

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009242.D
 Acq On : 22 Jan 2019 19:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Quant Time: Jan 23 02:01:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	81270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	134518	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	126762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	64709	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	5.07	65	51318	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	4.64	113	44382	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	7.36	98	173689	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	10.12	95	66085	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.14	85	30276	46.056	ug/l	97
3) Chloromethane	1.25	50	39765	44.939	ug/l	98
4) Vinyl Chloride	1.32	62	46764	46.514	ug/l	100
5) Bromomethane	1.53	94	25818	45.281	ug/l	99
6) Chloroethane	1.59	64	25011	44.509	ug/l	94
7) Trichlorofluoromethane	1.76	101	27595	39.110	ug/l	98
8) Diethyl Ether	1.96	74	22942	51.699	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.13	101	41935	47.832	ug/l	99
10) Methyl Iodide	2.25	142	65979	47.151	ug/l	98
11) Tert butyl alcohol	2.66	59	18328	312.273	ug/l	98
12) 1,1-Dichloroethene	2.14	96	40373	46.903	ug/l	98
13) Acrolein	2.05	56	14730	289.166	ug/l	95
14) Allyl chloride	2.42	41	67524	45.516	ug/l	98
15) Acrylonitrile	2.76	53	56516	294.015	ug/l	99
16) Acetone	2.17	43	65540	243.731	ug/l	98
17) Carbon Disulfide	2.31	76	122102	46.371	ug/l	100
18) Methyl Acetate	2.45	43	37198	51.792	ug/l	97
19) Methyl tert-butyl Ether	2.80	73	69054	51.681	ug/l	98
20) Methylene Chloride	2.52	84	46098	52.012	ug/l	99
21) trans-1,2-Dichloroethene	2.78	96	43218	46.601	ug/l	94
22) Diisopropyl ether	3.32	45	155952	49.367	ug/l	96
23) Vinyl Acetate	3.30	43	474662	276.923	ug/l	99
24) 1,1-Dichloroethane	3.22	63	92742	47.187	ug/l	99
25) 2-Butanone	4.01	43	87595	284.866	ug/l	99
26) 2,2-Dichloropropane	3.95	77	51066	46.168	ug/l	97
27) cis-1,2-Dichloroethene	3.95	96	54009	48.187	ug/l	97
28) Bromochloromethane	4.29	49	38004	52.399	ug/l	99
29) Tetrahydrofuran	4.38	42	51789	309.661	ug/l	98
30) Chloroform	4.42	83	92912	47.070	ug/l	99
31) Cyclohexane	4.72	56	82060	45.736	ug/l	98
32) 1,1,1-Trichloroethane	4.65	97	76965	46.261	ug/l	99
36) 1,1-Dichloropropene	4.87	75	70188	46.995	ug/l	99
37) Ethyl Acetate	4.12	43	37023	64.503	ug/l	98
38) Carbon Tetrachloride	4.87	117	70301	47.018	ug/l	99

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Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	88317	49.936	ug/l	98
40) Benzene	5.14	78	201986	48.355	ug/l	100
41) Methacrylonitrile	4.30	41	20281	58.628	ug/l	98
42) 1,2-Dichloroethane	5.17	62	66540	50.897	ug/l	97
43) Isopropyl Acetate	5.32	43	68336	60.527	ug/l	99
44) Trichloroethene	5.96	130	52434	47.702	ug/l	96
45) 1,2-Dichloropropane	6.22	63	50364	50.125	ug/l	100
46) Dibromomethane	6.35	93	28697	55.660	ug/l	99
47) Bromodichloromethane	6.55	83	69501	51.014	ug/l	97
48) Methyl methacrylate	6.41	41	34618	60.089	ug/l	100
49) 1,4-Dioxane	6.41	88	8631	1314.198	ug/l	99
51) 4-Methyl-2-Pentanone	7.27	43	178297	311.178	ug/l	100
52) Toluene	7.43	92	128585	48.663	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	70671	53.296	ug/l	97
54) cis-1,3-Dichloropropene	7.07	75	79302	51.938	ug/l	98
55) 1,1,2-Trichloroethane	7.88	97	40134	55.249	ug/l	98
56) Ethyl methacrylate	7.83	69	50284	59.414	ug/l	99
57) 1,3-Dichloropropane	8.05	76	71728	54.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.93	63	3095	234.012	ug/l	91
59) 2-Hexanone	8.18	43	127370	307.343	ug/l	100
60) Dibromochloromethane	8.29	129	45977	54.056	ug/l	99
61) 1,2-Dibromoethane	8.40	107	39886	56.147	ug/l	100
64) Tetrachloroethene	8.02	164	44799	49.663	ug/l	98
65) Chlorobenzene	8.92	112	141283	47.908	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	49481	49.094	ug/l	97
67) Ethyl Benzene	9.05	91	252246	48.012	ug/l	99
68) m/p-Xylenes	9.18	106	190845	95.684	ug/l	99
69) o-Xylene	9.59	106	89828	48.577	ug/l	100
70) Styrene	9.60	104	150334	50.940	ug/l	98
71) Bromoform	9.77	173	27096	57.011	ug/l #	99
73) Isopropylbenzene	9.97	105	254719	47.669	ug/l	100
74) N-amyl acetate	9.84	43	57842	58.538	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	51403	57.061	ug/l	97
76) 1,2,3-Trichloropropane	10.32	75	39213m	55.350	ug/l	
77) Bromobenzene	10.26	156	56208	49.179	ug/l	98
78) n-propylbenzene	10.40	91	297830	47.016	ug/l	99
79) 2-Chlorotoluene	10.47	91	179115	46.862	ug/l	99
80) 1,3,5-Trimethylbenzene	10.58	105	213595	47.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	15037	60.065	ug/l	98
82) 4-Chlorotoluene	10.58	91	214469	47.640	ug/l	100
83) tert-Butylbenzene	10.91	119	202543	47.466	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	217377	48.085	ug/l	100
85) sec-Butylbenzene	11.13	105	268278	48.001	ug/l	99
86) p-Isopropyltoluene	11.29	119	237230	48.477	ug/l	99
87) 1,3-Dichlorobenzene	11.22	146	114411	48.211	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	115439	48.118	ug/l	98
89) n-Butylbenzene	11.70	91	228648	48.136	ug/l	99
90) Hexachloroethane	11.95	117	41669	47.883	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	103709	49.506	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	9097	60.151	ug/l	95

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Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

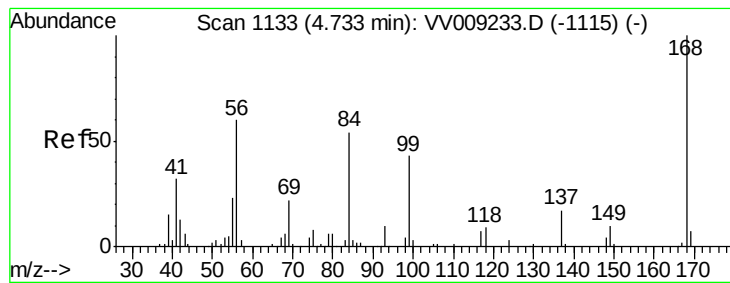
Quant Time: Jan 23 02:01:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 23 01:31:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	68609	50.876	ug/l	100
94) Hexachlorobutadiene	13.49	225	39746	47.555	ug/l	99
95) Naphthalene	13.55	128	134682	57.760	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	60418	52.908	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 81270

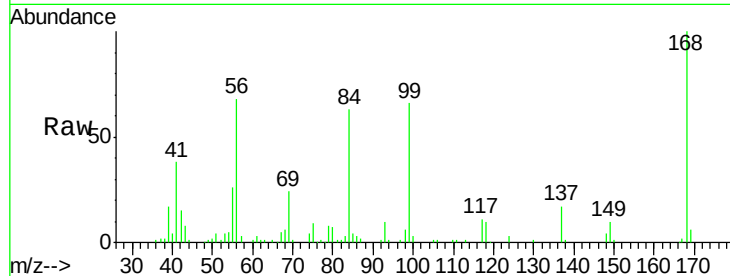
Ion Ratio Lower Upper

168 100

99 64.9 50.9 76.3

Manual Integrations

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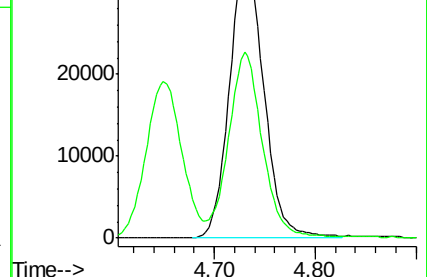
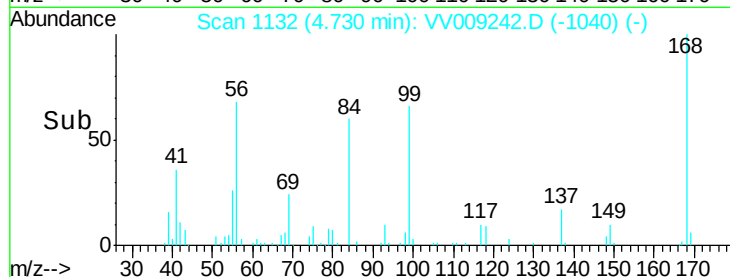


Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

Ion 98.90 (98.60 to 99.60): VV009233.D (-1115) (-)

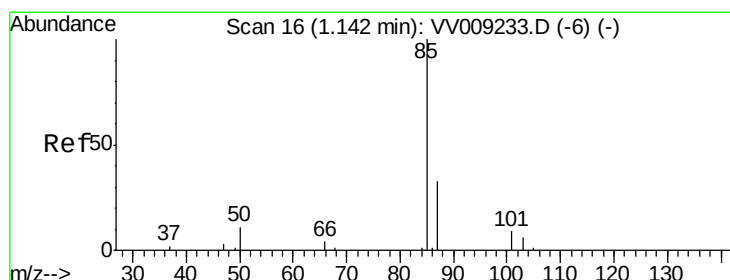
4.73

Time-->



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#2

Dichlorodifluoromethane

Concen: 46.056 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009242.D

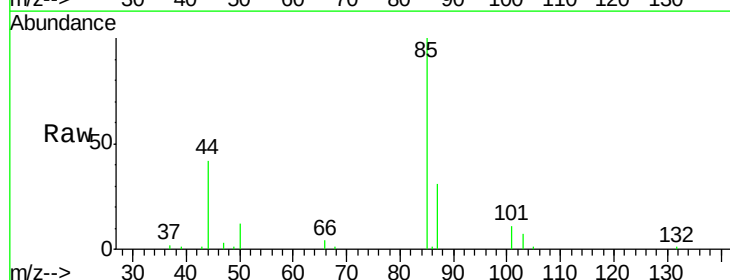
Acq: 22 Jan 2019 19:00

Tgt Ion: 85 Resp: 30276

Ion Ratio Lower Upper

85 100

87 31.2 16.6 49.7

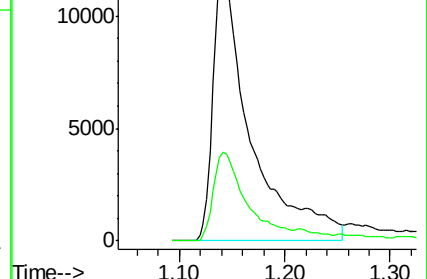
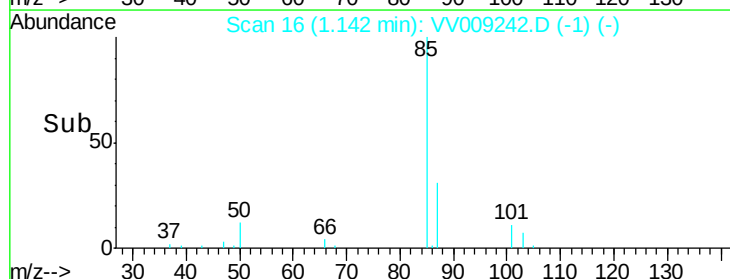


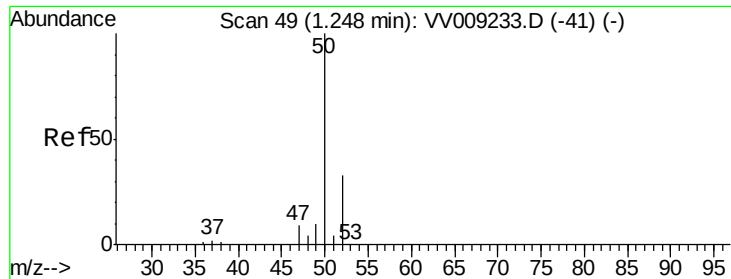
Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)

1.14

Time-->





#3

Chloromethane

Concen: 44.939 ug/l

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

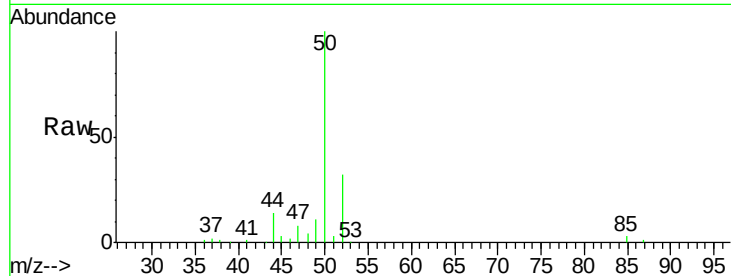
Tot Ion: 50 Resp: 39765

Ion Ratio Lower Upper

50 100

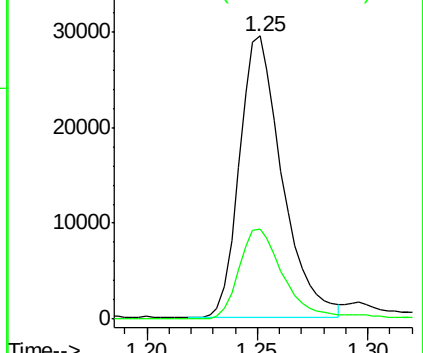
52 32.0 26.3 39.5

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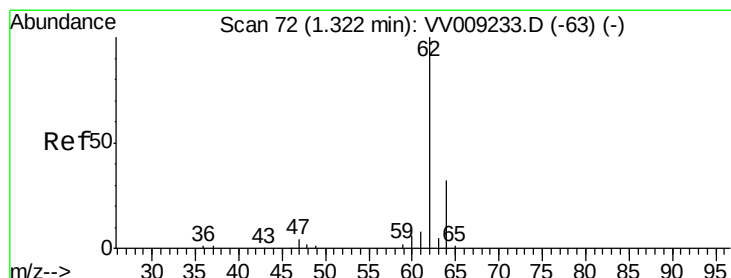
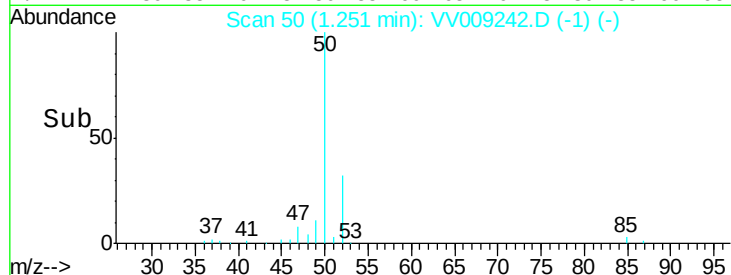
Abundance Ion 49.90 (49.60 to 50.60): VV009233.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VV009242.D (-1) (-)



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#4

Vinyl Chloride

Concen: 46.514 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009242.D

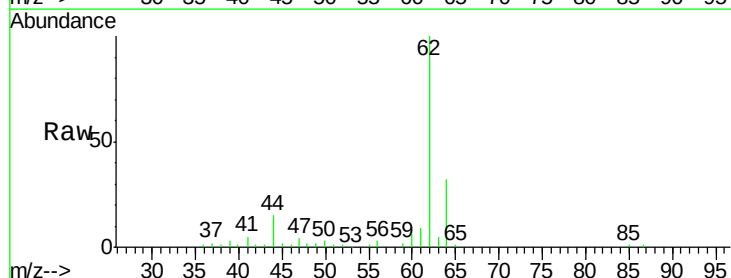
Acq: 22 Jan 2019 19:00

Tgt Ion: 62 Resp: 46764

Ion Ratio Lower Upper

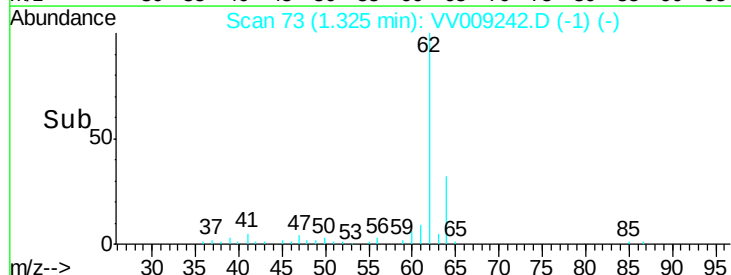
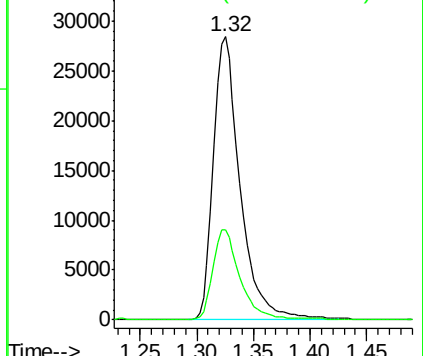
62 100

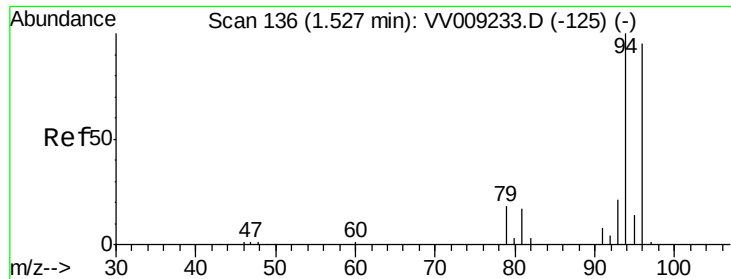
64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VV009233.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VV009242.D (-1) (-)





#5

Bromomethane

Concen: 45.281 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

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VSTDCCC050EC

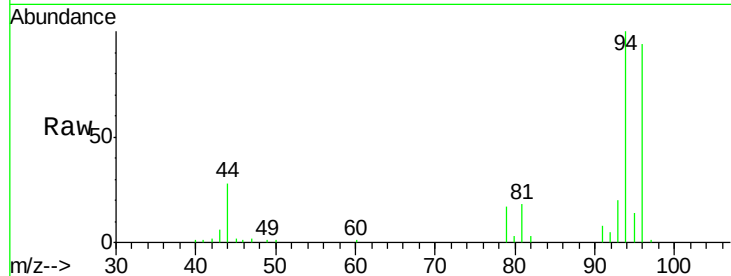
Tot Ion: 94 Resp: 25818

Ion Ratio Lower Upper

94 100

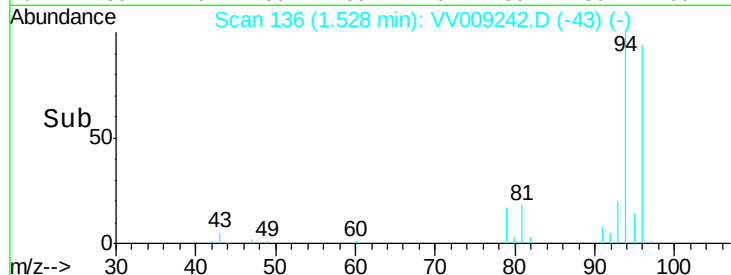
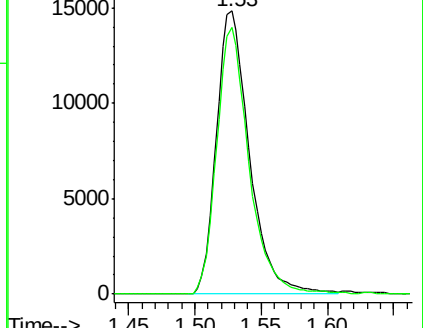
96 94.0 76.3 114.5

Manual Integrations
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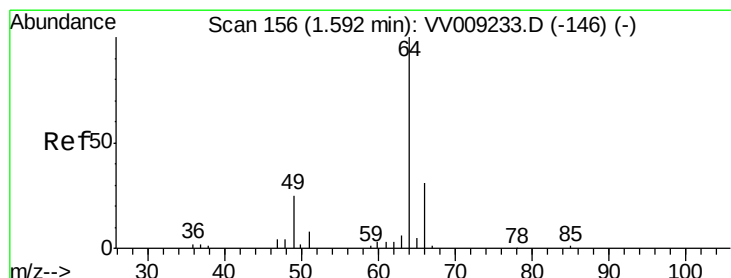
Abundance Ion 93.90 (93.60 to 94.60): VV009233.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VV009233.D (-125) (-)



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#6

Chloroethane

Concen: 44.509 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009242.D

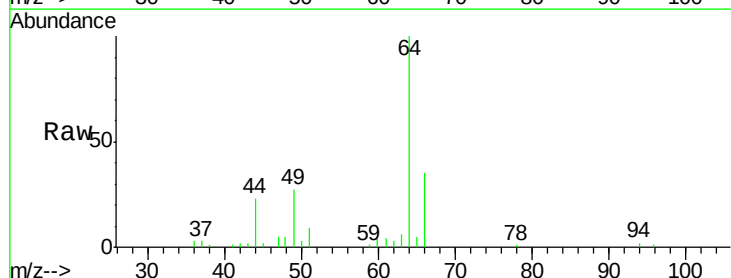
Acq: 22 Jan 2019 19:00

Tgt Ion: 64 Resp: 25011

Ion Ratio Lower Upper

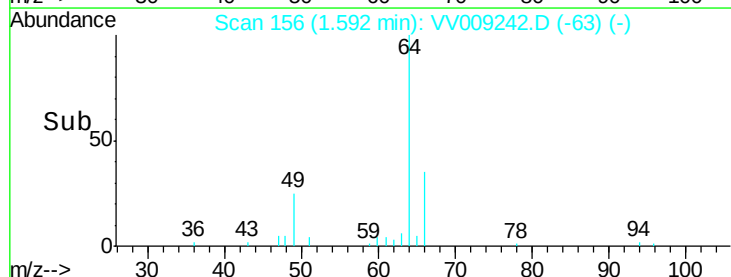
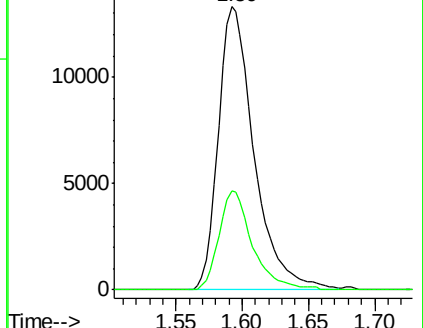
64 100

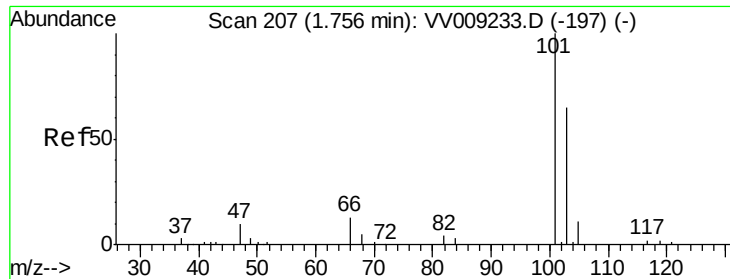
66 34.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV009233.D (-146) (-)

Ion 65.90 (65.60 to 66.60): VV009233.D (-146) (-)





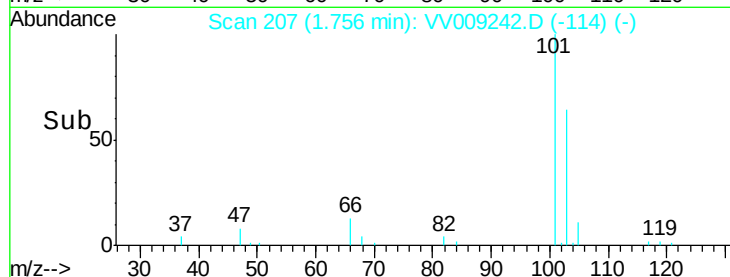
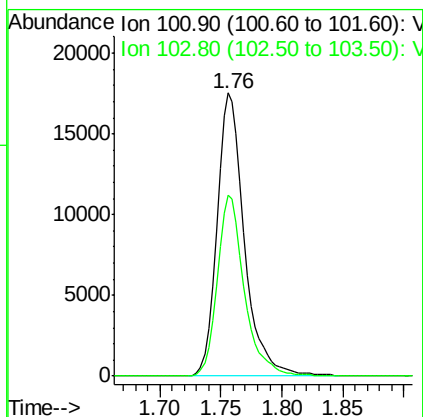
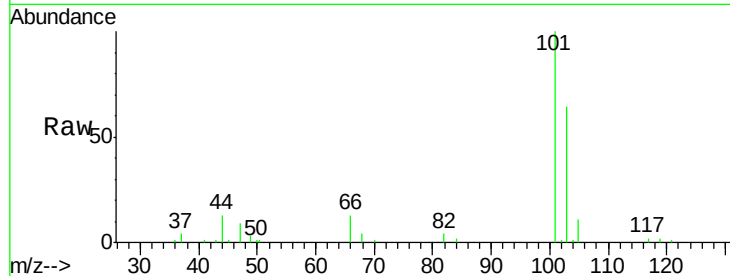
#7

Trichlorofluoromethane
Concen: 39.110 ug/l
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

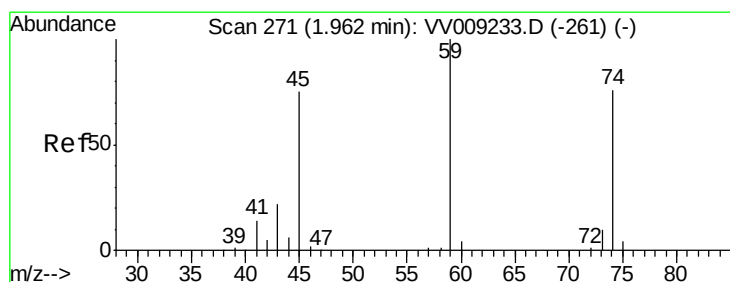
Tot Ion	101	Resp	27595
Ion Ratio	100	Lower	Upper
101	100		
103	63.8	52.2	78.4

Manual Integrations
APPROVED



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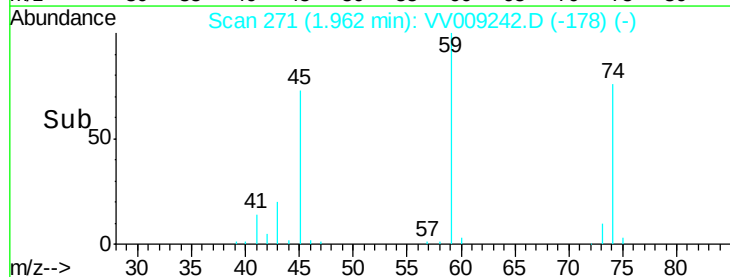
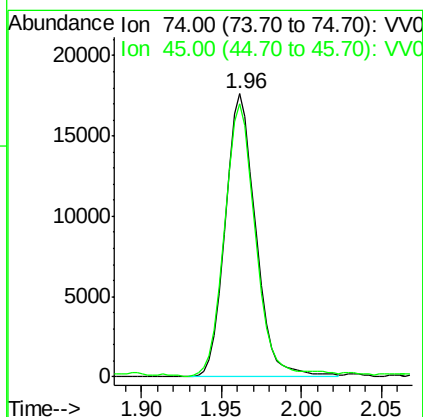
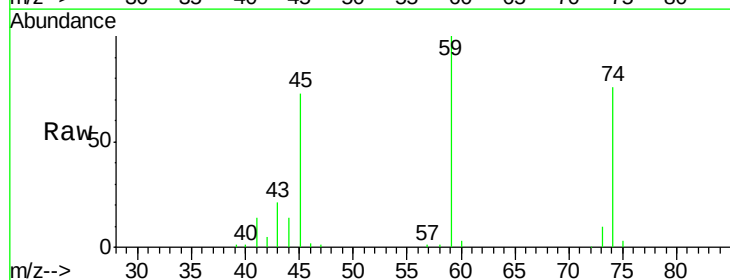
1/24/2019 11:44:59 AM

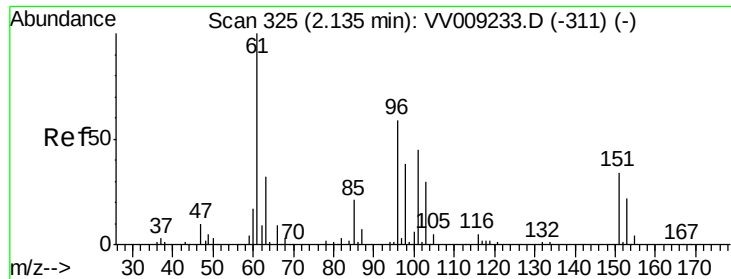


#8

Diethyl Ether
Concen: 51.699 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	74	Resp	22942
Ion Ratio	100	Lower	Upper
74	100		
45	99.1	49.1	147.3



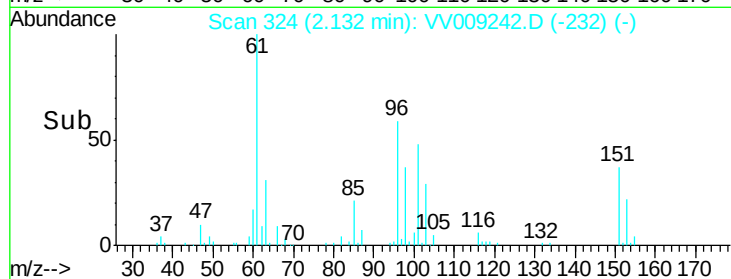
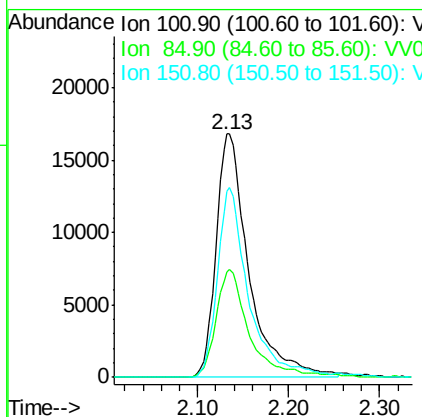
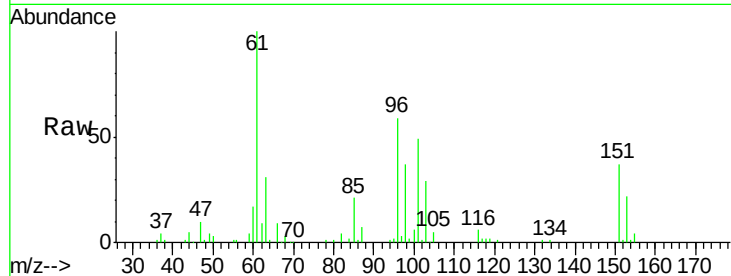


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.832 ug/l
 RT: 2.13 min Scan# 324
 Delta R.T. -0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

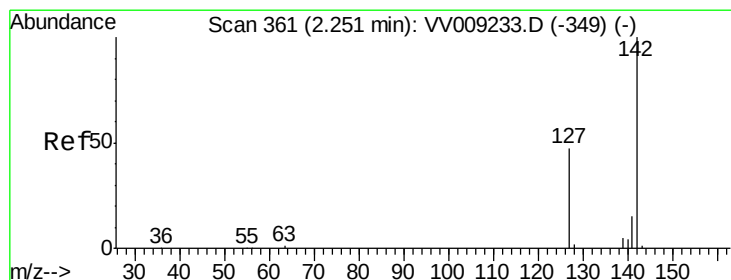
Tot Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.3	52.9
151	74.2	60.1	90.1

Manual Integrations
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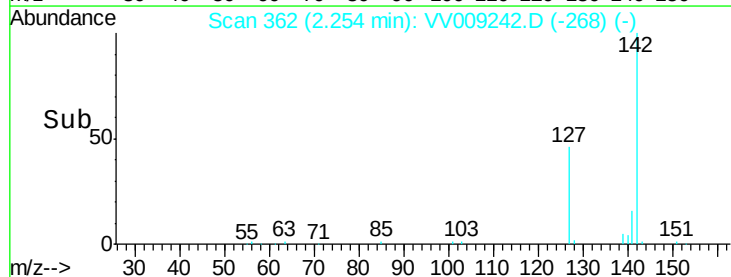
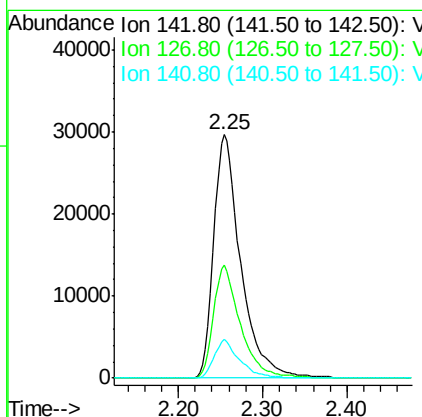
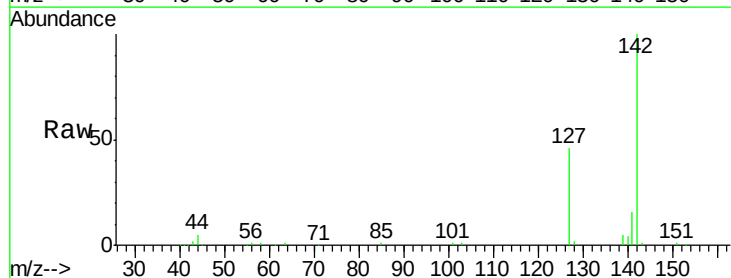
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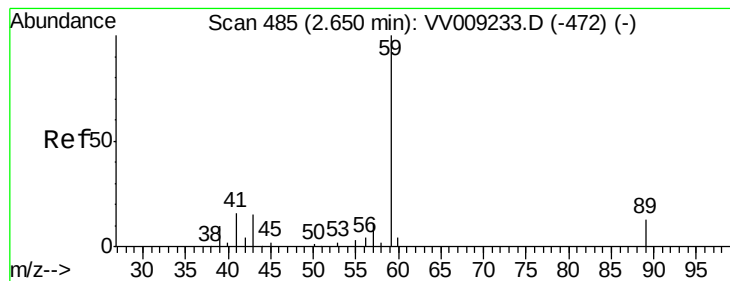
1/24/2019 11:44:59 AM



#10
 Methyl Iodide
 Concen: 47.151 ug/l
 RT: 2.25 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.9	37.9	56.9
141	14.8	11.7	17.5





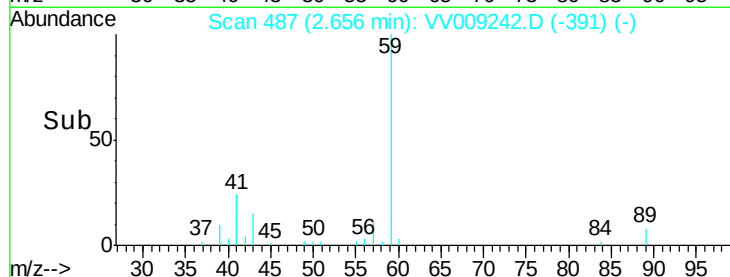
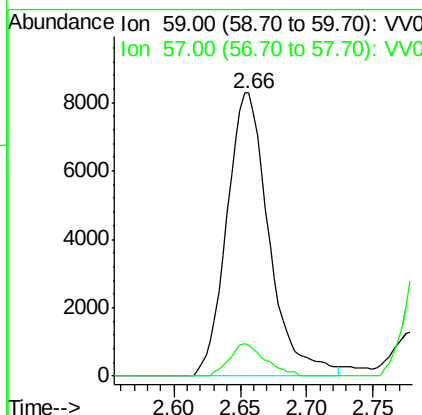
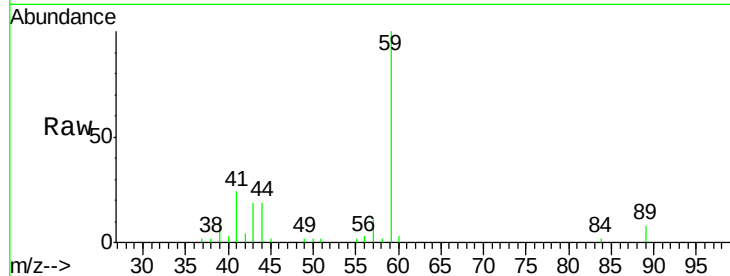
#11

Tert butyl alcohol
 Concen: 312.273 ug/l
 RT: 2.66 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

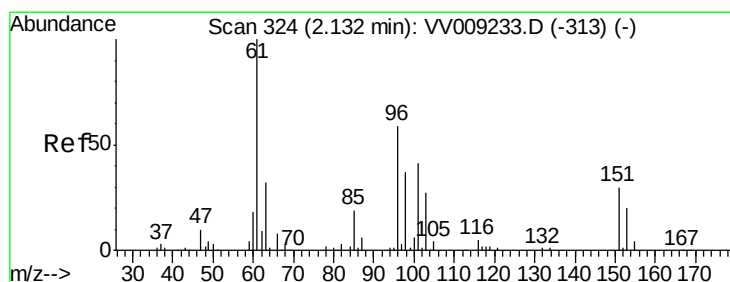
Tot Ion	59	57	Ratio	100	9.8	Resp	18328	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	9.8	Resp	18328	Lower	8.4	Upper	12.6

Manual Integrations
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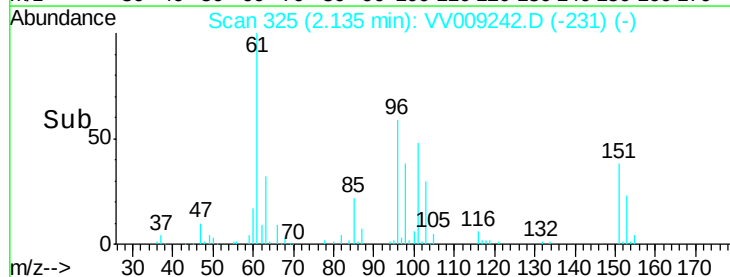
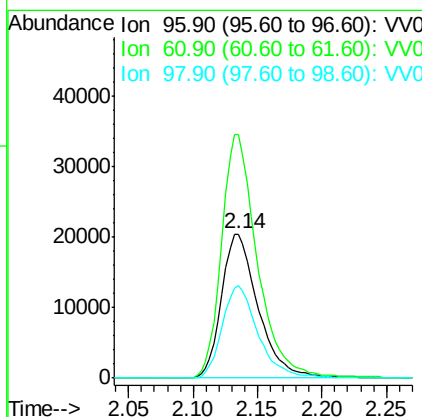
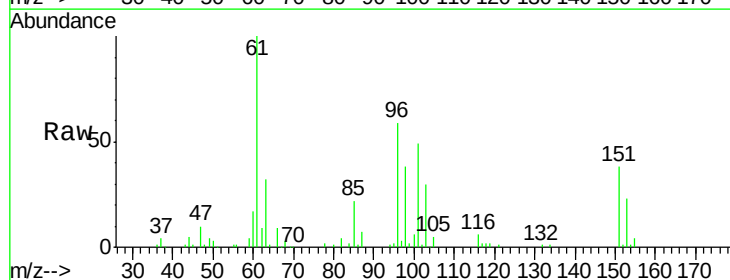
1/24/2019 11:44:59 AM

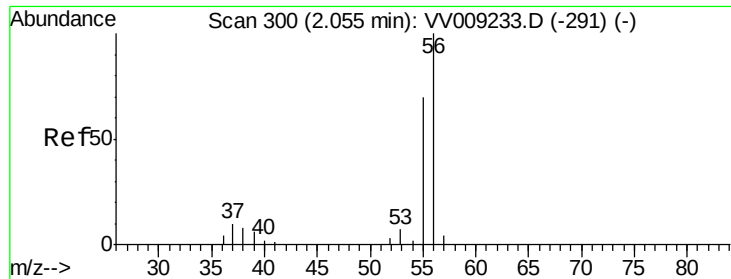


#12

1,1-Dichloroethene
 Concen: 46.903 ug/l
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Tgt Ion	96	61	98	Ratio	100	168.6	64.3	Resp	40373	Lower	136.6	50.6	Upper	205.0	75.8
Ion	96	61	98	Ratio	100	168.6	64.3	Resp	40373	Lower	136.6	50.6	Upper	205.0	75.8



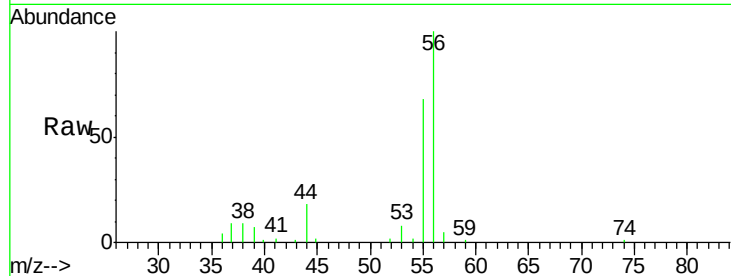


#13
Acrolein
Concen: 289.166 ug/l
RT: 2.05 min Scan# 300
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

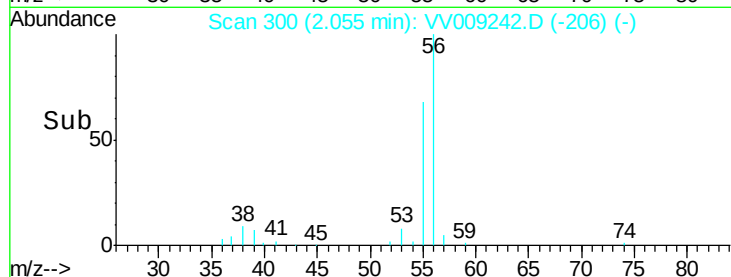
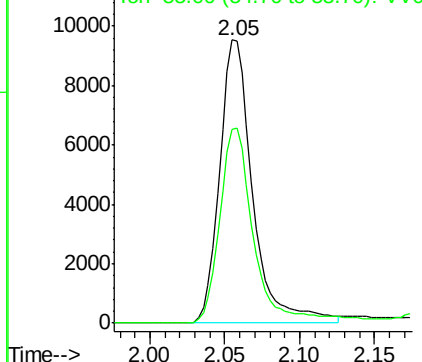
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 14730
Ion Ratio Lower Upper
56 100
55 71.7 54.0 81.0

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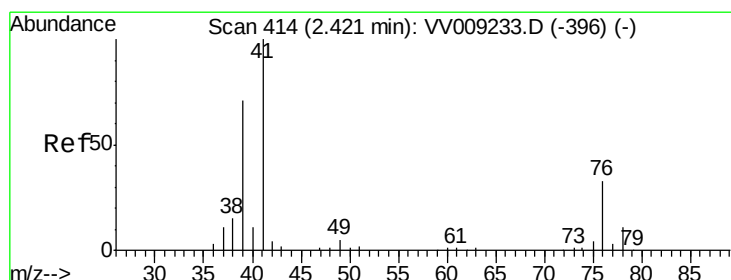


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 55.00 (54.70 to 55.70): VV0



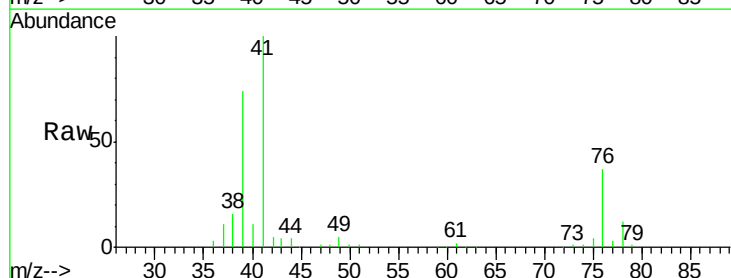
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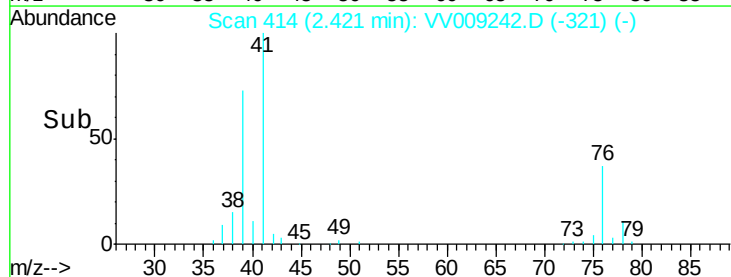
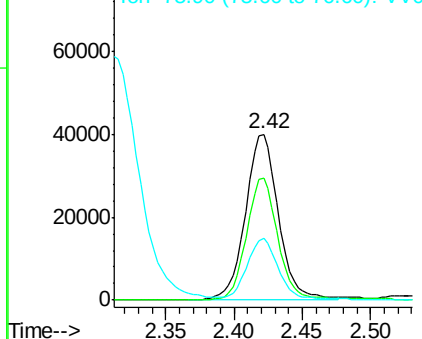


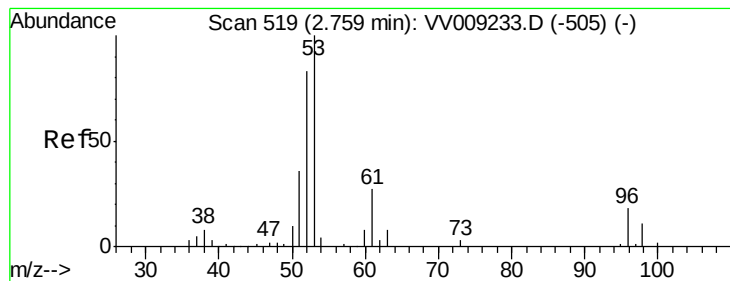
#14
Allyl chloride
Concen: 45.516 ug/l
RT: 2.42 min Scan# 414
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion: 41 Resp: 67524
Ion Ratio Lower Upper
41 100
39 70.3 55.1 82.7
76 35.4 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VV0
Ion 39.00 (38.70 to 39.70): VV0
Ion 75.90 (75.60 to 76.60): VV0





#15

Acrylonitrile

Concen: 294.015 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

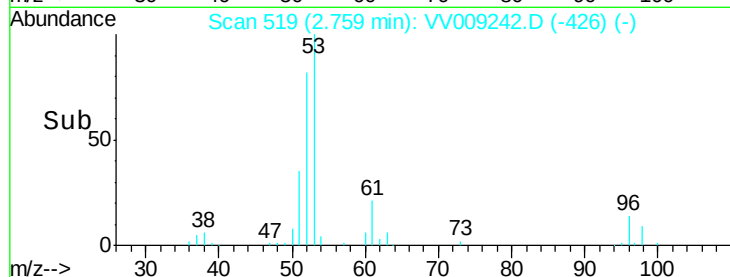
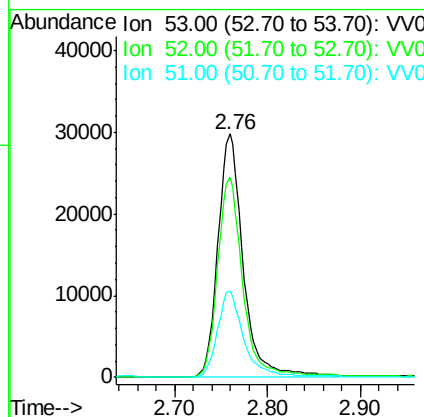
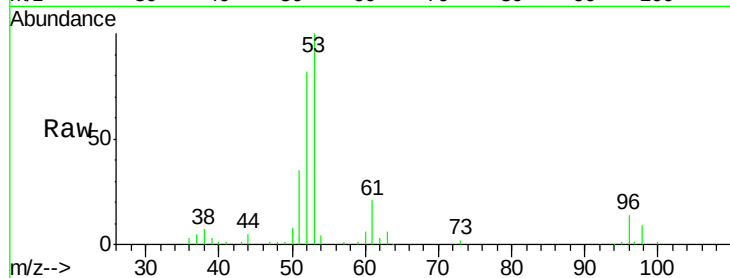
MSVOA_V

ClientSampleId :

VSTDCCC050EC

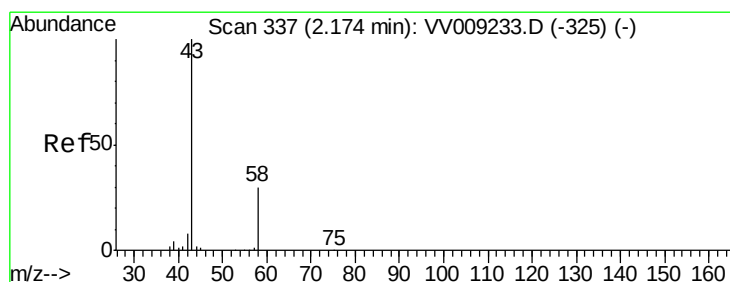
Tot Ion:	53	Resp:	56516
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.3	97.9
51	37.8	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 243.731 ug/l

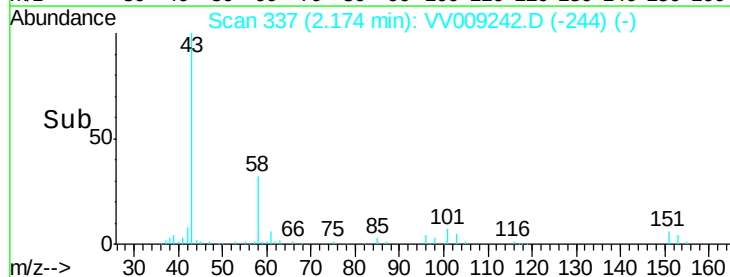
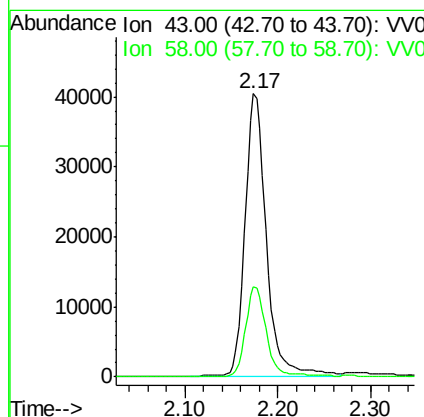
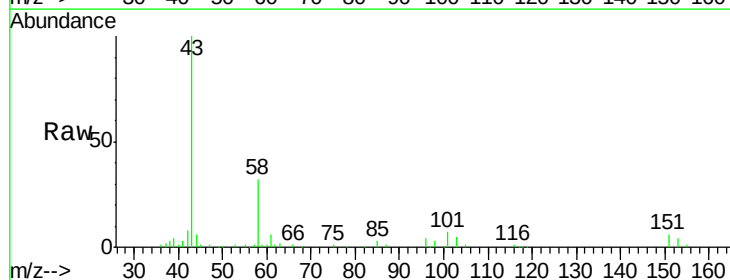
RT: 2.17 min Scan# 337

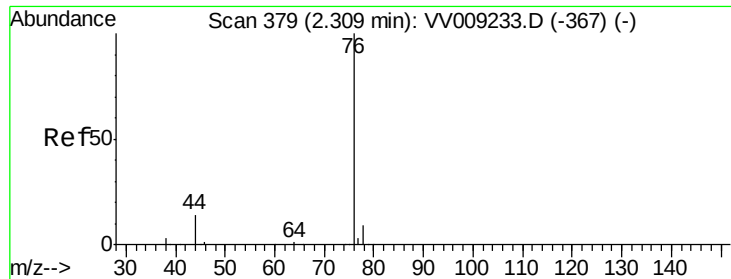
Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Tgt Ion:	43	Resp:	65540
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.4	36.6



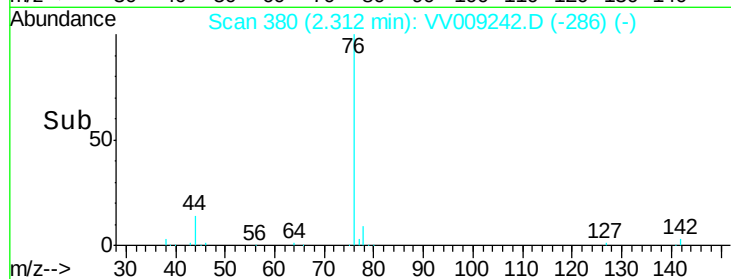
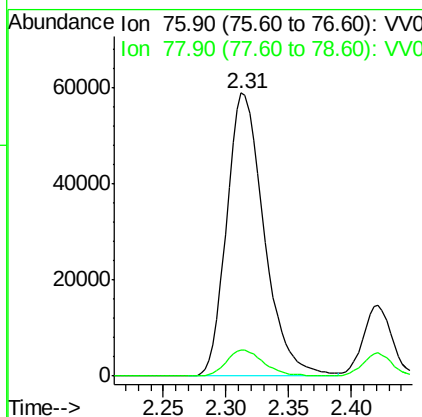
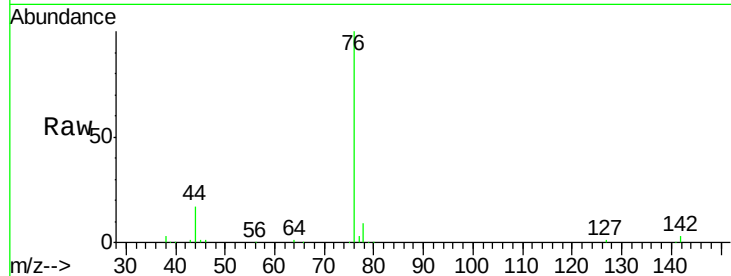


#17
Carbon Disulfide
Concen: 46.371 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

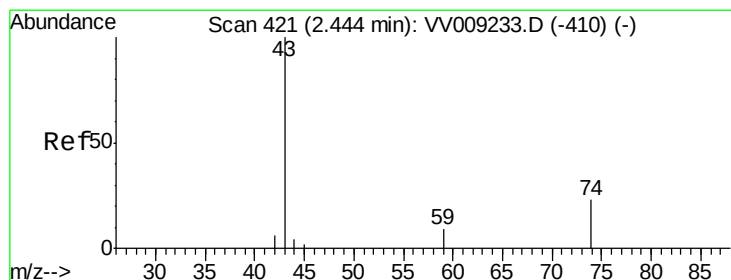
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

Manual Integrations
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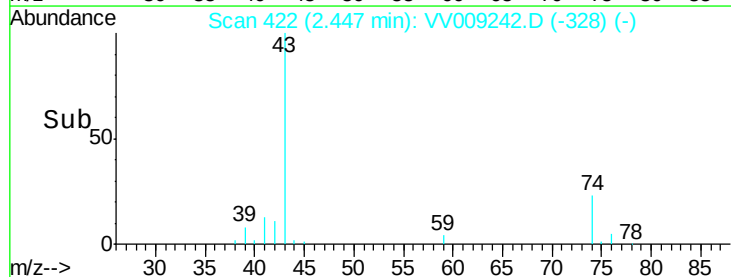
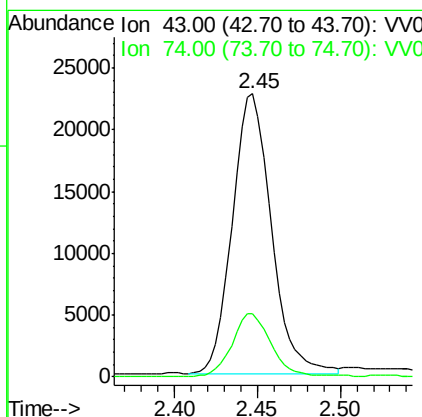
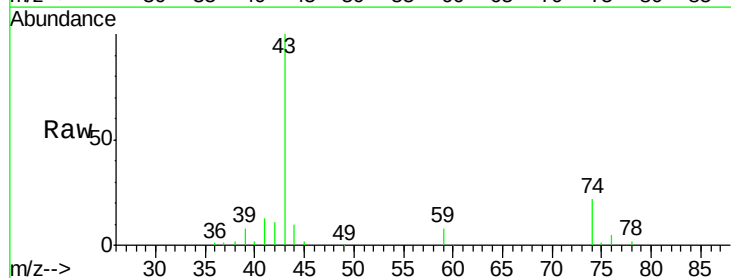
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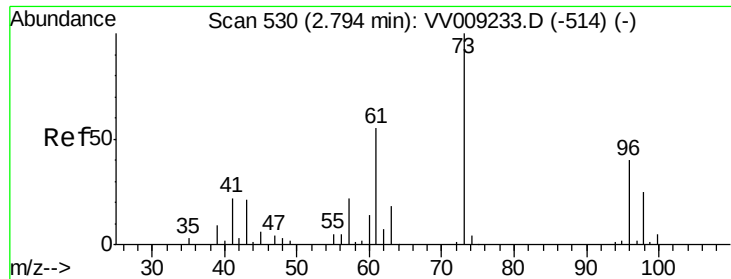
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#18
Methyl Acetate
Concen: 51.792 ug/l
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.7	29.5



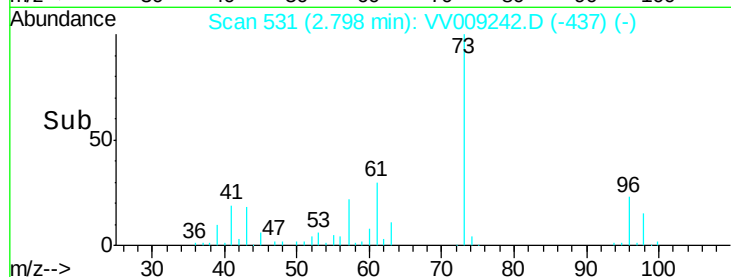
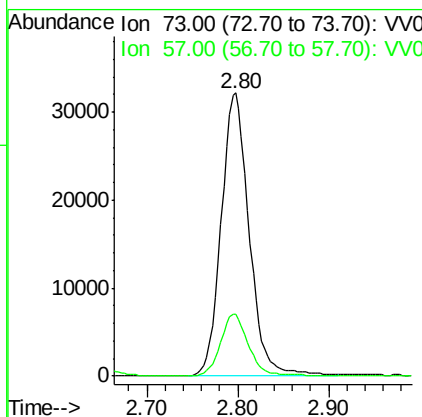
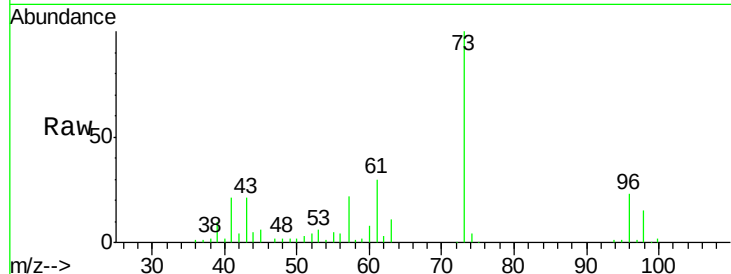


#19
Methyl tert-butyl Ether
Concen: 51.681 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

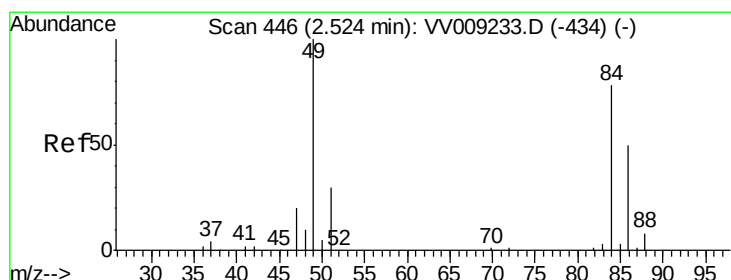
Tot Ion: 73 Resp: 69054
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0

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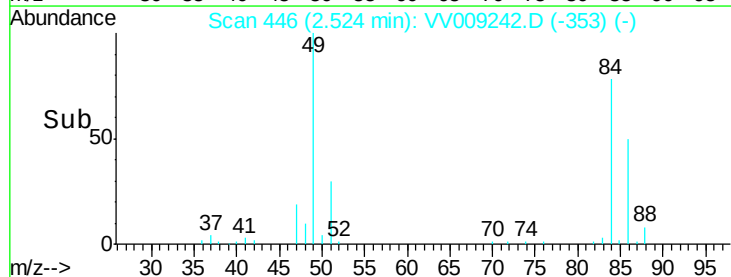
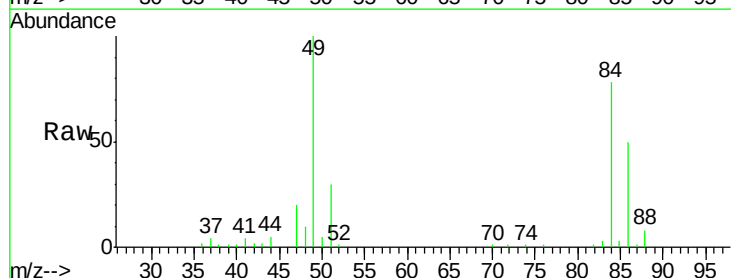
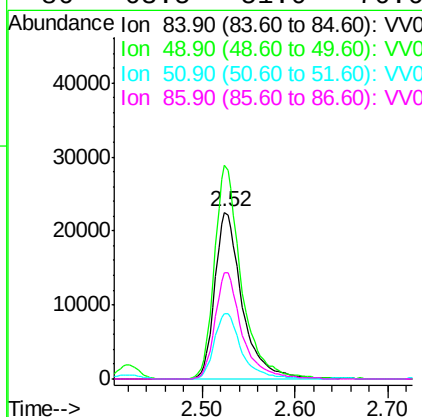
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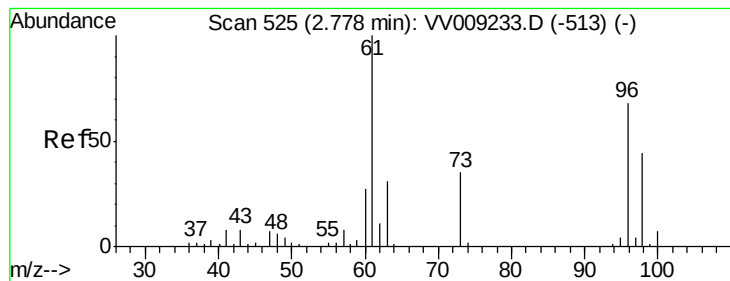
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#20
Methylene Chloride
Concen: 52.012 ug/l
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion: 84 Resp: 46098
Ion Ratio Lower Upper
84 100
49 128.1 102.0 153.0
51 39.0 30.9 46.3
86 63.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.601 ug/l

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 43218

Ion Ratio Lower Upper

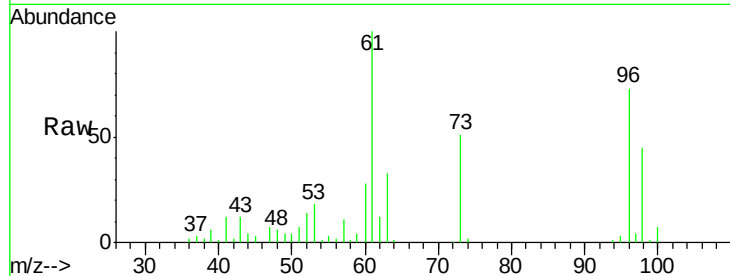
96 100

61 137.1 117.7 176.5

98 62.0 51.5 77.3

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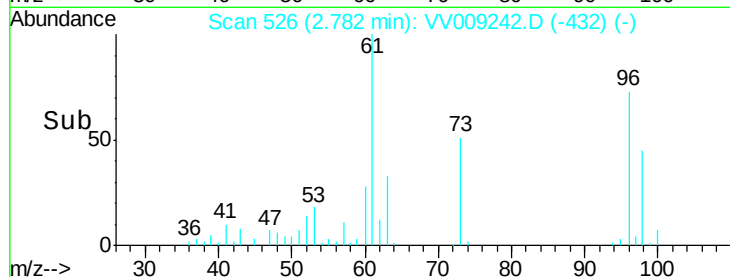
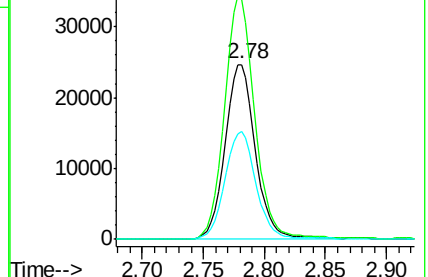
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Abundance Ion 95.90 (95.60 to 96.60): VV009233.D (-513) (-)

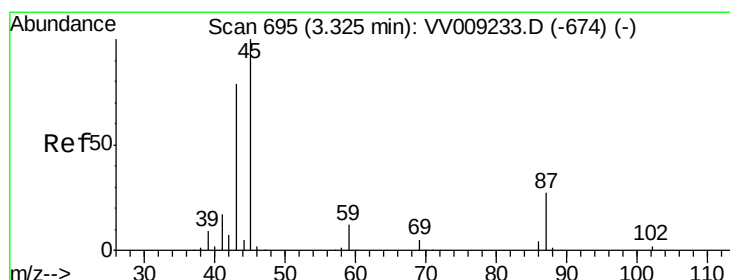
Ion 60.90 (60.60 to 61.60): VV009233.D (-513) (-)

Ion 97.90 (97.60 to 98.60): VV009233.D (-513) (-)



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#22

Diisopropyl ether

Concen: 49.367 ug/l

RT: 3.32 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Tgt Ion: 45 Resp: 155952

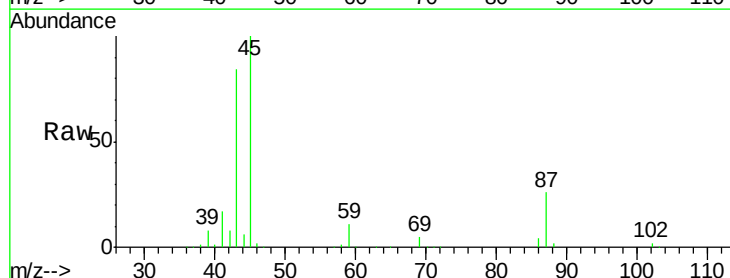
Ion Ratio Lower Upper

45 100

43 82.6 63.0 94.4

87 25.6 21.5 32.3

59 11.3 9.3 13.9

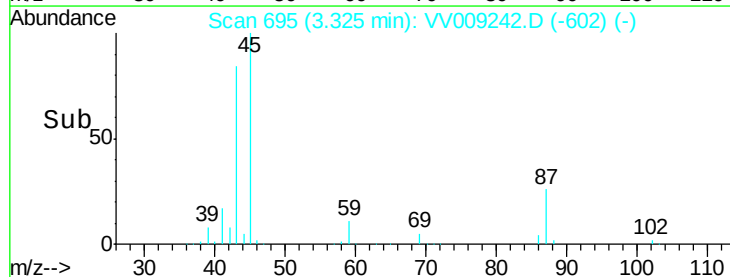
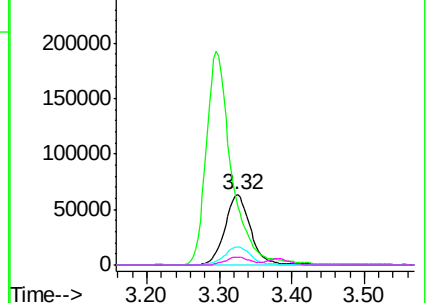


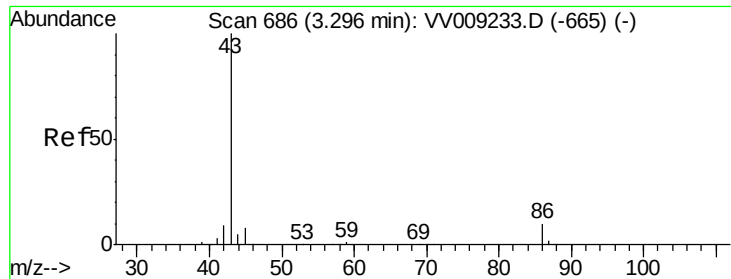
Abundance Ion 45.00 (44.70 to 45.70): VV009233.D (-674) (-)

Ion 43.00 (42.70 to 43.70): VV009233.D (-674) (-)

Ion 87.00 (86.70 to 87.70): VV009233.D (-674) (-)

Ion 59.00 (58.70 to 59.70): VV009233.D (-674) (-)





#23

Vinyl Acetate

Concen: 276.923 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 474662

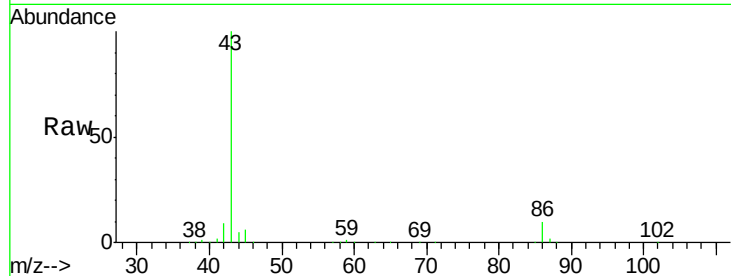
Ion Ratio Lower Upper

43 100

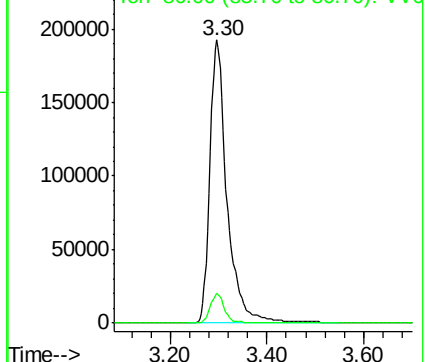
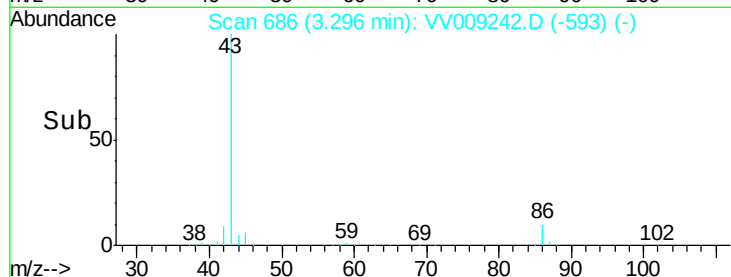
86 10.4 8.1 12.1

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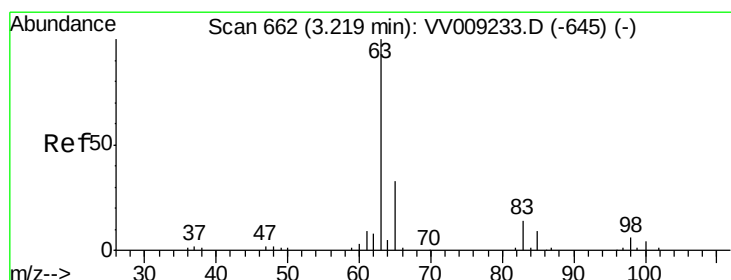


Abundance Ion 43.00 (42.70 to 43.70): VV009242.D (-593) (-)



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#24

1,1-Dichloroethane

Concen: 47.187 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

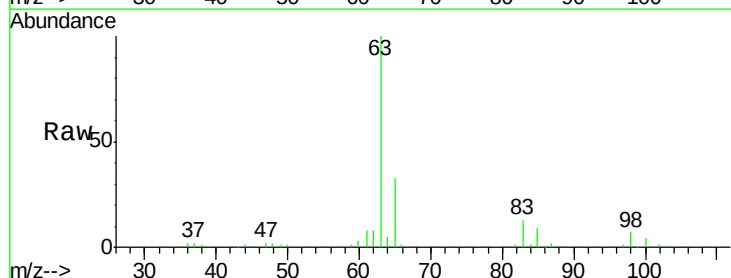
Tgt Ion: 63 Resp: 92742

Ion Ratio Lower Upper

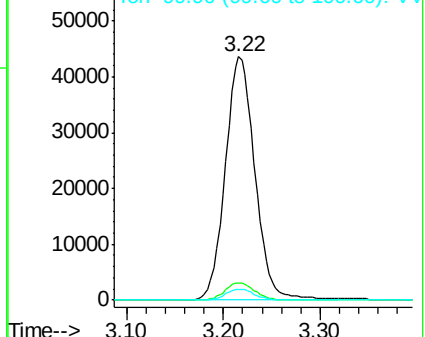
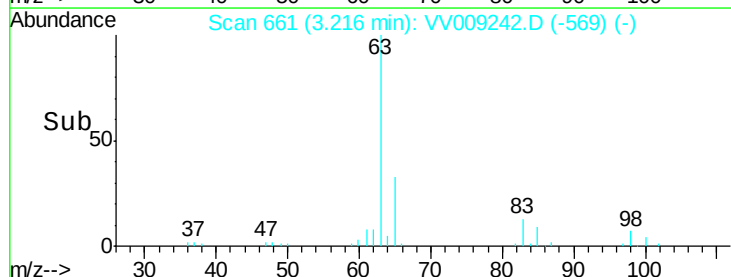
63 100

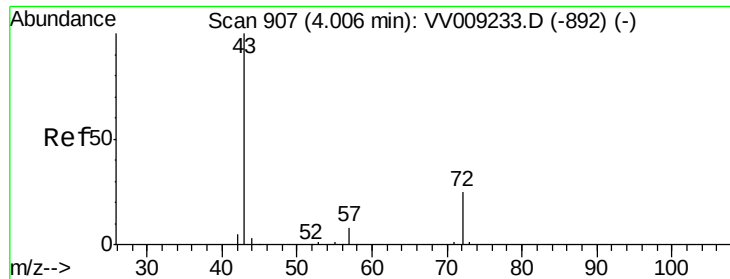
98 7.3 3.3 9.8

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VV009242.D (-569) (-)





#25

2-Butanone

Concen: 284.866 ug/l

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 87595

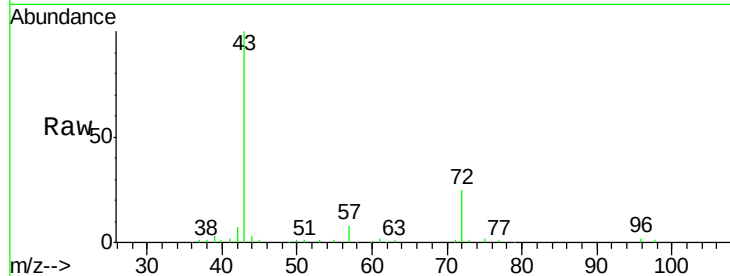
Ion Ratio Lower Upper

43 100

72 24.6 20.2 30.4

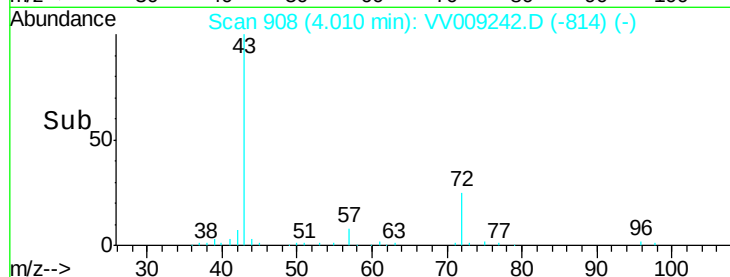
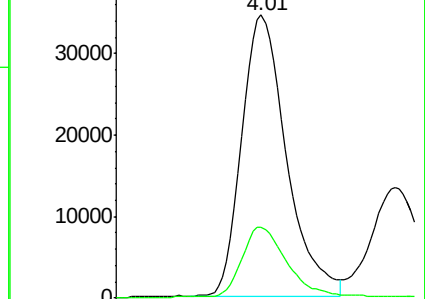
Manual Integrations

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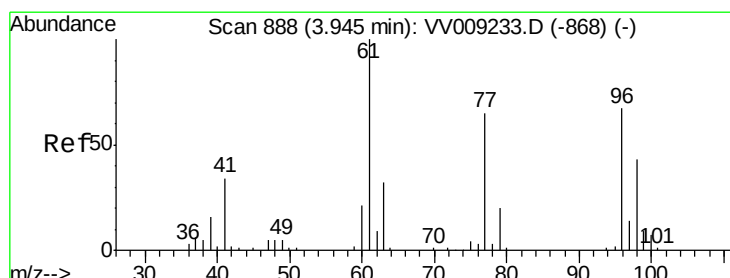
Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV009233.D (-892) (-)



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#26

2,2-Dichloropropane

Concen: 46.168 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009242.D

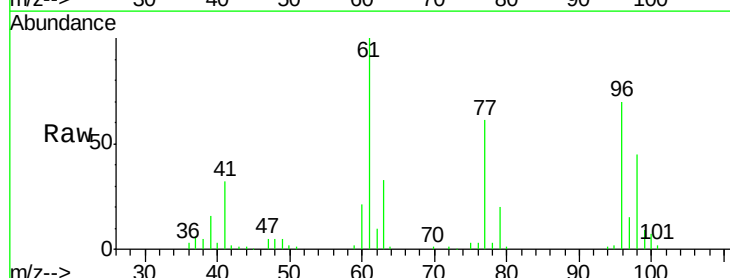
Acq: 22 Jan 2019 19:00

Tgt Ion: 77 Resp: 51066

Ion Ratio Lower Upper

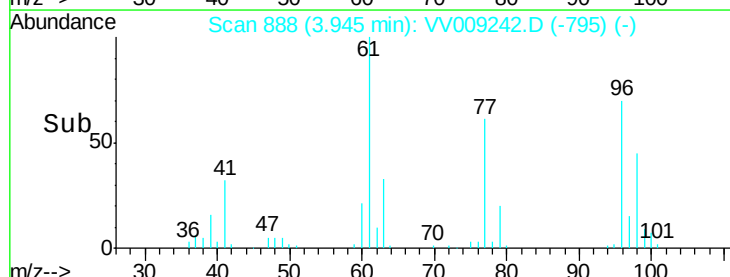
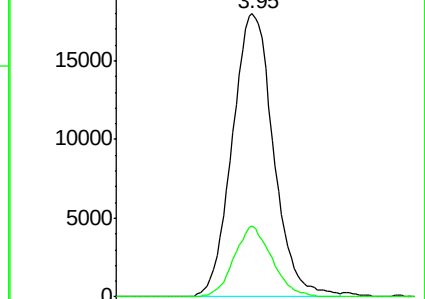
77 100

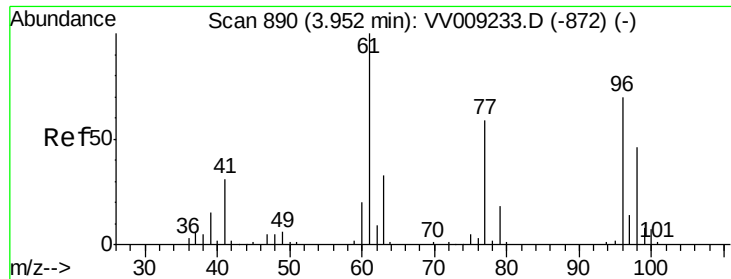
97 23.0 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV009233.D (-868) (-)

Ion 96.90 (96.60 to 97.60): VV009233.D (-868) (-)





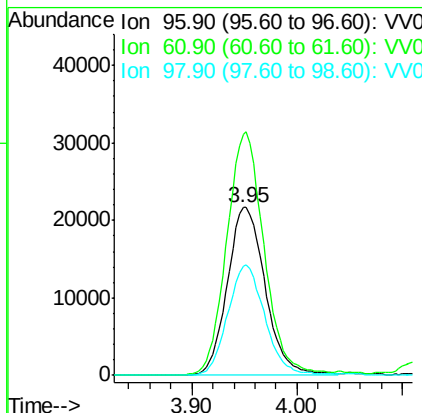
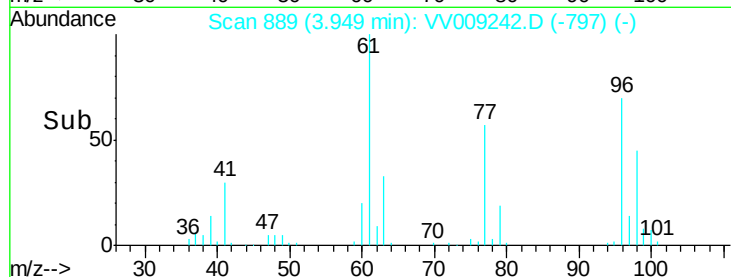
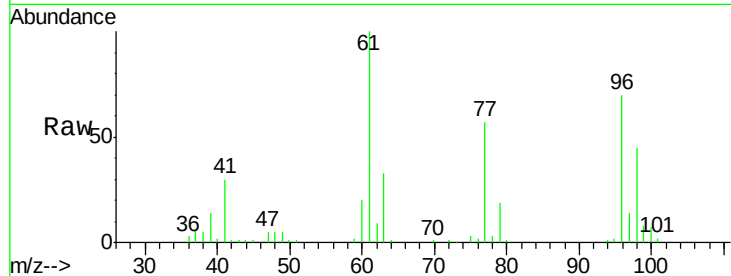
#27

cis-1,2-Dichloroethene
Concen: 48.187 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

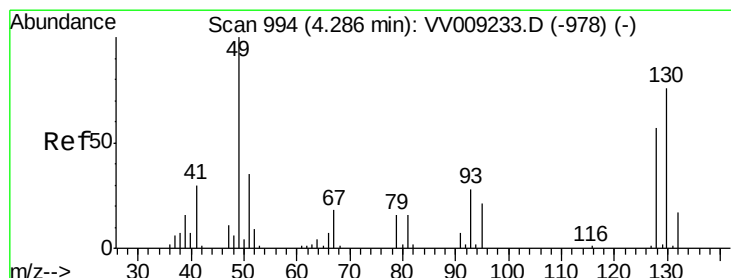
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	296.4
98	64.1	0.0	130.0

Manual Integrations
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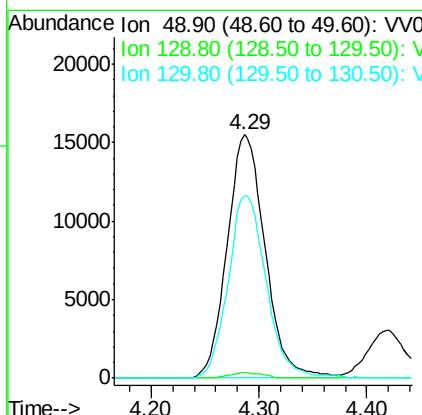
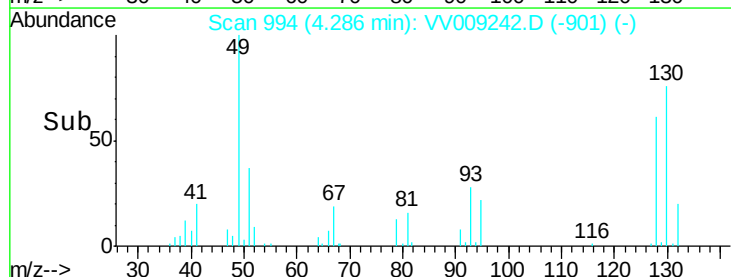
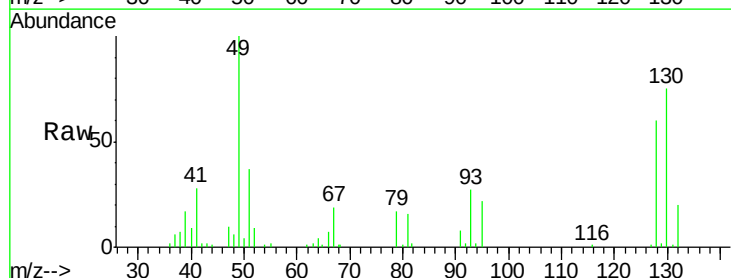
1/24/2019 11:44:59 AM

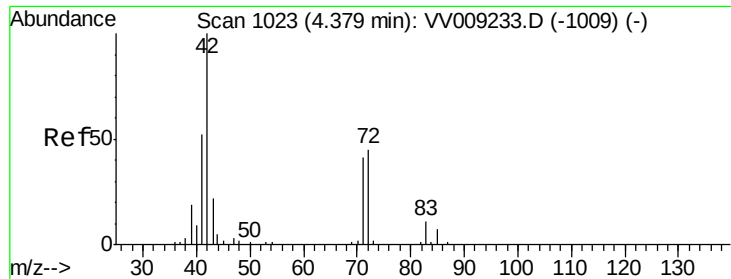


#28

Bromochloromethane
Concen: 52.399 ug/l
RT: 4.29 min Scan# 994
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	74.9	60.2	90.4



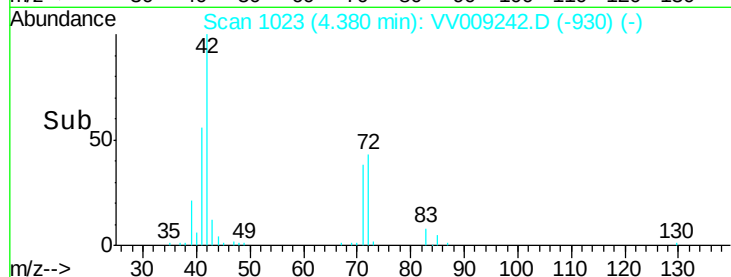
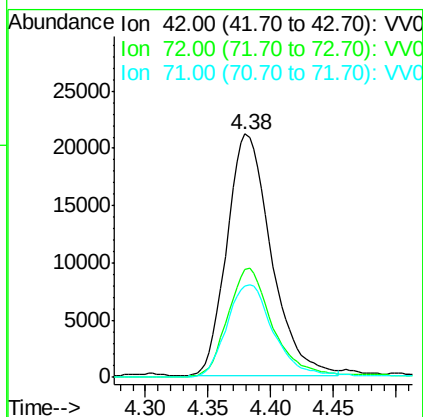
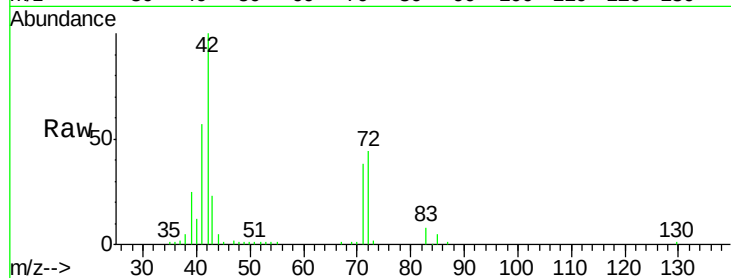


#29
Tetrahydrofuran
Concen: 309.661 ug/l
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

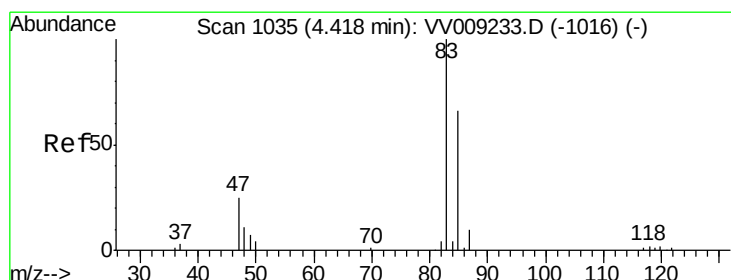
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.7	56.5
71	41.2	31.5	47.3

Manual Integrations
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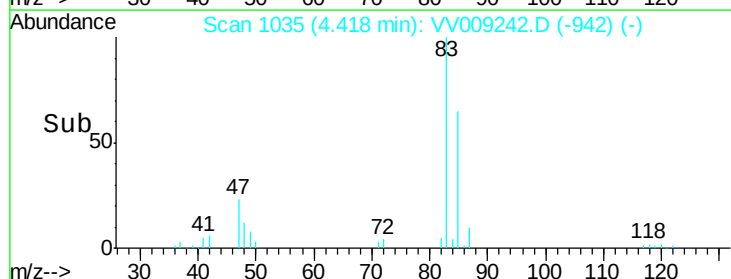
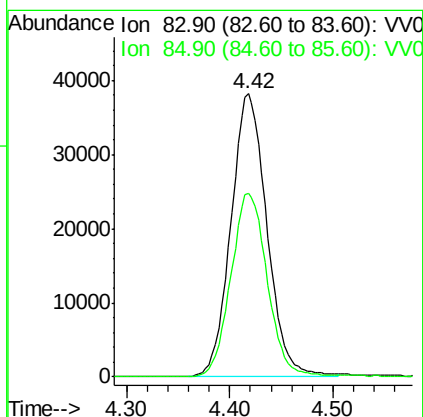
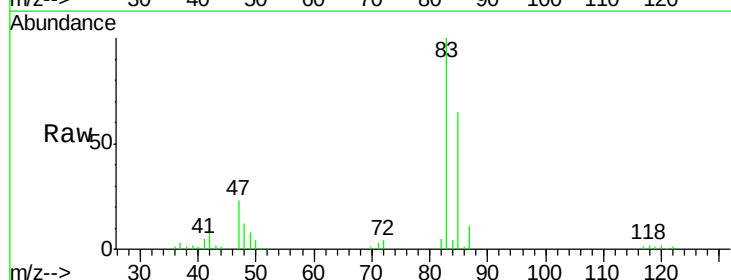
MMDadoda

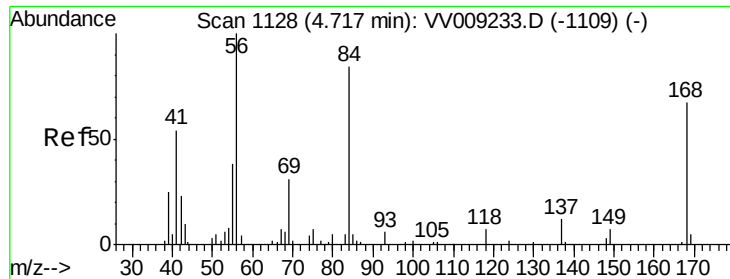
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#30
Chloroform
Concen: 47.070 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	79.0



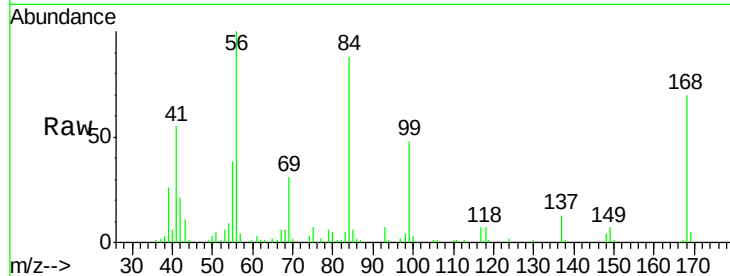


#31
Cyclohexane
Concen: 45.736 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.1	37.7
84	86.6	67.3	100.9

Manual Integrations
APPROVED

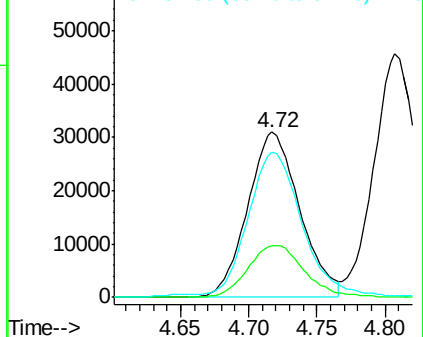


Abundance

Ion 56.00 (55.70 to 56.70): VV0

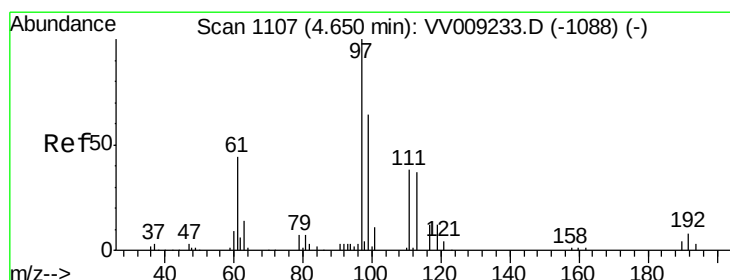
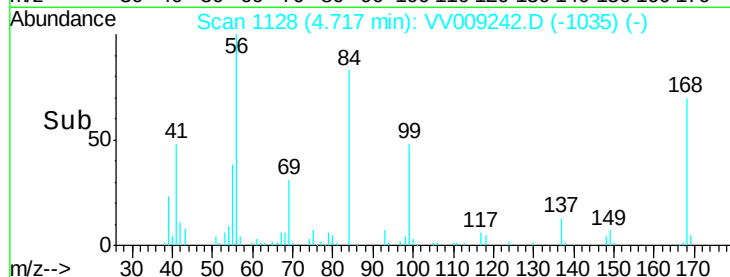
Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



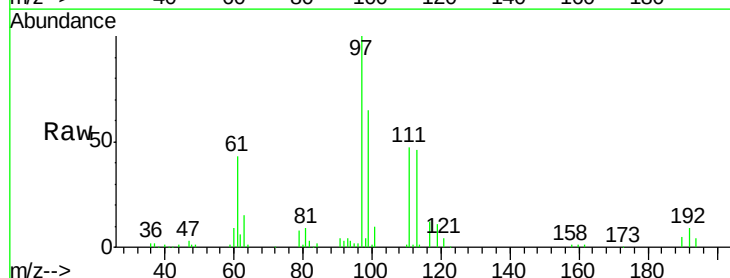
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#32
1,1,1-Trichloroethane
Concen: 46.261 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	50.2	75.2
61	43.0	34.7	52.1

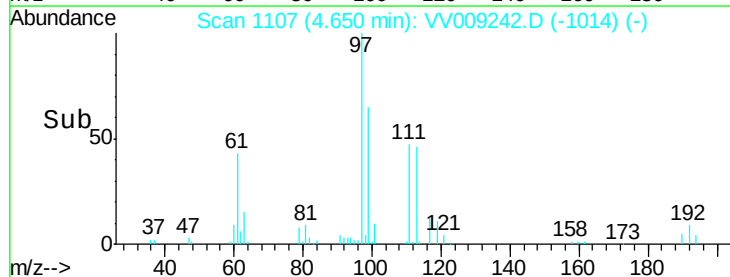
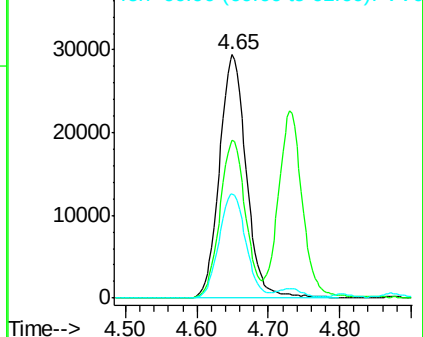


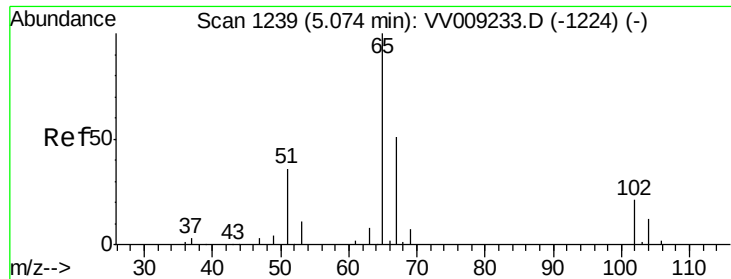
Abundance

Ion 96.90 (96.60 to 97.60): VV0

Ion 98.90 (98.60 to 99.60): VV0

Ion 60.90 (60.60 to 61.60): VV0



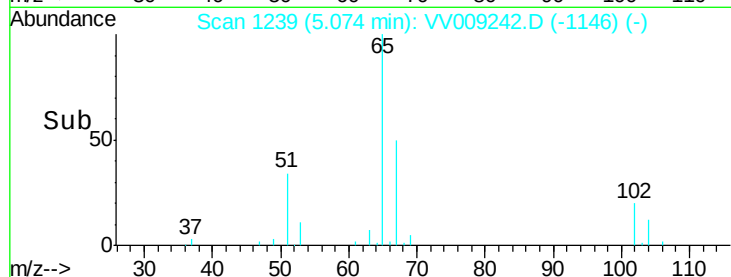
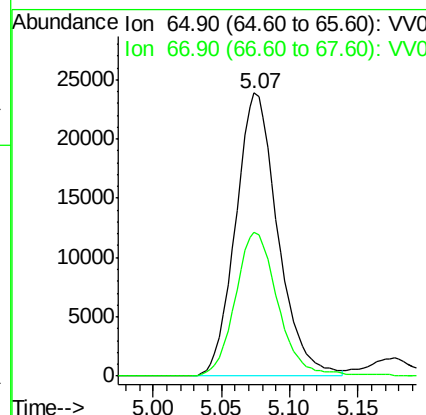
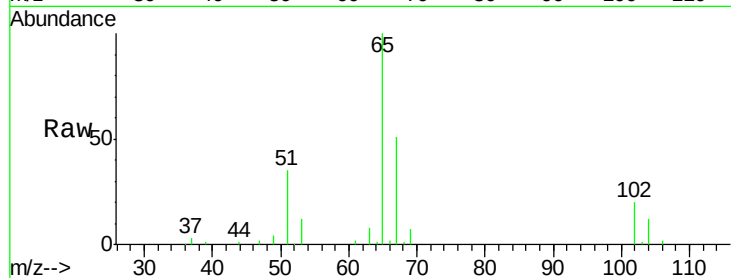


#33
 1,2-Dichloroethane-d4
 Concen: 51.779 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

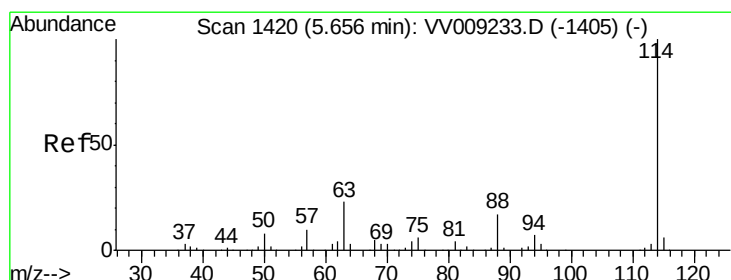
Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.8

Manual Integrations
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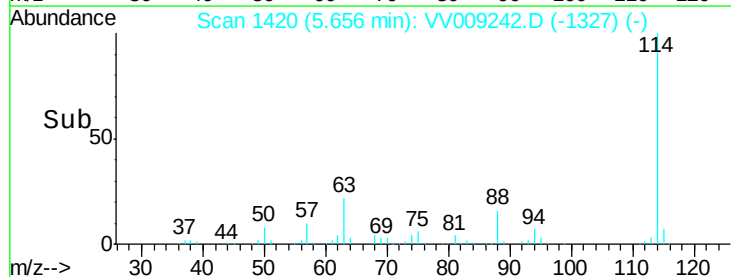
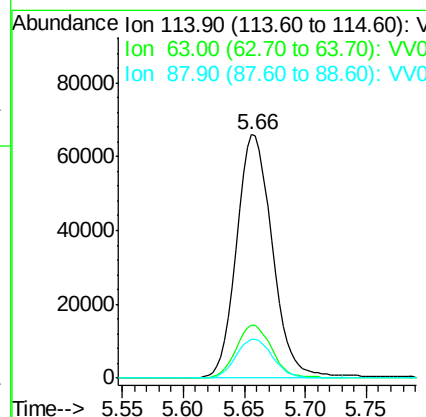
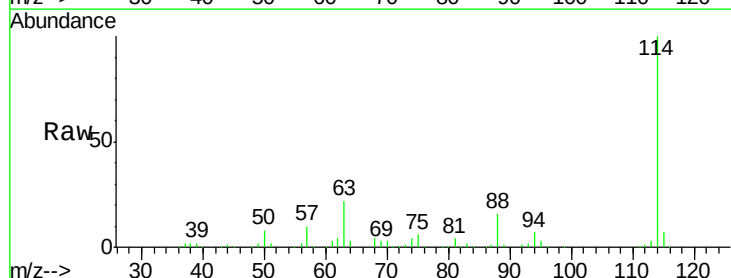
MMDadoda

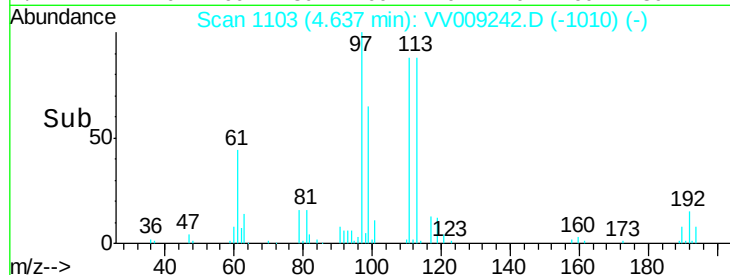
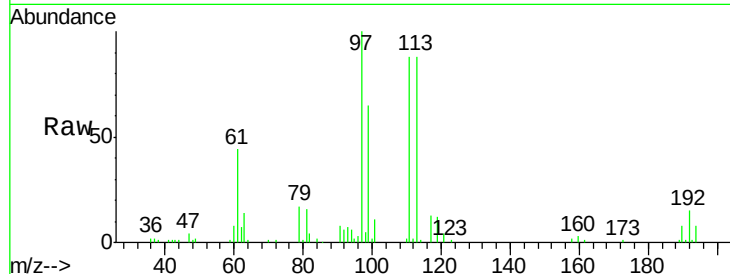
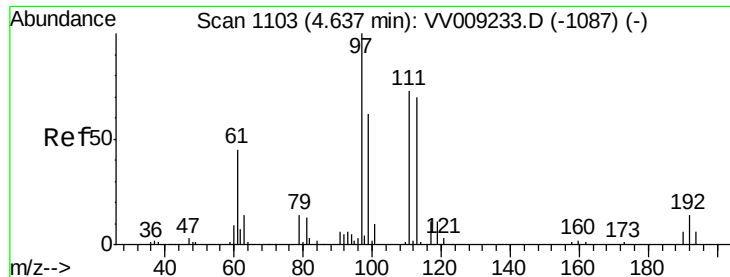
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	45.2
88	15.7	0.0	33.4



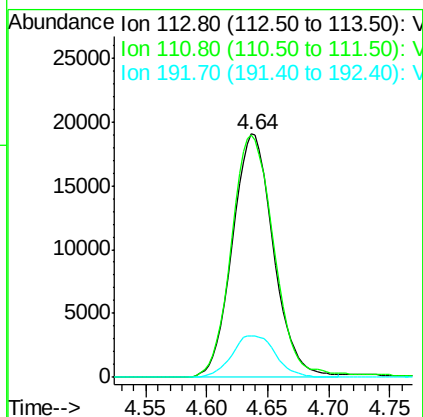


#35
Dibromofluoromethane
Concen: 50.703 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	18.2	15.0	22.6

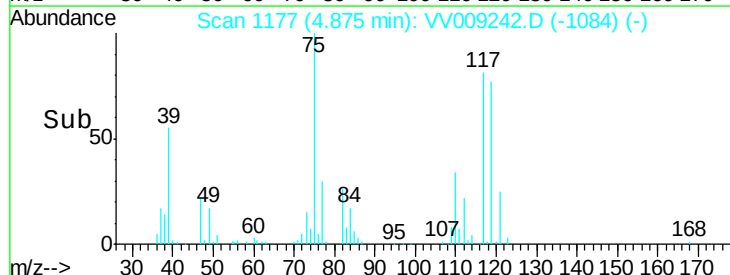
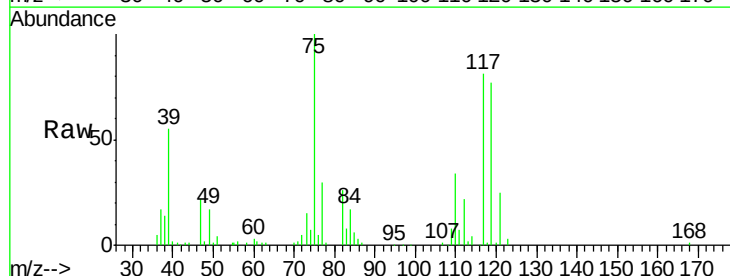
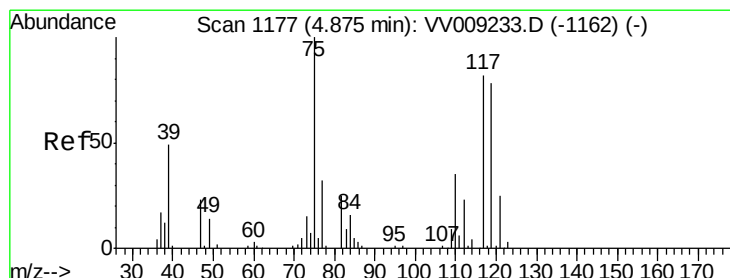
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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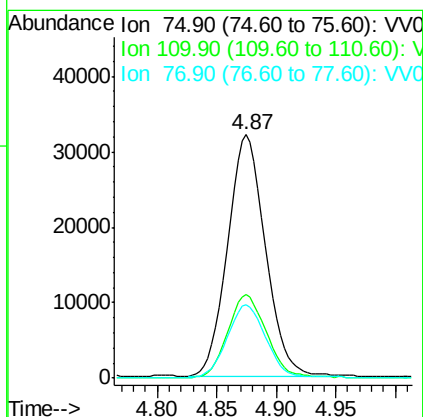
MMDadoda

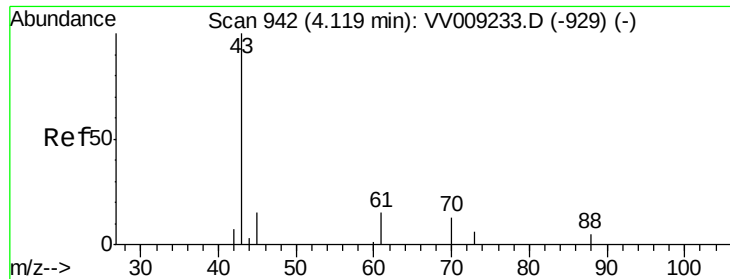
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#36
1,1-Dichloropropene
Concen: 46.995 ug/l
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.5	52.5
77	31.5	25.5	38.3



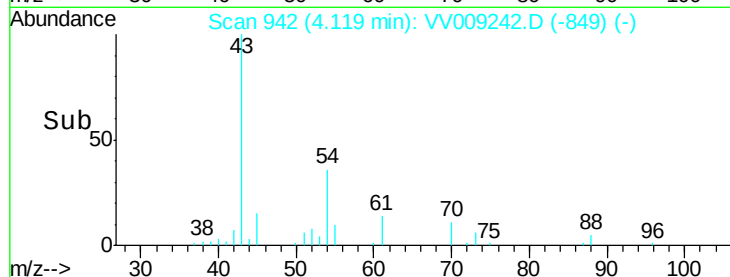
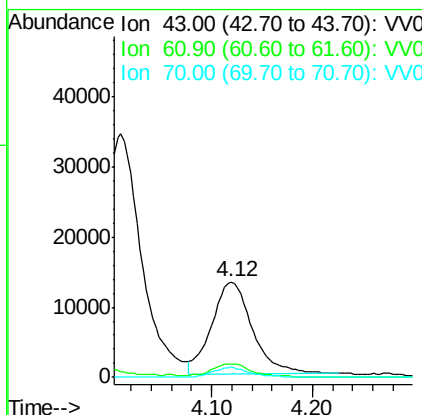
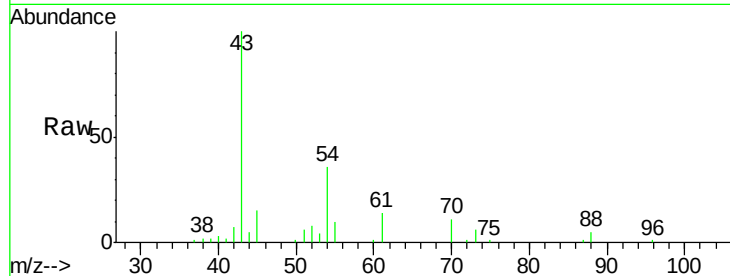


#37
Ethyl Acetate
Concen: 64.503 ug/l
RT: 4.12 min Scan# 942
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

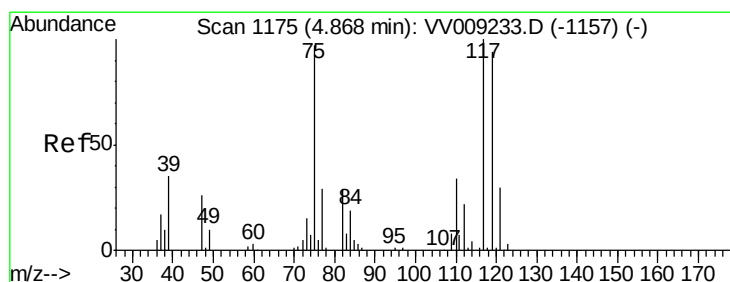
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	9.6	8.7	13.1

Manual Integrations
APPROVED



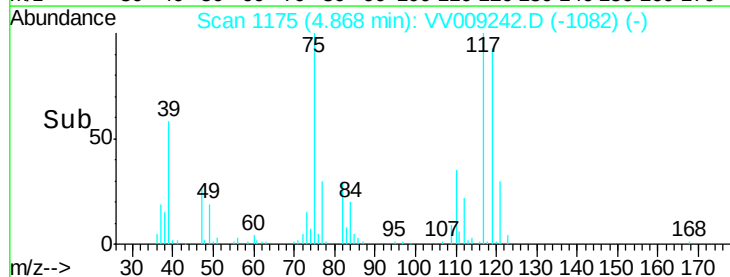
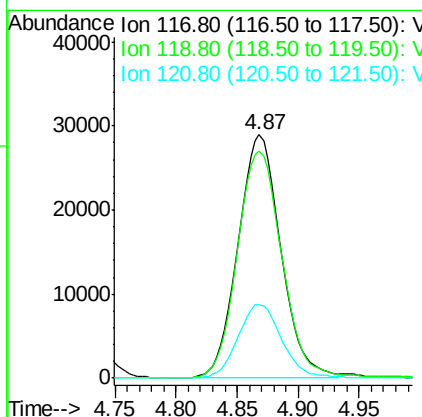
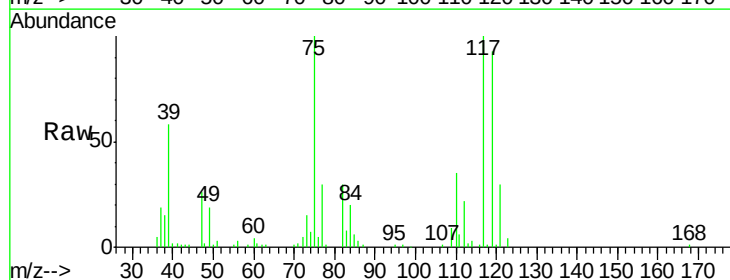
MMDadoda

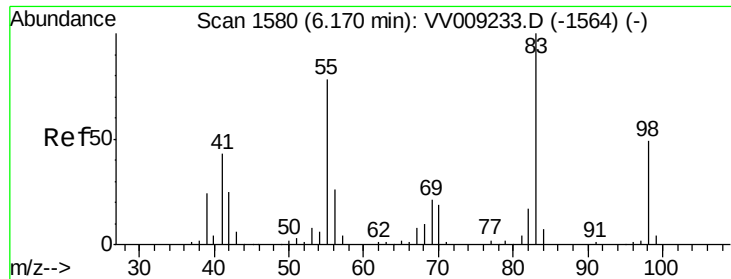
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#38
Carbon Tetrachloride
Concen: 47.018 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.4	113.2
121	30.4	24.2	36.2



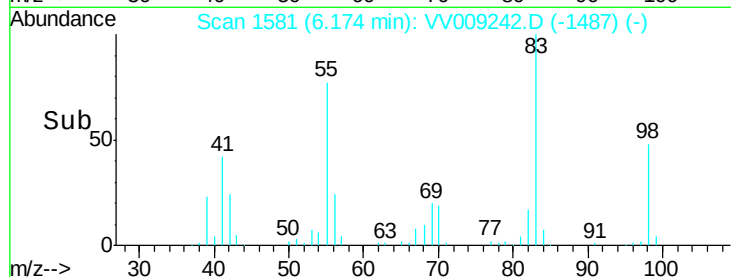
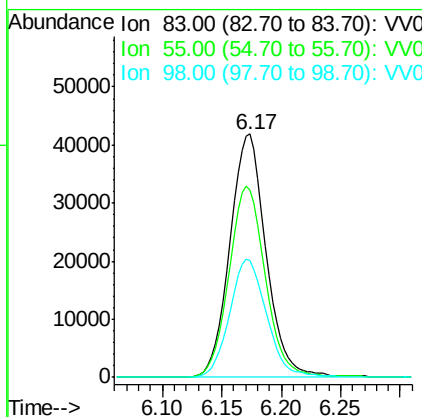
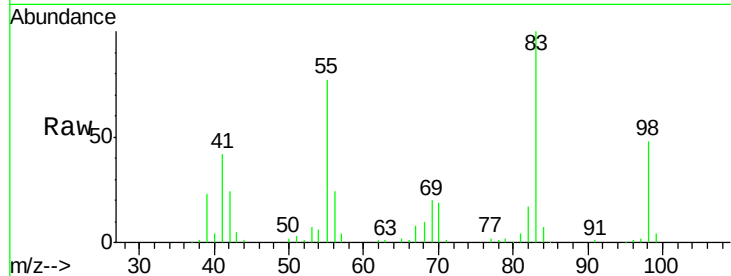


#39
Methylvlcyclohexane
Concen: 49.936 ug/l
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

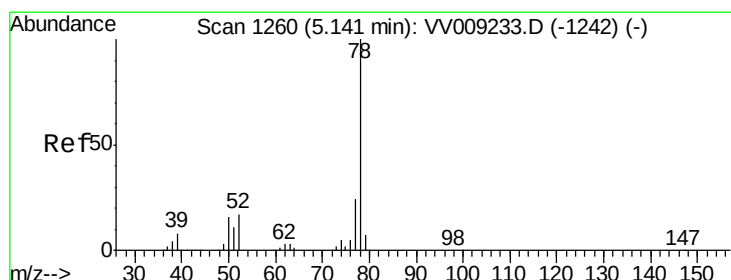
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	62.8	94.2
98	47.8	39.1	58.7

Manual Integrations
APPROVED



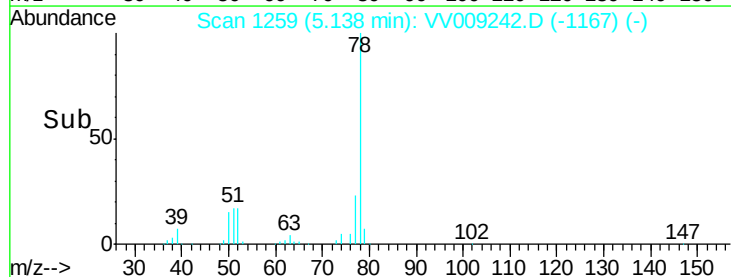
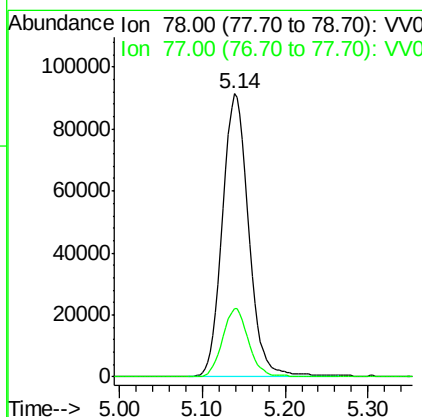
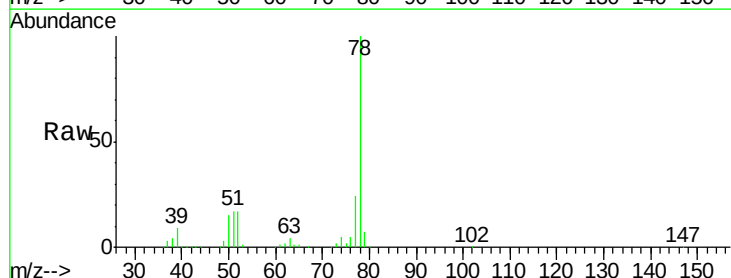
MMDadoda

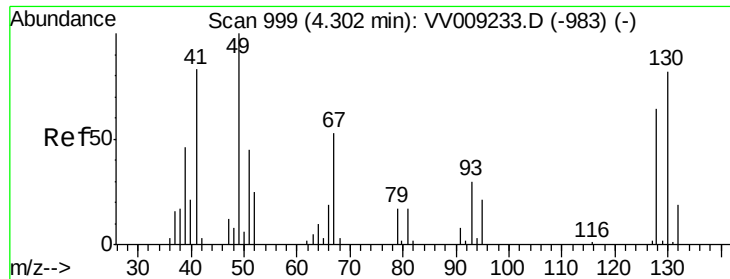
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#40
Benzene
Concen: 48.355 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.2



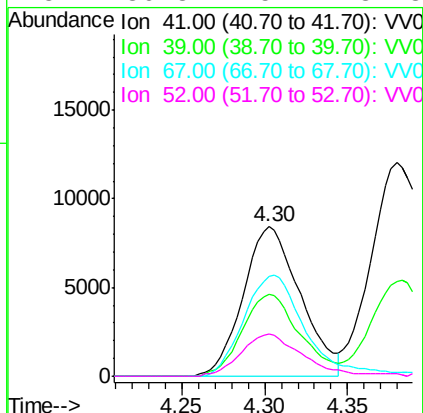
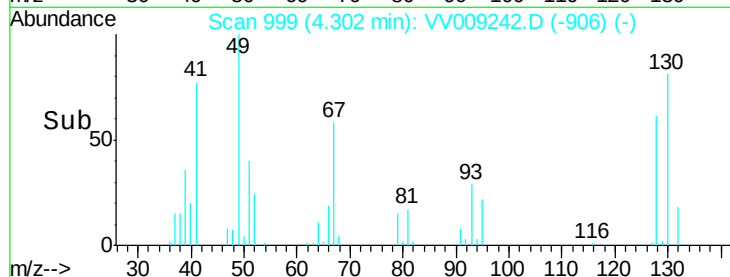
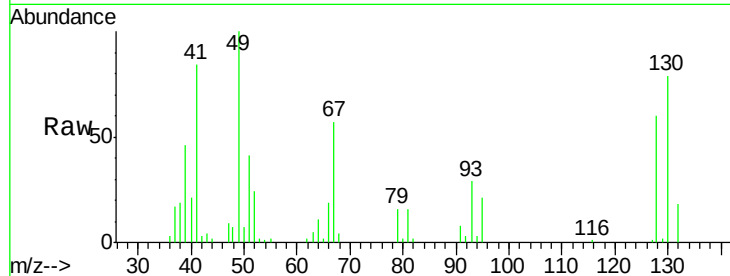


#41
Methacrylonitrile
Concen: 58.628 ug/l
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

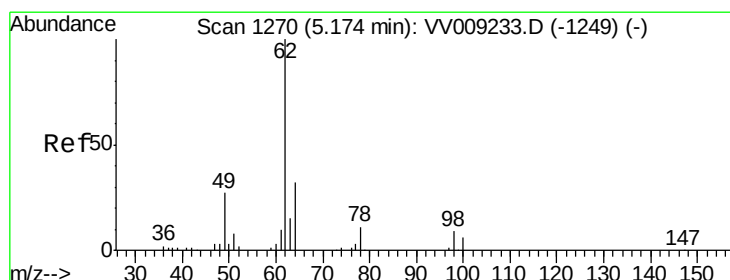
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.3	45.4	68.0	
67	72.2	55.5	83.3	
52	30.8	25.2	37.8	

Manual Integrations
APPROVED



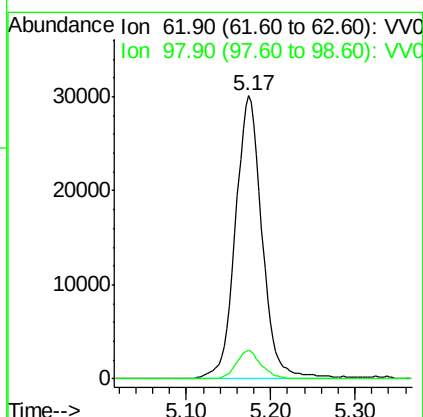
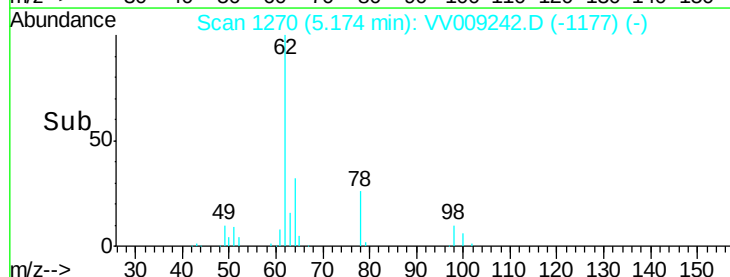
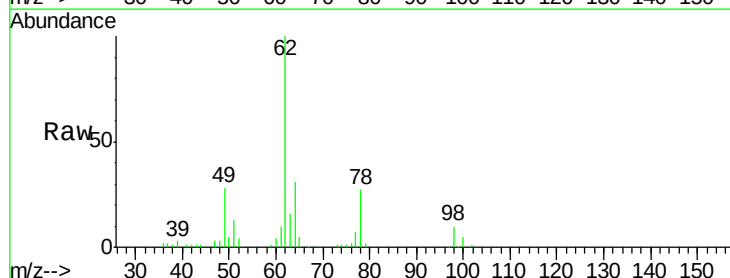
MMDadoda

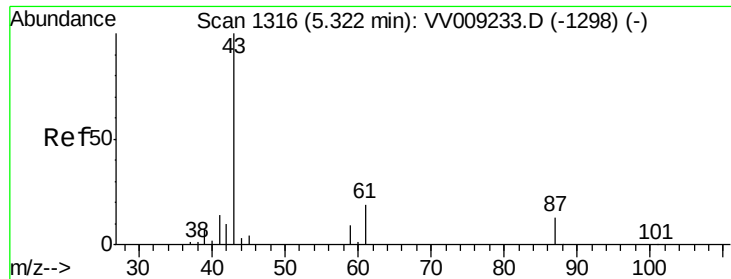
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#42
1,2-Dichloroethane
Concen: 50.897 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	16.4	



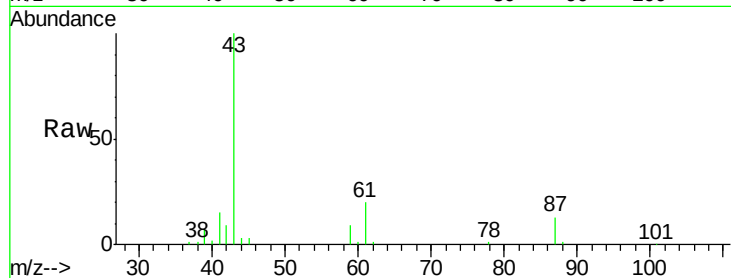


#43
Isopropyl Acetate
Concen: 60.527 ug/l
RT: 5.32 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

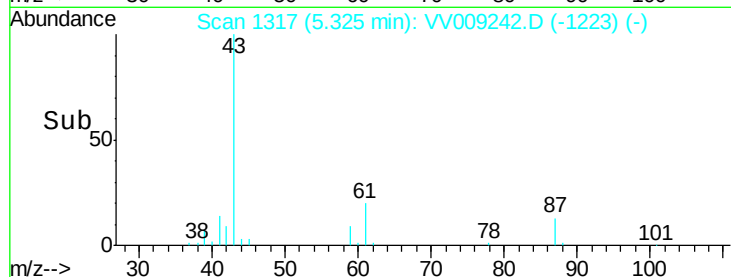
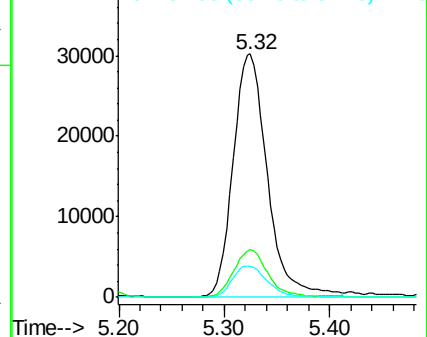
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	13.2	9.9	14.9

Manual Integrations
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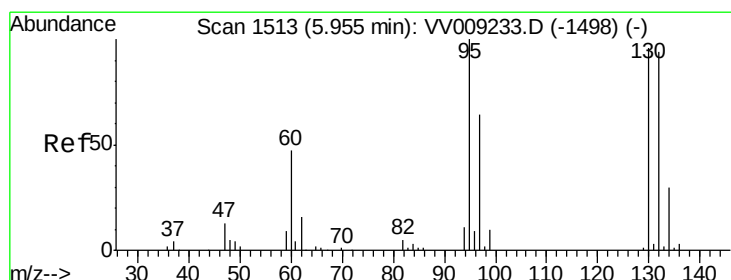


Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-1298) (-)



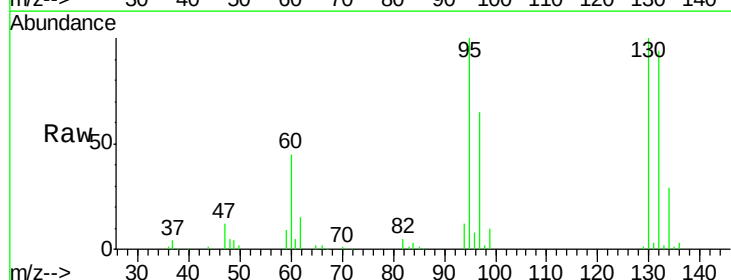
MMDadoda

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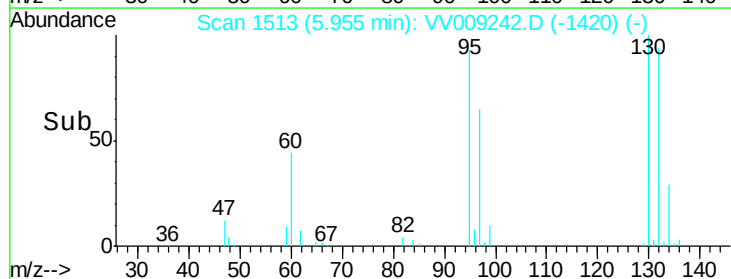
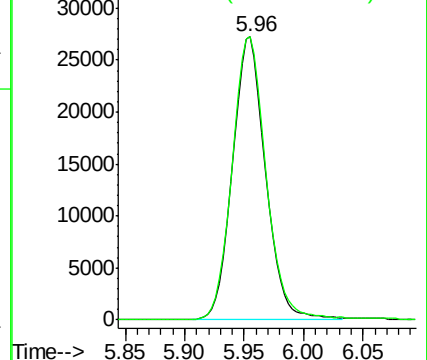


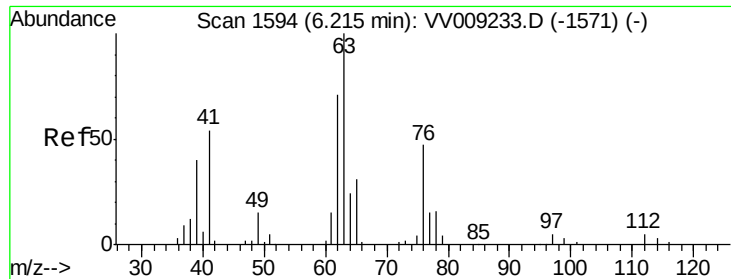
#44
Trichloroethene
Concen: 47.702 ug/l
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	208.2



Abundance Ion 129.80 (129.50 to 130.50): VV009233.D (-1498) (-)



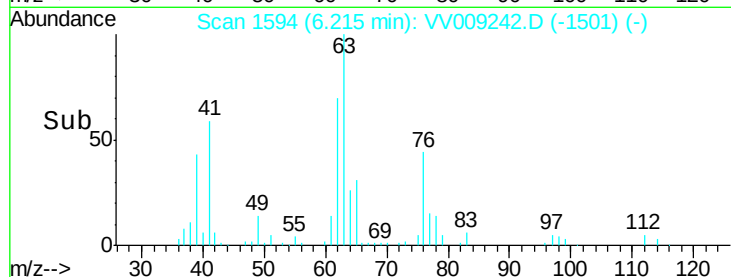
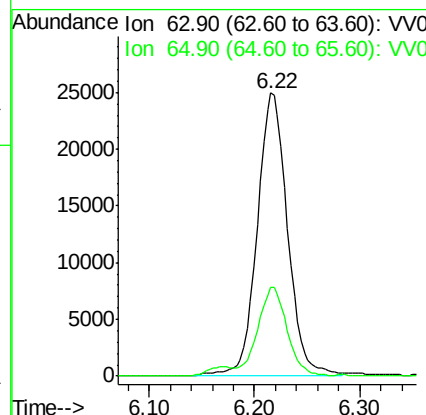
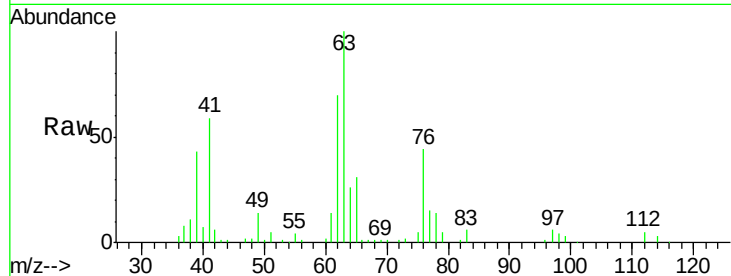


#45
1,2-Dichloropropane
Concen: 50.125 ug/l
RT: 6.22 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

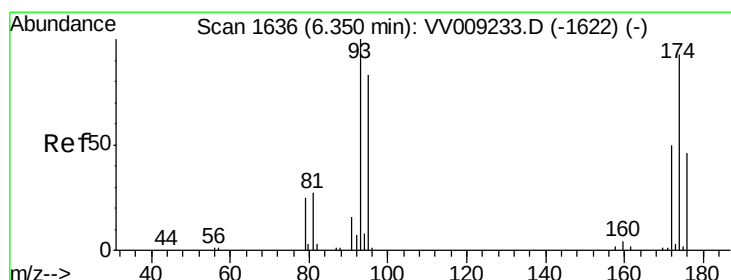
Tot Ion: 63 Resp: 50364
Ion Ratio Lower Upper
63 100
65 31.4 25.1 37.7

Manual Integrations
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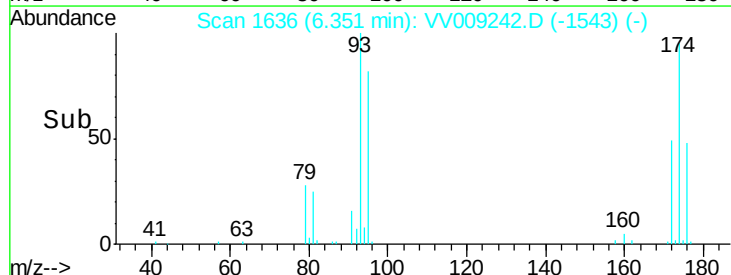
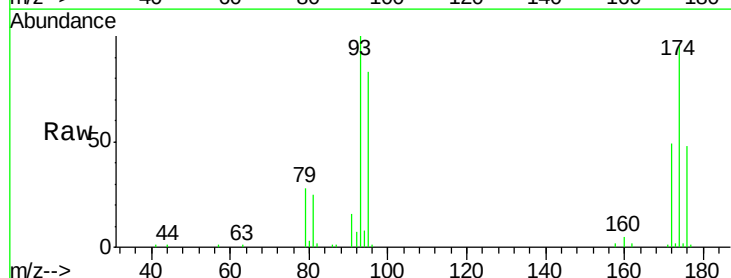
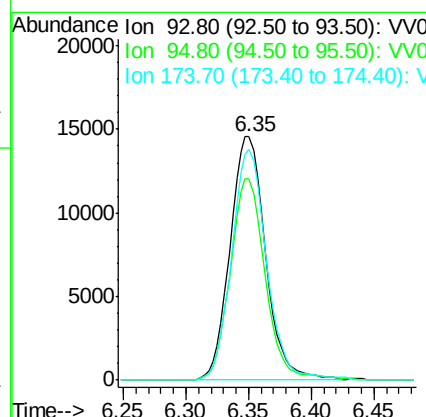
MMDadoda

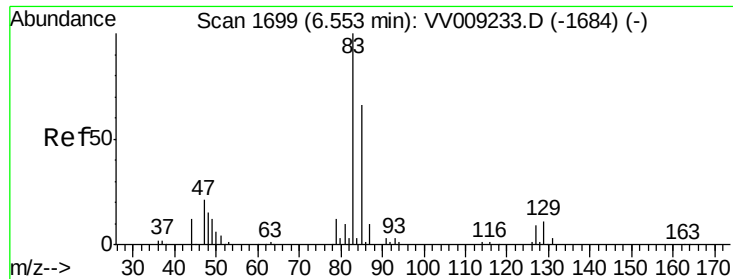
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#46
Dibromomethane
Concen: 55.660 ug/l
RT: 6.35 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion: 93 Resp: 28697
Ion Ratio Lower Upper
93 100
95 81.4 64.6 97.0
174 92.8 74.0 111.0





#47

Bromodichloromethane

Concen: 51.014 ug/l

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

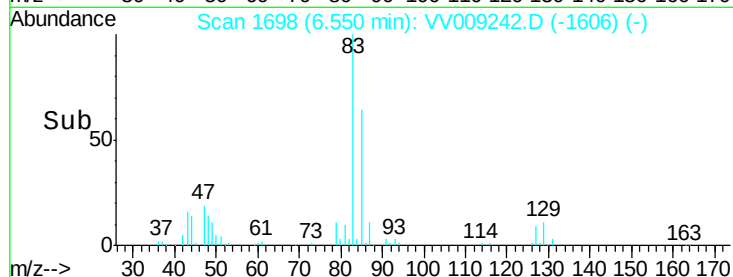
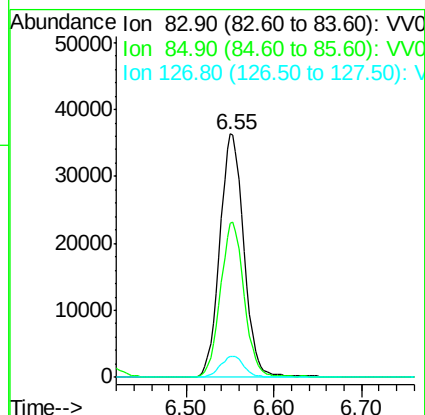
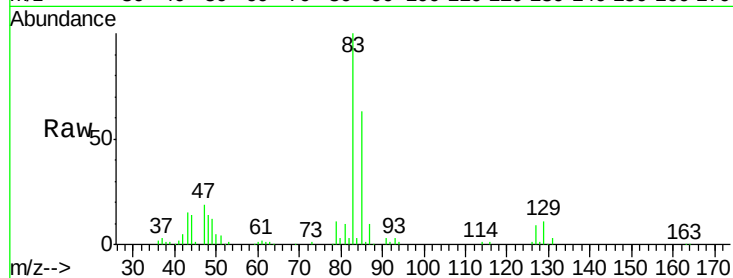
MSVOA_V

ClientSampleId :

VSTDCCC050EC

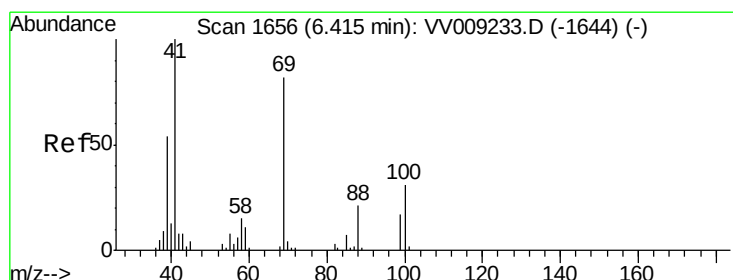
Tot Ion:	83	Resp:	69501
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8
127	8.5	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 60.089 ug/l

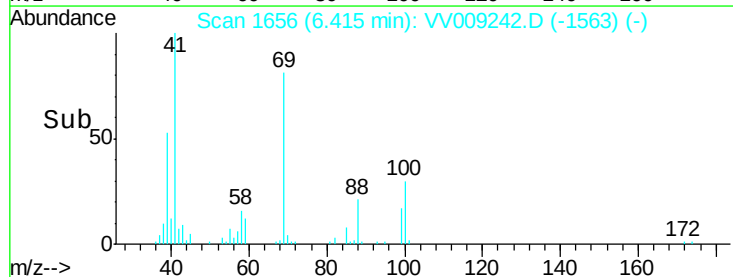
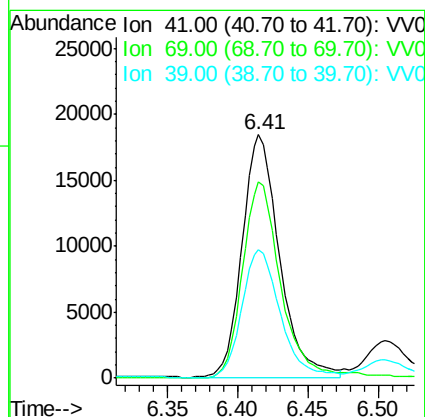
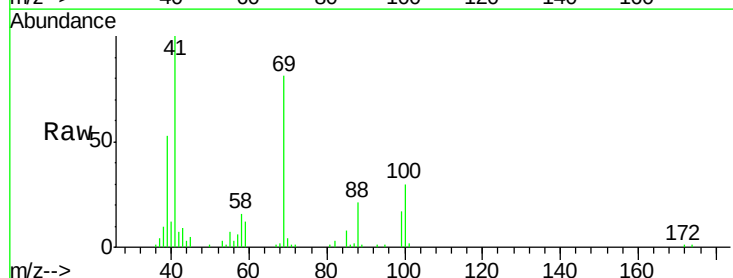
RT: 6.41 min Scan# 1656

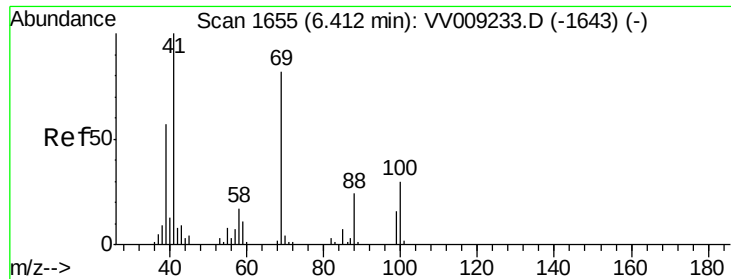
Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Tgt Ion:	41	Resp:	34618
Ion	Ratio	Lower	Upper
41	100		
69	82.6	65.8	98.6
39	54.3	43.4	65.0



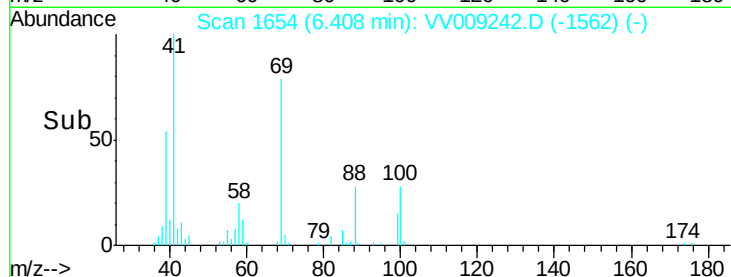
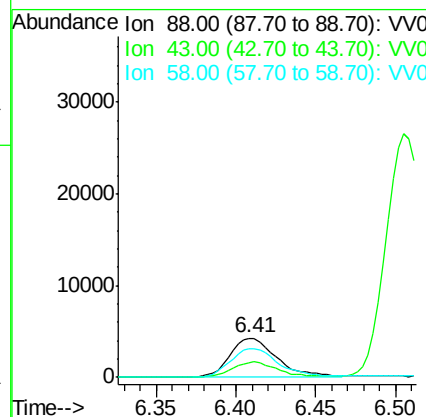
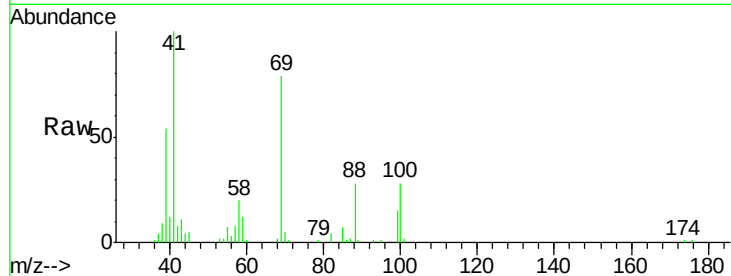


#49
1,4-Dioxane
Concen: 1314.198 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

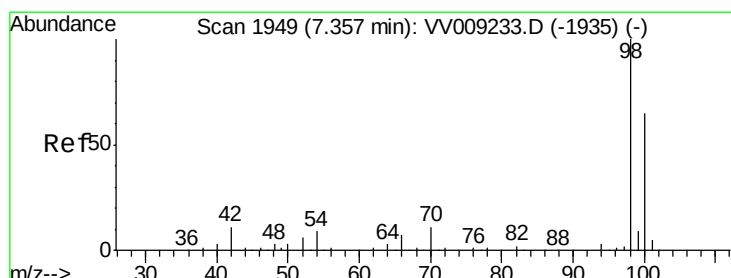
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.1		31.9	47.9
58	76.5		62.0	93.0

Manual Integrations
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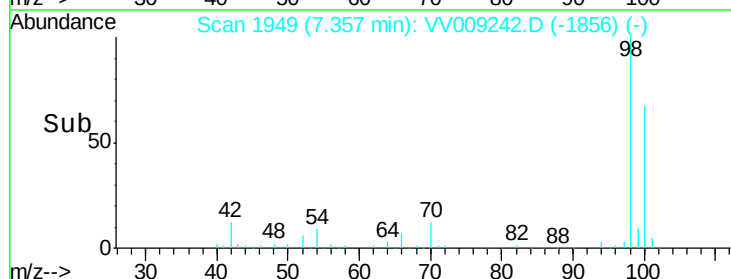
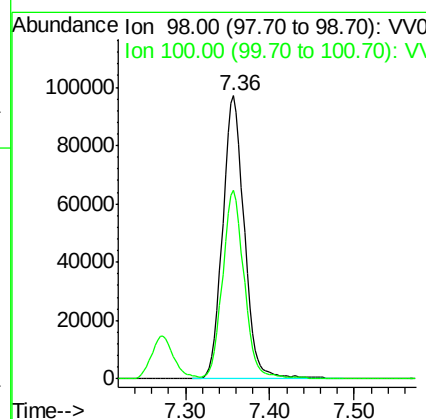
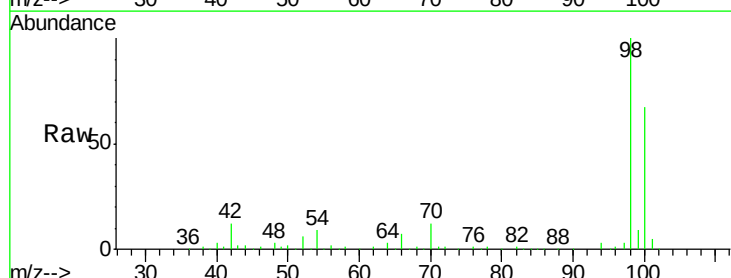
MMDadoda

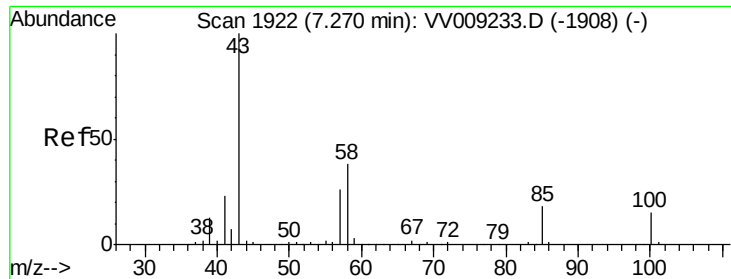
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#50
Toluene-d8
Concen: 50.983 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.0		52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 311.178 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 178297

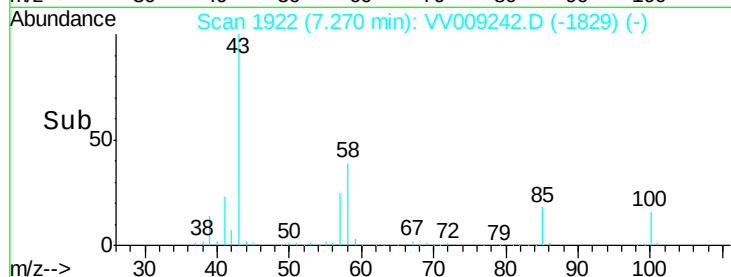
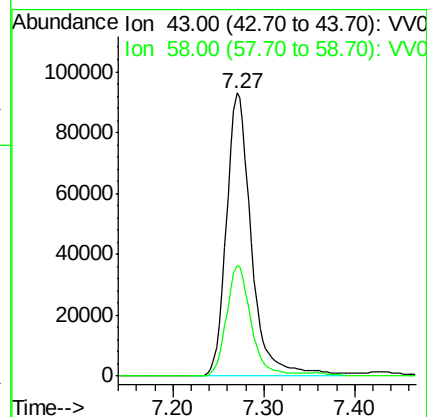
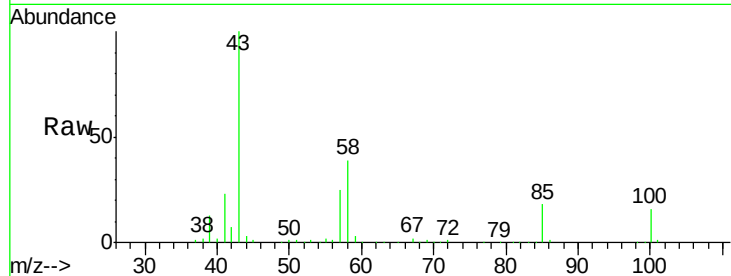
Ion Ratio Lower Upper

43 100

58 38.3 30.4 45.6

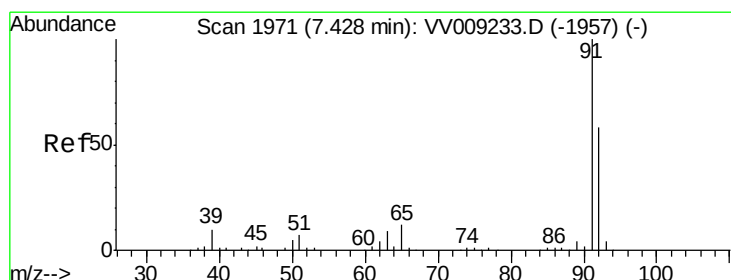
Manual Integrations

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#52

Toluene

Concen: 48.663 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009242.D

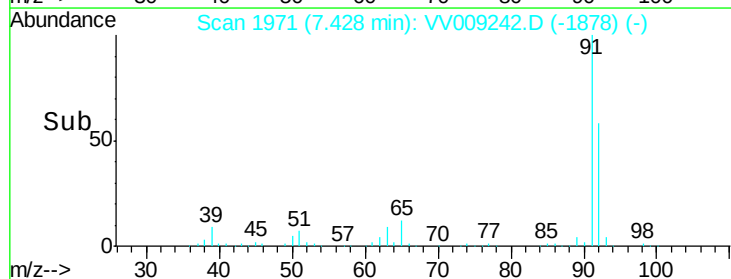
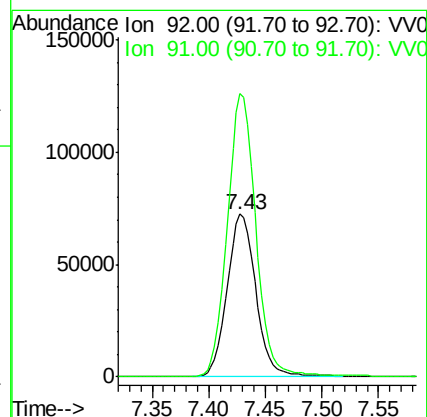
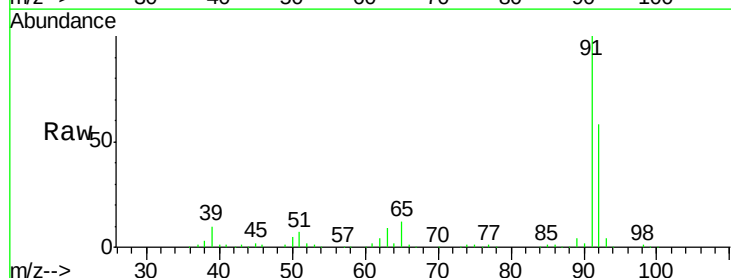
Acq: 22 Jan 2019 19:00

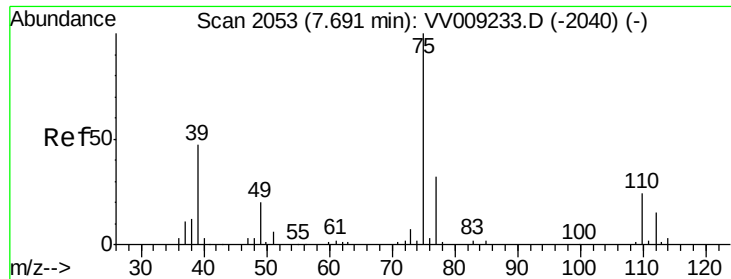
Tgt Ion: 92 Resp: 128585

Ion Ratio Lower Upper

92 100

91 173.5 137.2 205.8



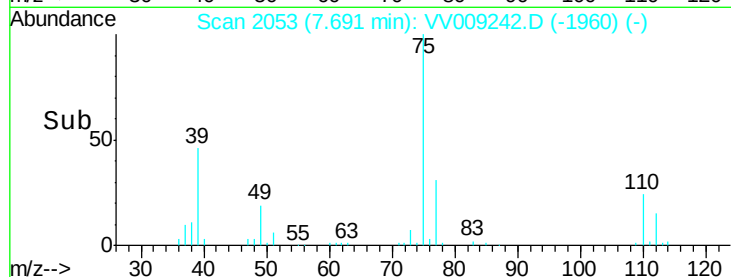
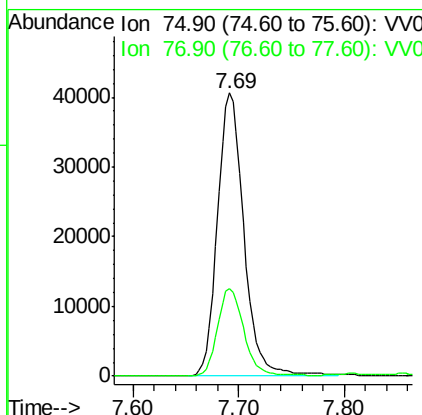
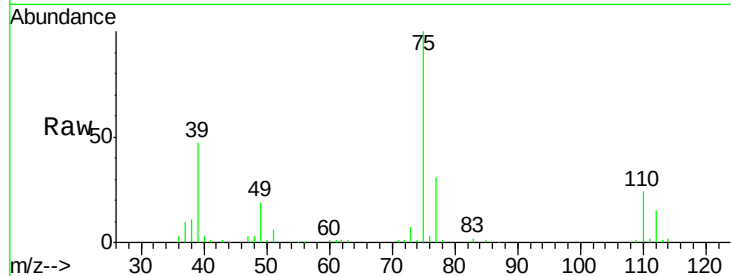


#53
t-1,3-Dichloropropene
Concen: 53.296 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampled :
VSTDCCC050EC

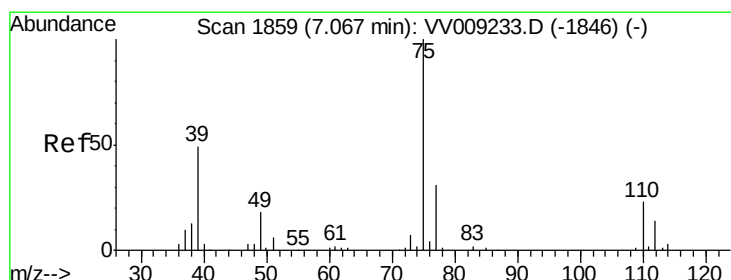
Tot Ion: 75 Resp: 70671
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.8

Manual Integrations
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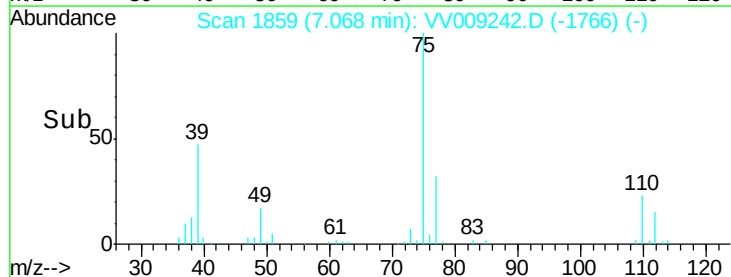
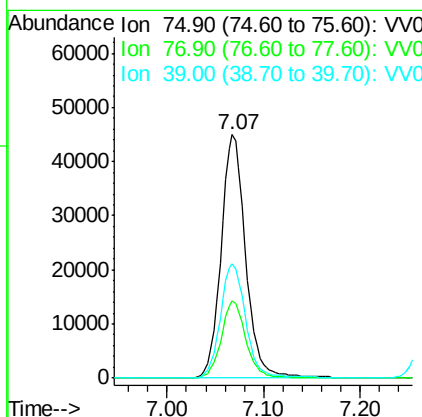
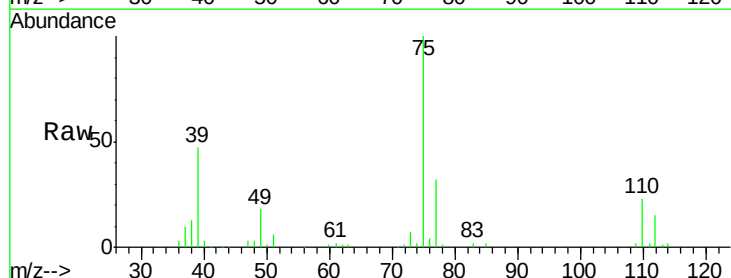
MMDadoda

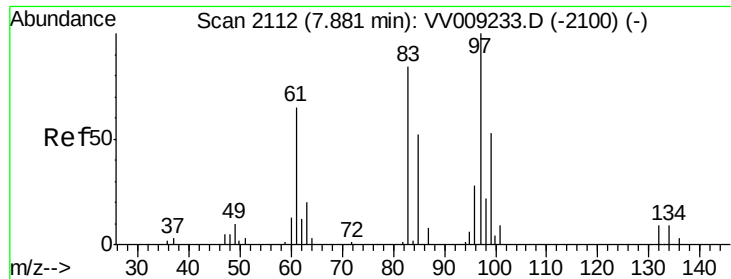
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#54
cis-1,3-Dichloropropene
Concen: 51.938 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion: 75 Resp: 79302
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7
39 47.0 38.8 58.2



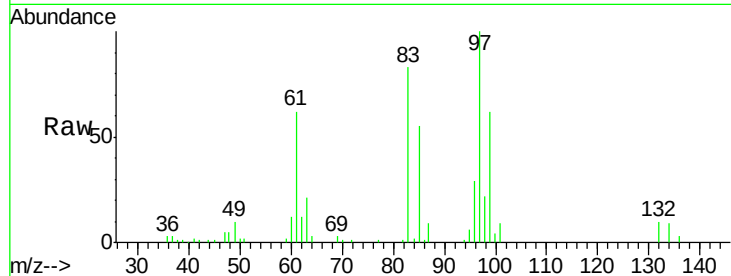


#55
1,1,2-Trichloroethane
Concen: 55.249 ug/l
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

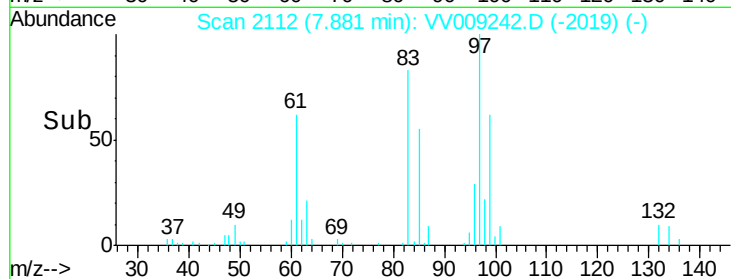
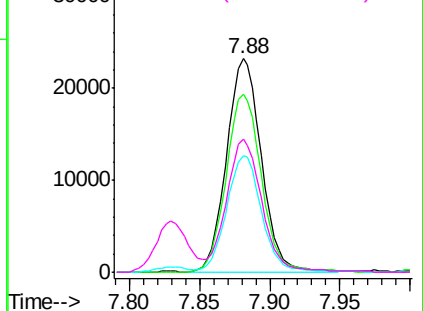
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	40134
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.0
85	54.2	42.6	64.0
99	61.8	51.1	76.7

Manual Integrations
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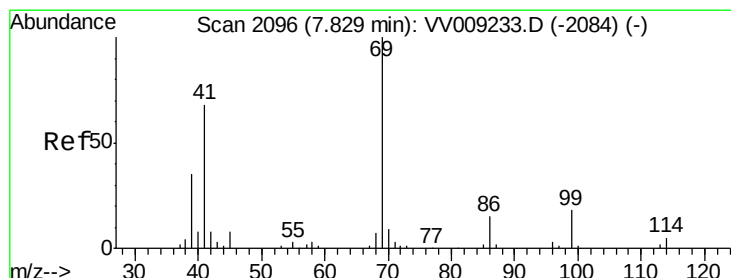


Abundance Ion 96.90 (96.60 to 97.60): VV0
Ion 82.90 (82.60 to 83.60): VV0
Ion 84.90 (84.60 to 85.60): VV0
Ion 98.90 (98.60 to 99.60): VV0



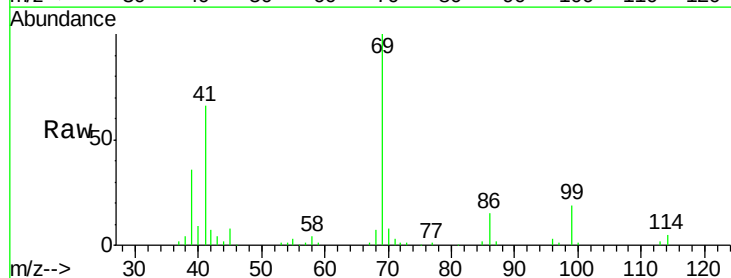
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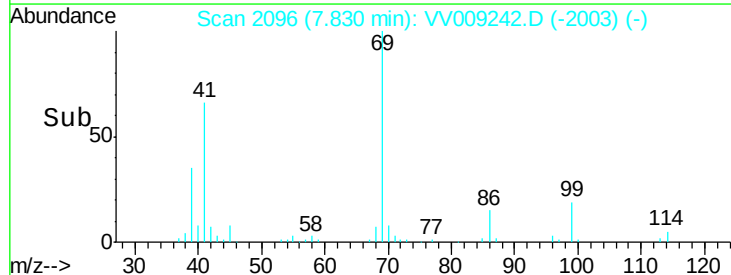
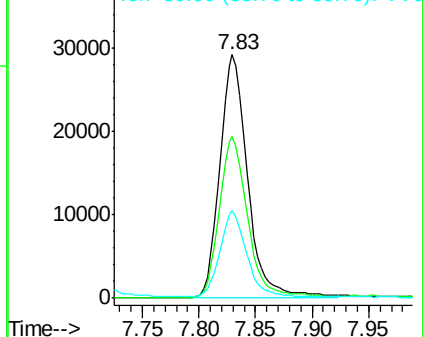


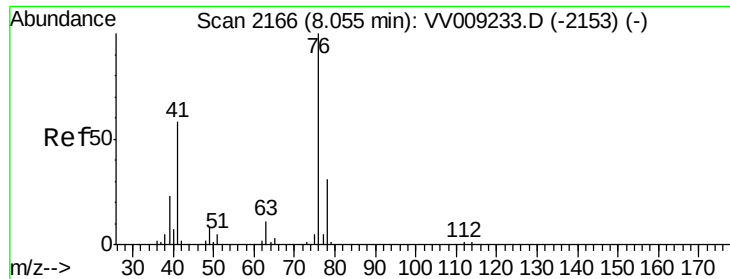
#56
Ethyl methacrylate
Concen: 59.414 ug/l
RT: 7.83 min Scan# 2096
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion:	69	Resp:	50284
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.0	81.0
39	33.9	26.8	40.2



Abundance Ion 69.00 (68.70 to 69.70): VV0
Ion 41.00 (40.70 to 41.70): VV0
Ion 39.00 (38.70 to 39.70): VV0



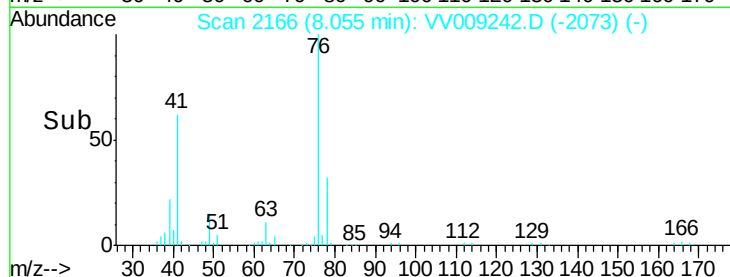
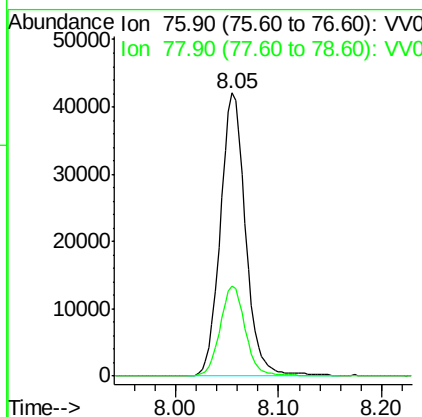
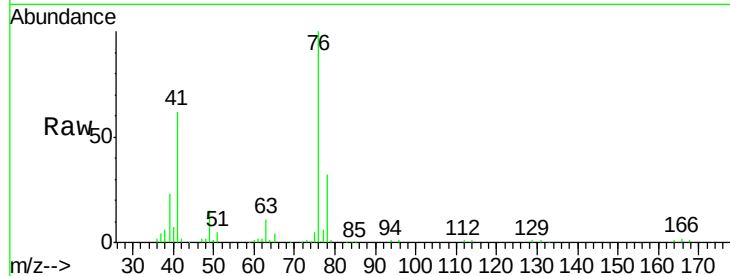


#57
 1,3-Dichloropropane
 Concen: 54.537 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

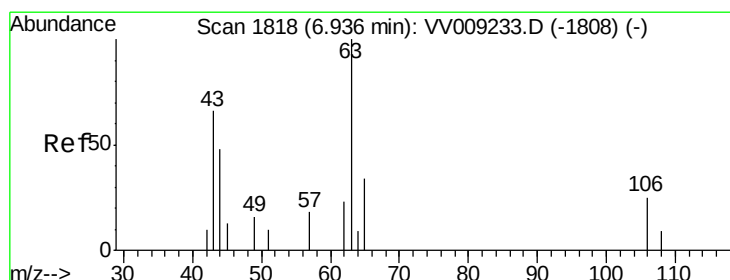
Tot Ion: 76 Resp: 71728
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

Manual Integrations
 APPROVED



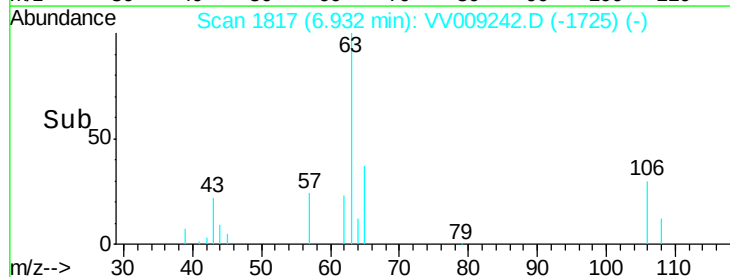
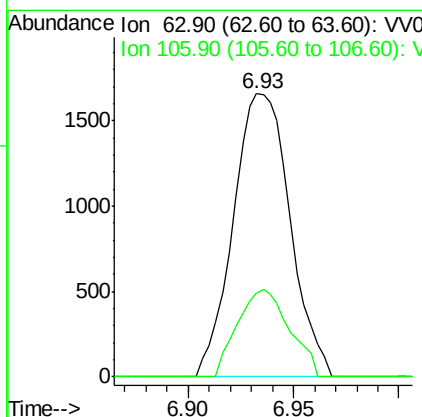
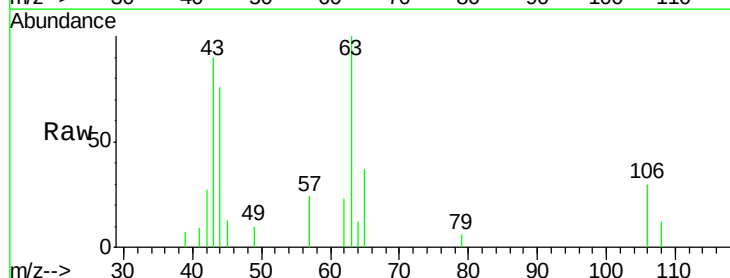
MMDadoda

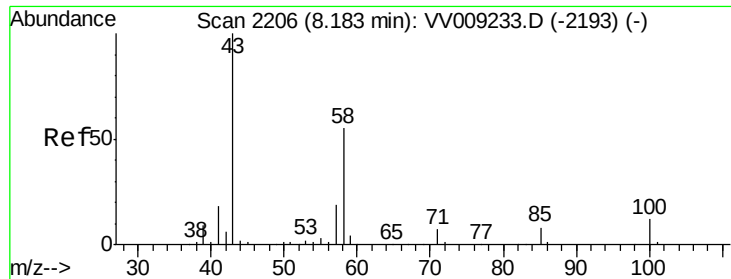
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#58
 2-Chloroethyl Vinyl ether
 Concen: 234.012 ug/l
 RT: 6.93 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Tgt Ion: 63 Resp: 3095
 Ion Ratio Lower Upper
 63 100
 106 28.3 19.0 28.6



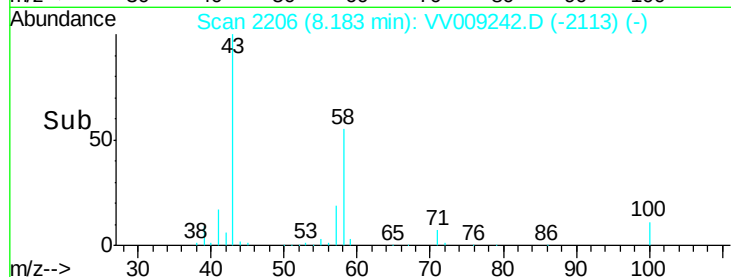
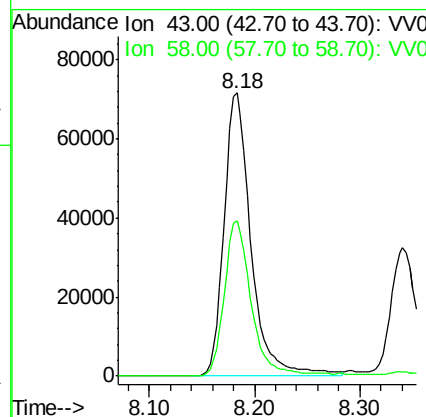
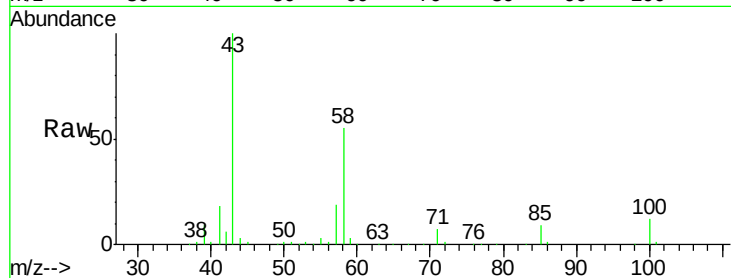


#59
2-Hexanone
Concen: 307.343 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

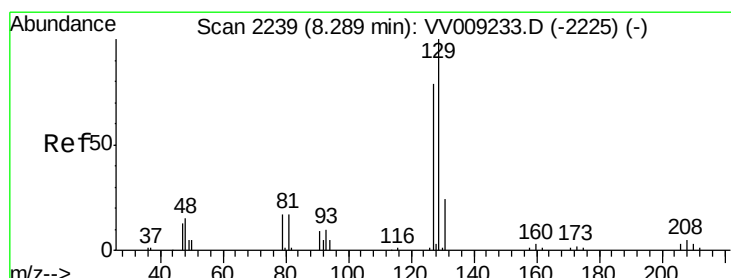
Tot Ion	43	Resp	127370
Ion Ratio	43	100	
Lower	58	54.8	27.5
Upper			82.5

Manual Integrations
APPROVED



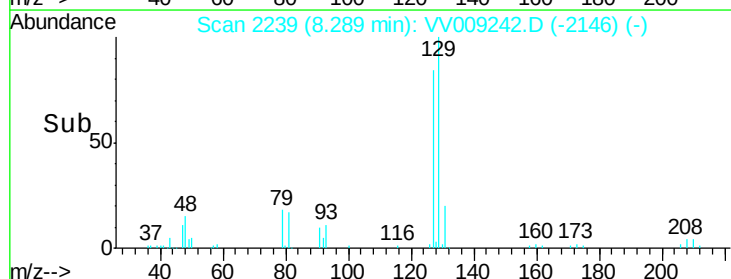
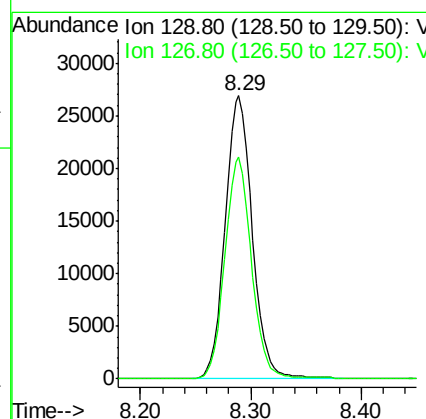
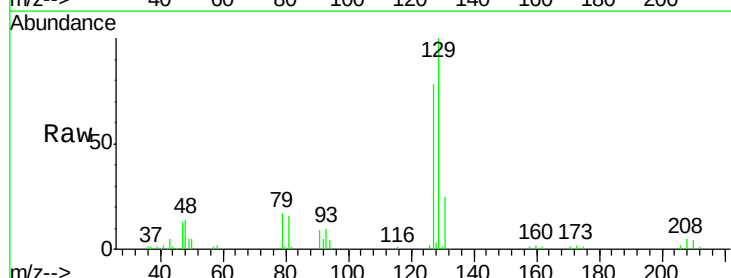
MMDadoda

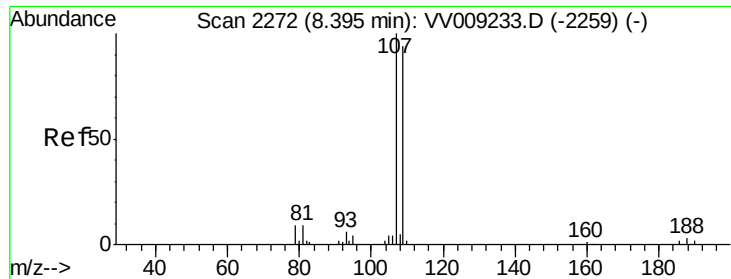
1/24/2019 11:44:59 AM



#60
Dibromochloromethane
Concen: 54.056 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	129	Resp	45977
Ion Ratio	129	100	
Lower	127	76.5	38.8
Upper			116.4





#61

1,2-Dibromoethane

Concen: 56.147 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

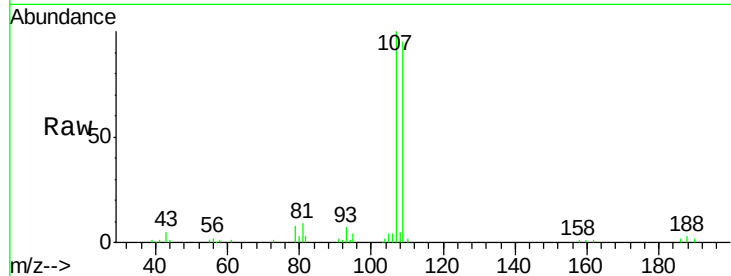
Tot Ion:107 Resp: 39886

Ion Ratio Lower Upper

107 100

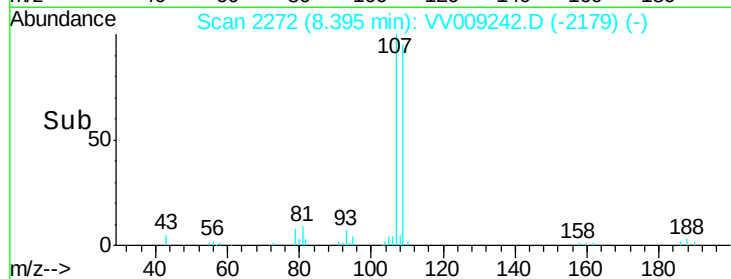
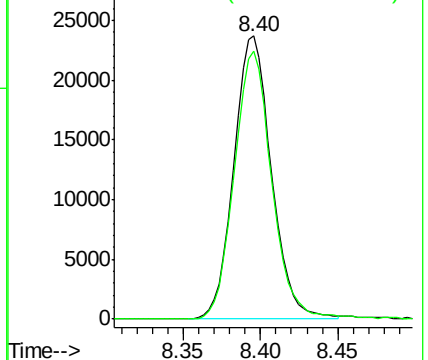
109 94.7 76.2 114.2

Manual Integrations
APPROVED



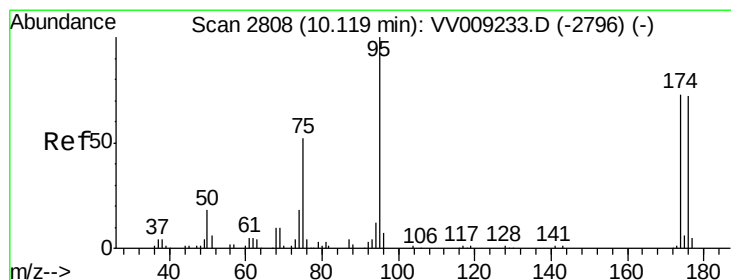
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



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#62

4-Bromofluorobenzene

Concen: 51.479 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

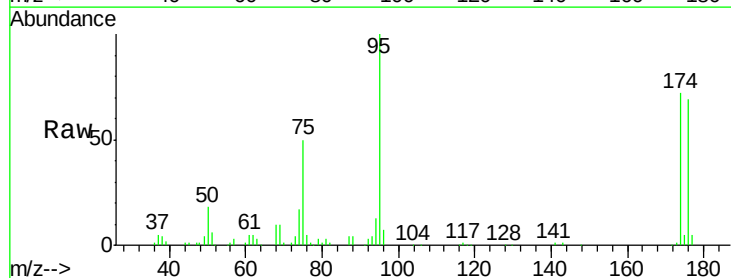
Tgt Ion: 95 Resp: 66085

Ion Ratio Lower Upper

95 100

174 72.6 0.0 148.2

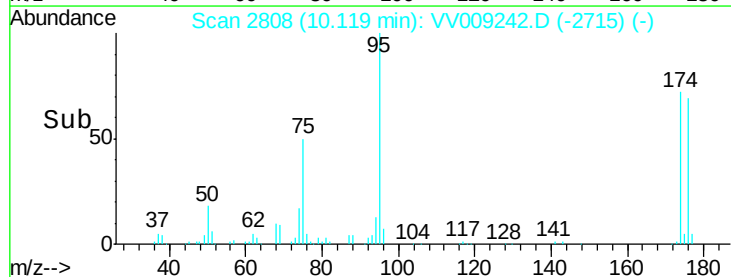
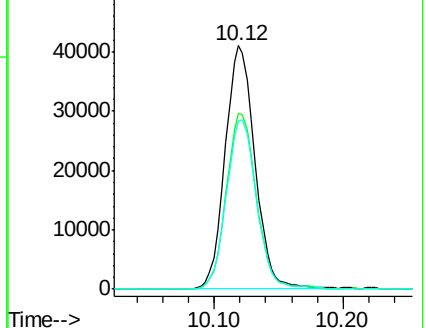
176 70.8 0.0 143.0

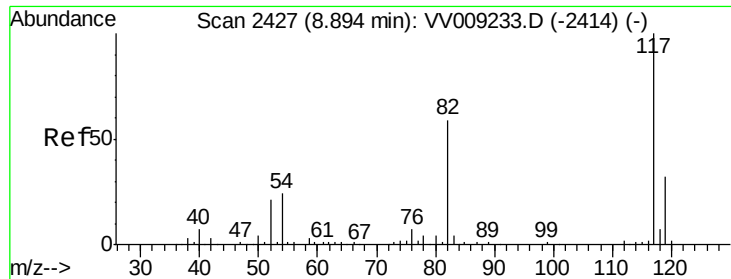


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



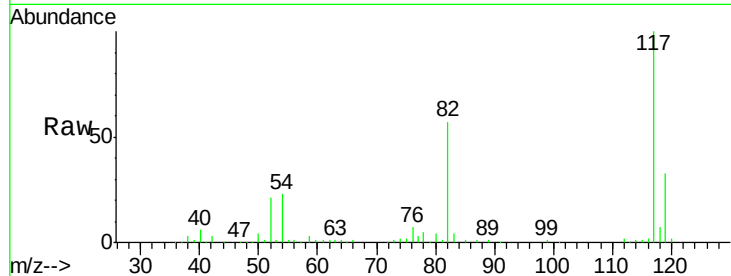


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.0	70.6
119	32.7	25.4	38.2

Manual Integrations
APPROVED

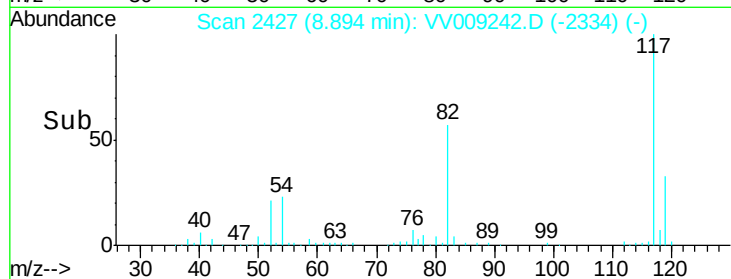
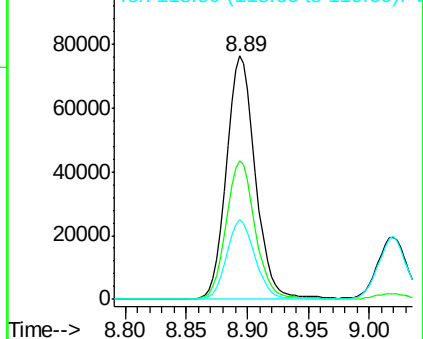


Abundance

Ion 116.90 (116.60 to 117.60): V

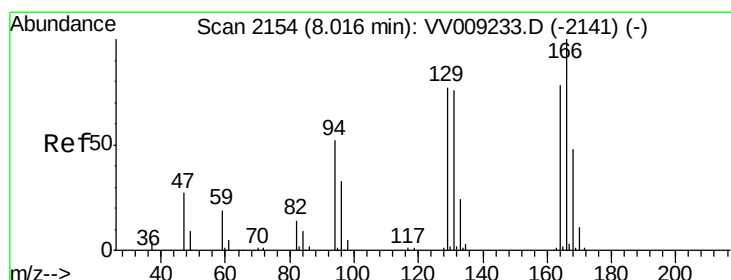
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



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#64
Tetrachloroethene
Concen: 49.663 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.1	153.1
129	97.9	78.1	117.1
131	92.5	78.0	117.0

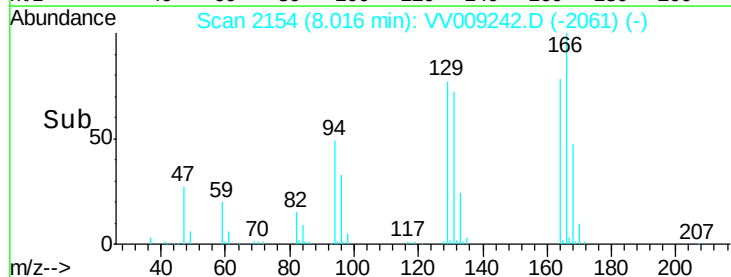
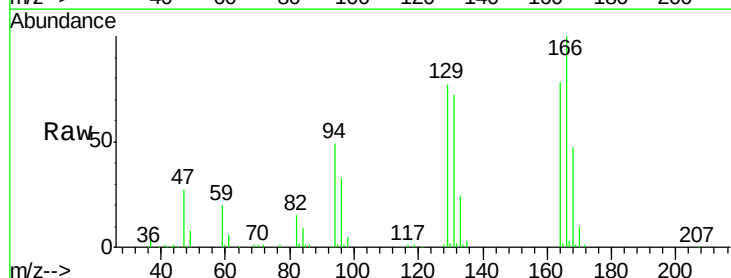
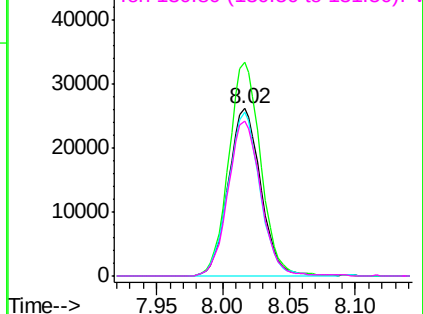
Abundance

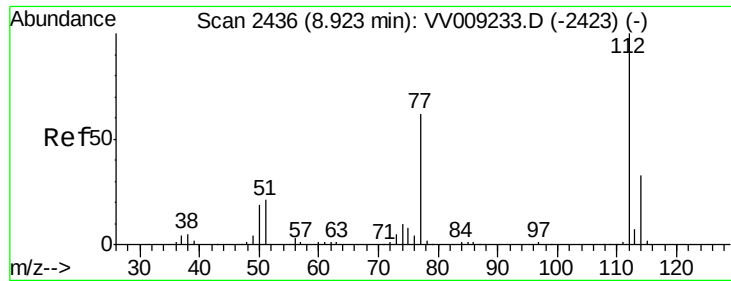
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



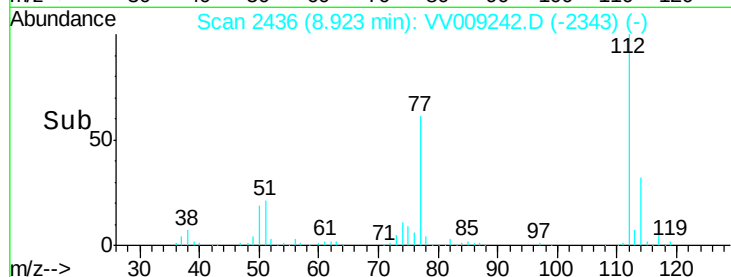
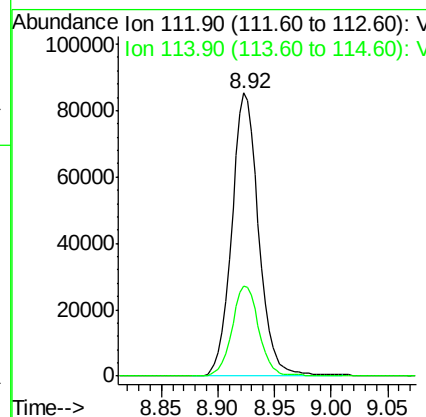
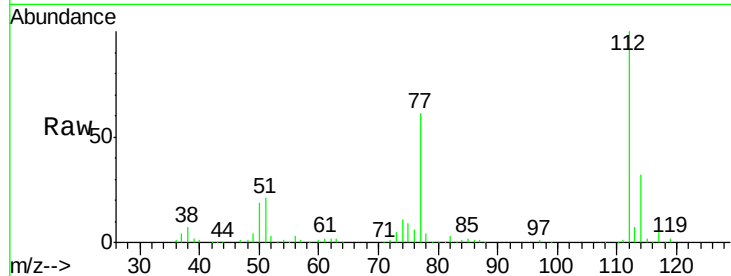


#65
Chlorobenzene
Concen: 47.908 ug/l
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

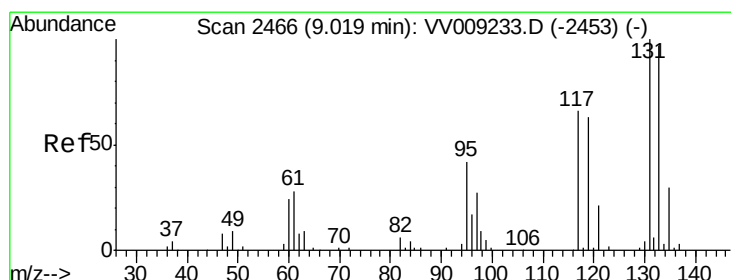
Tot Ion:112 Resp: 141283
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0

Manual Integrations
APPROVED



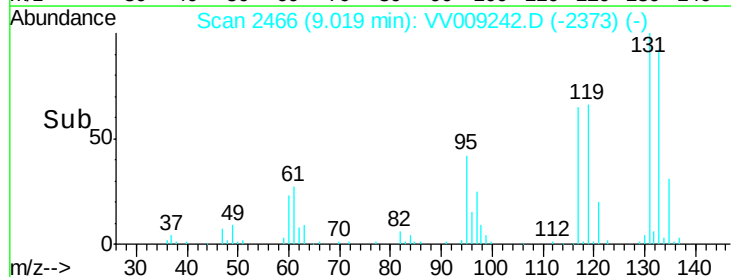
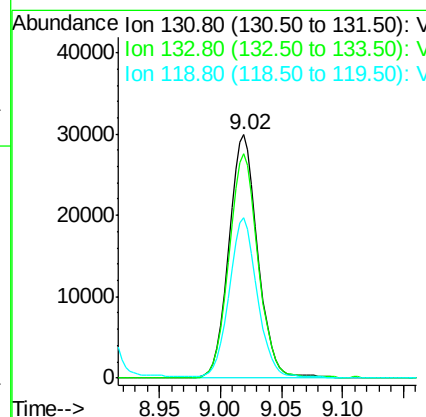
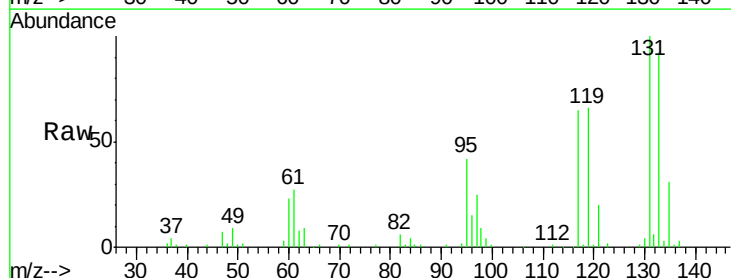
MMDadoda

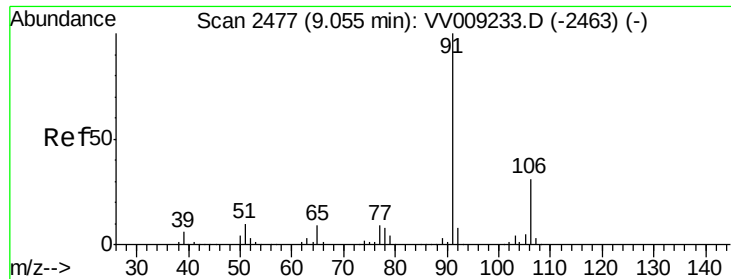
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.094 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion:131 Resp: 49481
Ion Ratio Lower Upper
131 100
133 93.2 48.3 144.9
119 65.1 31.2 93.6



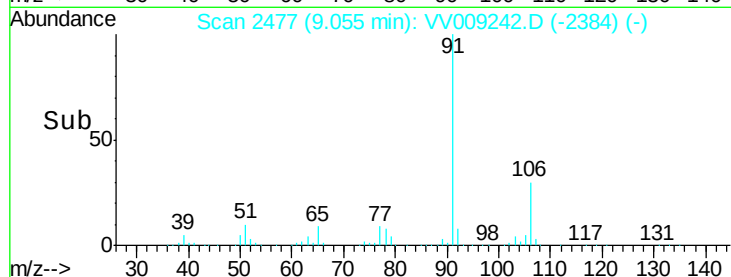
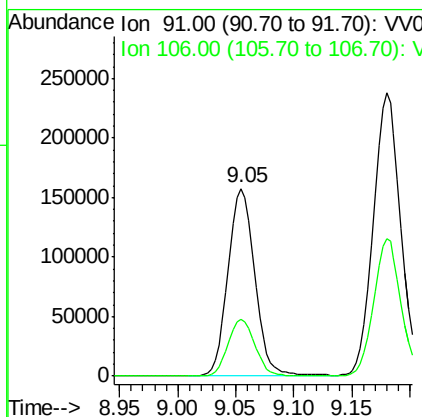
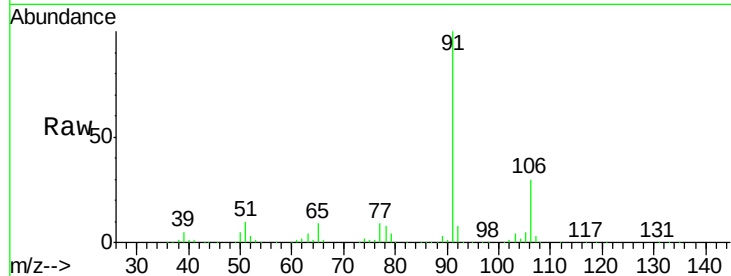


#67
Ethyl Benzene
Concen: 48.012 ug/l
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

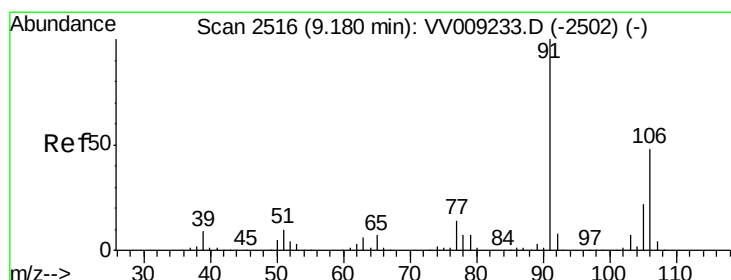
Tot Ion: 91 Resp: 252246
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0

Manual Integrations
APPROVED



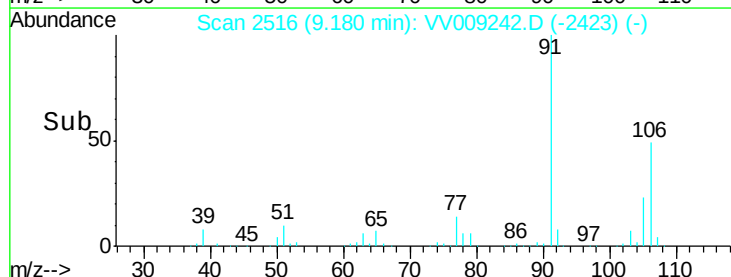
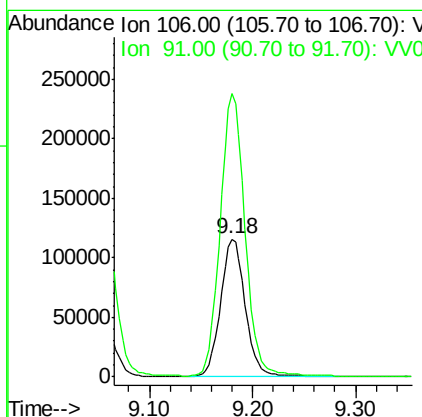
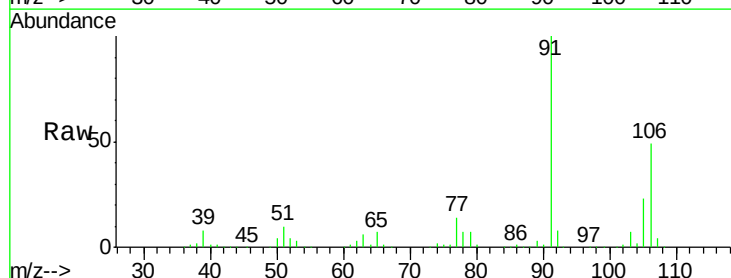
MMDadoda

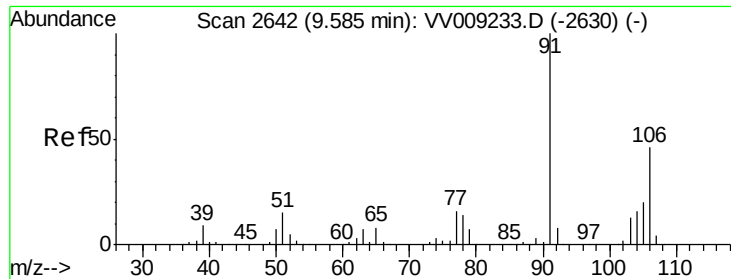
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#68
m/p-Xylenes
Concen: 95.684 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion: 106 Resp: 190845
Ion Ratio Lower Upper
106 100
91 207.8 167.1 250.7



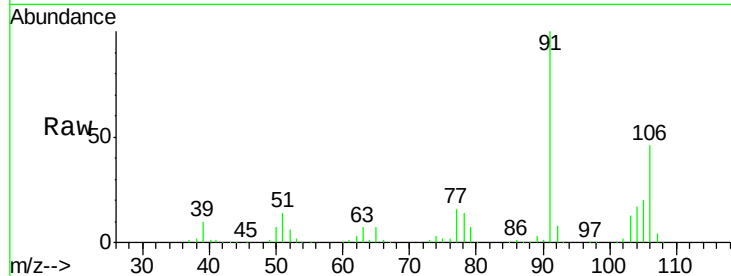


#69
o-Xylene
Concen: 48.577 ug/l
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

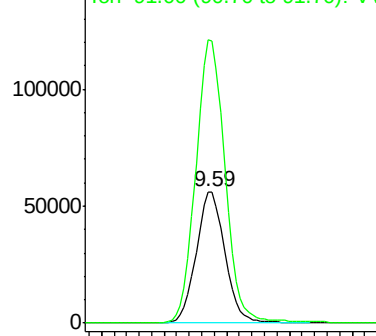
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 89828
Ion Ratio Lower Upper
106 100
91 219.0 109.3 327.8

Manual Integrations
APPROVED

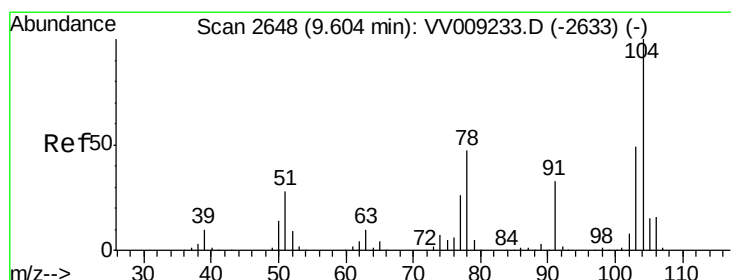
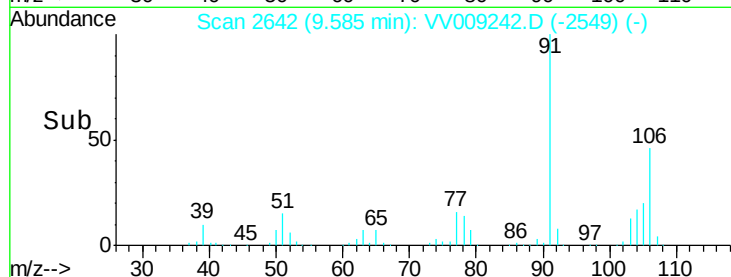


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



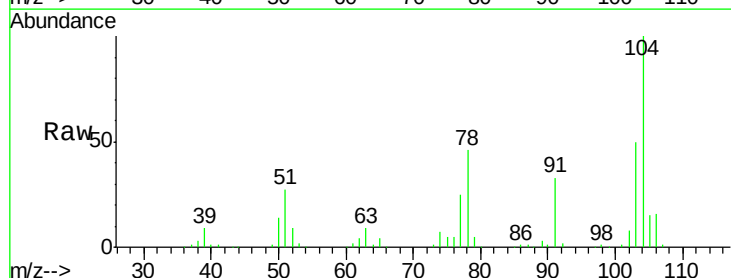
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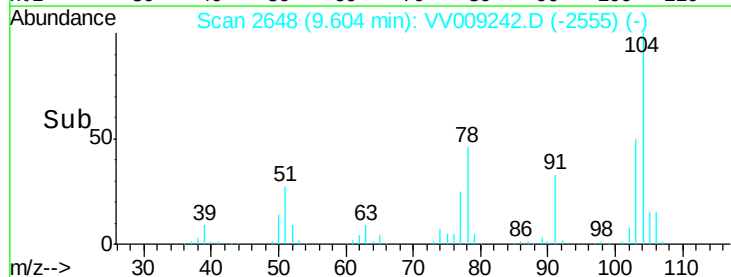
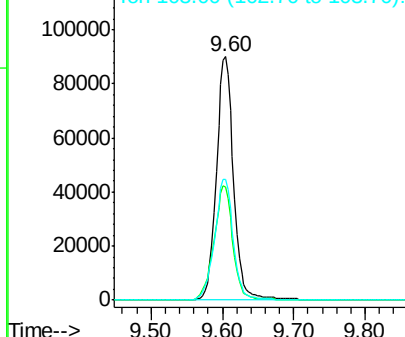


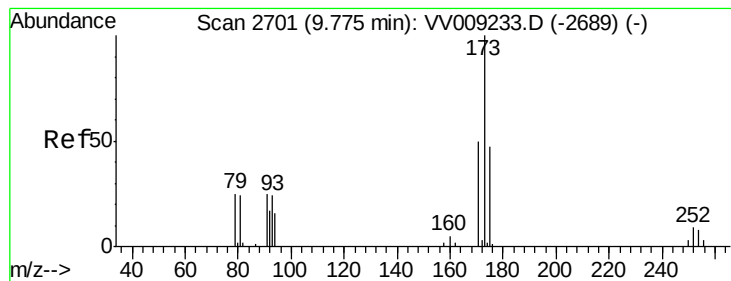
#70
Styrene
Concen: 50.940 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion:104 Resp: 150334
Ion Ratio Lower Upper
104 100
78 51.5 43.1 64.7
103 54.1 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 57.011 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 27096

Ion Ratio Lower Upper

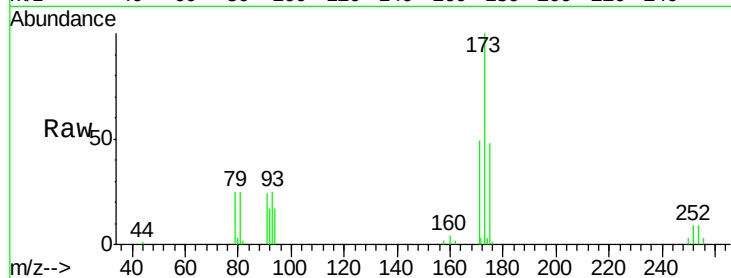
173 100

175 47.2 23.4 70.0

254 0.0 0.0 0.0

Manual Integrations

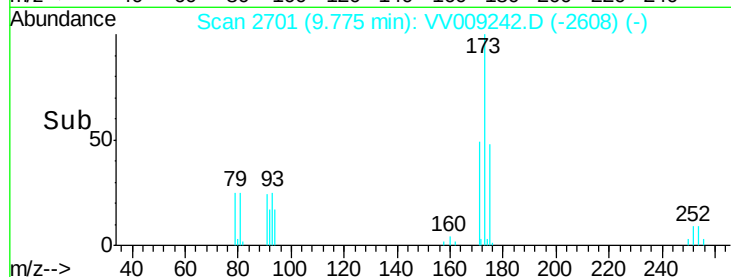
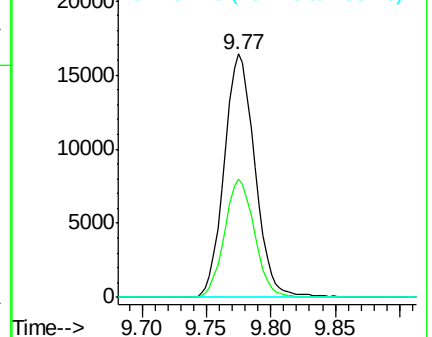
APPROVED



Abundance Ion 172.70 (172.40 to 173.40): V

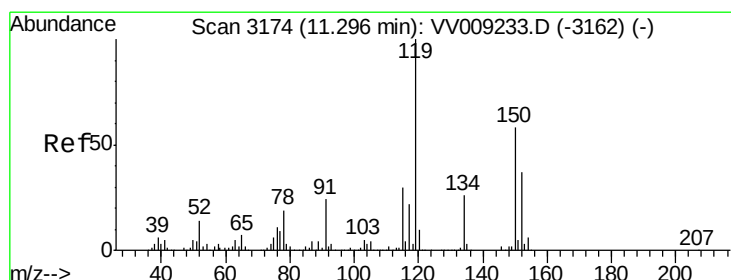
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

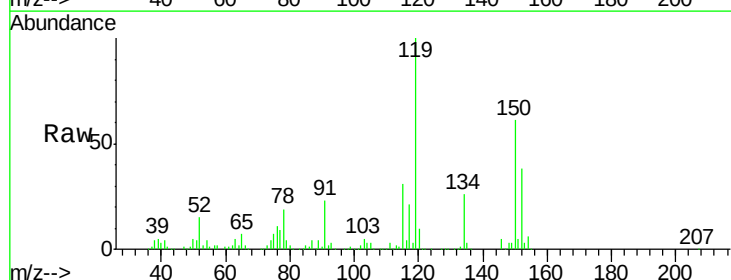
Tgt Ion:152 Resp: 64709

Ion Ratio Lower Upper

152 100

115 89.8 45.0 134.8

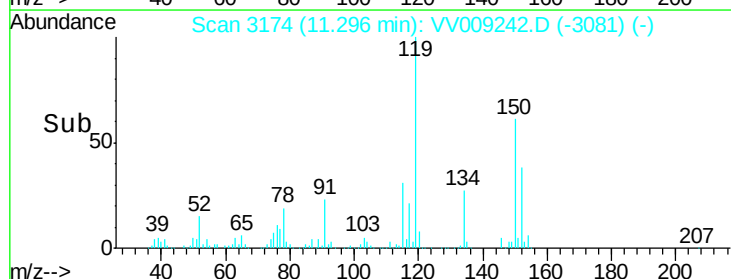
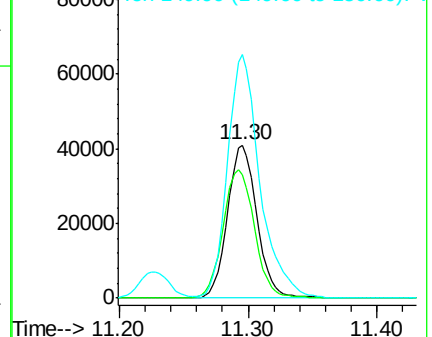
150 176.2 0.0 346.4

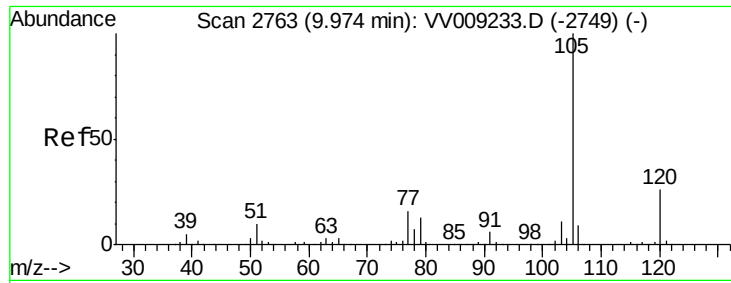


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.669 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 254719

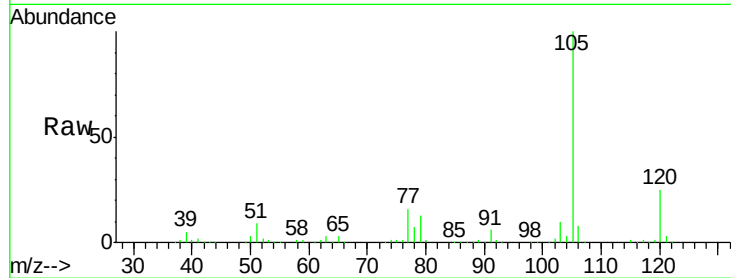
Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7

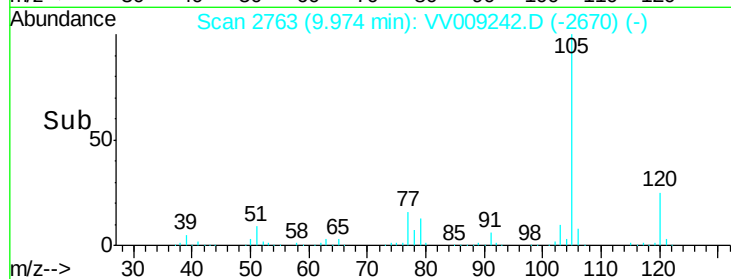
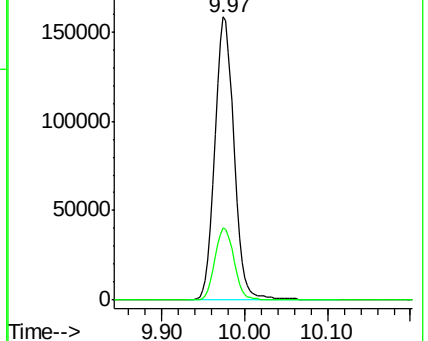
Manual Integrations

APPROVED



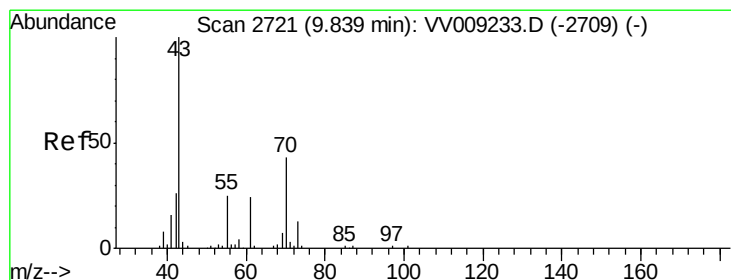
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 58.538 ug/l

RT: 9.84 min Scan# 2720

Delta R.T. -0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Tgt Ion: 43 Resp: 57842

Ion Ratio Lower Upper

43 100

70 40.5 33.0 49.6

55 24.2 18.7 28.1

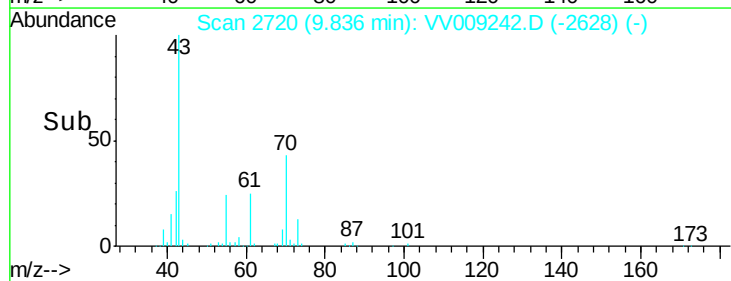
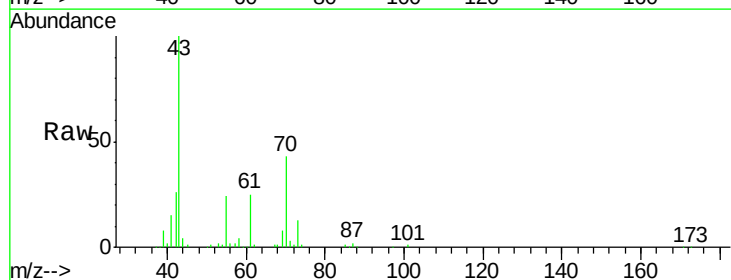
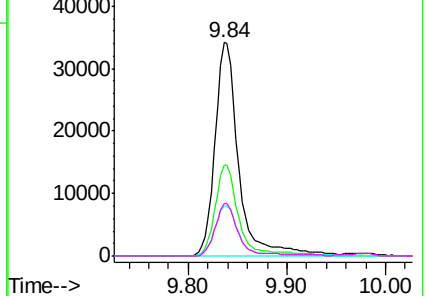
61 23.5 18.0 27.0

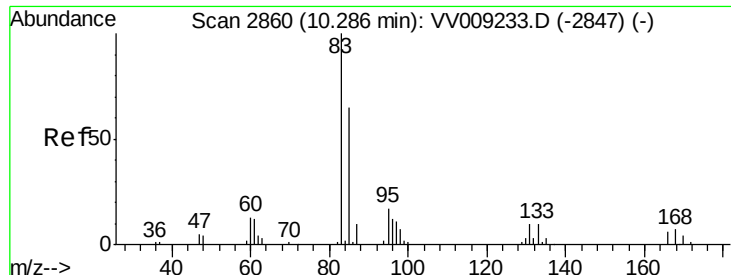
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#75

1,1,2,2-Tetrachloroethane

Concen: 57.061 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

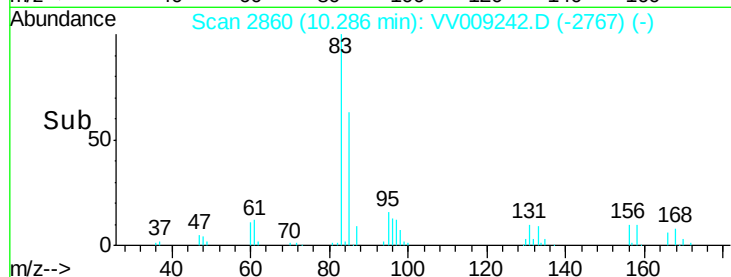
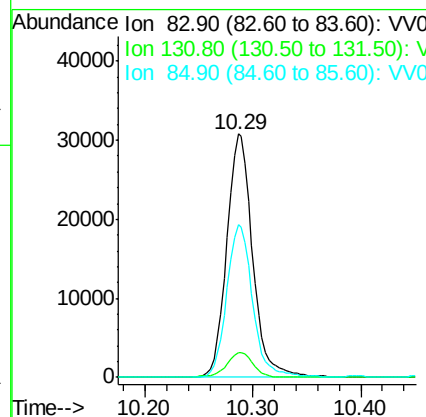
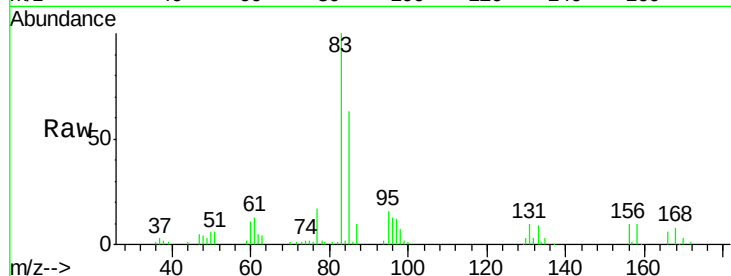
MSVOA_V

ClientSampleId :

VSTDCCC050EC

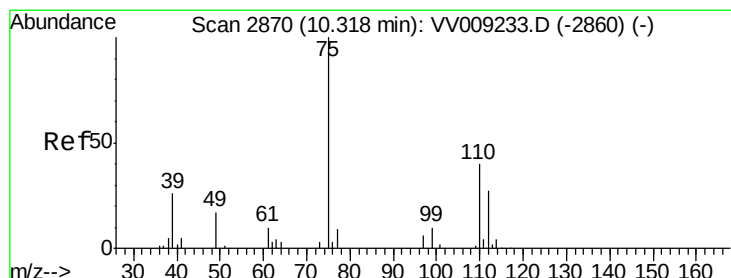
Tot Ion:	83	Resp:	51403
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	62.8	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.350 ug/l m

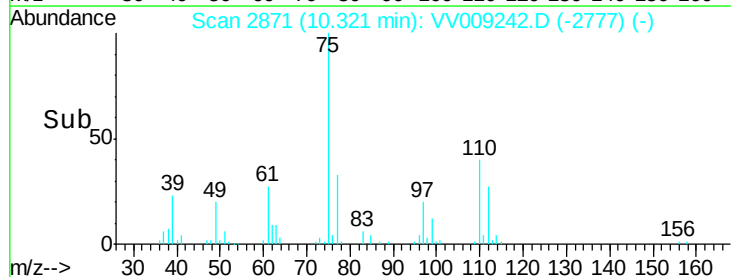
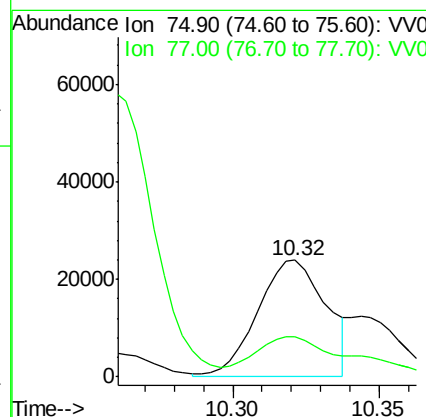
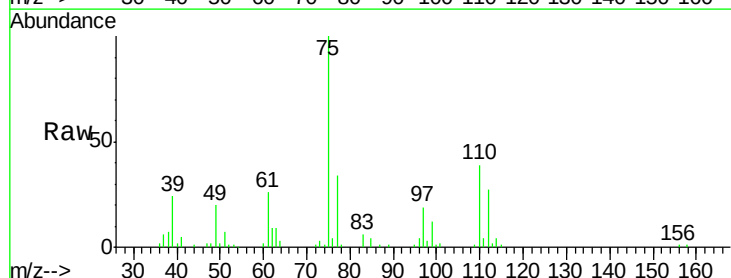
RT: 10.32 min Scan# 2871

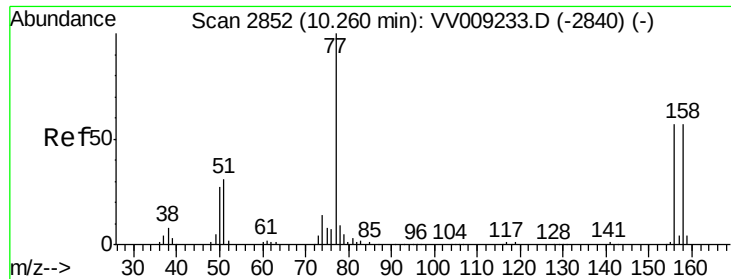
Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Tgt Ion:	75	Resp:	39213
Ion Ratio	Lower	Upper	
75	100		
77	48.2	24.6	73.8





#77

Bromobenzene

Concen: 49.179 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

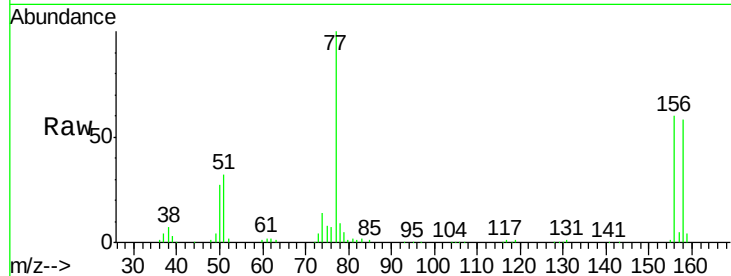
MSVOA_V

ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	56208
Ion	Ratio	Lower	Upper
156	100		
77	168.5	86.0	258.0
158	97.6	49.8	149.3

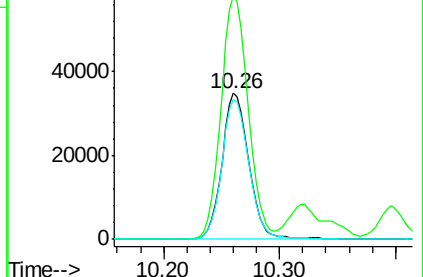
Manual Integrations
APPROVED



Abundance Ion 155.80 (155.50 to 156.50): VV009233.D (-2840) (-)

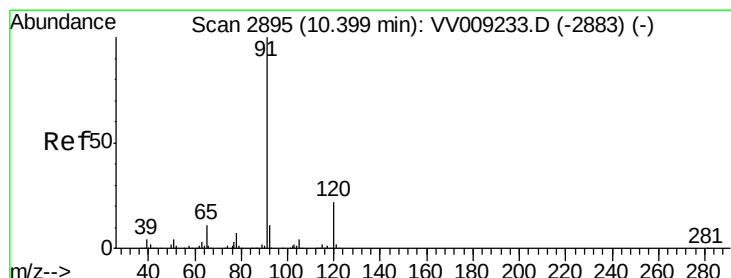
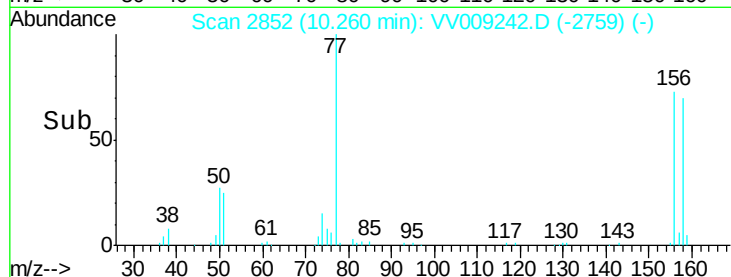
Ion 77.00 (76.70 to 77.70): VV009233.D (-2840) (-)

Ion 157.80 (157.50 to 158.50): VV009233.D (-2840) (-)



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#78

n-propylbenzene

Concen: 47.016 ug/l

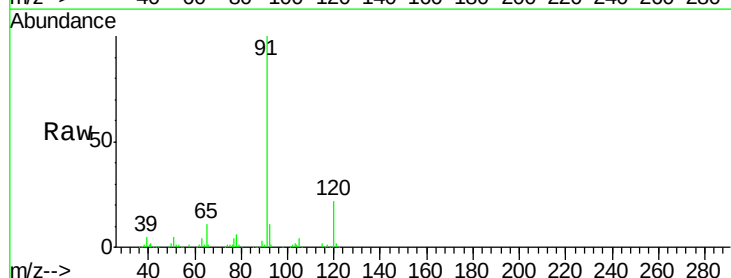
RT: 10.40 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VV009242.D

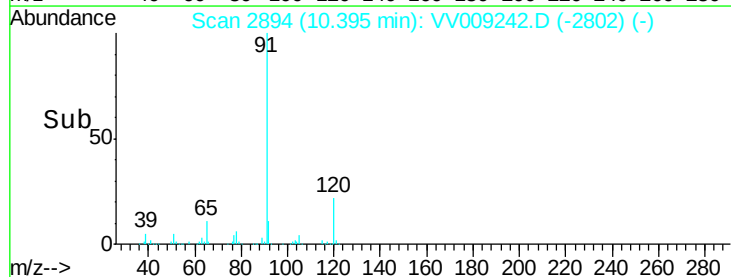
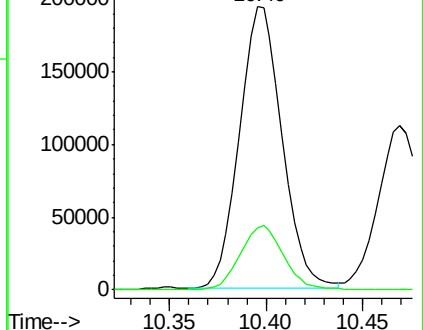
Acq: 22 Jan 2019 19:00

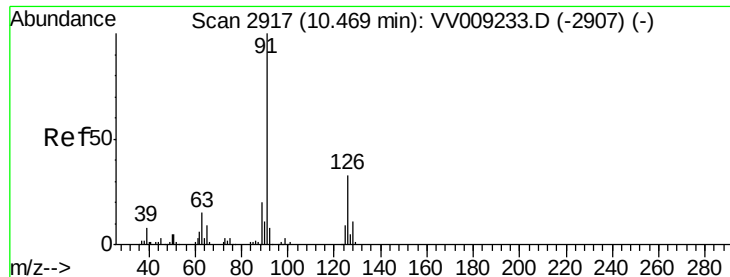
Tgt Ion:	91	Resp:	297830
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2883) (-)

Ion 120.00 (119.70 to 120.70): VV009233.D (-2883) (-)



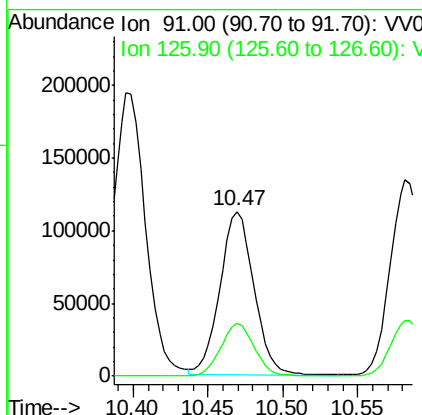
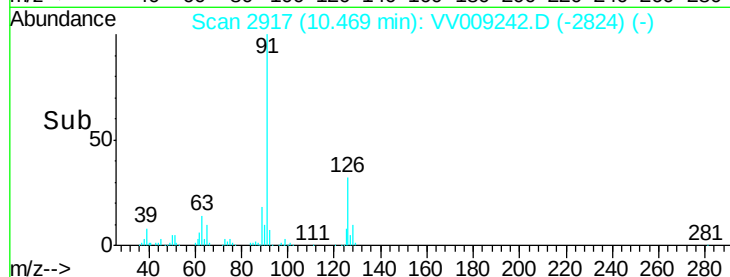
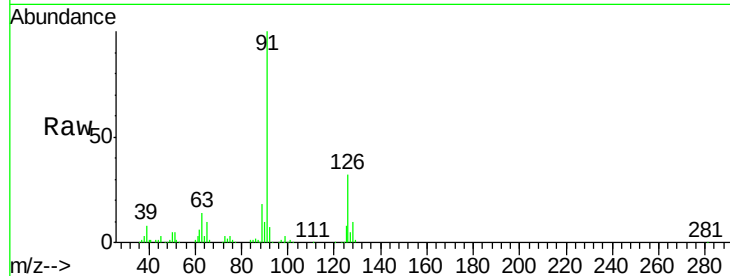


#79
2-Chlorotoluene
Concen: 46.862 ug/l
RT: 10.47 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

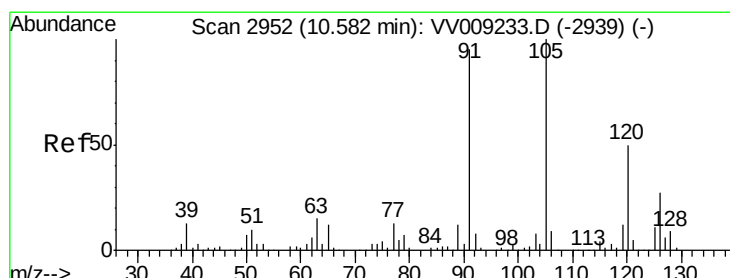
Tot Ion: 91 Resp: 179115
Ion Ratio Lower Upper
91 100
126 32.1 16.2 48.6

Manual Integrations
APPROVED



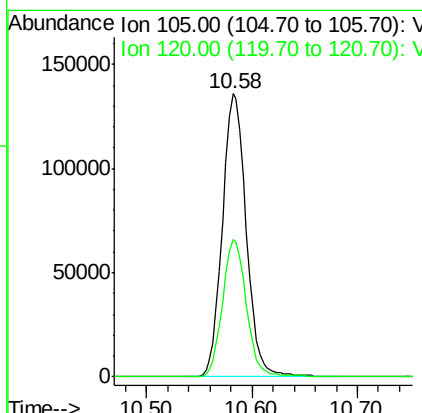
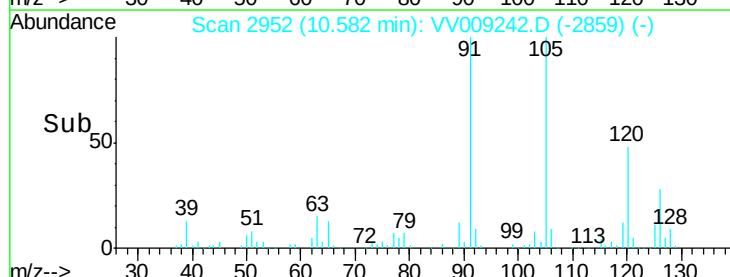
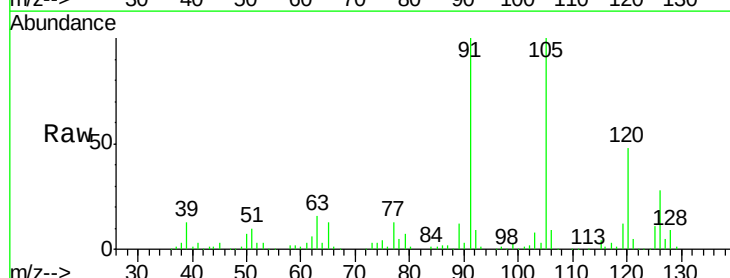
MMDadoda

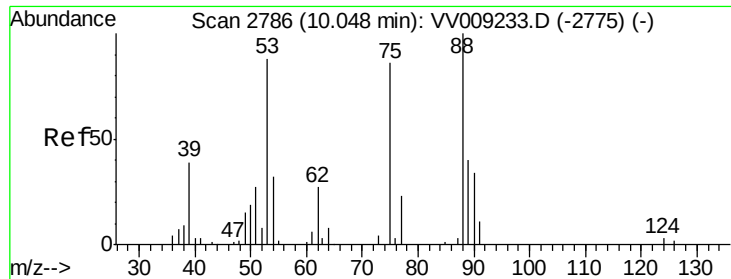
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#80
1,3,5-Trimethylbenzene
Concen: 47.663 ug/l
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion: 105 Resp: 213595
Ion Ratio Lower Upper
105 100
120 48.5 24.3 73.0



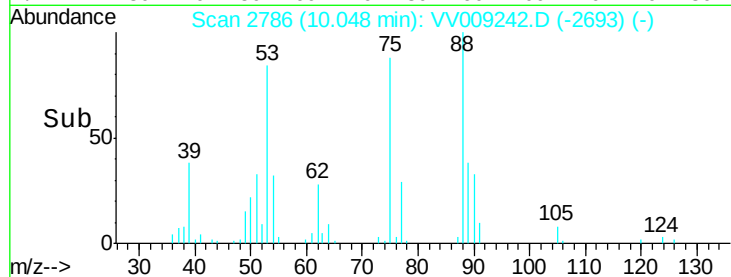
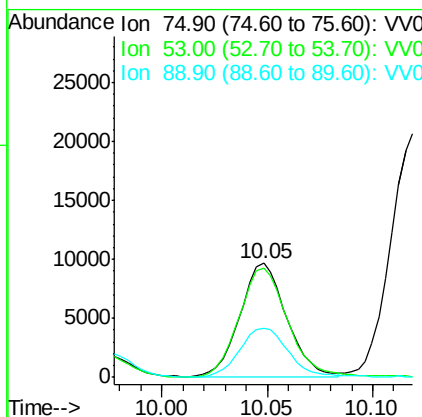
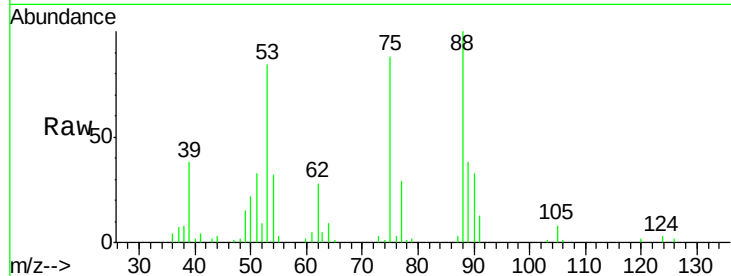


#81
trans-1,4-Dichloro-2-butene
Concen: 60.065 ug/l
RT: 10.05 min Scan# 2786
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

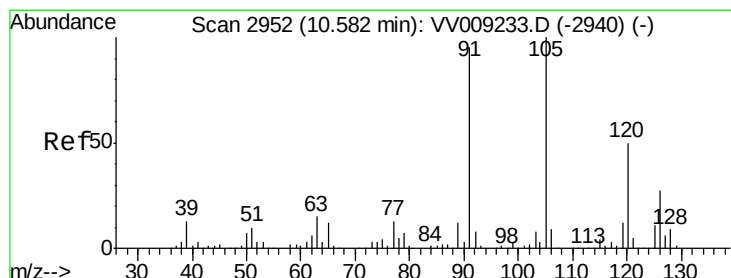
Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	82.1	123.1
89	45.1	36.2	54.4

Manual Integrations
APPROVED



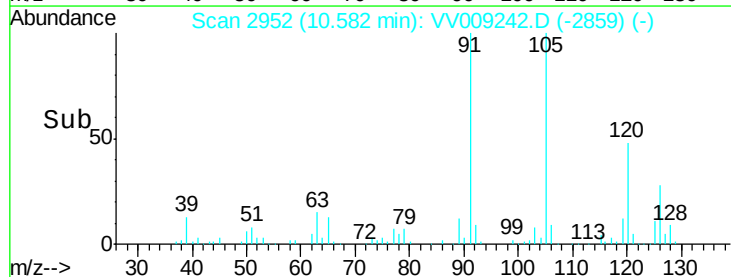
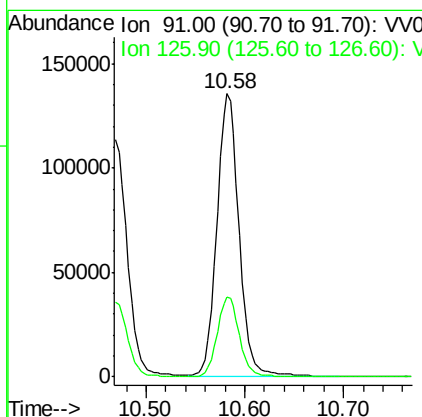
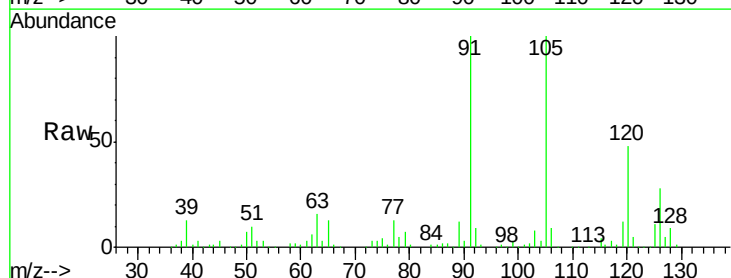
MMDadoda

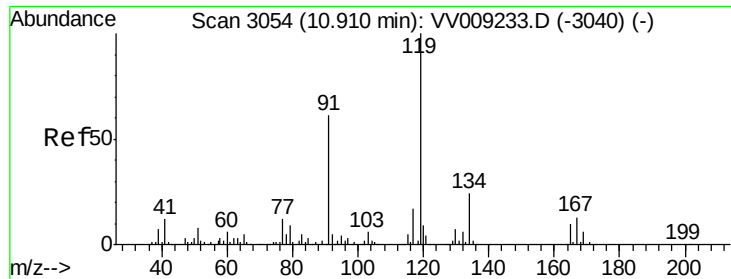
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#82
4-Chlorotoluene
Concen: 47.640 ug/l
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.3	42.9



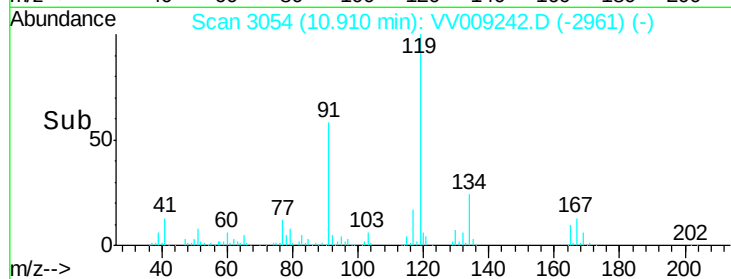
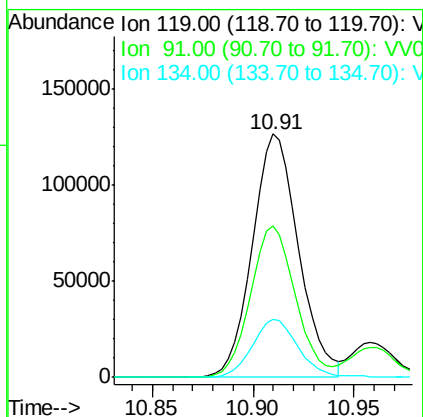
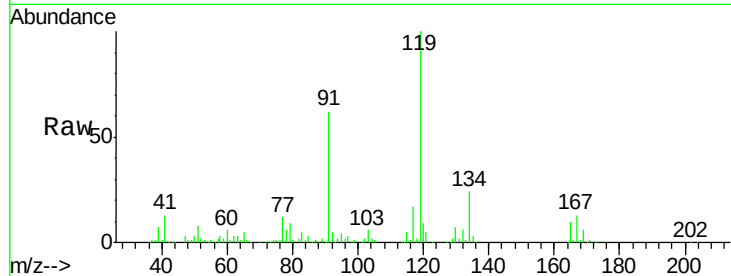


#83
 tert-Butylbenzene
 Concen: 47.466 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

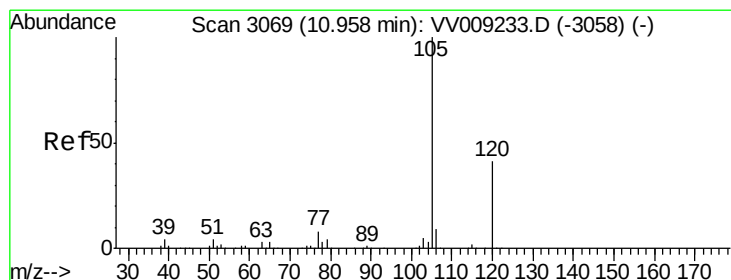
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.0	90.1
134	23.8	11.9	35.7

Manual Integrations
 APPROVED



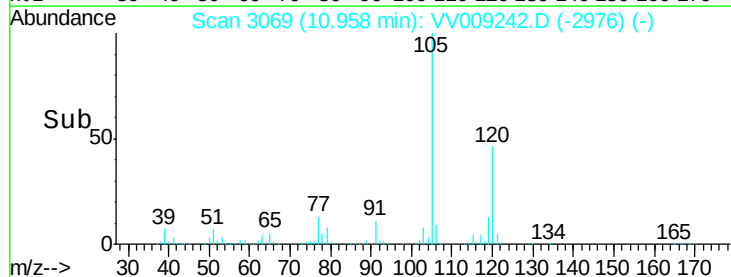
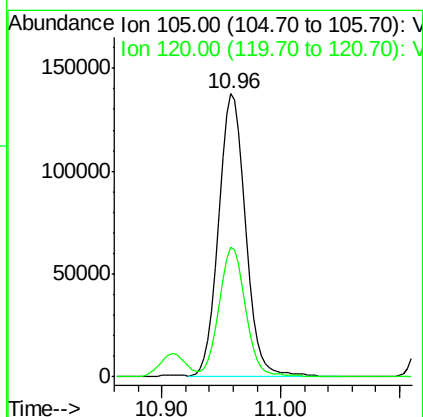
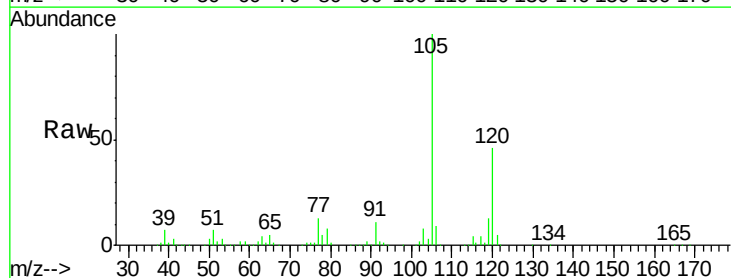
MMDadoda

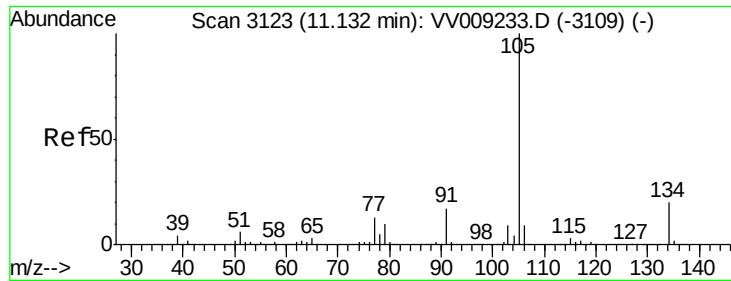
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.085 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.7



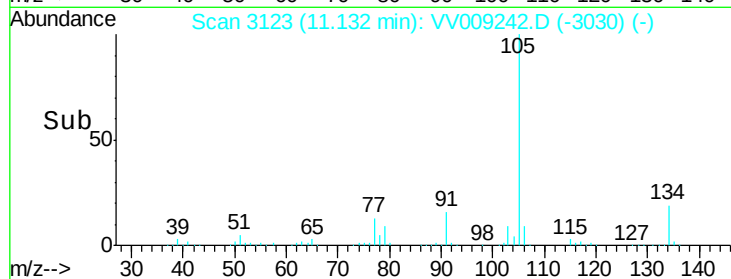
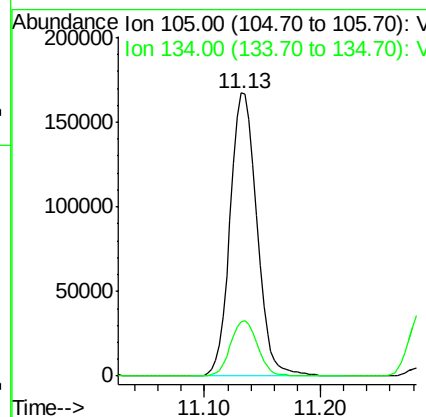
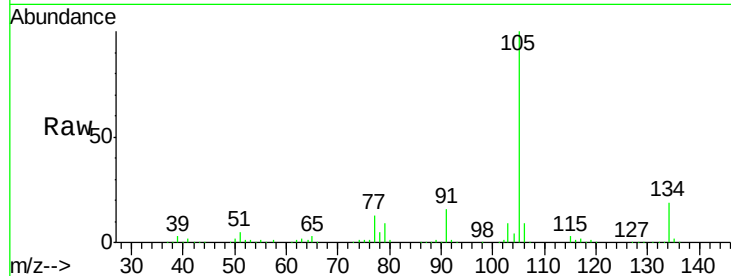


#85
 sec-Butylbenzene
 Concen: 48.001 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

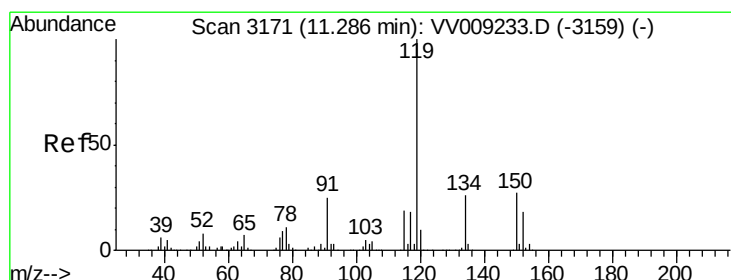
Tot Ion:105 Resp: 268278
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.3

Manual Integrations
 APPROVED



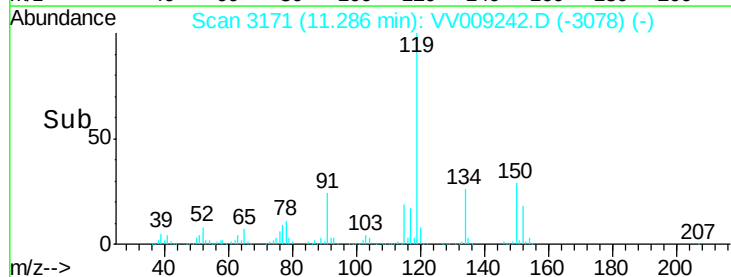
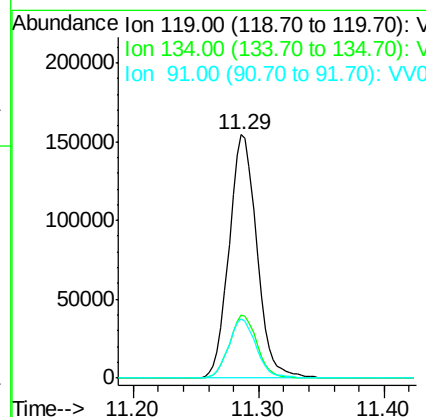
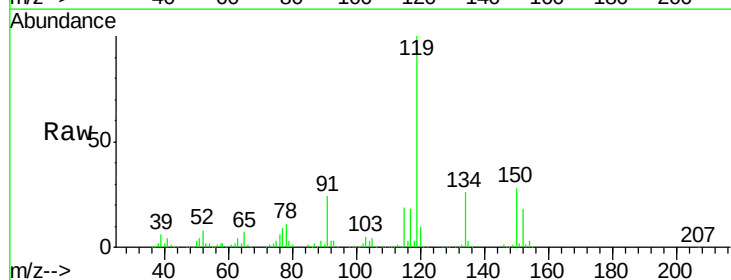
MMDadoda

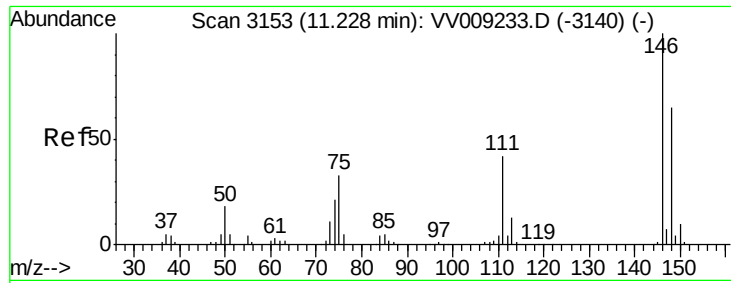
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#86
 p-Isopropyltoluene
 Concen: 48.477 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Tgt Ion:119 Resp: 237230
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 24.2 12.4 37.2



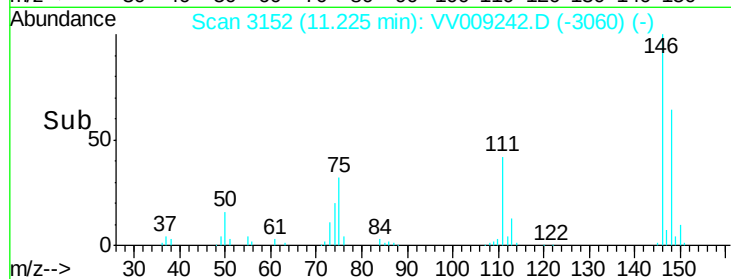
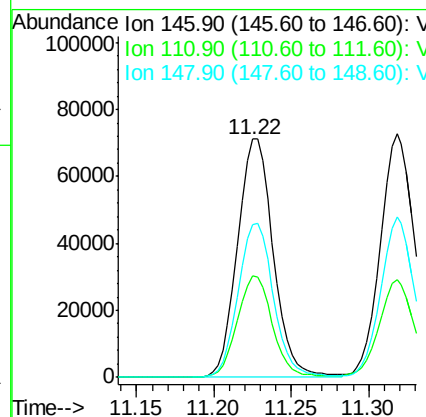
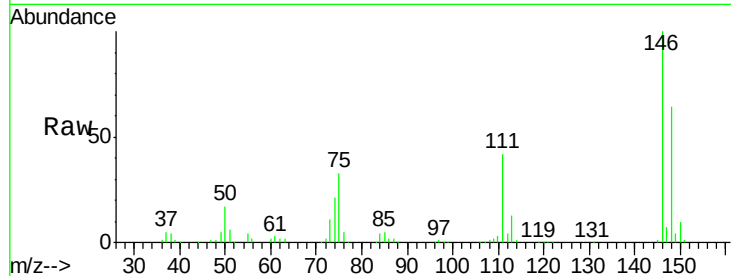


#87
 1,3-Dichlorobenzene
 Concen: 48.211 ug/l
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

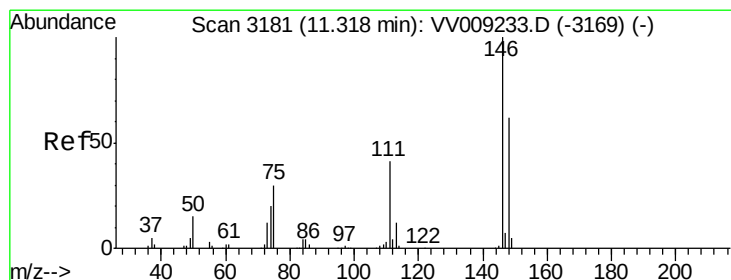
Tot Ion:	146	Resp:	114411
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.1	63.4
148	63.9	32.1	96.3

Manual Integrations
 APPROVED



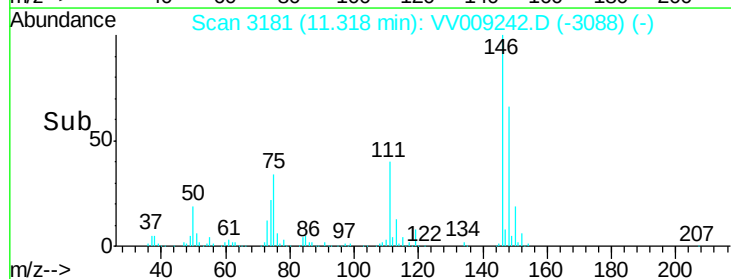
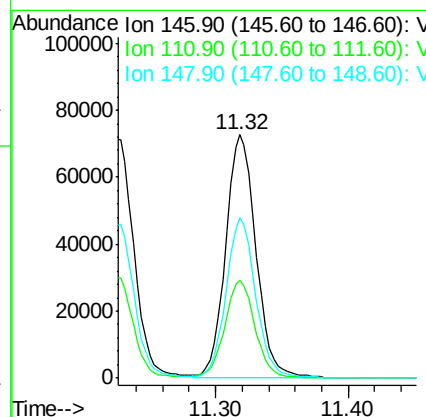
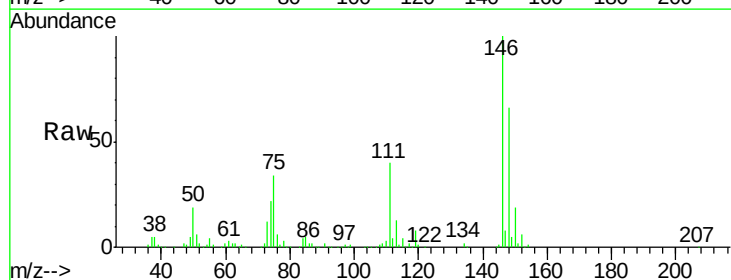
MMDadoda

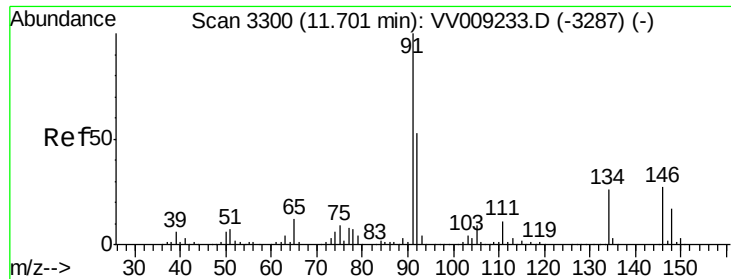
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#88
 1,4-Dichlorobenzene
 Concen: 48.118 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009242.D
 Acq: 22 Jan 2019 19:00

Tgt Ion:	146	Resp:	115439
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.5	61.5
148	64.7	31.4	94.3





#89

n-Butylbenzene

Concen: 48.136 ug/l

RT: 11.70 min Scan# 3300

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

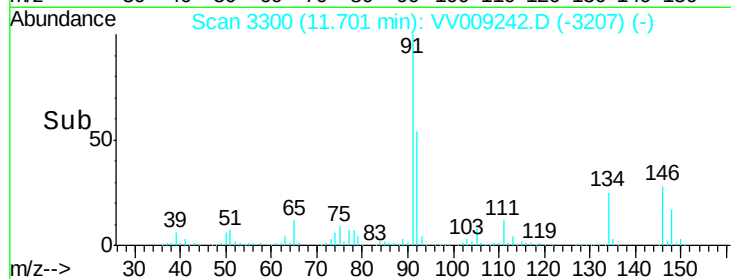
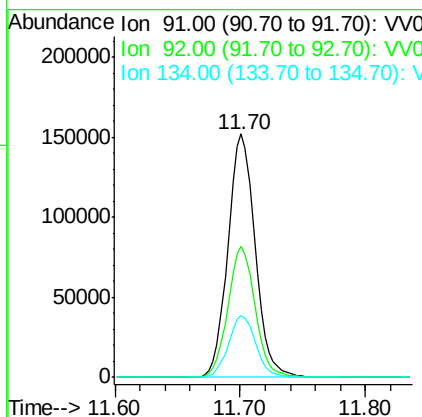
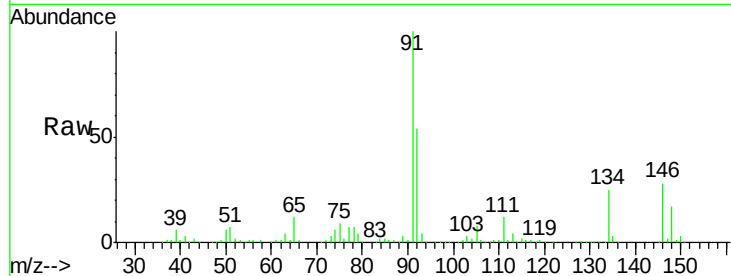
MSVOA_V

ClientSampleId :

VSTDCCC050EC

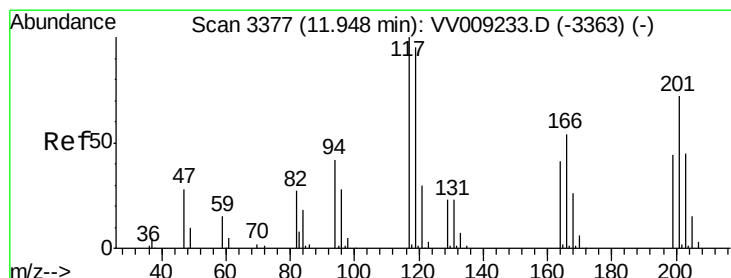
Tot Ion:	91	Resp:	228648
Ion Ratio	Lower	Upper	
91	100		
92	53.8	27.2	81.5
134	25.4	12.6	37.8

Manual Integrations
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#90

Hexachloroethane

Concen: 47.883 ug/l

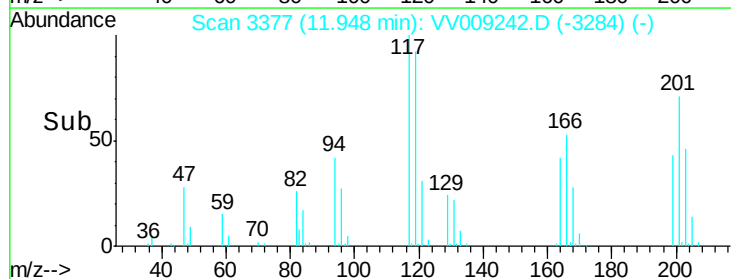
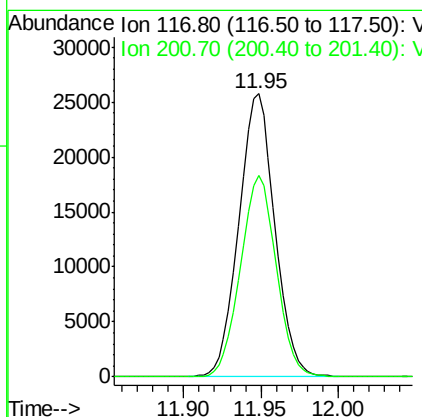
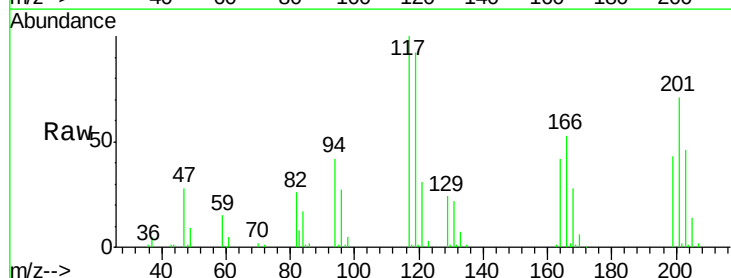
RT: 11.95 min Scan# 3377

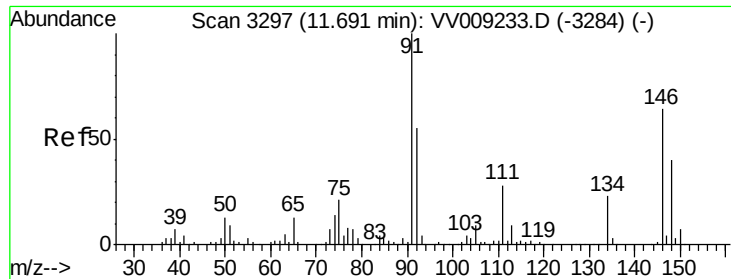
Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Tgt Ion:	117	Resp:	41669
Ion Ratio	Lower	Upper	
117	100		
201	70.6	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 49.506 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 103709

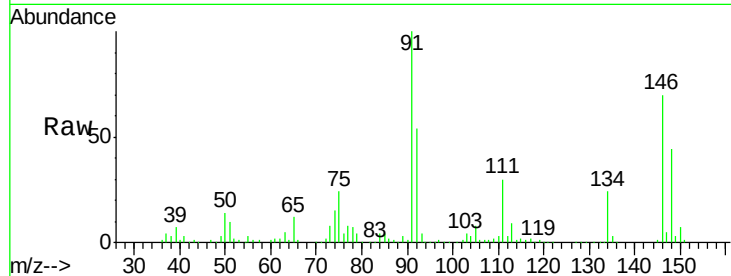
Ion Ratio Lower Upper

146 100

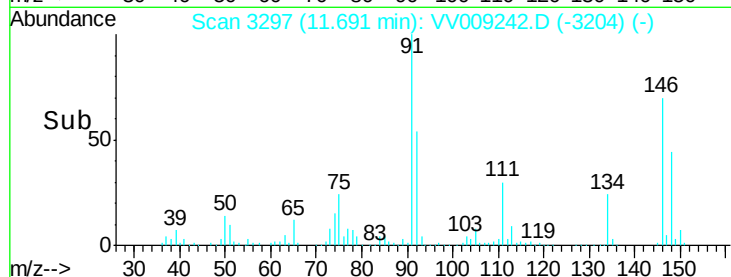
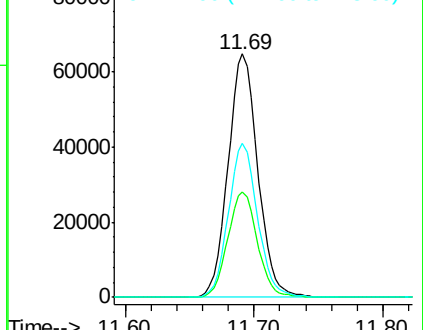
111 43.1 21.9 65.8

148 61.9 31.6 95.0

Manual Integrations
APPROVED

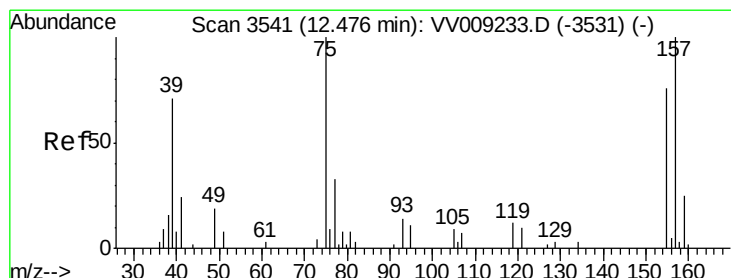


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



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#92

1,2-Dibromo-3-Chloropropane

Concen: 60.151 ug/l

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009242.D

Acq: 22 Jan 2019 19:00

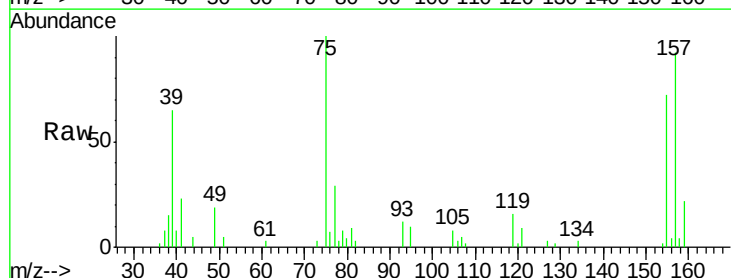
Tgt Ion: 75 Resp: 9097

Ion Ratio Lower Upper

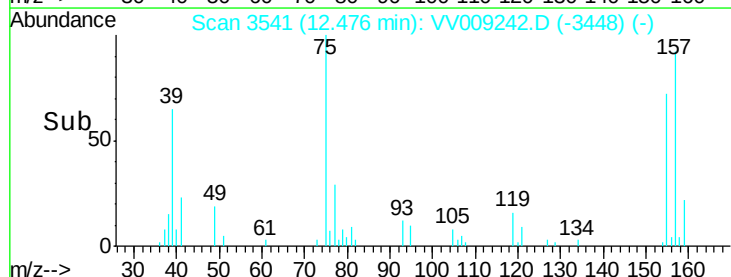
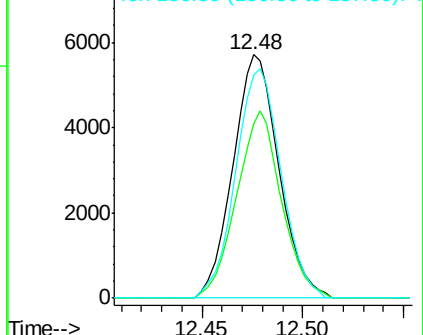
75 100

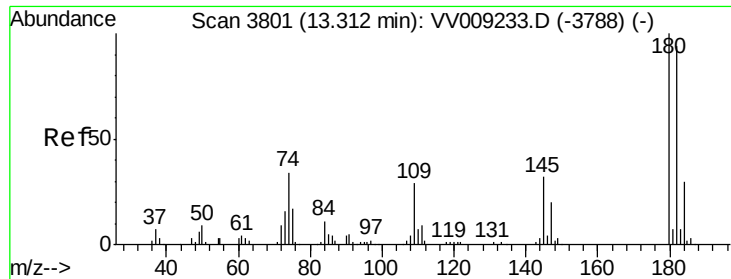
155 75.0 38.0 114.0

157 93.5 50.8 152.4



Abundance Ion 74.90 (74.60 to 75.60): VV0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



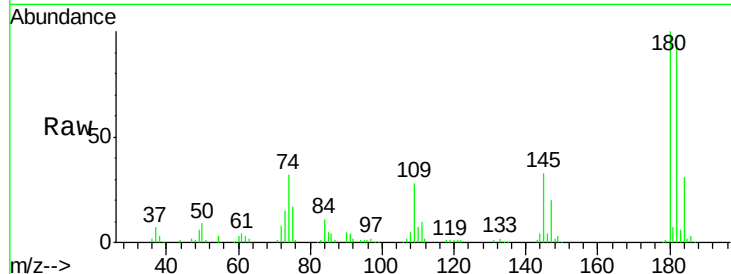


#93
1,2,4-Trichlorobenzene
Concen: 50.876 ug/l
RT: 13.31 min Scan# 3801
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

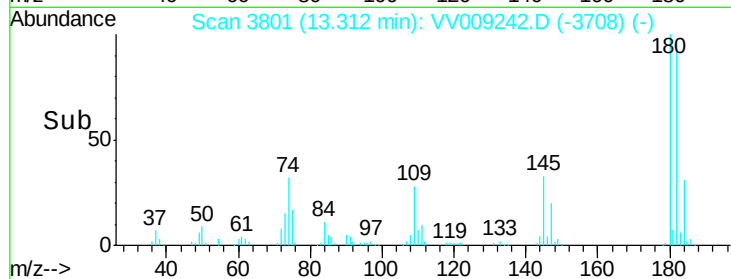
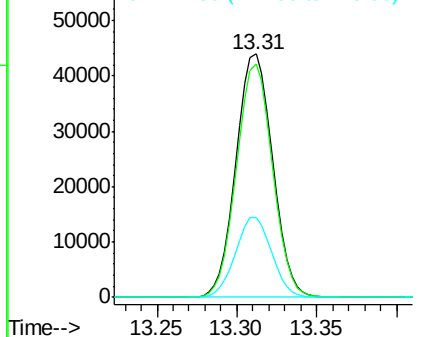
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.4
145	32.4	16.0	48.0

Manual Integrations
APPROVED

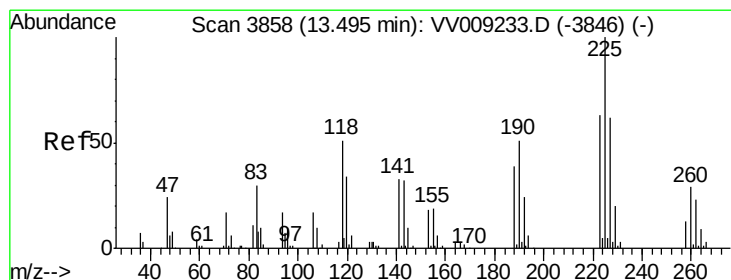


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



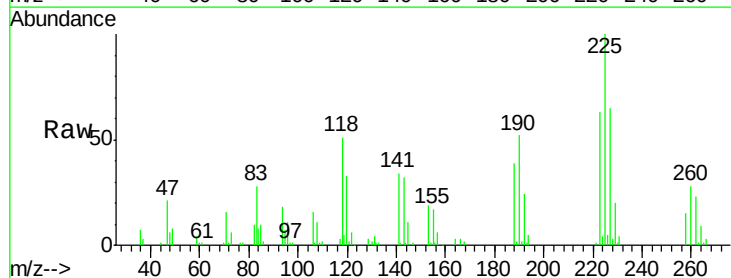
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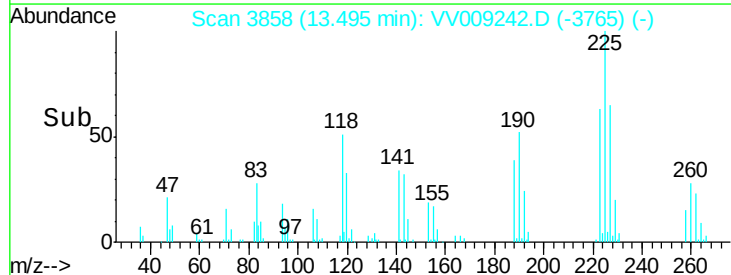
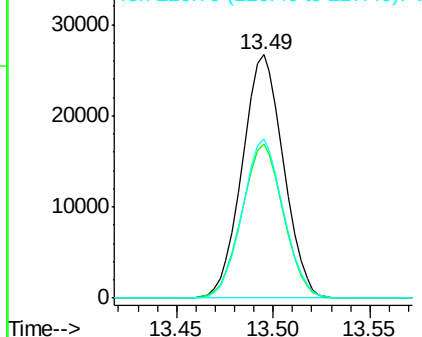


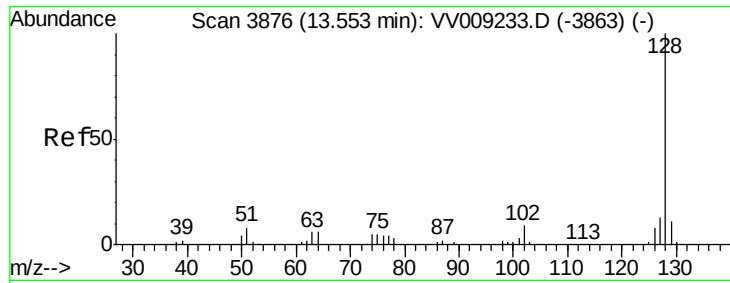
#94
Hexachlorobutadiene
Concen: 47.555 ug/l
RT: 13.49 min Scan# 3858
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.9	31.6	95.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



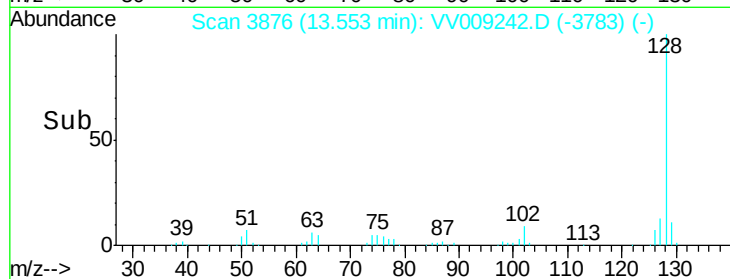
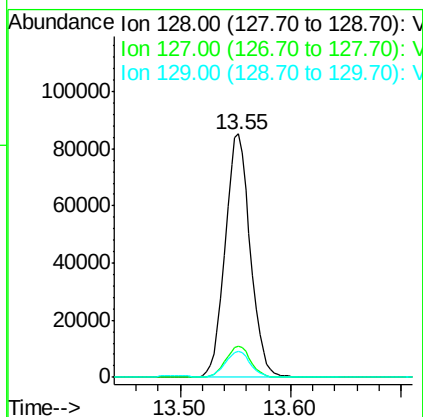
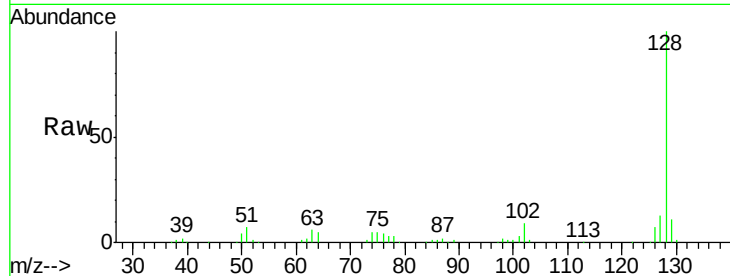


#95
Naphthalene
Concen: 57.760 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050EC

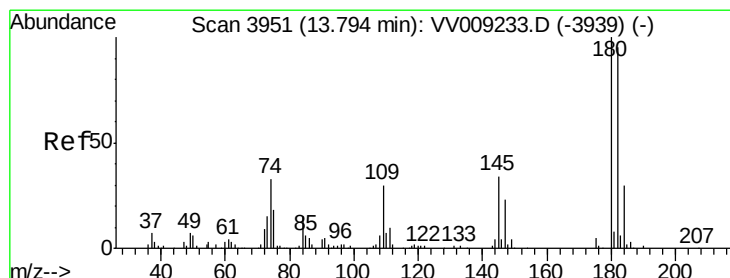
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.6	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.908 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009242.D
Acq: 22 Jan 2019 19:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.2
145	33.8	17.2	51.5

