

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009240.D
 Acq On : 22 Jan 2019 18:04
 Operator : SY/MD
 Sample : VV0122SBS01
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:43 AM

Quant Time: Jan 23 01:58:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:54:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	92279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	159287	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	145461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	72497	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	56455	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	4.64	113	49884	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	7.36	98	194872	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	10.12	95	72906	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	13658	18.298	ug/l	99
3) Chloromethane	1.25	50	19852	19.758	ug/l	98
4) Vinyl Chloride	1.32	62	21647	18.962	ug/l	97
5) Bromomethane	1.52	94	13025	20.119	ug/l	97
6) Chloroethane	1.59	64	12198	19.118	ug/l	95
7) Trichlorofluoromethane	1.76	101	13446	16.783	ug/l	97
8) Diethyl Ether	1.96	74	10346	20.533	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.14	101	19485	19.573	ug/l	98
10) Methyl Iodide	2.25	142	31189	19.630	ug/l	99
11) Tert butyl alcohol	2.65	59	8548	114.401	ug/l	95
12) 1,1-Dichloroethene	2.13	96	18891	19.328	ug/l	99
13) Acrolein	2.05	56	7160	114.013	ug/l	91
14) Allyl chloride	2.42	41	32198	19.114	ug/l	99
15) Acrylonitrile	2.76	53	22923	105.026	ug/l	97
16) Acetone	2.17	43	28739	94.125	ug/l	95
17) Carbon Disulfide	2.31	76	57543	19.246	ug/l	99
18) Methyl Acetate	2.44	43	15250	18.700	ug/l	99
19) Methyl tert-butyl Ether	2.80	73	30343	20.000	ug/l	98
20) Methylene Chloride	2.52	84	23326	20.692	ug/l	99
21) trans-1,2-Dichloroethene	2.78	96	20746	19.701	ug/l	96
22) Diisopropyl ether	3.32	45	71822	20.023	ug/l	96
23) Vinyl Acetate	3.30	43	201749	103.661	ug/l	98
24) 1,1-Dichloroethane	3.22	63	42778	19.169	ug/l	99
25) 2-Butanone	4.01	43	37348	106.968	ug/l	99
26) 2,2-Dichloropropane	3.94	77	23716	18.883	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	25358	19.925	ug/l	98
28) Bromochloromethane	4.29	49	17635	21.414	ug/l	94
29) Tetrahydrofuran	4.38	42	21887	115.256	ug/l	95
30) Chloroform	4.42	83	43457	19.389	ug/l	99
31) Cyclohexane	4.72	56	39002	19.144	ug/l	94
32) 1,1,1-Trichloroethane	4.65	97	35901	19.004	ug/l	99
36) 1,1-Dichloropropene	4.87	75	32667	18.471	ug/l	100
37) Ethyl Acetate	4.12	43	15033	22.118	ug/l	98
38) Carbon Tetrachloride	4.87	117	33539	18.943	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	40315	19.250	ug/l	98
40) Benzene	5.14	78	94722	19.150	ug/l	99
41) Methacrylonitrile	4.30	41	8492	20.731	ug/l	97
42) 1,2-Dichloroethane	5.17	62	29924	19.330	ug/l	99
43) Isopropyl Acetate	5.32	43	28573	21.373	ug/l	98
44) Trichloroethene	5.96	130	24345	18.704	ug/l	98
45) 1,2-Dichloropropane	6.22	63	23275	19.562	ug/l	96
46) Dibromomethane	6.35	93	12455	20.401	ug/l	97
47) Bromodichloromethane	6.55	83	30868	19.134	ug/l	95
48) Methyl methacrylate	6.42	41	13954	20.455	ug/l	98
49) 1,4-Dioxane	6.41	88	3397	436.813	ug/l	91
51) 4-Methyl-2-Pentanone	7.27	43	69092	101.834	ug/l	100
52) Toluene	7.43	92	59455	19.002	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	30113	19.178	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	34386	19.019	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	17350	20.170	ug/l	97
56) Ethyl methacrylate	7.83	69	20044	20.001	ug/l	95
57) 1,3-Dichloropropane	8.05	76	30966	19.883	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	1094	69.855	ug/l	93
59) 2-Hexanone	8.18	43	51595	105.139	ug/l	97
60) Dibromochloromethane	8.29	129	19292	19.155	ug/l	98
61) 1,2-Dibromoethane	8.40	107	17514	20.821	ug/l	94
64) Tetrachloroethene	8.02	164	20309	19.620	ug/l	99
65) Chlorobenzene	8.92	112	65811	19.447	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	22157	19.158	ug/l	97
67) Ethyl Benzene	9.05	91	114857	19.051	ug/l	99
68) m/p-Xylenes	9.18	106	86285	37.699	ug/l	100
69) o-Xylene	9.59	106	40747	19.203	ug/l	100
70) Styrene	9.60	104	64935	19.174	ug/l	99
71) Bromoform	9.77	173	10635	19.500	ug/l #	95
73) Isopropylbenzene	9.97	105	113071	18.887	ug/l	100
74) N-amyl acetate	9.84	43	22576	20.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	21211	21.016	ug/l	96
76) 1,2,3-Trichloropropane	10.32	75	16660m	20.990	ug/l	
77) Bromobenzene	10.26	156	25022	19.541	ug/l	99
78) n-propylbenzene	10.40	91	134730	18.984	ug/l	99
79) 2-Chlorotoluene	10.47	91	81873	19.120	ug/l	97
80) 1,3,5-Trimethylbenzene	10.58	105	95844	19.090	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	5409	19.285	ug/l	94
82) 4-Chlorotoluene	10.58	91	96707	19.174	ug/l	100
83) tert-Butylbenzene	10.91	119	89678	18.758	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	97367	19.224	ug/l	100
85) sec-Butylbenzene	11.13	105	120052	19.173	ug/l	99
86) p-Isopropyltoluene	11.29	119	103310	18.843	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	51304	19.296	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	51607	19.200	ug/l	99
89) n-Butylbenzene	11.70	91	100398	18.866	ug/l	100
90) Hexachloroethane	11.95	117	18050	18.514	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	45032	19.187	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3453	20.379	ug/l	97

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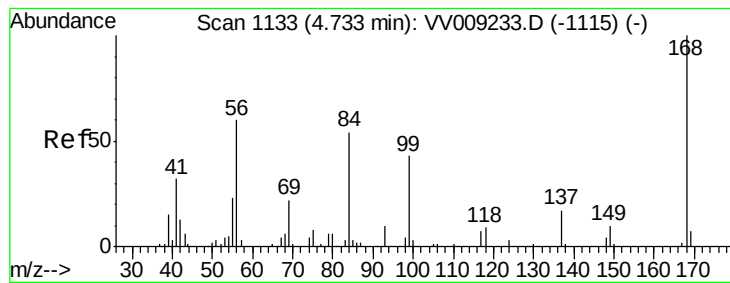
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	28567	18.908	ug/l	99
94) Hexachlorobutadiene	13.49	225	17727	18.931	ug/l	99
95) Naphthalene	13.55	128	49498	18.947	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	24078	18.820	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion:168 Resp: 92279

Ion Ratio Lower Upper

168 100

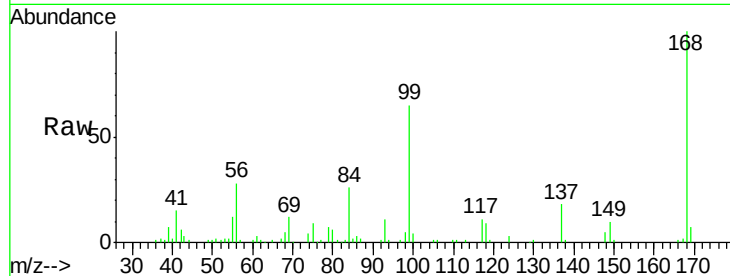
99 64.2 50.9 76.3

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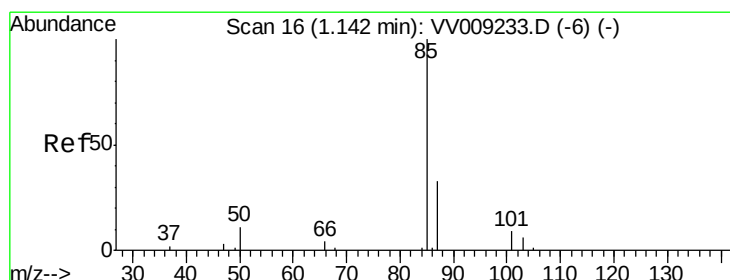
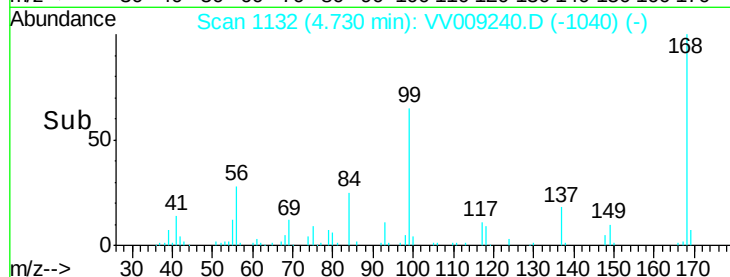
Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

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

4.73

4.70 4.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.298 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009240.D

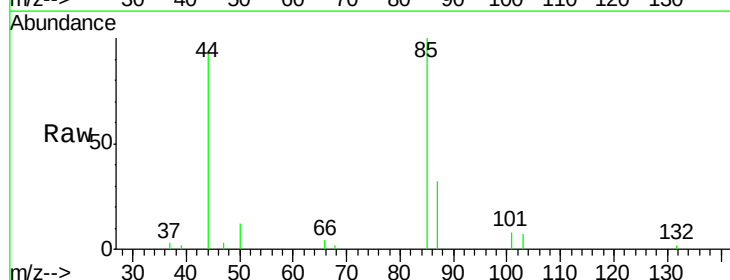
Acq: 22 Jan 2019 18:04

Tgt Ion: 85 Resp: 13658

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.7



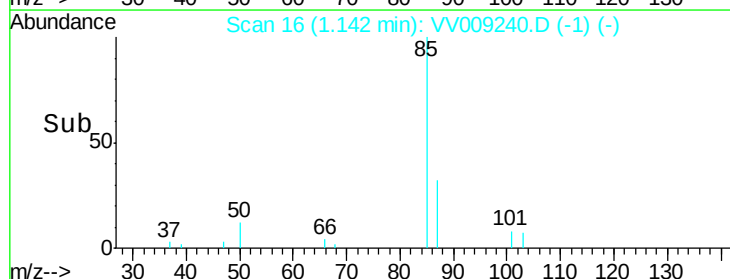
Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

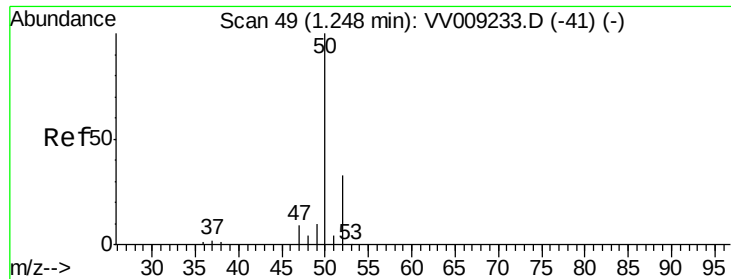
Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)

1.14

1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.758 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 50 Resp: 19852

Ion Ratio Lower Upper

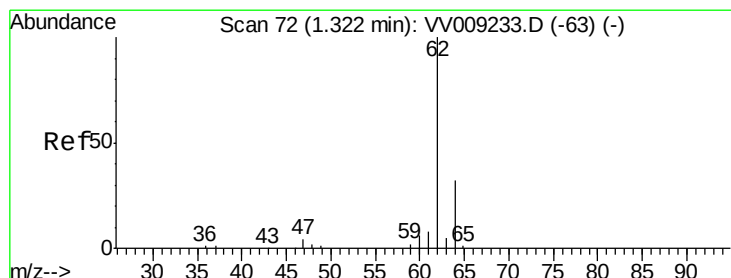
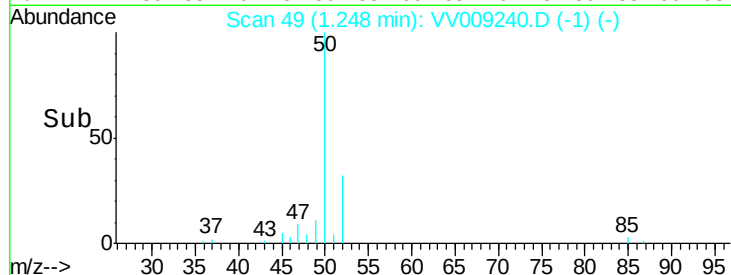
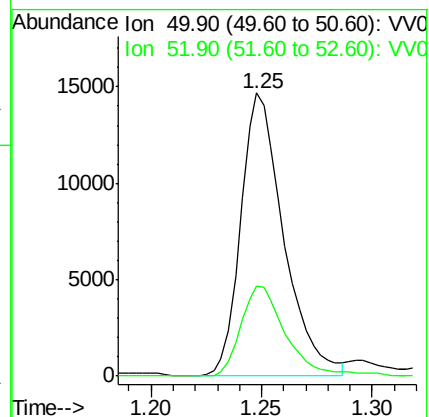
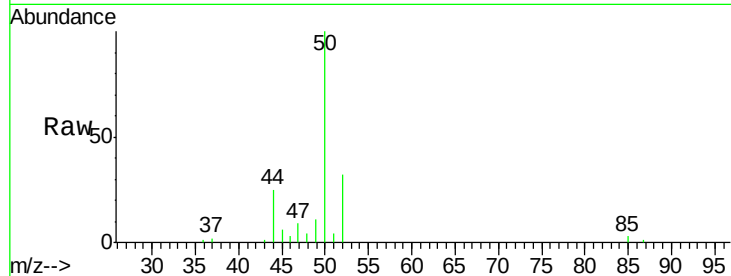
50 100

52 31.8 26.3 39.5

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#4

Vinyl Chloride

Concen: 18.962 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009240.D

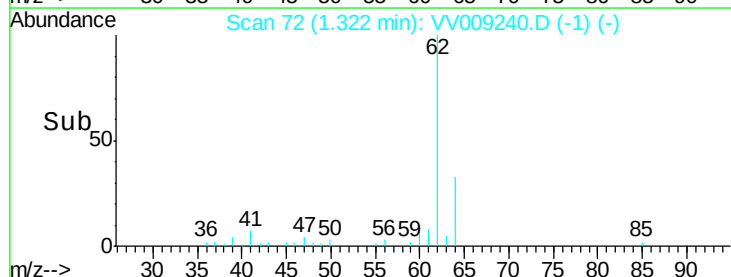
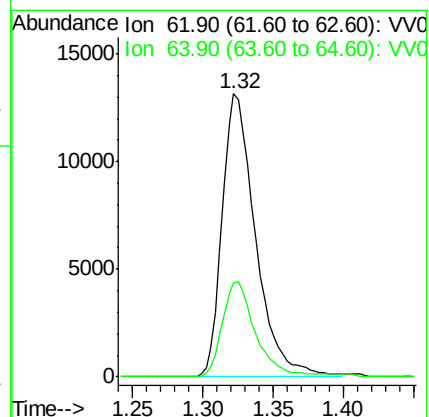
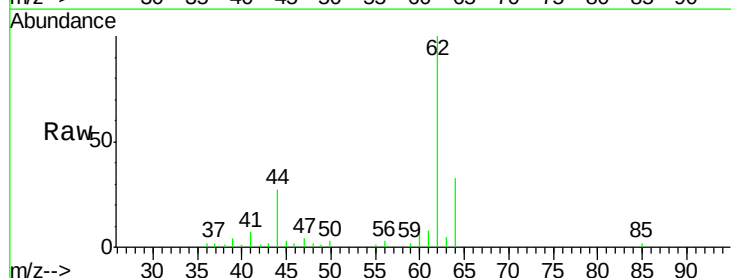
Acq: 22 Jan 2019 18:04

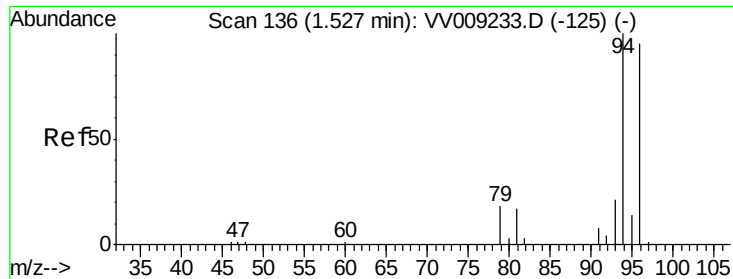
Tgt Ion: 62 Resp: 21647

Ion Ratio Lower Upper

62 100

64 33.4 25.4 38.0





#5

Bromomethane

Concen: 20.119 ug/l

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 94 Resp: 13025

Ion Ratio Lower Upper

94 100

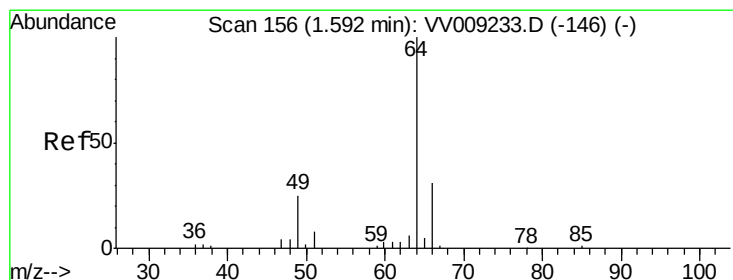
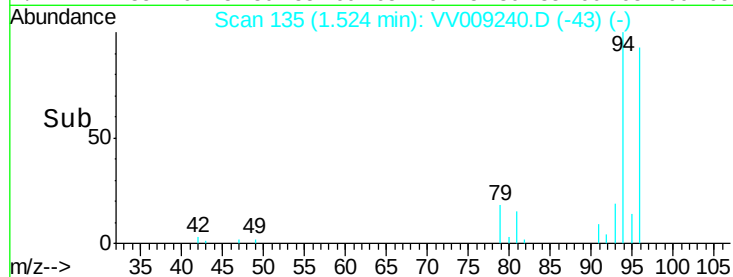
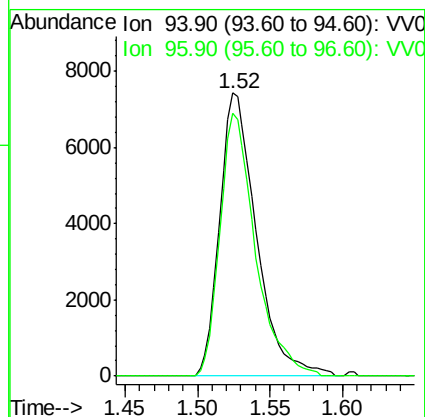
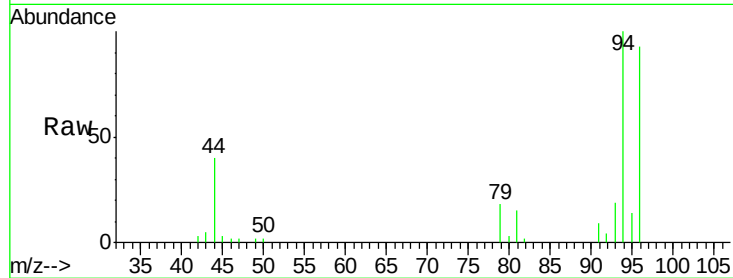
96 92.8 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 19.118 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009240.D

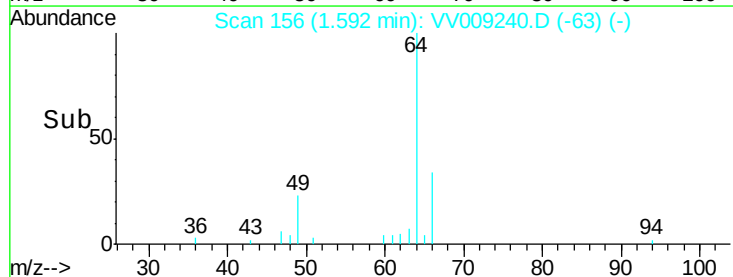
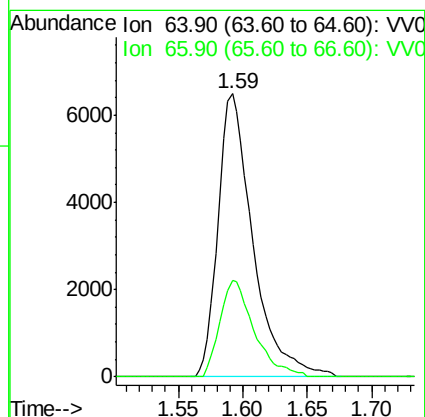
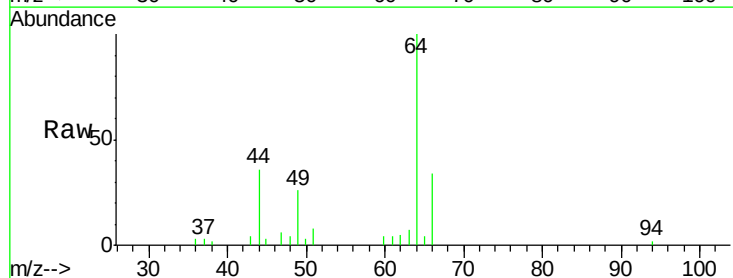
Acq: 22 Jan 2019 18:04

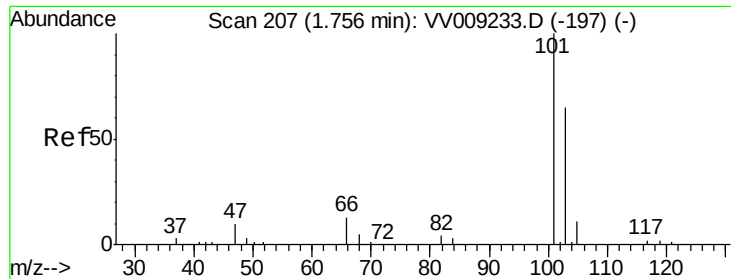
Tgt Ion: 64 Resp: 12198

Ion Ratio Lower Upper

64 100

66 33.9 25.1 37.7





#7

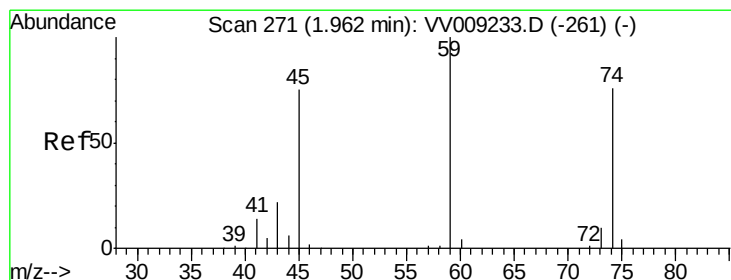
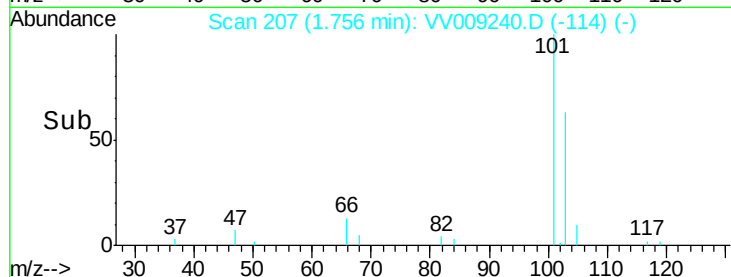
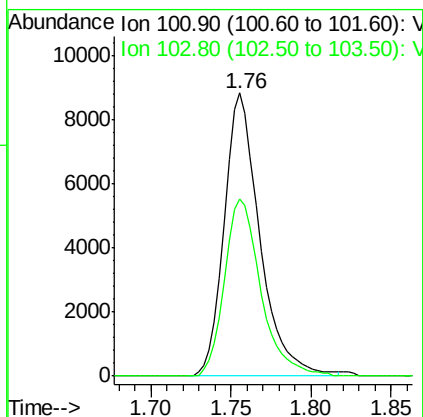
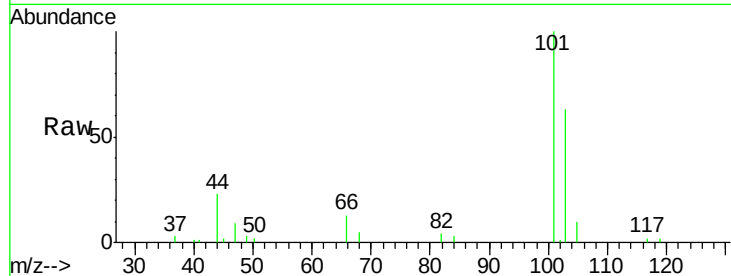
Trichlorofluoromethane
Concen: 16.783 ug/l
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

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ClientSampleId :
VV0122SBS01

Tot Ion:101 Resp: 13446
Ion Ratio Lower Upper
101 100
103 62.6 52.2 78.4

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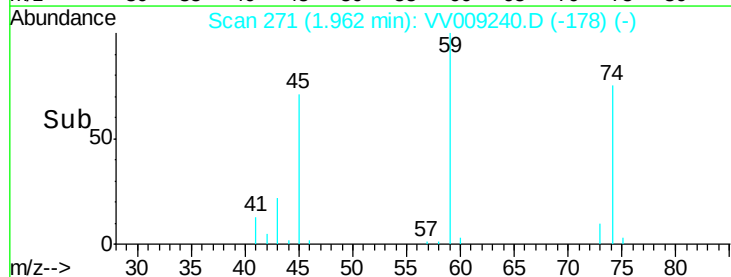
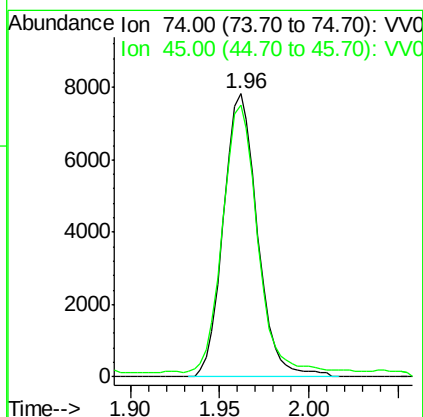
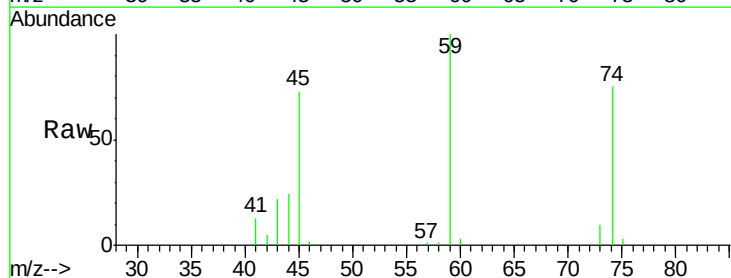
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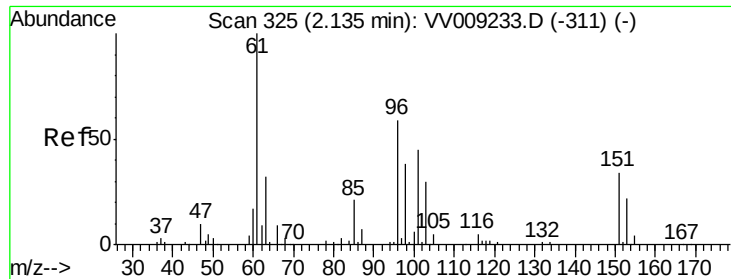


#8

Diethyl Ether
Concen: 20.533 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion: 74 Resp: 10346
Ion Ratio Lower Upper
74 100
45 96.0 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.573 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

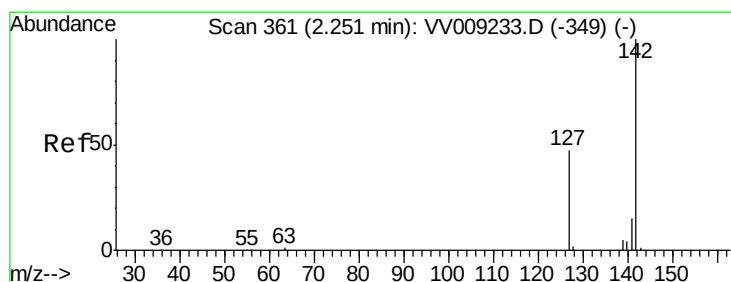
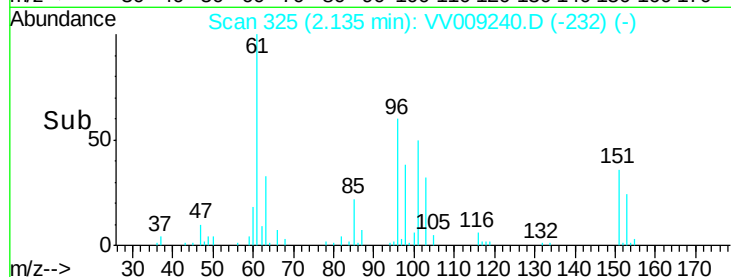
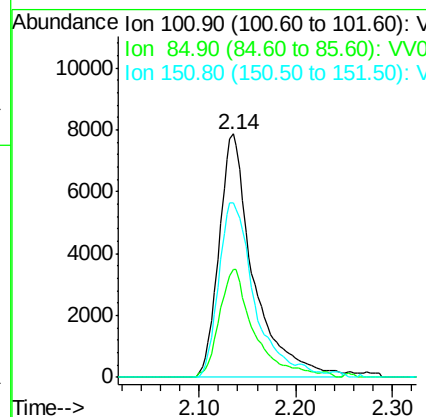
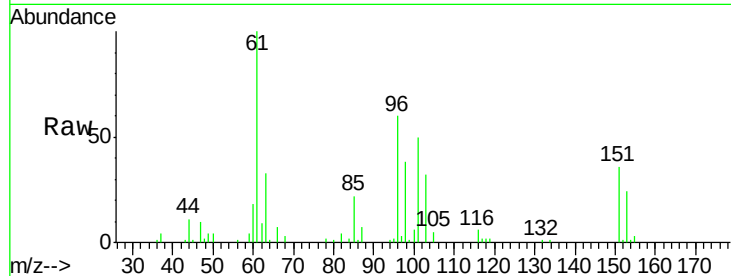
ClientSampleId :

VV0122SBS01

Tot Ion:	101	Resp:	19485
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.3	52.9
151	72.5	60.1	90.1

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#10

Methyl Iodide

Concen: 19.630 ug/l

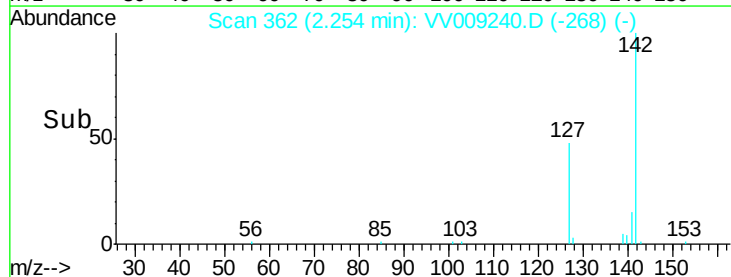
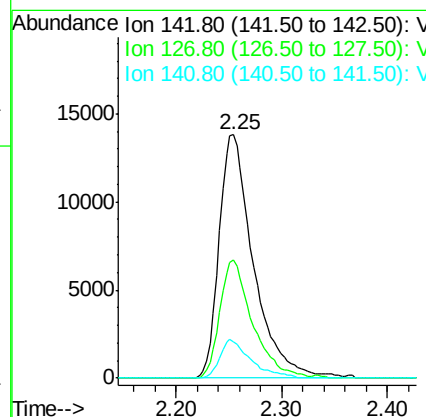
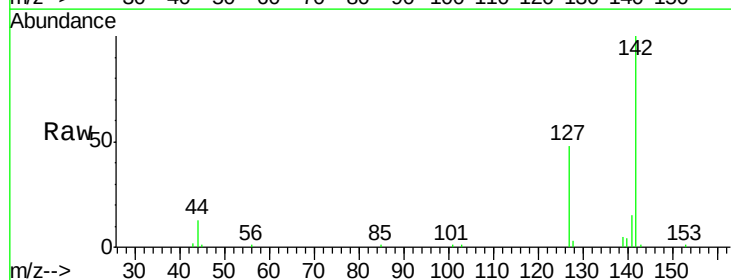
RT: 2.25 min Scan# 362

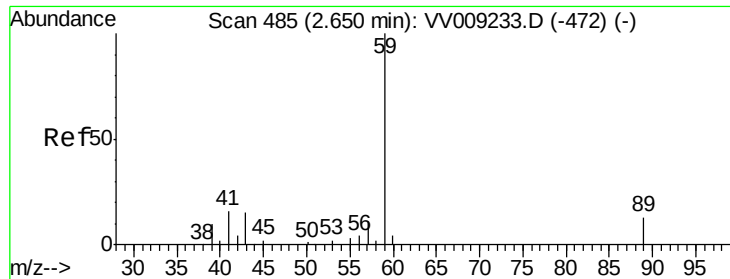
Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion:	142	Resp:	31189
Ion Ratio	Lower	Upper	
142	100		
127	46.4	37.9	56.9
141	14.3	11.7	17.5





#11

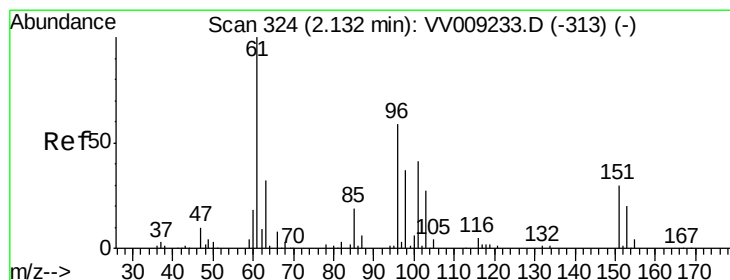
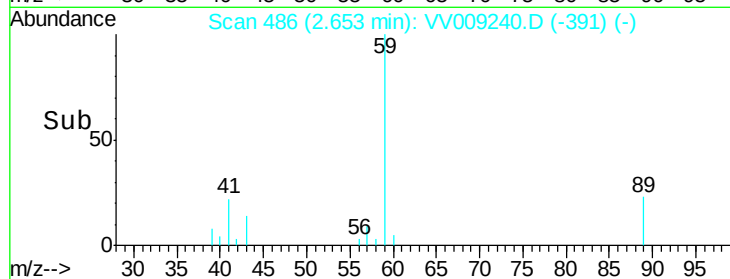
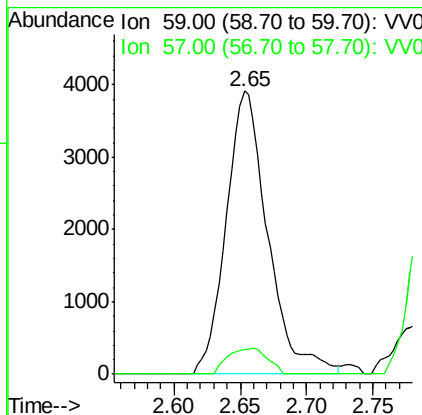
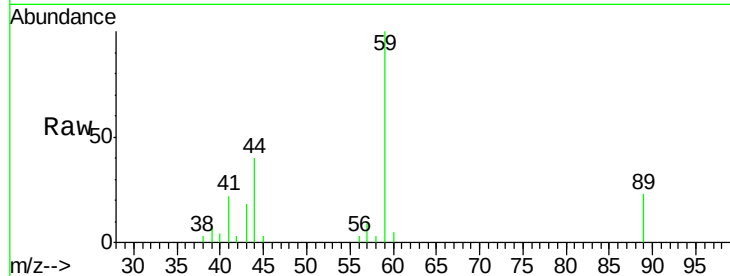
Tert butyl alcohol
 Concen: 114.401 ug/l
 RT: 2.65 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.4	12.6

Manual Integrations
 APPROVED

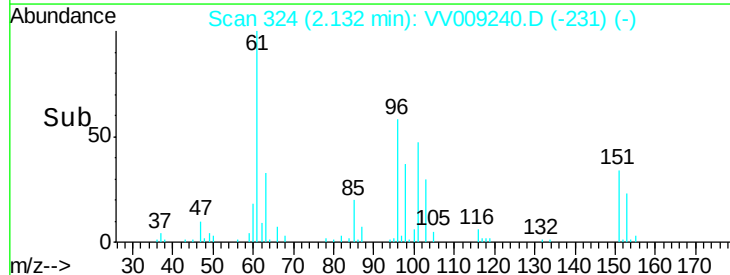
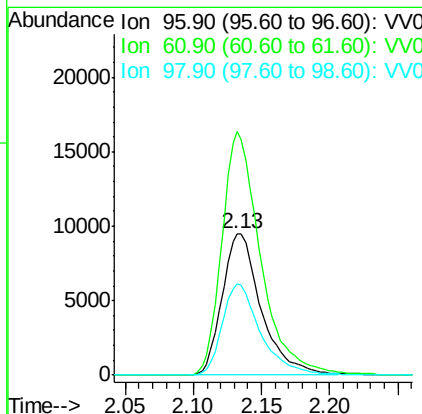
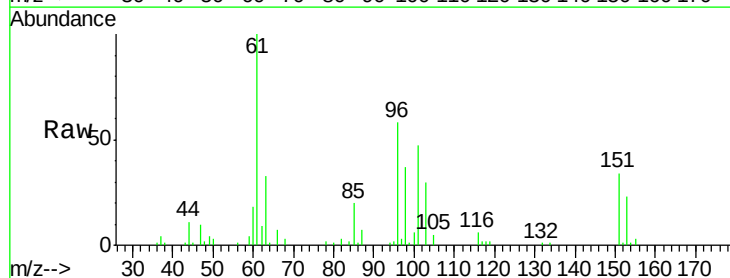
MMDadoda
 1/24/2019 11:44:43 AM

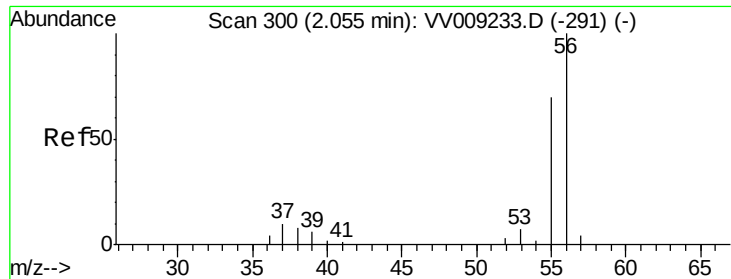


#12

1,1-Dichloroethene
 Concen: 19.328 ug/l
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.8	136.6	205.0
98	64.2	50.6	75.8





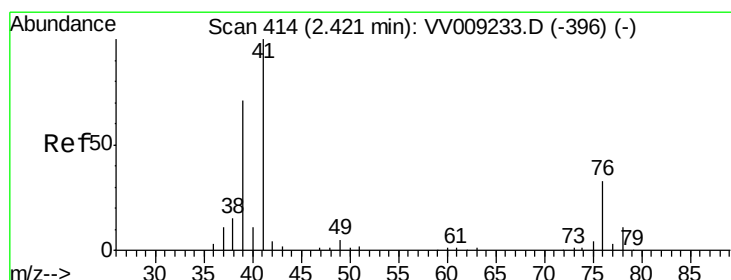
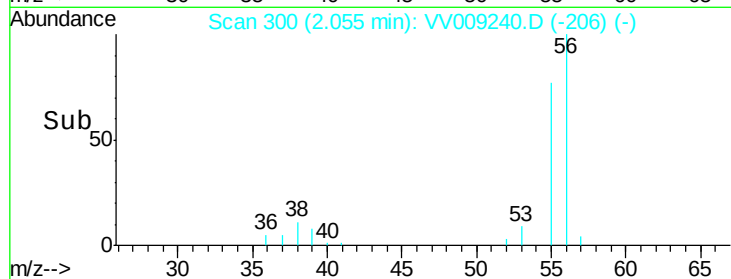
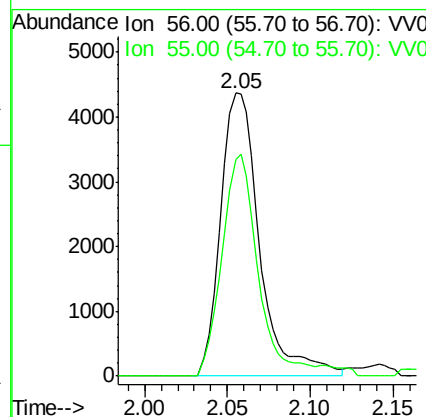
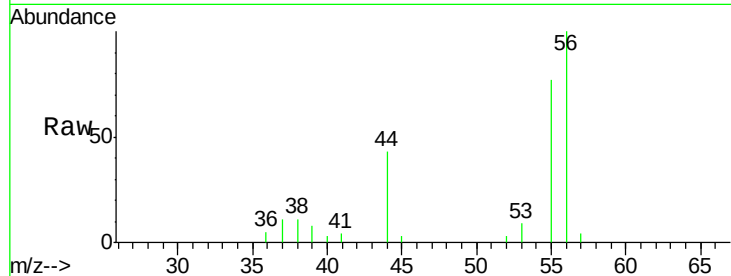
#13
 Acrolein
 Concen: 114.013 ug/l
 RT: 2.05 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion: 56 Resp: 7160
 Ion Ratio Lower Upper
 56 100
 55 74.6 54.0 81.0

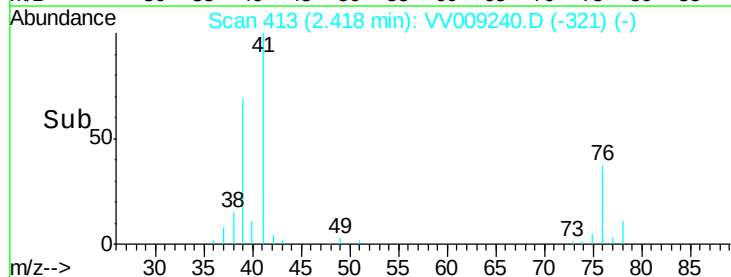
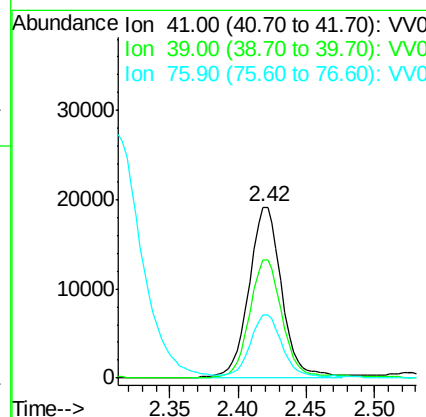
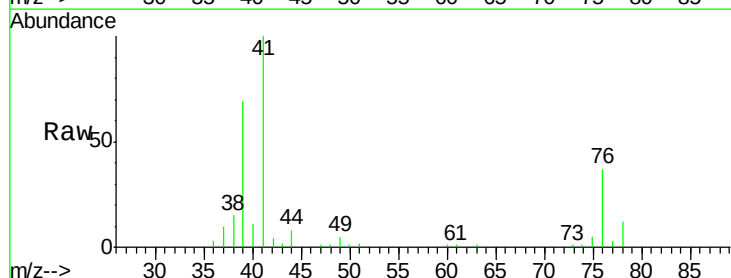
Manual Integrations
 APPROVED

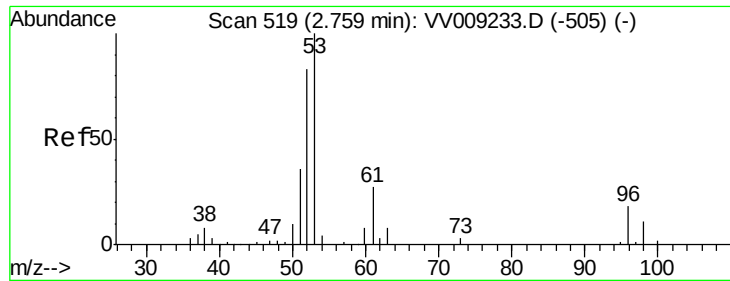
MMDadoda
 1/24/2019 11:44:43 AM



#14
 Allyl chloride
 Concen: 19.114 ug/l
 RT: 2.42 min Scan# 413
 Delta R.T. -0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion: 41 Resp: 32198
 Ion Ratio Lower Upper
 41 100
 39 68.5 55.1 82.7
 76 34.0 26.7 40.1





#15

Acrylonitrile

Concen: 105.026 ug/l

RT: 2.76 min Scan# 518

Delta R.T. -0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

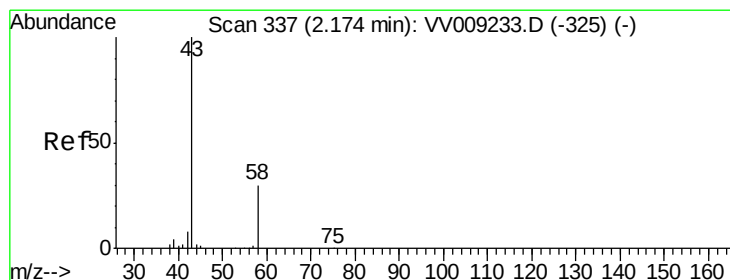
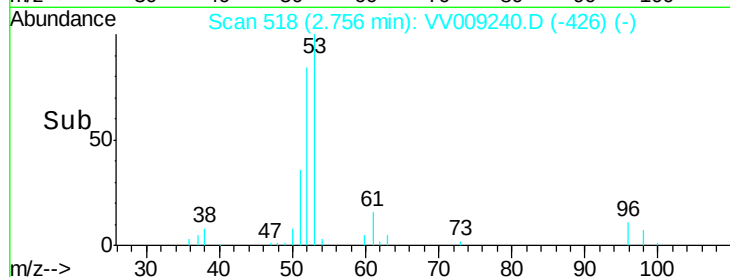
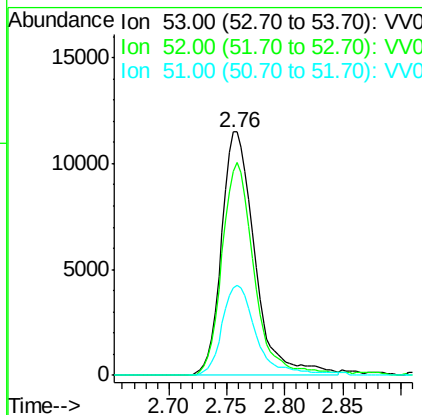
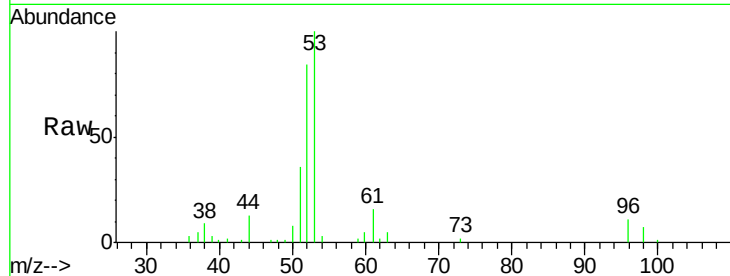
ClientSampleId :

VV0122SBS01

Tot Ion:	53	Resp:	22923
Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.3	97.9
51	37.5	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 94.125 ug/l

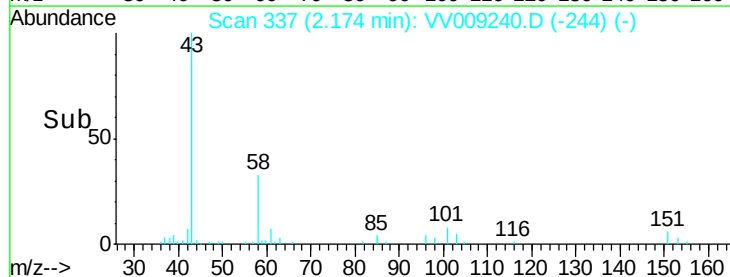
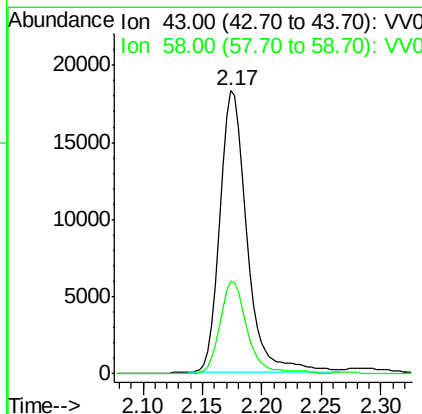
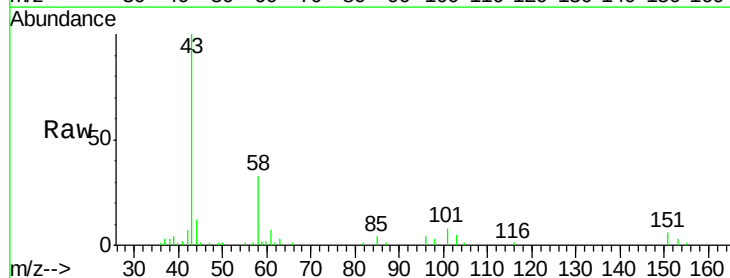
RT: 2.17 min Scan# 337

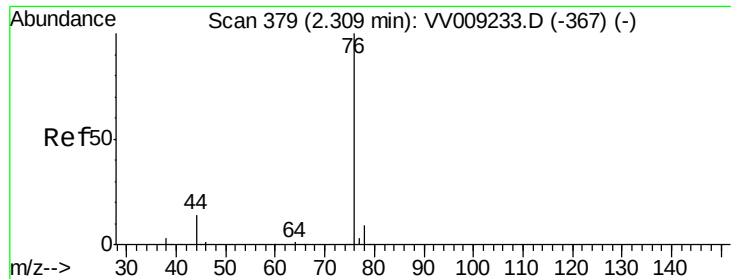
Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion:	43	Resp:	28739
Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.4	36.6





#17

Carbon Disulfide

Concen: 19.246 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 76 Resp: 57543

Ion Ratio Lower Upper

76 100

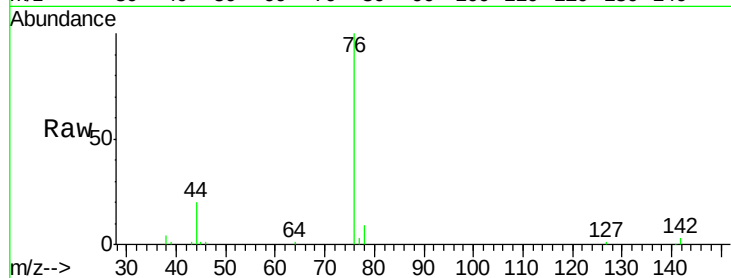
78 8.9 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VV009233.D (-367) (-)

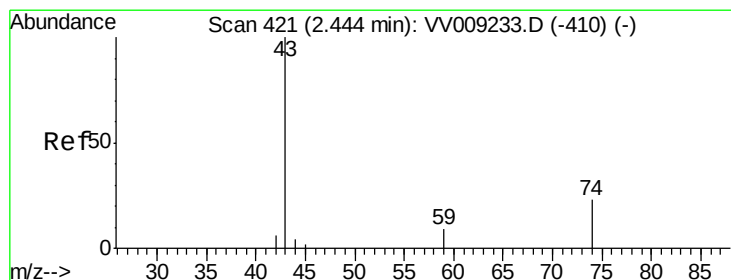
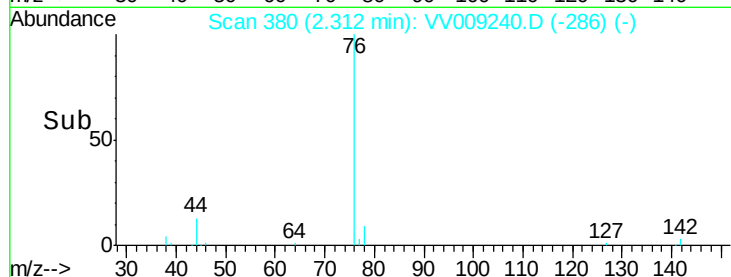
Ion 77.90 (77.60 to 78.60): VV009233.D (-367) (-)

2.31

2.35

2.40

Time-->



#18

Methyl Acetate

Concen: 18.700 ug/l

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV009240.D

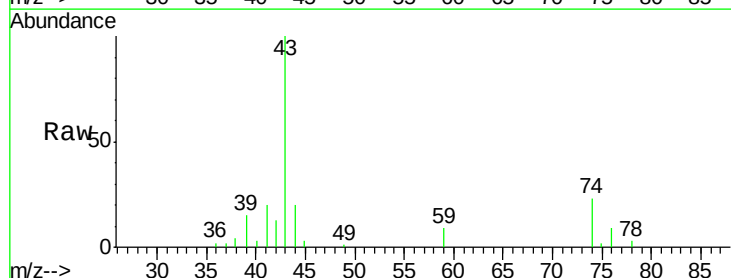
Acq: 22 Jan 2019 18:04

Tgt Ion: 43 Resp: 15250

Ion Ratio Lower Upper

43 100

74 24.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-410) (-)

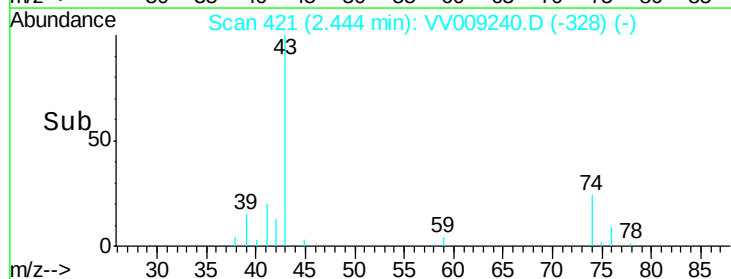
Ion 74.00 (73.70 to 74.70): VV009233.D (-410) (-)

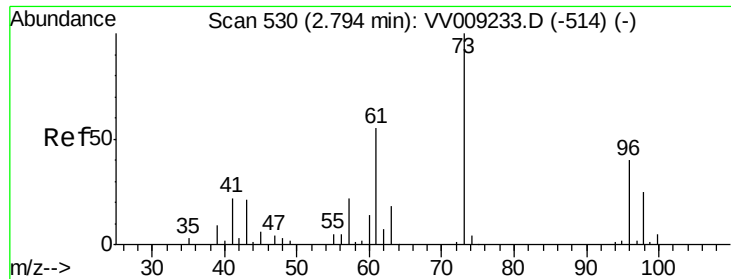
2.44

2.45

2.50

Time-->





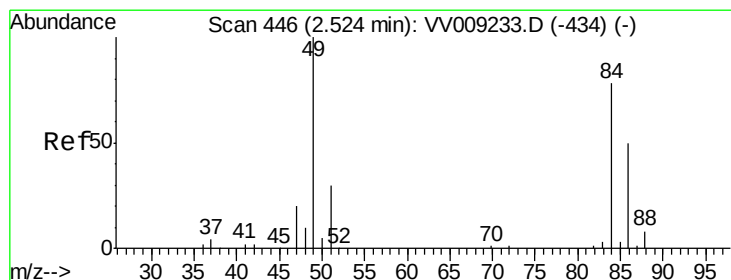
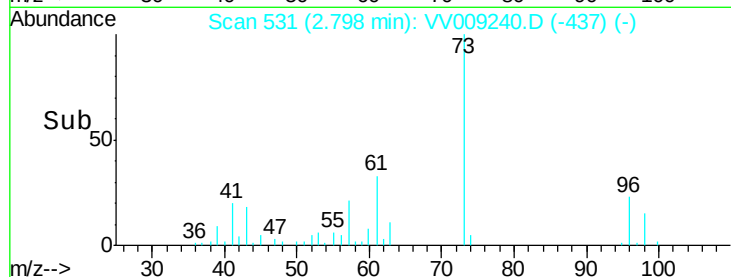
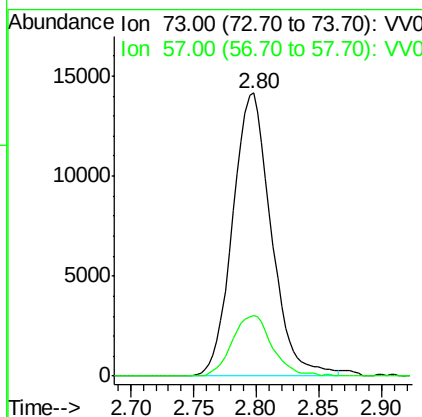
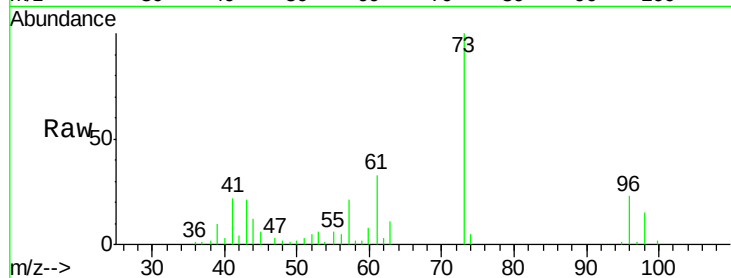
#19
Methyl tert-butyl Ether
Concen: 20.000 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion: 73 Resp: 30343
Ion Ratio Lower Upper
73 100
57 21.4 18.0 27.0

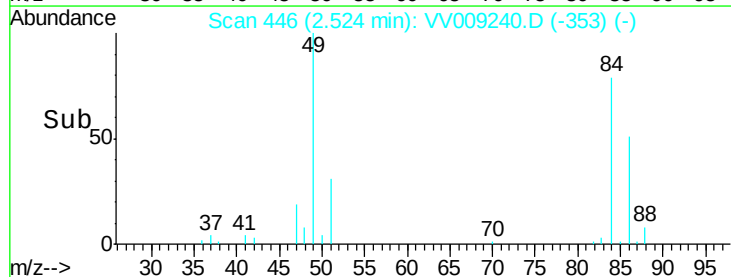
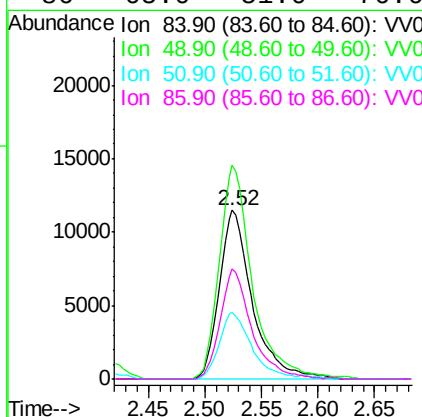
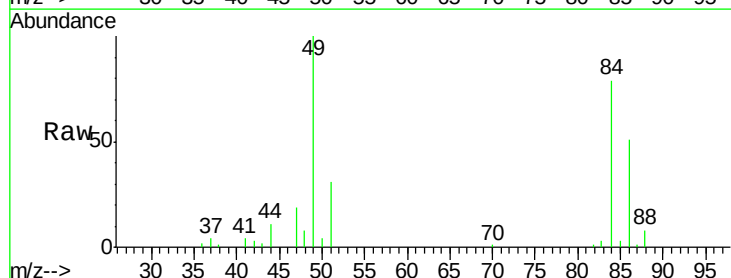
Manual Integrations
APPROVED

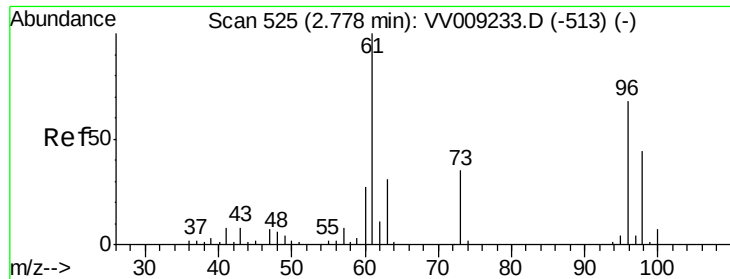
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#20
Methylene Chloride
Concen: 20.692 ug/l
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion: 84 Resp: 23326
Ion Ratio Lower Upper
84 100
49 126.7 102.0 153.0
51 39.7 30.9 46.3
86 65.0 51.0 76.6





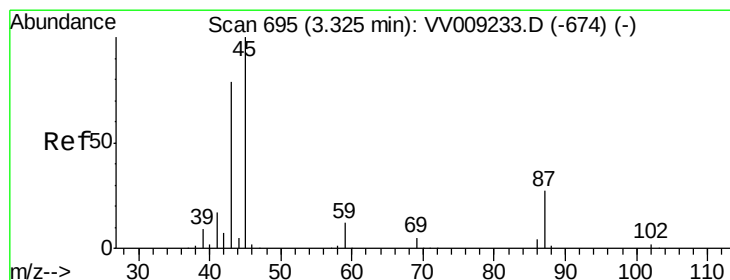
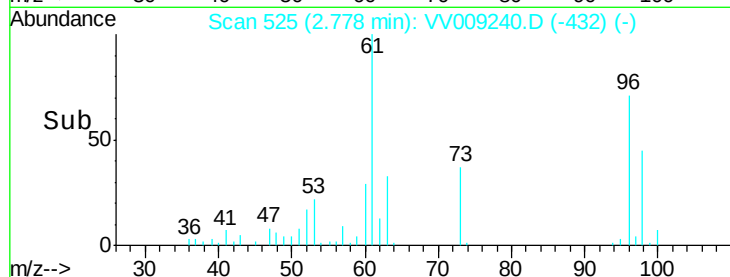
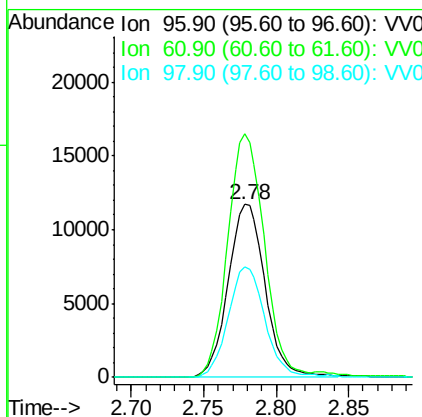
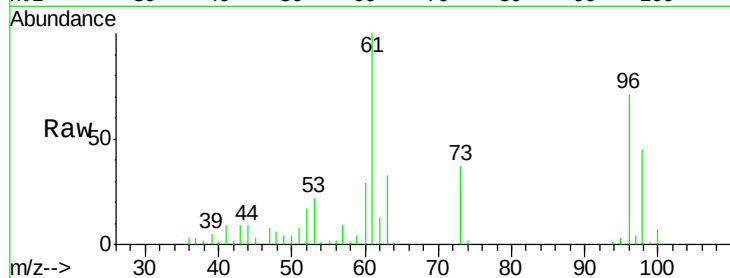
#21
trans-1,2-Dichloroethene
Concen: 19.701 ug/l
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	117.7	176.5
98	63.9	51.5	77.3

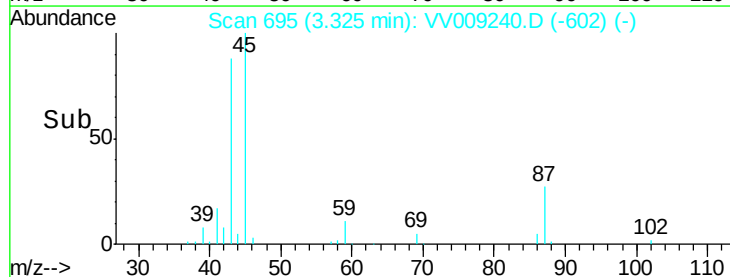
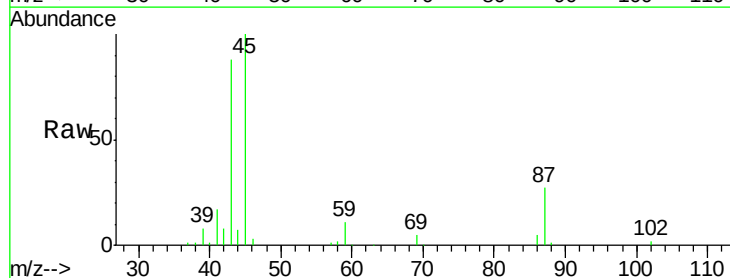
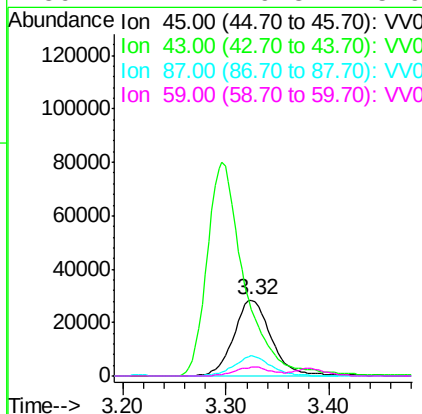
Manual Integrations
APPROVED

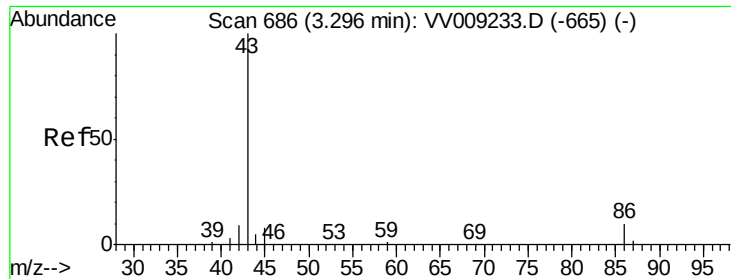
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#22
Diisopropyl ether
Concen: 20.023 ug/l
RT: 3.32 min Scan# 695
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	83.7	63.0	94.4
87	26.6	21.5	32.3
59	11.2	9.3	13.9





#23

Vinyl Acetate

Concen: 103.661 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 43 Resp: 201749

Ion Ratio Lower Upper

43 100

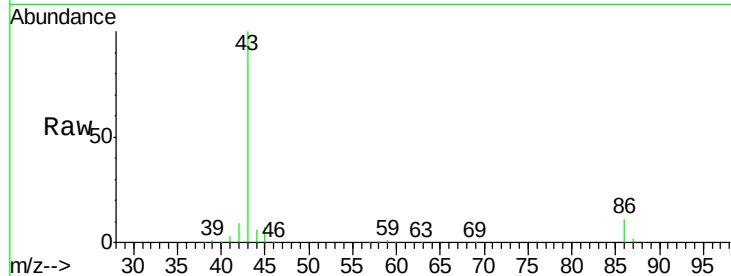
86 10.7 8.1 12.1

Manual Integrations

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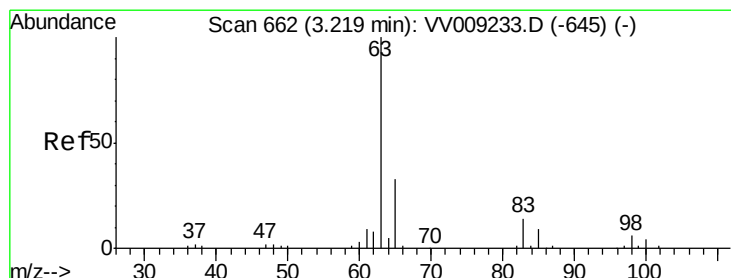
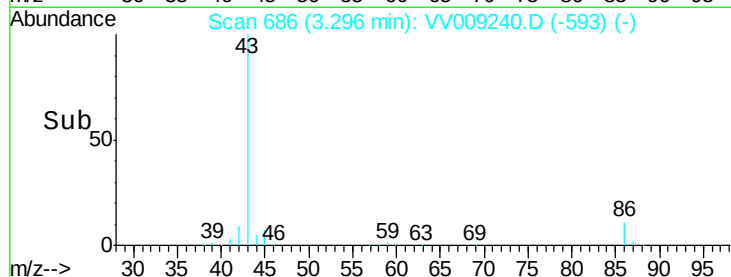
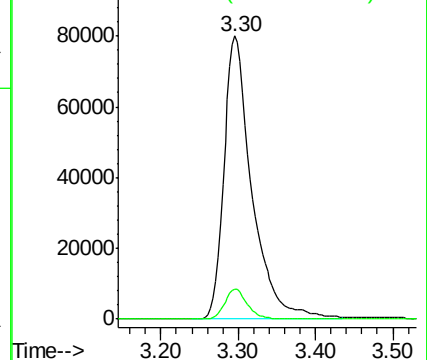
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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



#24

1,1-Dichloroethane

Concen: 19.169 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

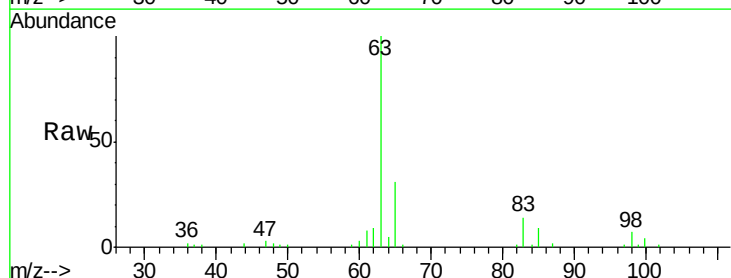
Tgt Ion: 63 Resp: 42778

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.8

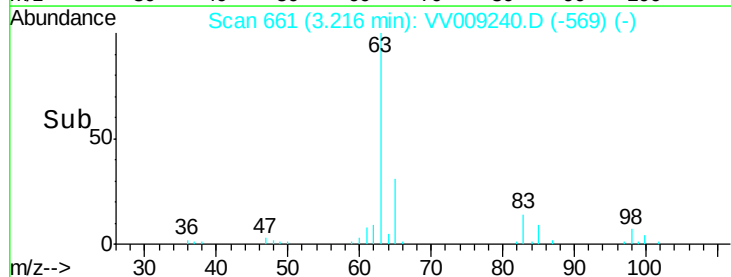
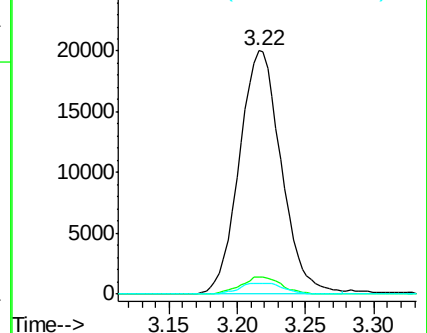
100 4.5 2.2 6.6

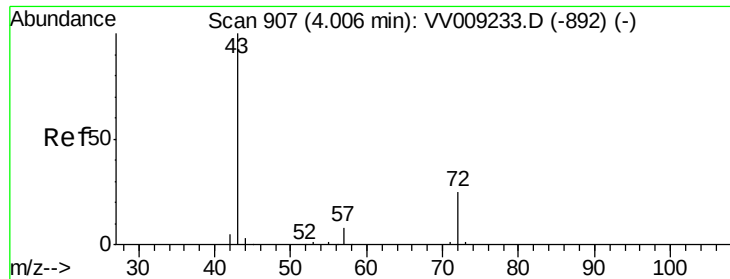


Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

Ion 99.90 (99.60 to 100.60): VV0





#25

2-Butanone

Concen: 106.968 ug/l

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 43 Resp: 37348

Ion Ratio Lower Upper

43 100

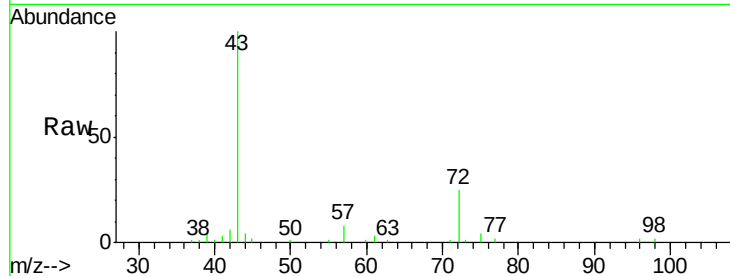
72 24.9 20.2 30.4

Manual Integrations

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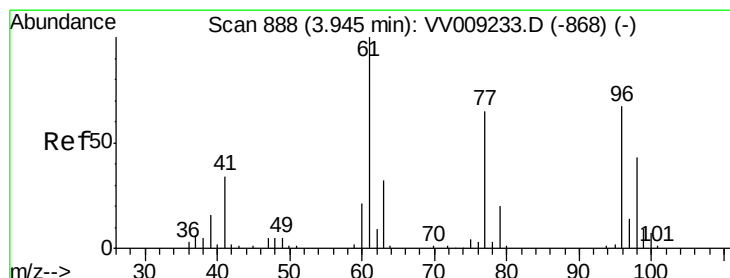
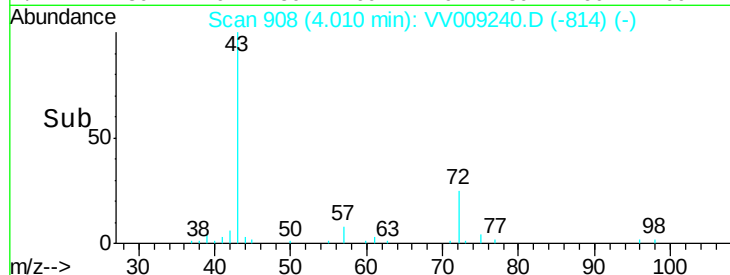
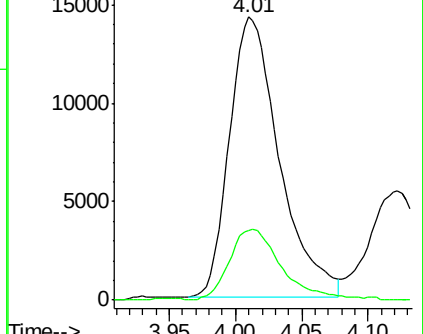
MMDadoda

1/24/2019 11:44:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#26

2,2-Dichloropropane

Concen: 18.883 ug/l

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV009240.D

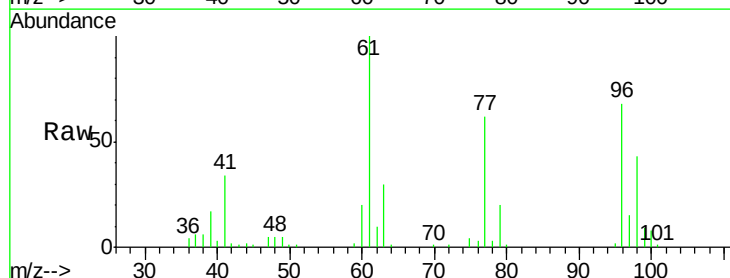
Acq: 22 Jan 2019 18:04

Tgt Ion: 77 Resp: 23716

Ion Ratio Lower Upper

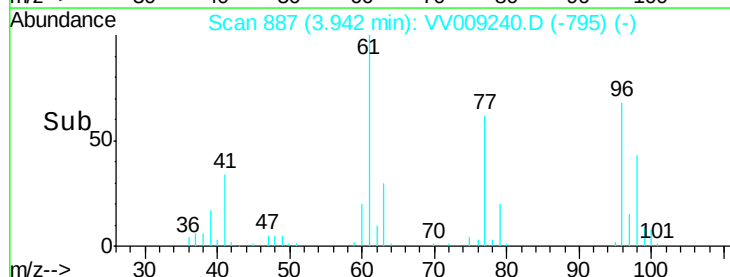
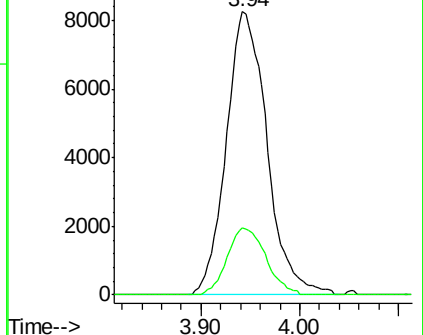
77 100

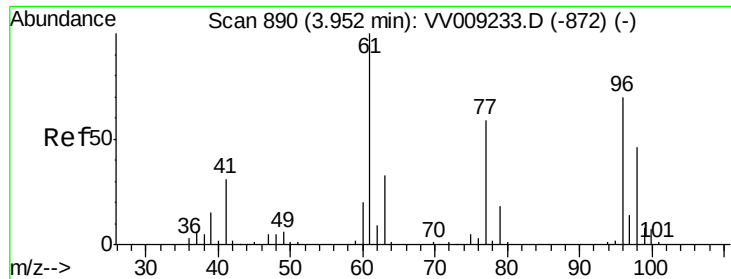
97 22.5 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV0

Ion 96.90 (96.60 to 97.60): VV0





#27

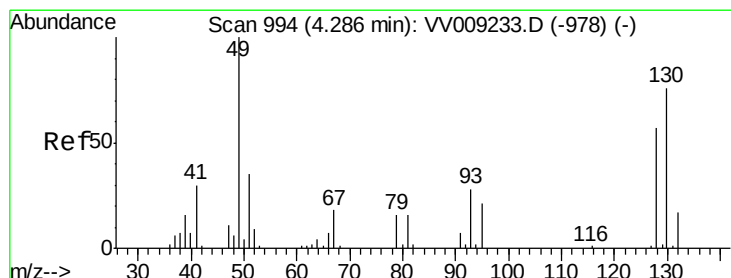
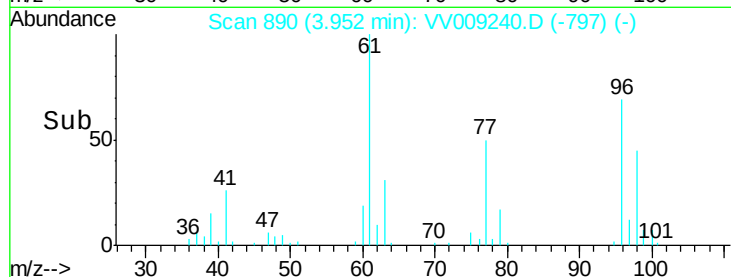
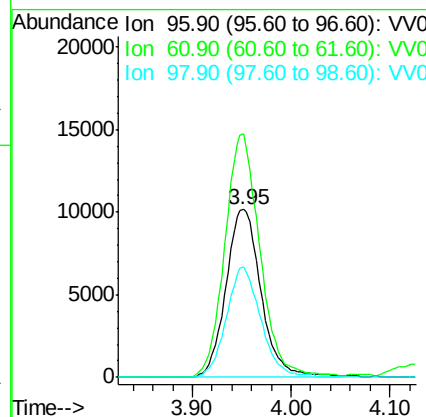
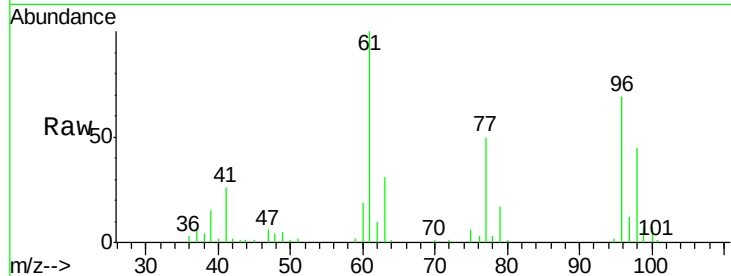
cis-1,2-Dichloroethene
Concen: 19.925 ug/l
RT: 3.95 min Scan# 890
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	25358		
61	144.1	0.0	296.4	
98	64.5	0.0	130.0	

Manual Integrations
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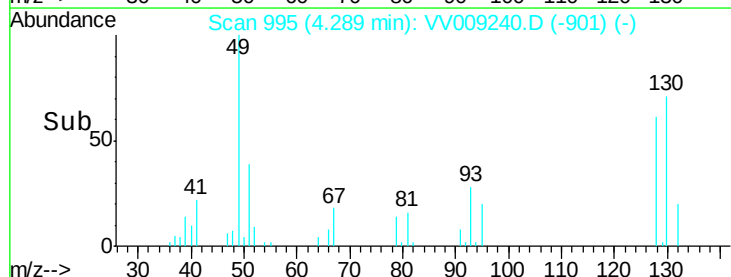
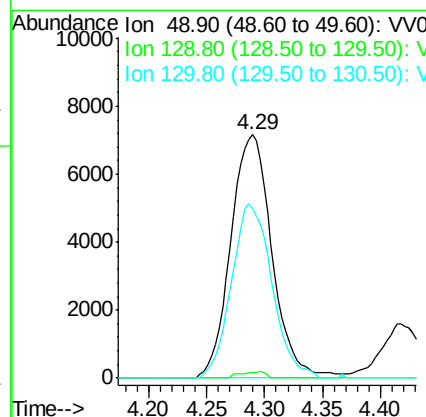
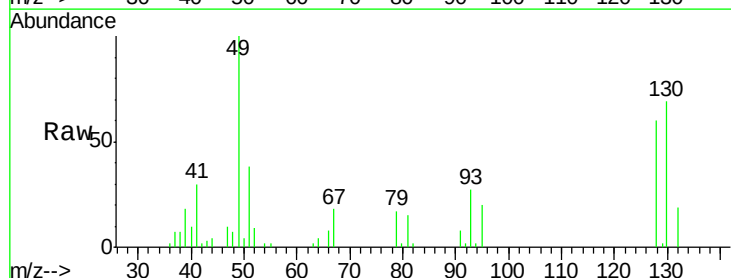
MMDadoda
1/24/2019 11:44:43 AM

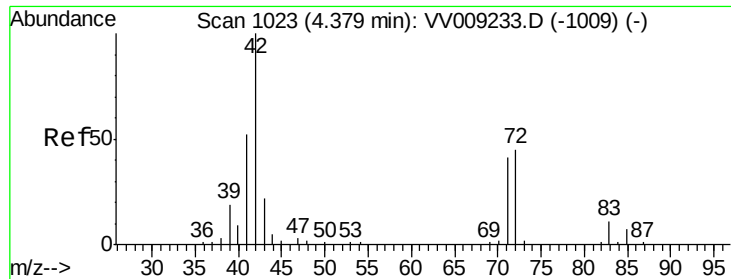


#28

Bromochloromethane
Concen: 21.414 ug/l
RT: 4.29 min Scan# 995
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	17635		
129	1.6	0.0	3.6	
130	70.3	60.2	90.4	





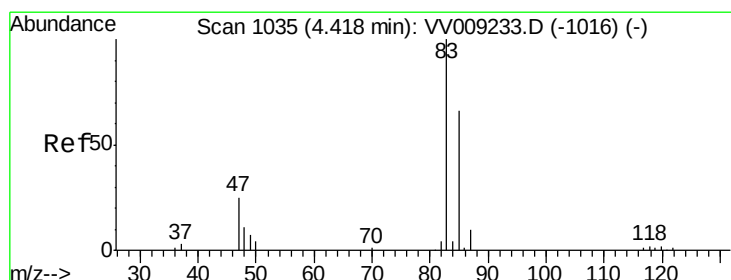
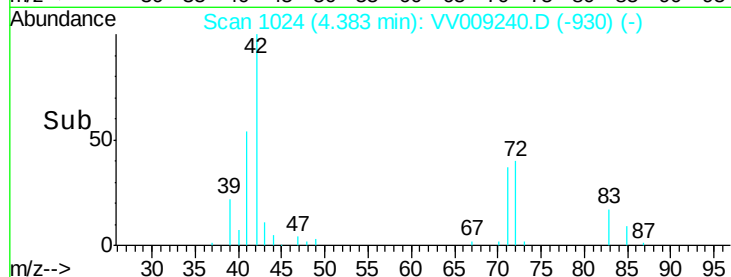
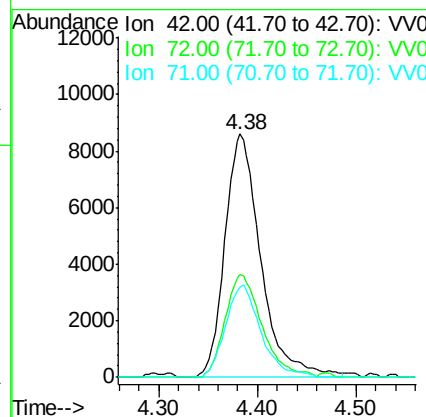
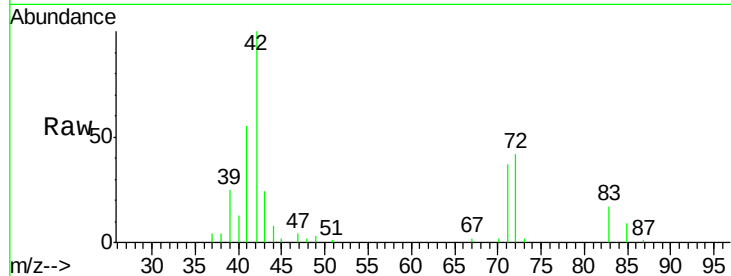
#29
Tetrahydrofuran
Concen: 115.256 ug/l
RT: 4.38 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.7	56.5
71	37.4	31.5	47.3

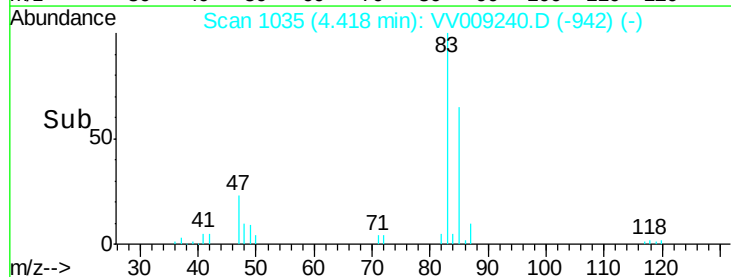
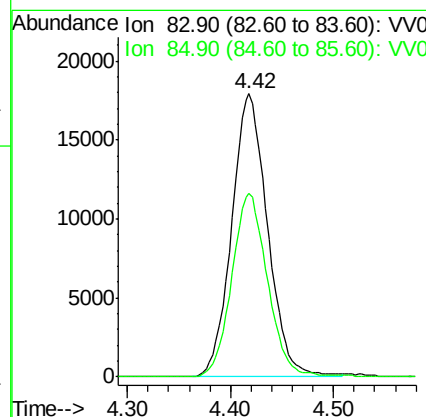
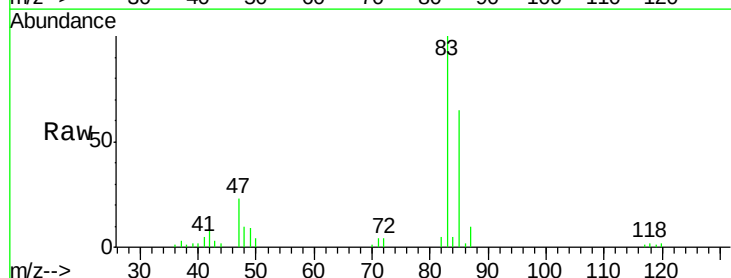
Manual Integrations
APPROVED

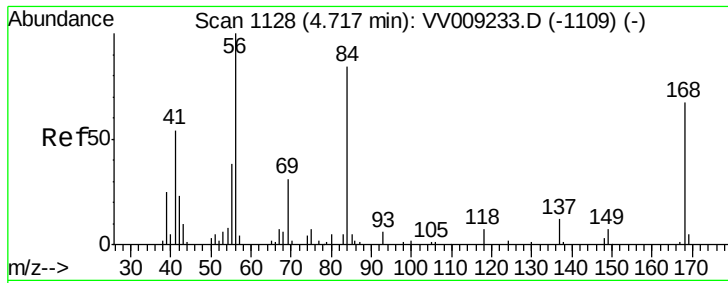
MMDadoda
1/24/2019 11:44:43 AM



#30
Chloroform
Concen: 19.389 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	79.0





#31

Cyclohexane

Concen: 19.144 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

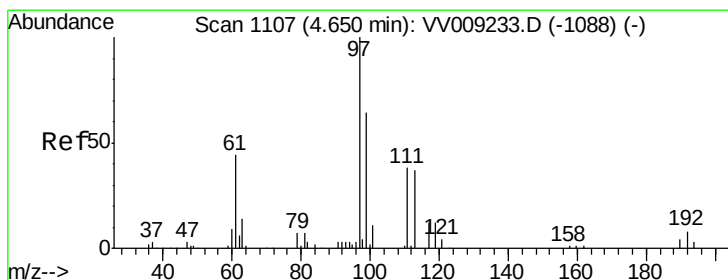
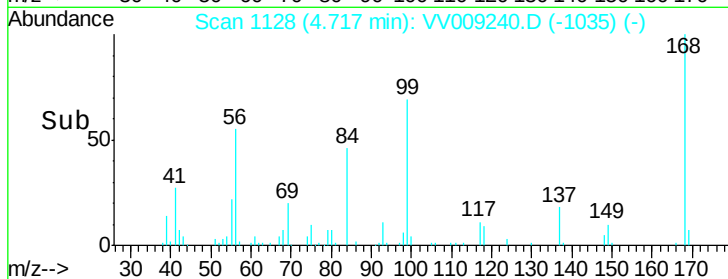
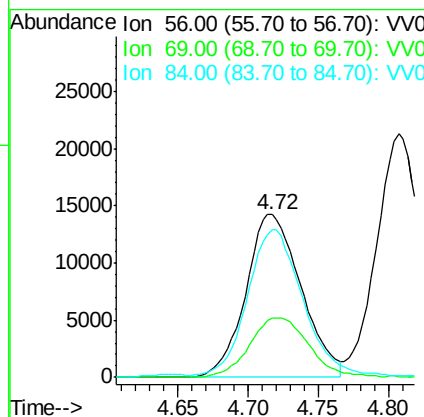
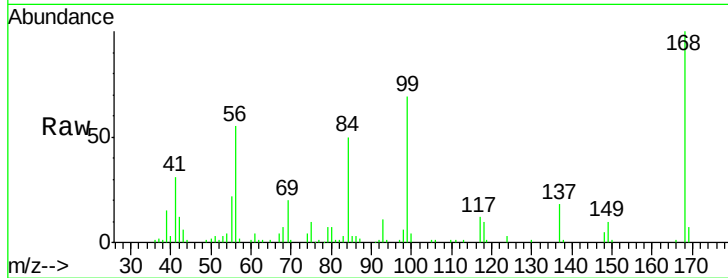
ClientSampleId :

VV0122SBS01

Tot Ion:	56	Resp:	39002
Ion Ratio	Lower	Upper	
56	100		
69	36.1	25.1	37.7
84	89.3	67.3	100.9

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 19.004 ug/l

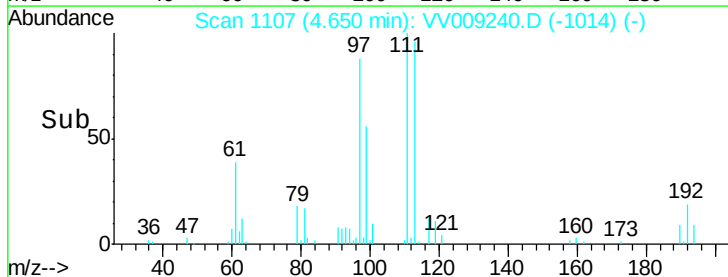
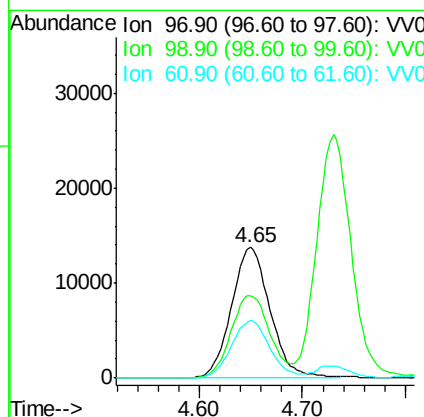
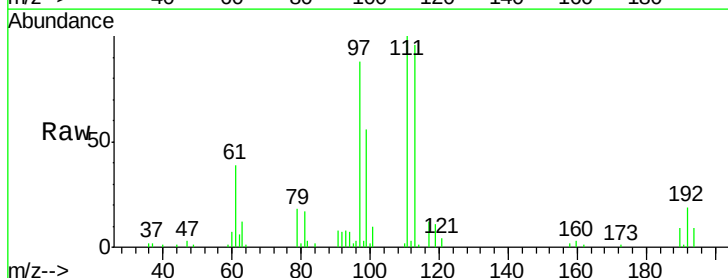
RT: 4.65 min Scan# 1107

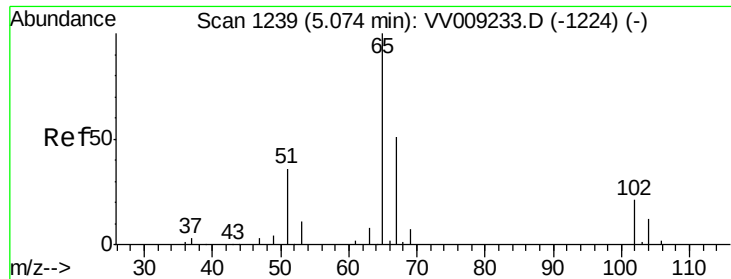
Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion:	97	Resp:	35901
Ion Ratio	Lower	Upper	
97	100		
99	63.5	50.2	75.2
61	43.7	34.7	52.1





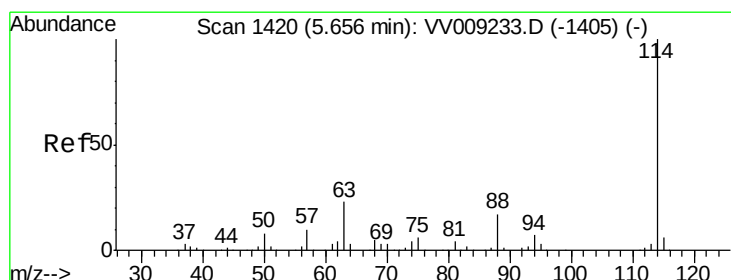
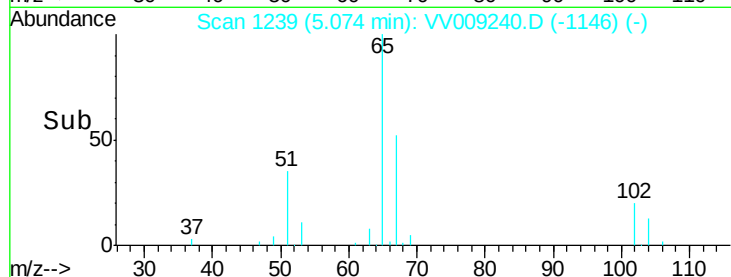
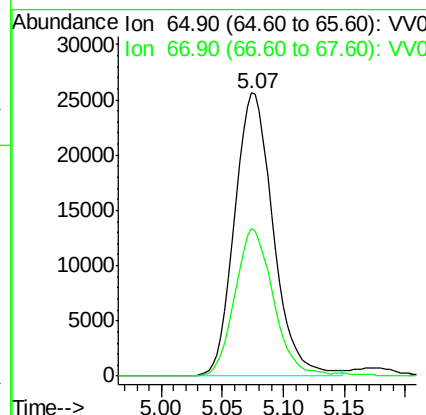
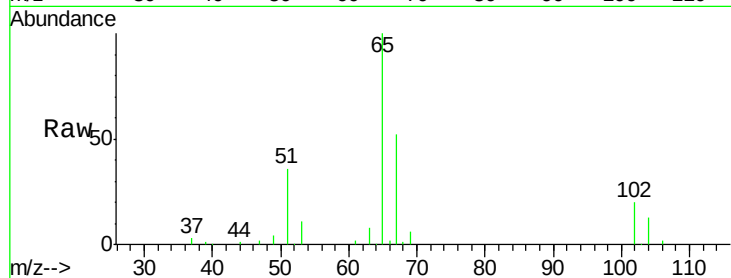
#33
 1,2-Dichloroethane-d4
 Concen: 50.166 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.8

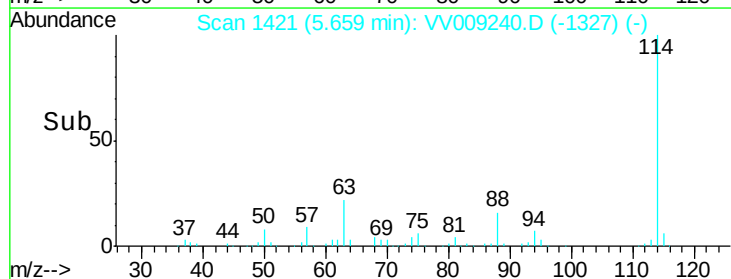
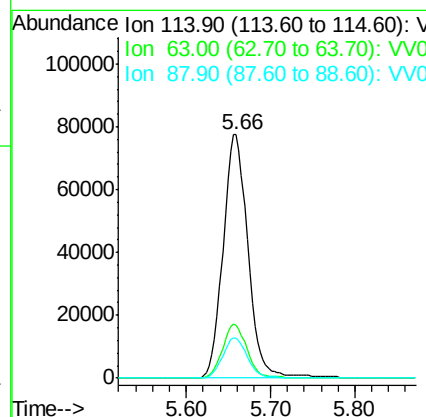
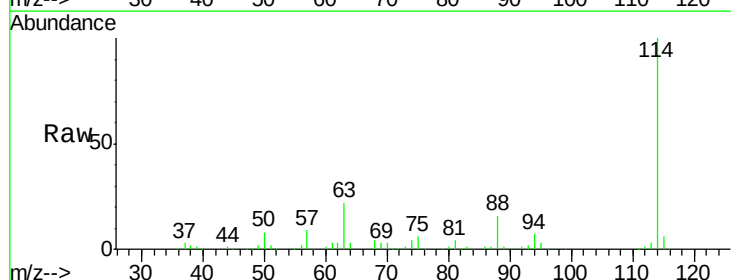
Manual Integrations
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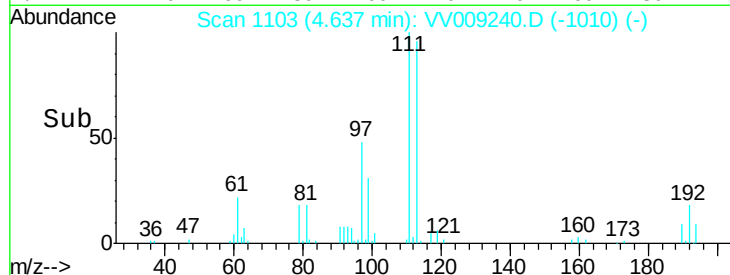
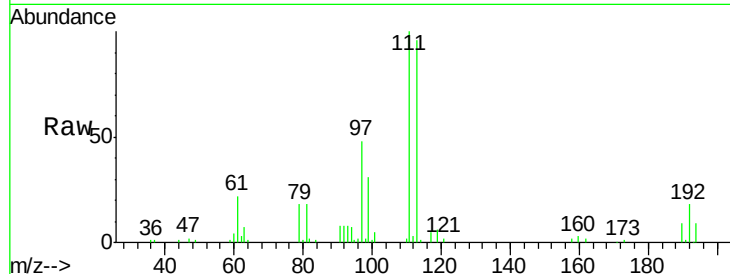
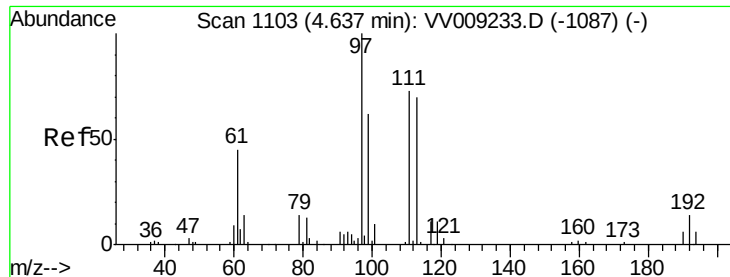
MMDadoda
 1/24/2019 11:44:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	45.2
88	16.4	0.0	33.4





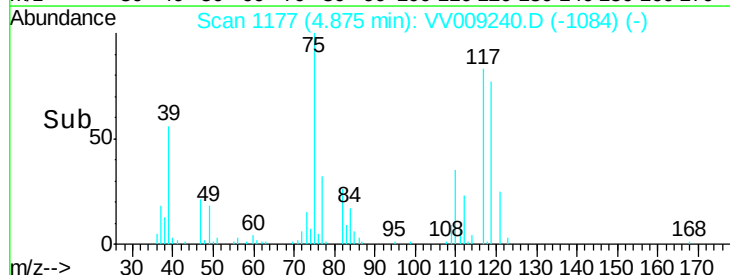
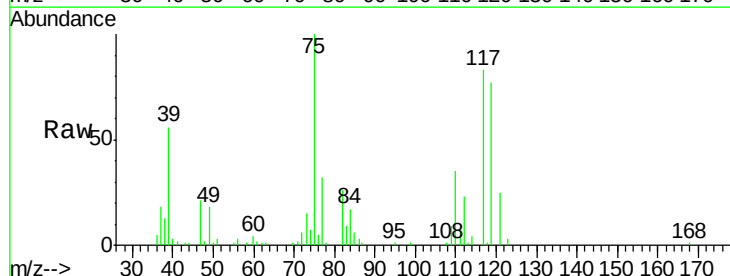
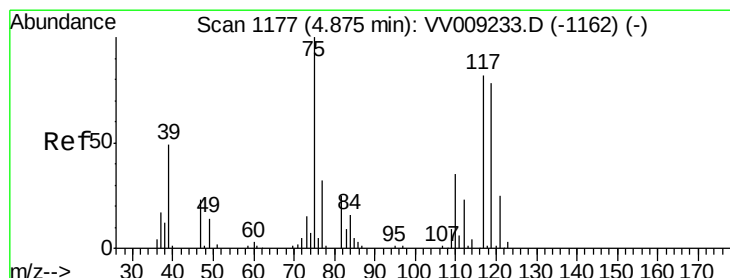
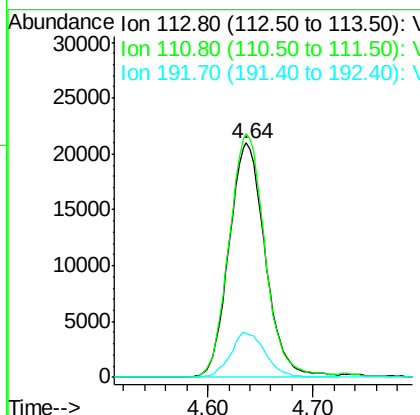
#35
Dibromofluoromethane
Concen: 48.127 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	49884		
111	103.4		82.4	123.6
192	18.5		15.0	22.6

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

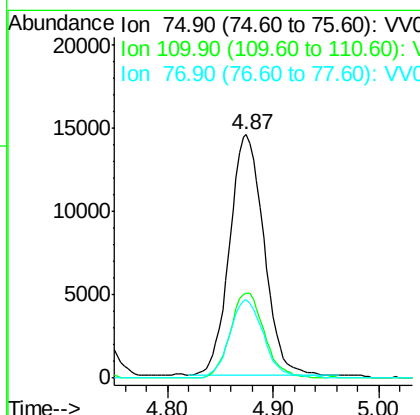
Manual Integrations
APPROVED

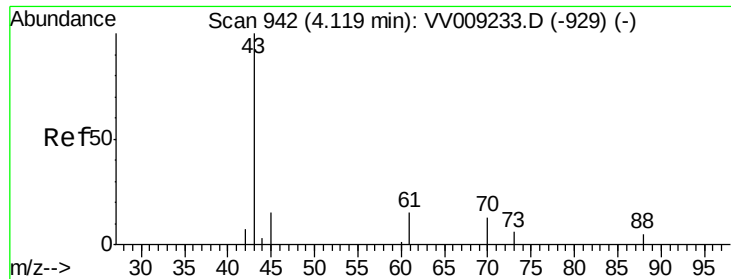
MMDadoda
1/24/2019 11:44:43 AM



#36
1,1-Dichloropropene
Concen: 18.471 ug/l
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32667		
110	35.0		17.5	52.5
77	32.0		25.5	38.3





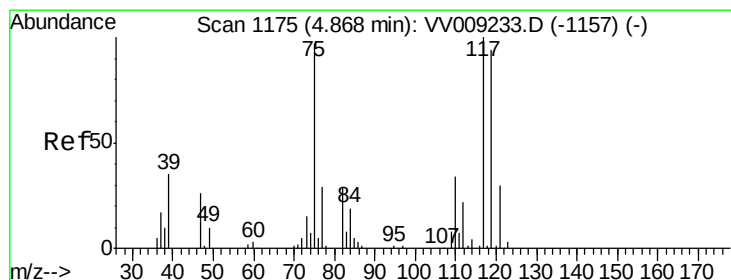
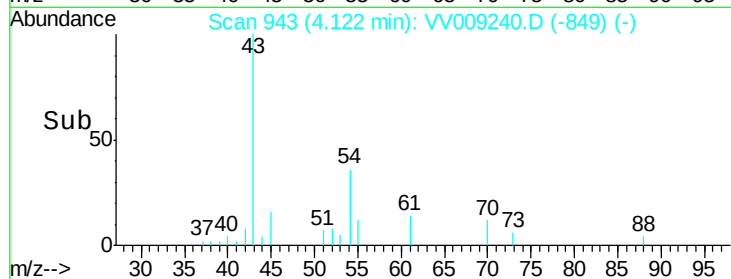
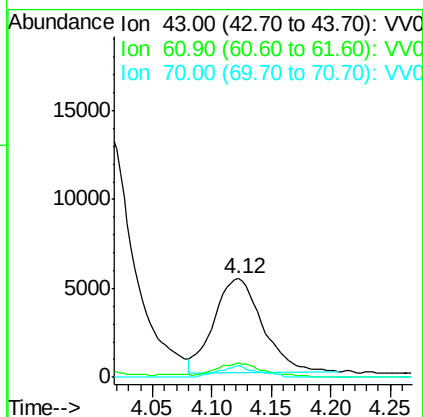
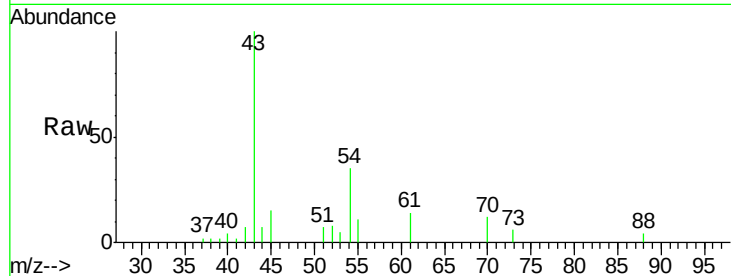
#37
Ethyl Acetate
Concen: 22.118 ug/l
RT: 4.12 min Scan# 943
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
70	9.4	8.7	13.1

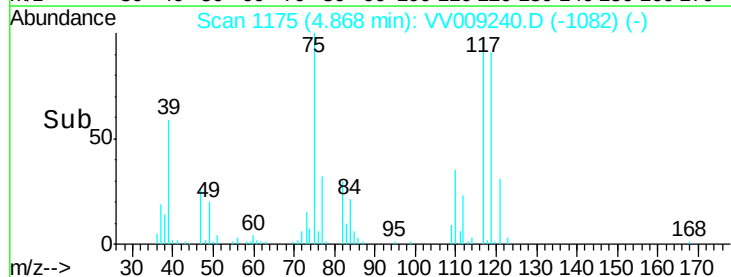
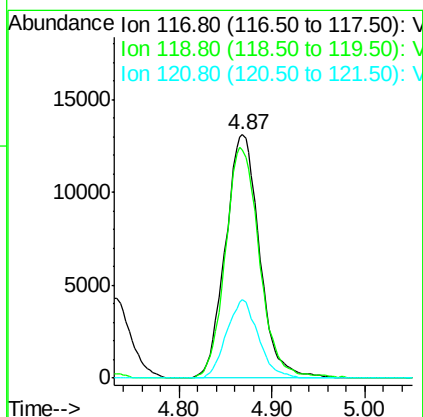
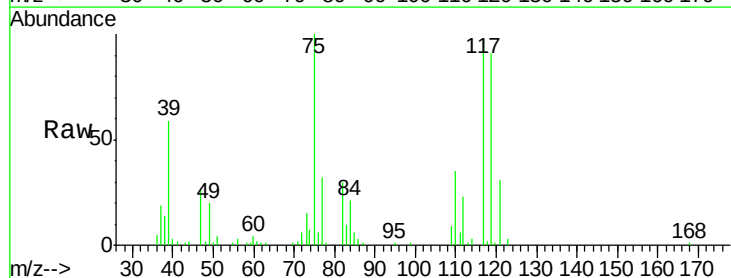
Manual Integrations
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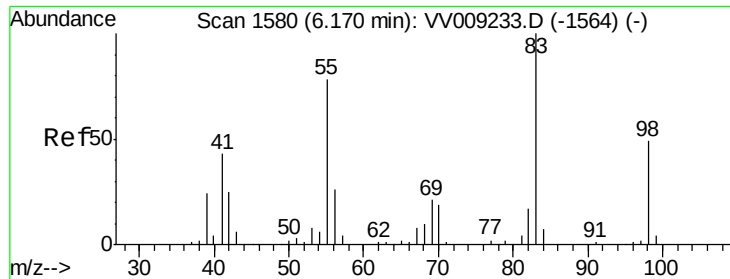
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#38
Carbon Tetrachloride
Concen: 18.943 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.4	113.2
121	32.4	24.2	36.2





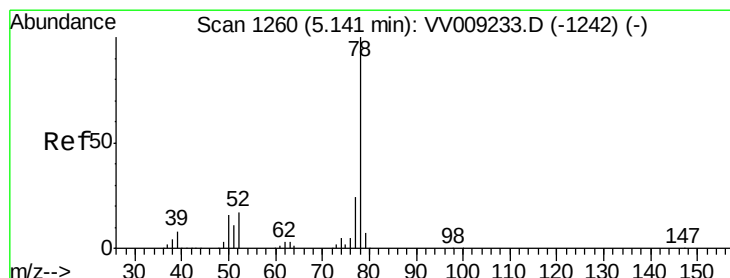
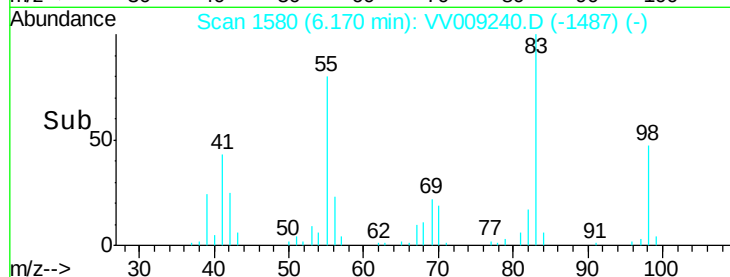
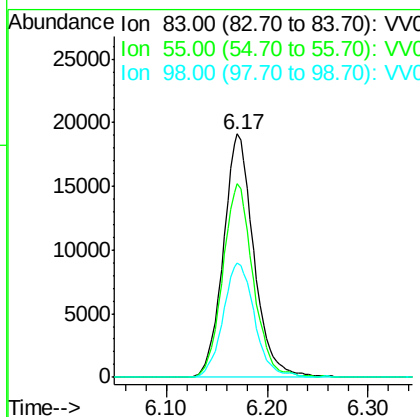
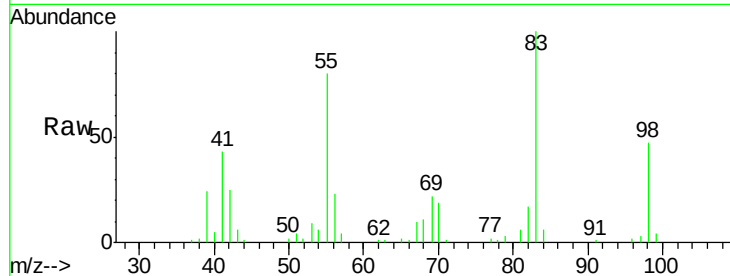
#39
Methylvlcyclohexane
Concen: 19.250 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	83	Resp	40315
Ion Ratio	100	Lower	Upper
83	100		
55	79.7	62.8	94.2
98	47.0	39.1	58.7

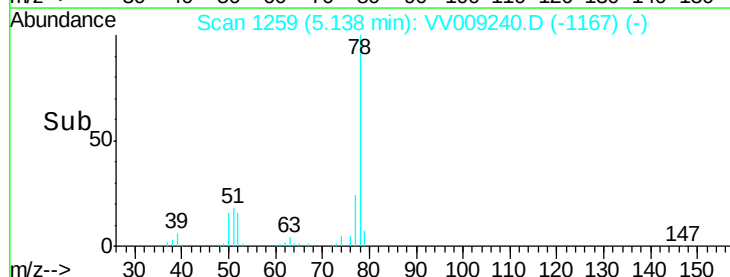
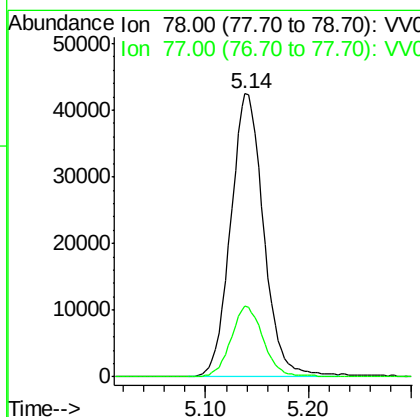
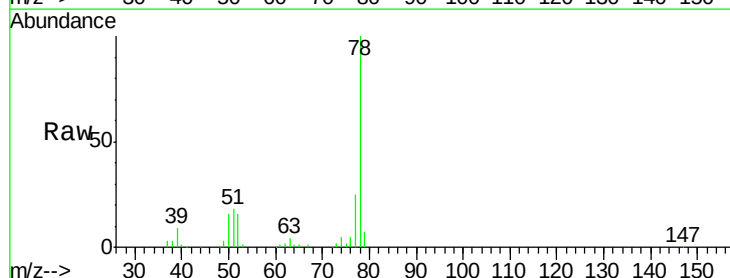
Manual Integrations
APPROVED

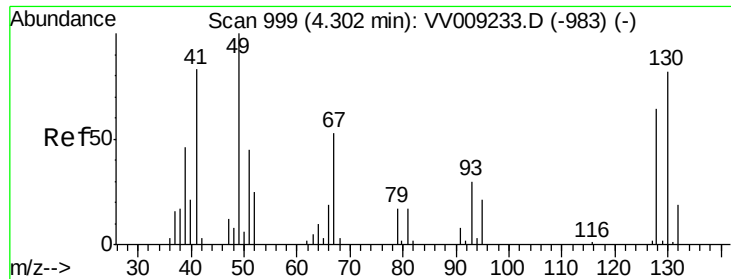
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1/24/2019 11:44:43 AM



#40
Benzene
Concen: 19.150 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	78	Resp	94722
Ion Ratio	100	Lower	Upper
78	100		
77	24.9	19.4	29.2





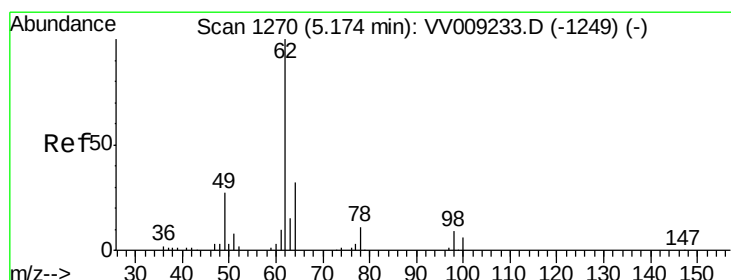
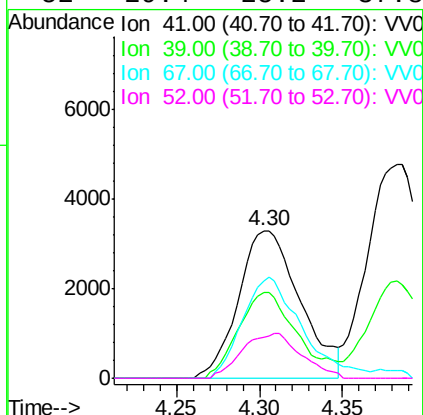
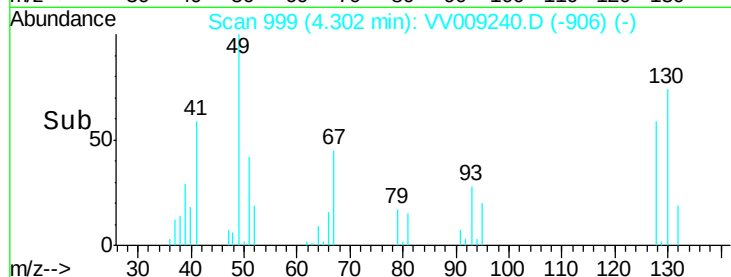
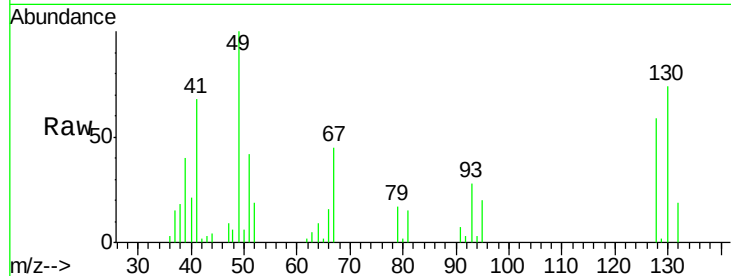
#41
Methacrylonitrile
Concen: 20.731 ug/l
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion:	41	Resp:	8492
Ion	Ratio	Lower	Upper
41	100		
39	55.7	45.4	68.0
67	65.9	55.5	83.3
52	29.4	25.2	37.8

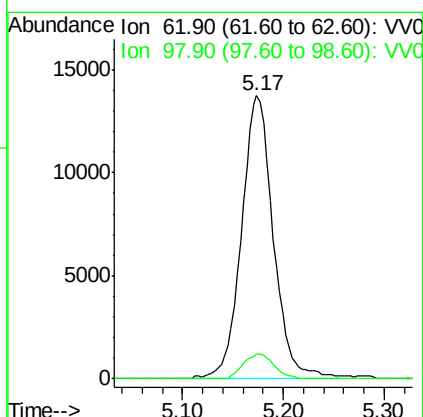
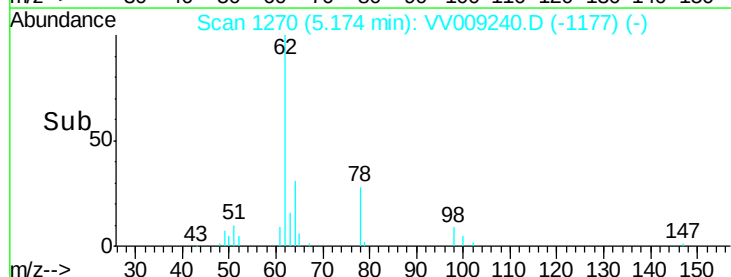
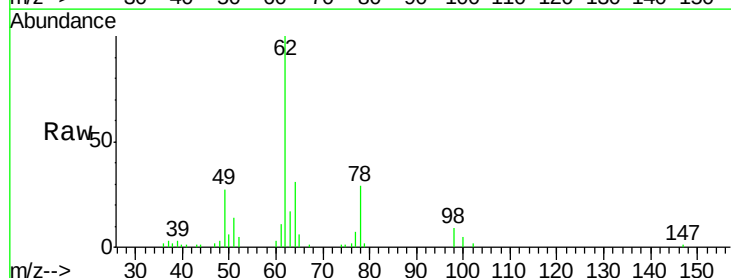
Manual Integrations
APPROVED

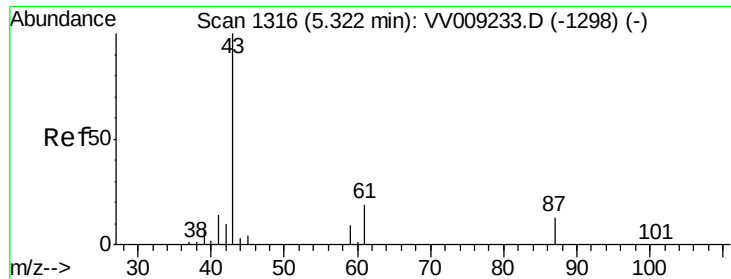
MMDadoda
1/24/2019 11:44:43 AM



#42
1,2-Dichloroethane
Concen: 19.330 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion:	62	Resp:	29924
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4





#43

Isopropyl Acetate

Concen: 21.373 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

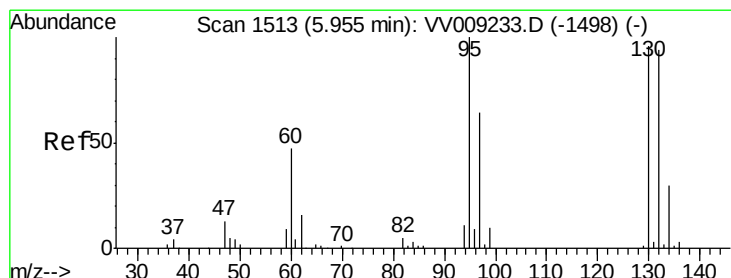
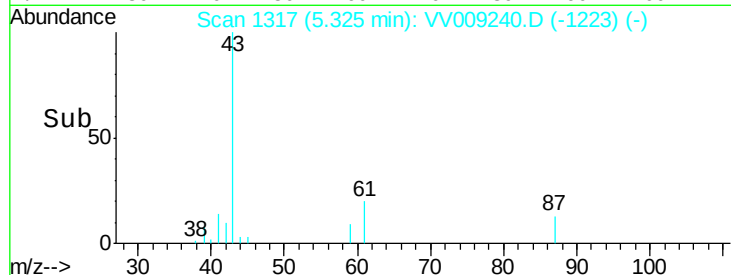
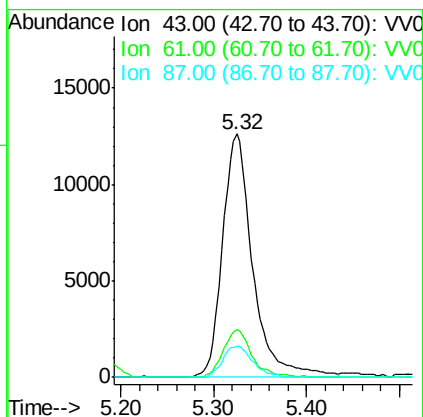
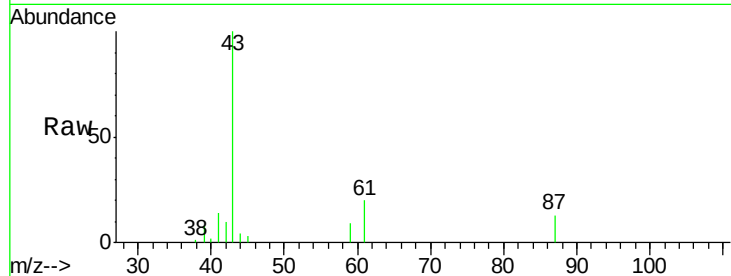
ClientSampleId :

VV0122SBS01

Tot Ion:	43	Resp:	28573
Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.4	23.0
87	12.6	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 18.704 ug/l

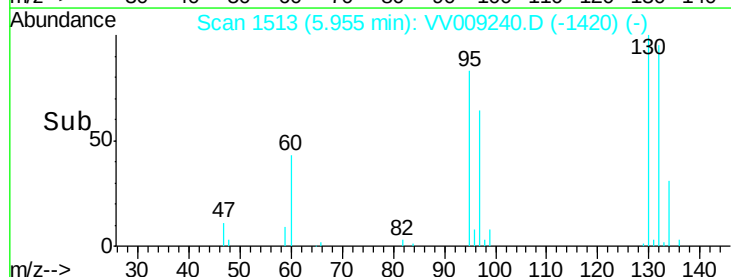
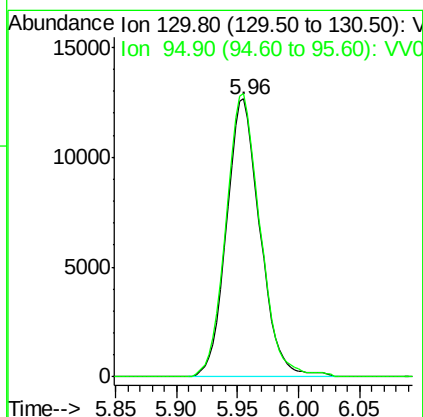
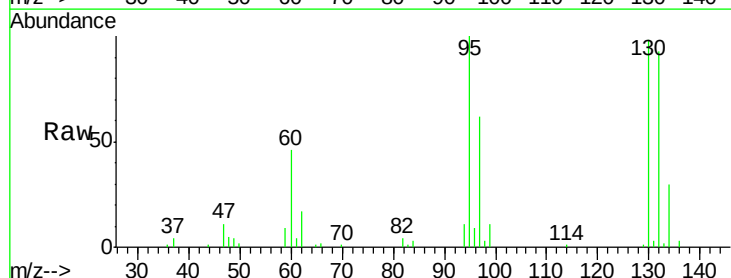
RT: 5.96 min Scan# 1513

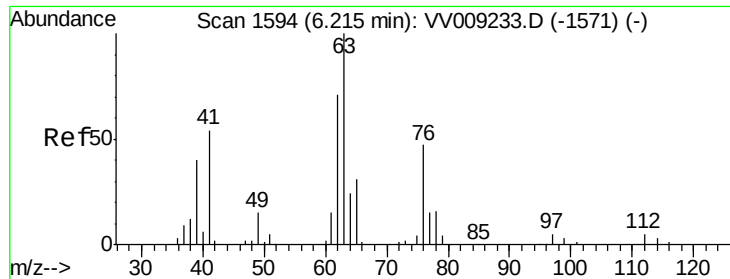
Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion:	130	Resp:	24345
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	208.2





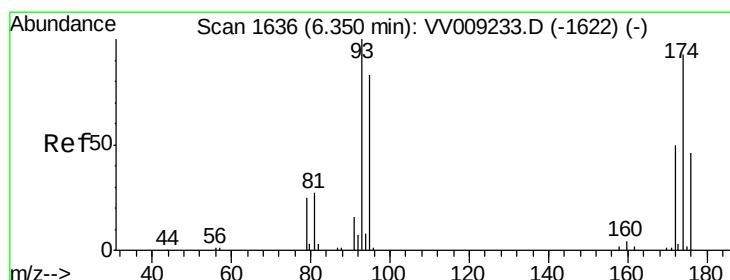
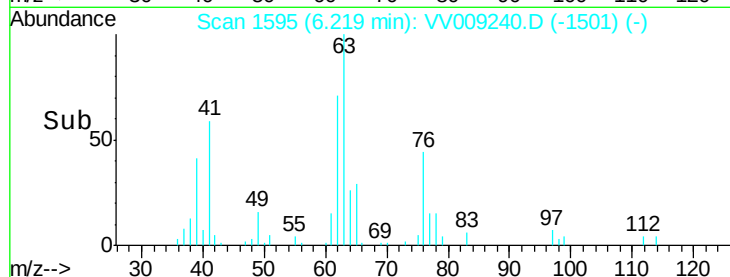
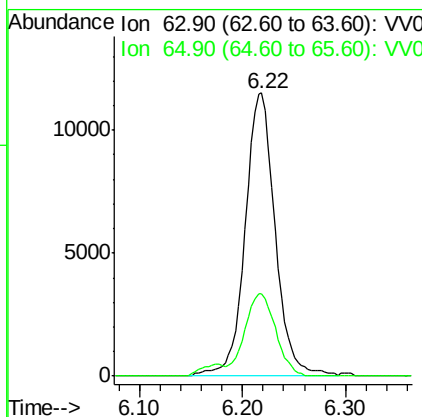
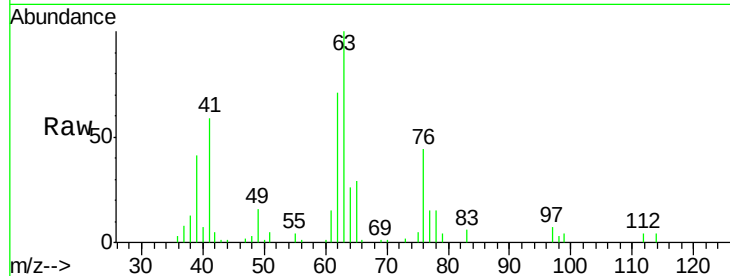
#45
 1,2-Dichloropropane
 Concen: 19.562 ug/l
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion: 63 Resp: 23275
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.1 37.7

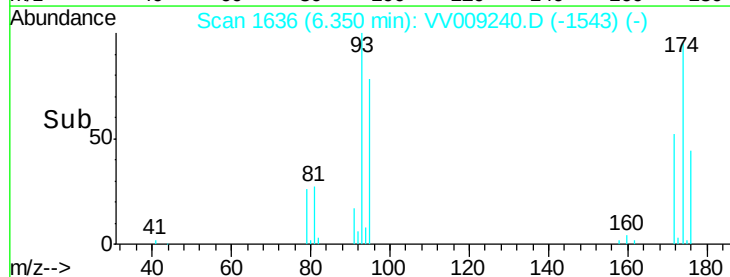
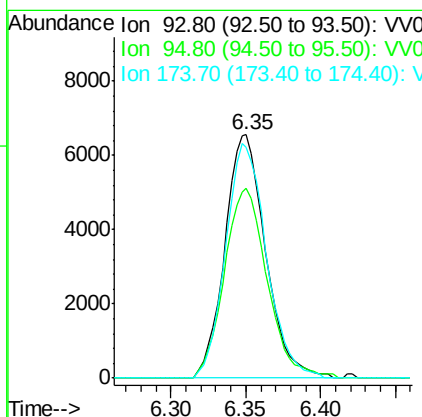
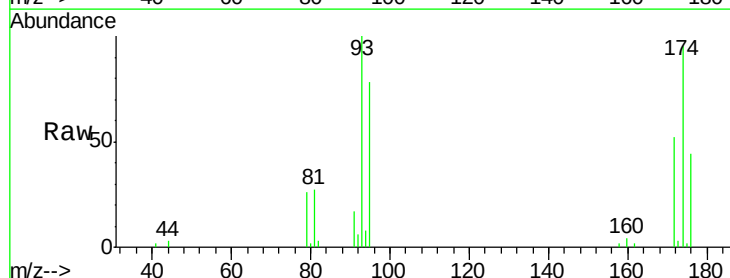
Manual Integrations
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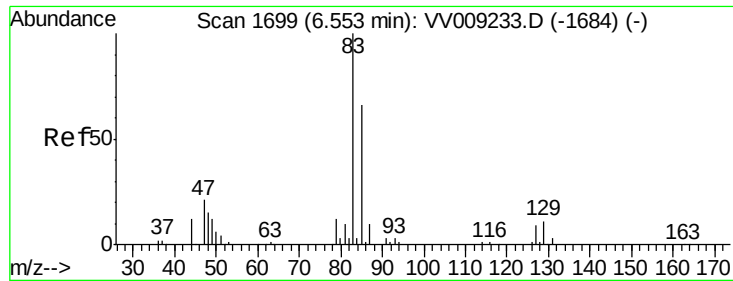
MMDadoda
 1/24/2019 11:44:43 AM



#46
 Dibromomethane
 Concen: 20.401 ug/l
 RT: 6.35 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion: 93 Resp: 12455
 Ion Ratio Lower Upper
 93 100
 95 81.9 64.6 97.0
 174 96.3 74.0 111.0





#47

Bromodichloromethane

Concen: 19.134 ug/l

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

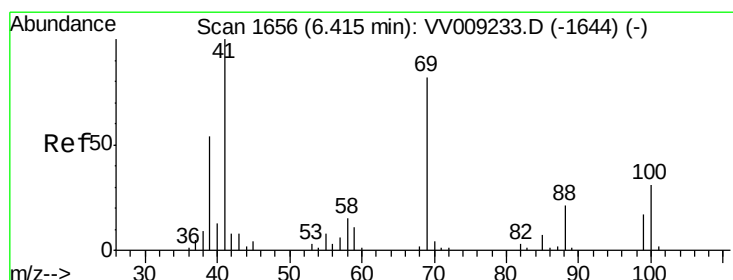
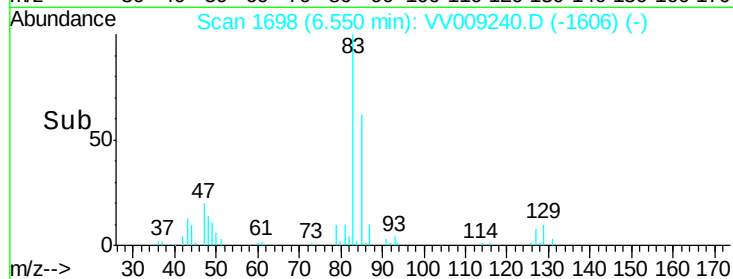
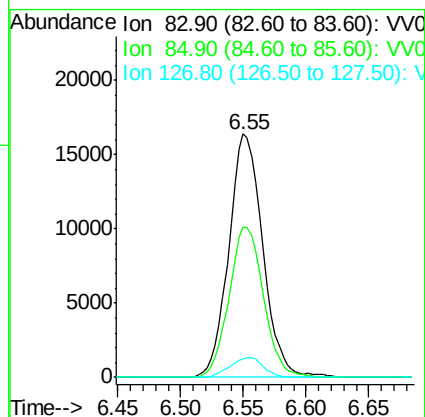
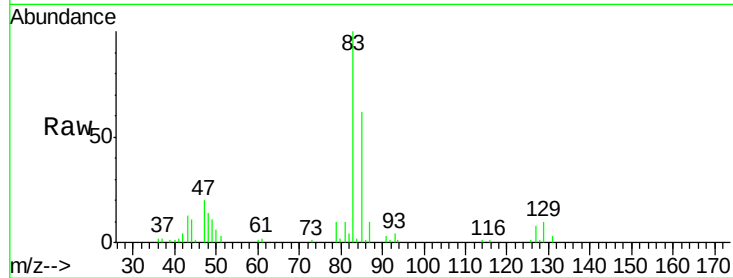
ClientSampleId :

VV0122SBS01

Tot Ion:	83	Resp:	30868
Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.6	78.8
127	7.6	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.455 ug/l

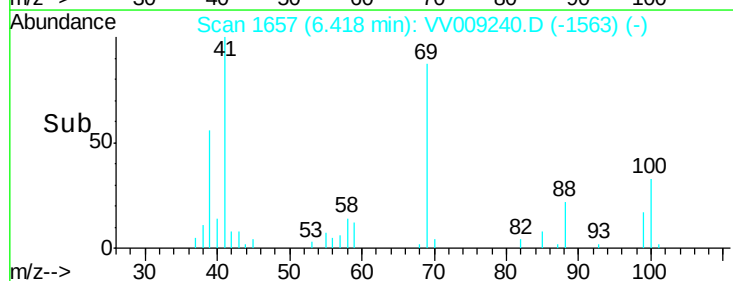
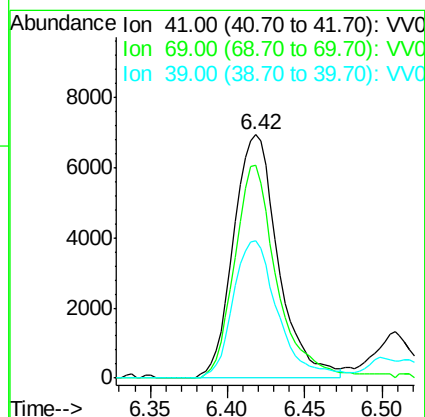
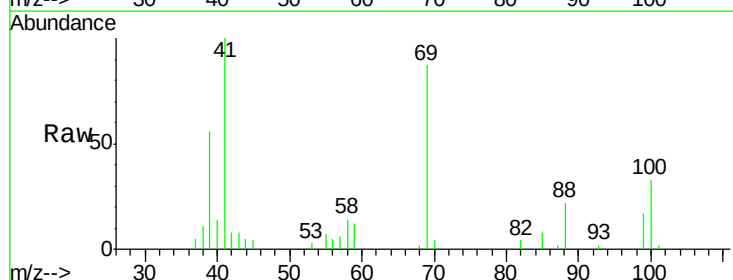
RT: 6.42 min Scan# 1657

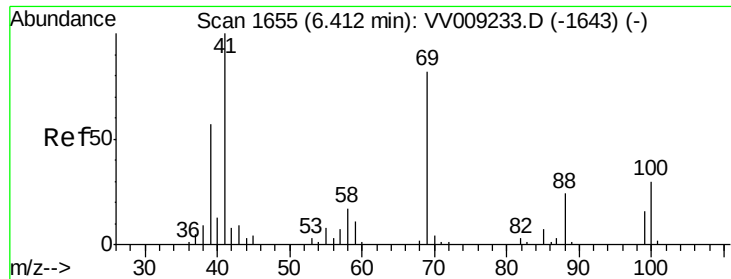
Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion:	41	Resp:	13954
Ion	Ratio	Lower	Upper
41	100		
69	83.6	65.8	98.6
39	56.7	43.4	65.0





#49

1,4-Dioxane

Concen: 436.813 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

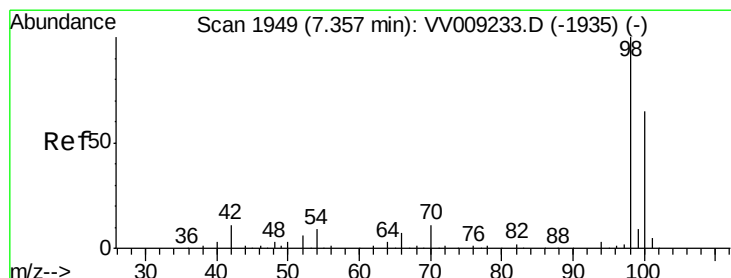
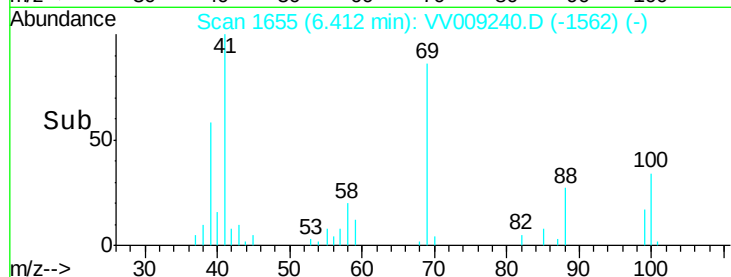
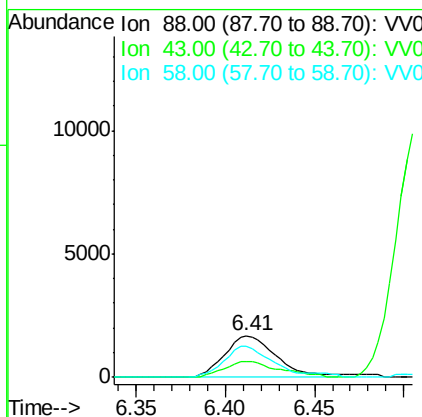
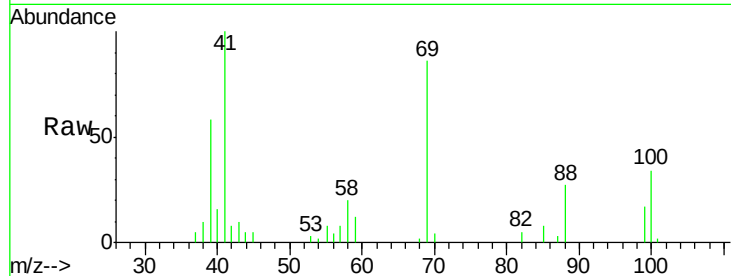
ClientSampleId :

VV0122SBS01

Tot Ion:	88	Resp:	3397
Ion	Ratio	Lower	Upper
88	100		
43	40.9	31.9	47.9
58	67.1	62.0	93.0

Manual Integrations
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#50

Toluene-d8

Concen: 48.306 ug/l

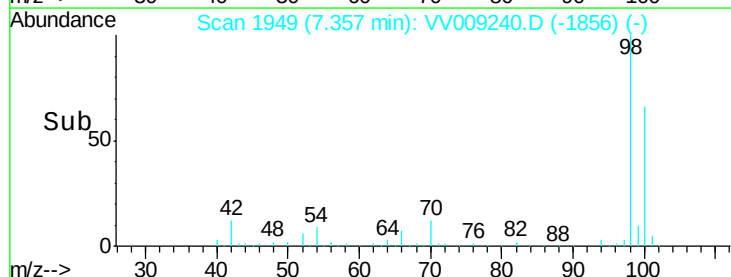
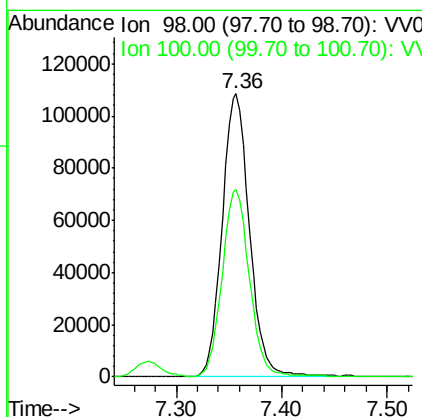
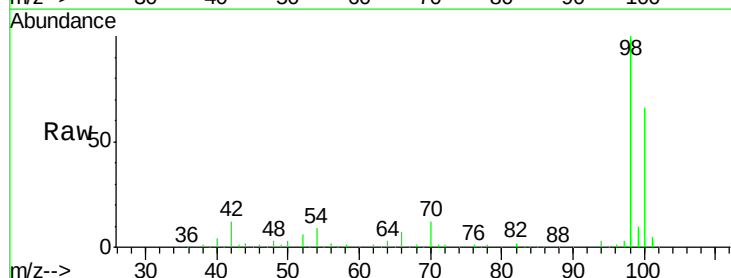
RT: 7.36 min Scan# 1949

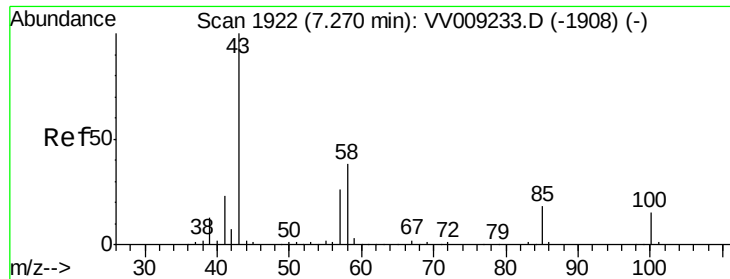
Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion:	98	Resp:	194872
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 101.834 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 43 Resp: 69092

Ion Ratio Lower Upper

43 100

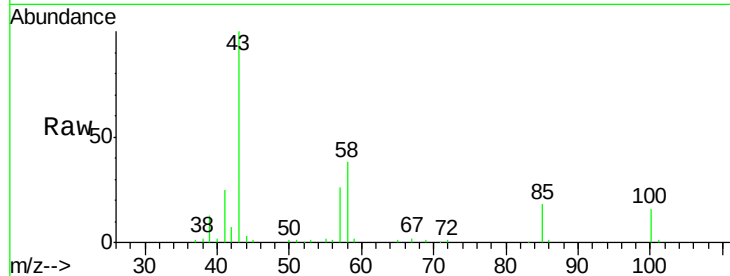
58 38.0 30.4 45.6

Manual Integrations

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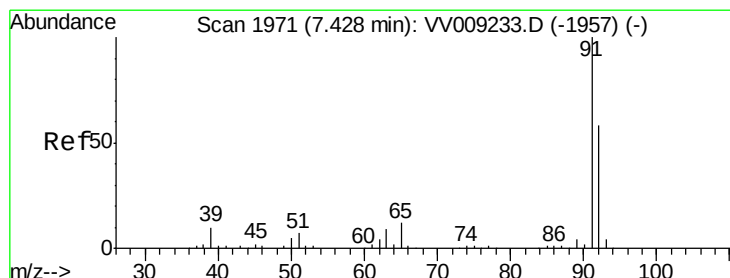
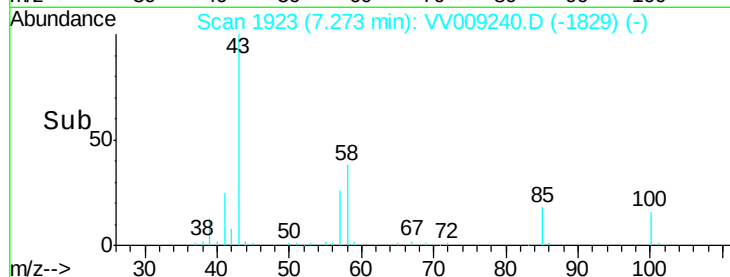
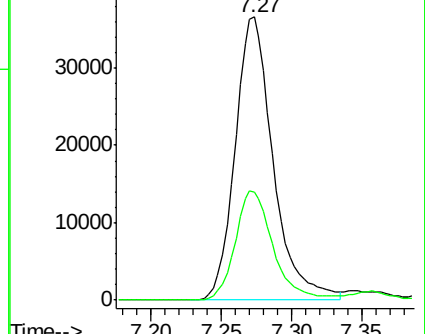
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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#52

Toluene

Concen: 19.002 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009240.D

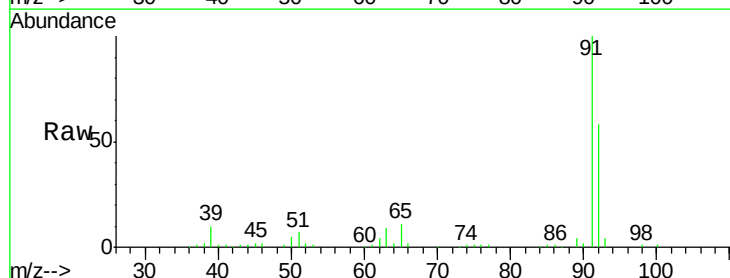
Acq: 22 Jan 2019 18:04

Tgt Ion: 92 Resp: 59455

Ion Ratio Lower Upper

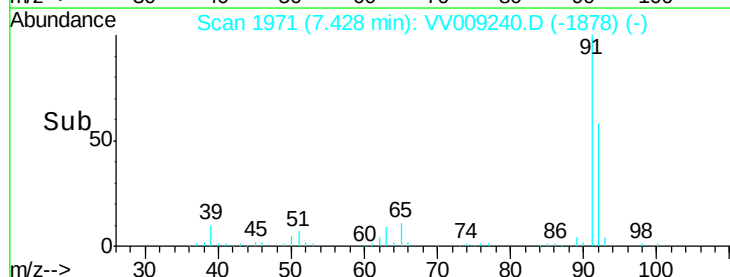
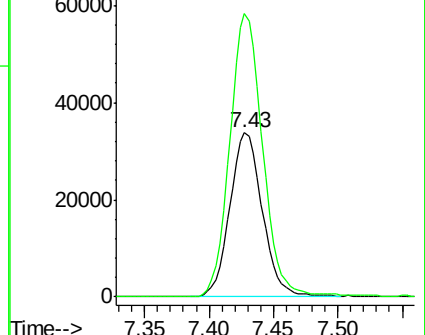
92 100

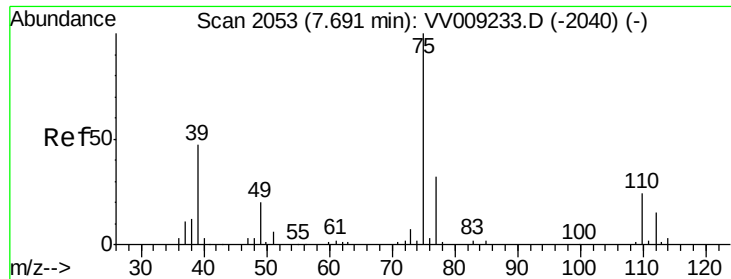
91 174.5 137.2 205.8



Abundance Ion 92.00 (91.70 to 92.70): VV0

Ion 91.00 (90.70 to 91.70): VV0





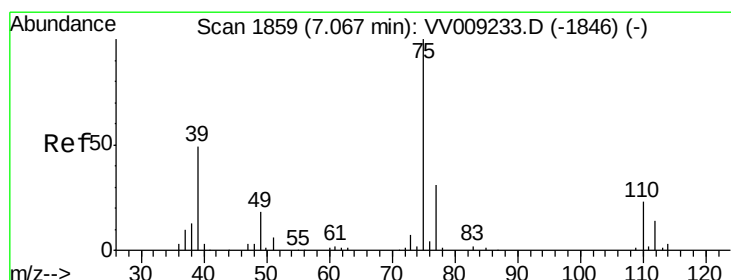
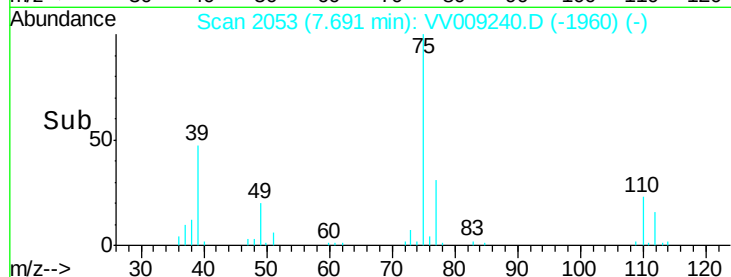
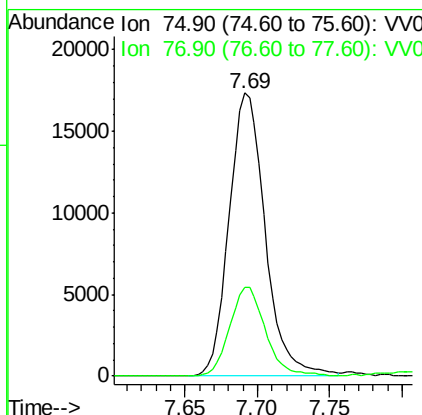
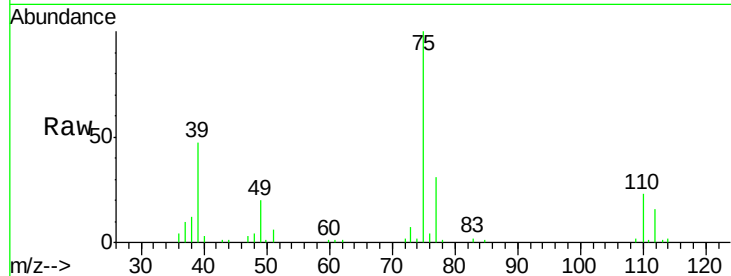
#53
t-1,3-Dichloropropene
Concen: 19.178 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion: 75 Resp: 30113
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.8

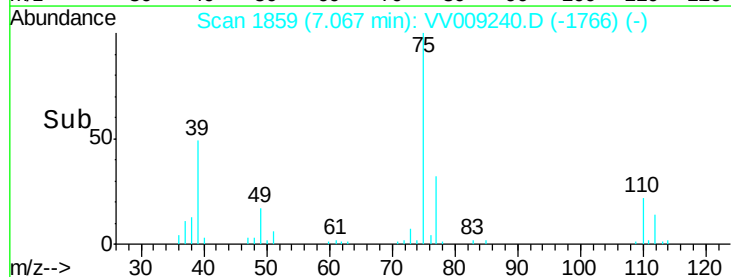
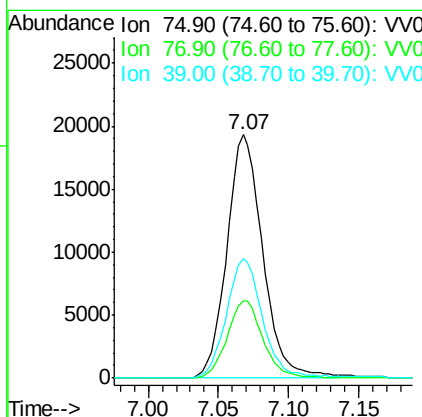
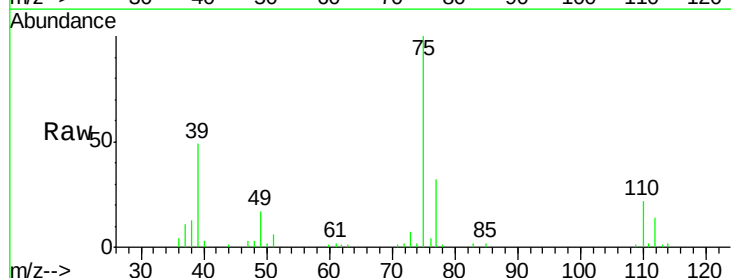
Manual Integrations
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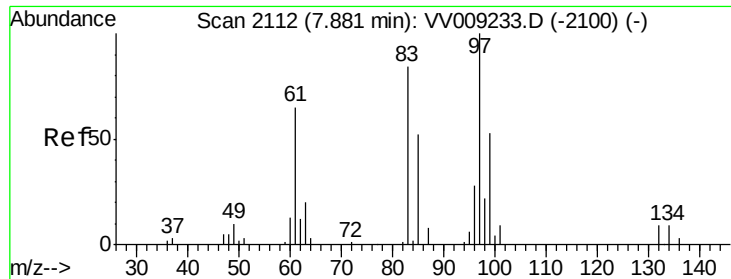
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#54
cis-1,3-Dichloropropene
Concen: 19.019 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion: 75 Resp: 34386
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 49.1 38.8 58.2





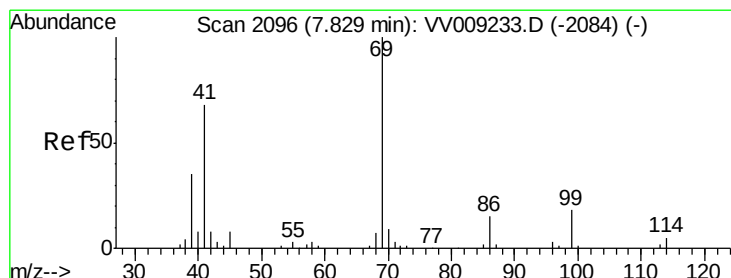
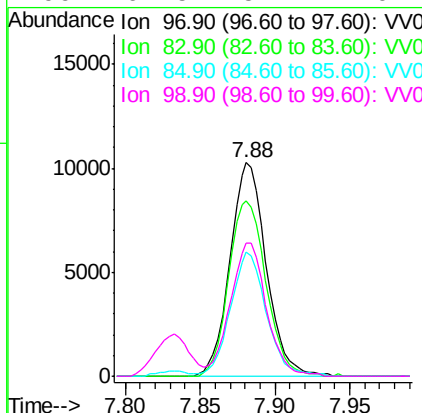
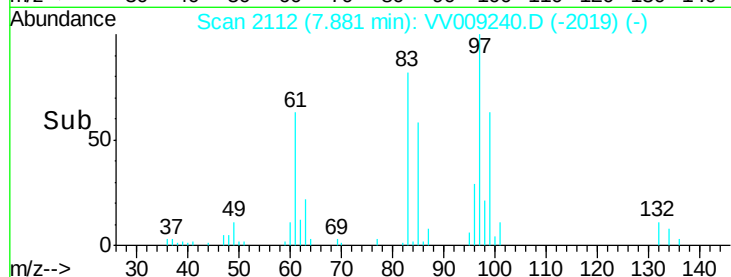
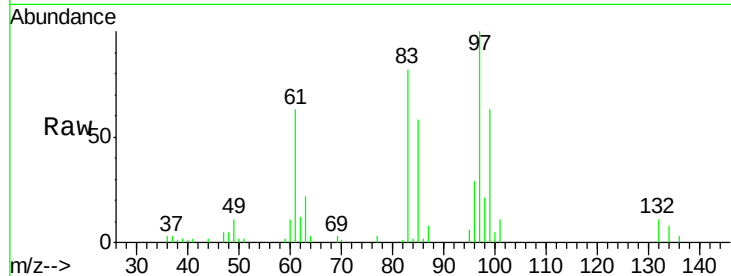
#55
 1,1,2-Trichloroethane
 Concen: 20.170 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		17350		
83	82.1	67.4	101.0		
85	57.9	42.6	64.0		
99	62.5	51.1	76.7		

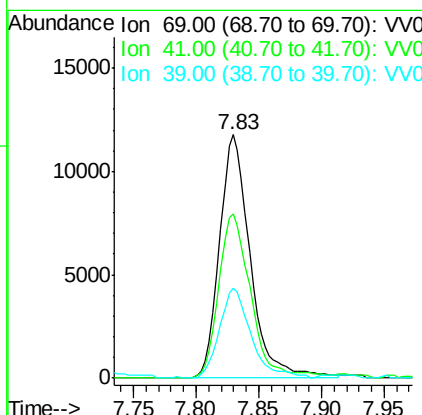
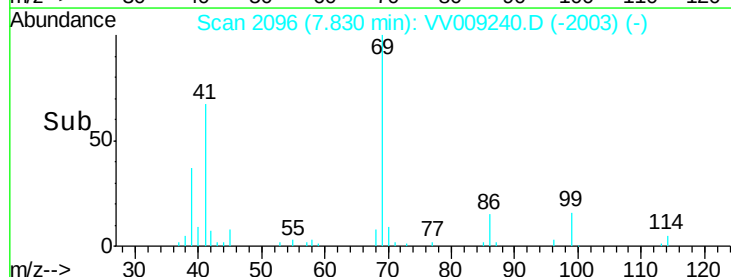
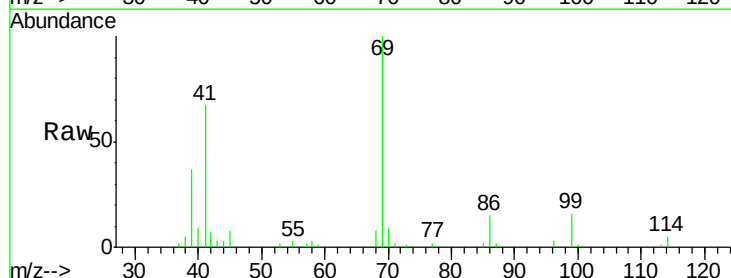
Manual Integrations
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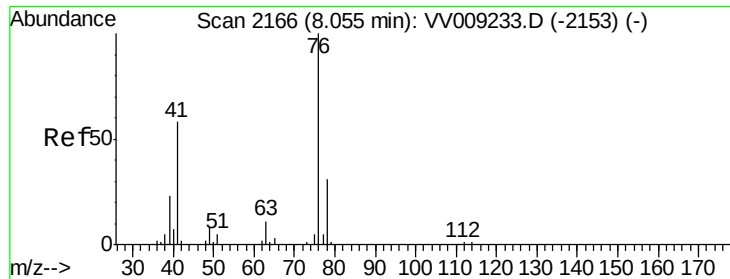
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.001 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		20044		
41	70.4	54.0	81.0		
39	37.7	26.8	40.2		





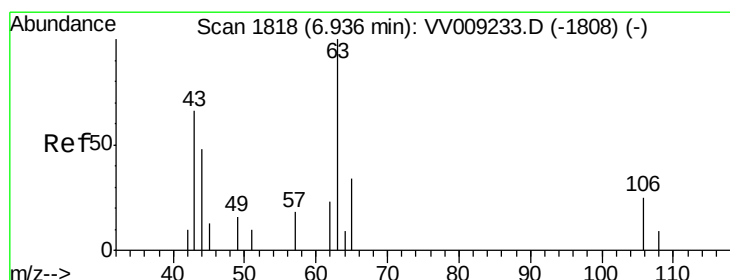
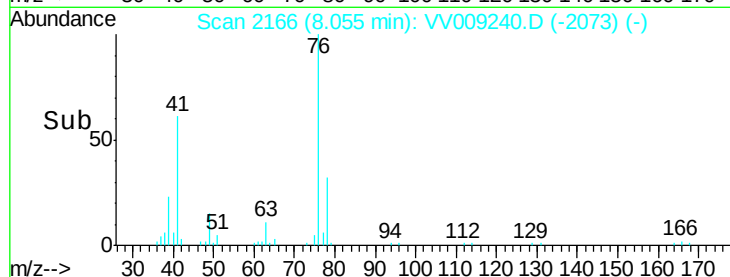
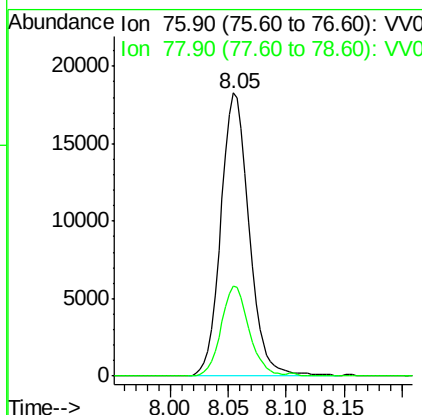
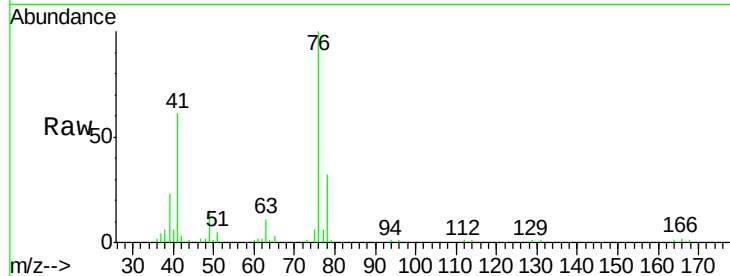
#57
 1,3-Dichloropropane
 Concen: 19.883 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	76	Resp	30966
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

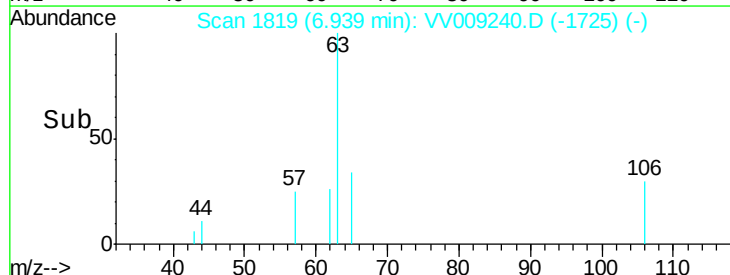
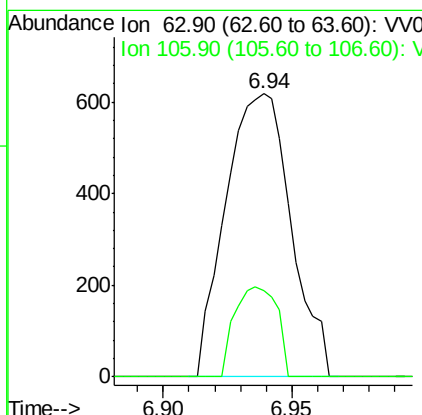
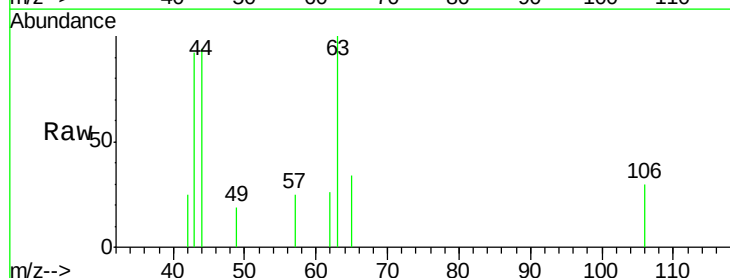
Manual Integrations
 APPROVED

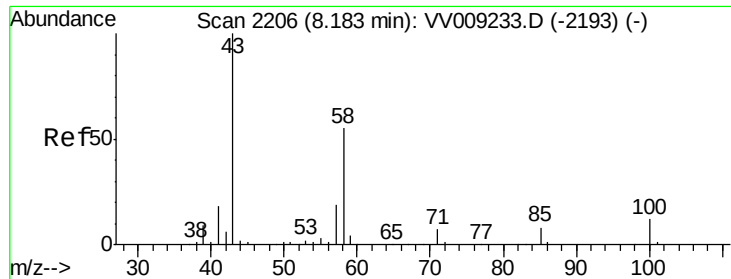
MMDadoda
 1/24/2019 11:44:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 69.855 ug/l
 RT: 6.94 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion	63	Resp	1094
Ion	Ratio	Lower	Upper
63	100		
106	20.6	19.0	28.6





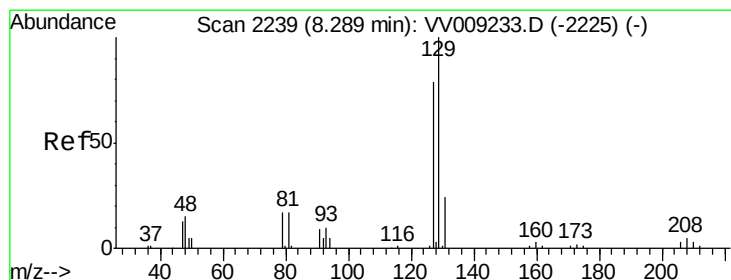
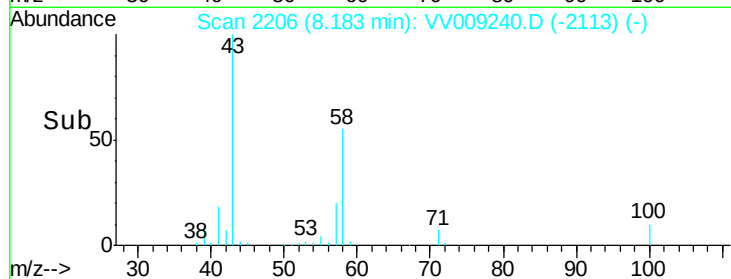
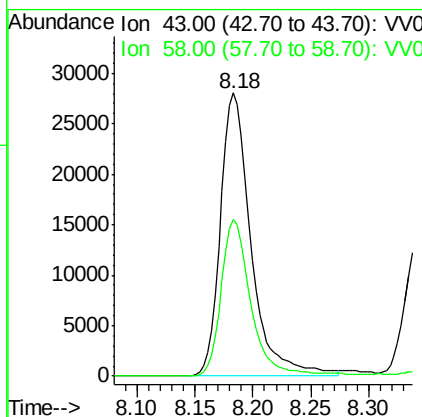
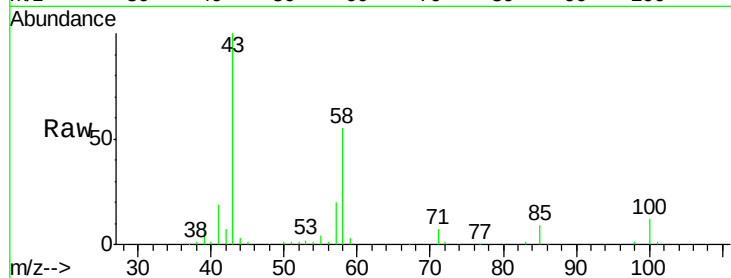
#59
2-Hexanone
Concen: 105.139 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	43	Resp	51595
Ion Ratio	100	Lower	Upper
43	100		
58	52.8	27.5	82.5

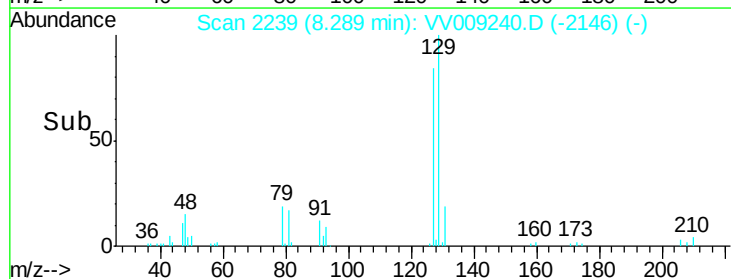
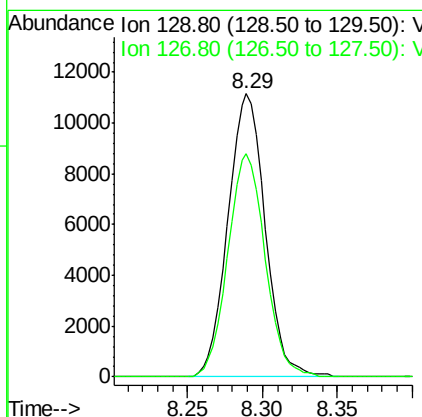
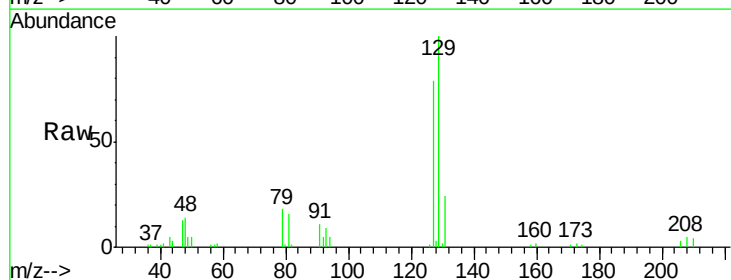
Manual Integrations
APPROVED

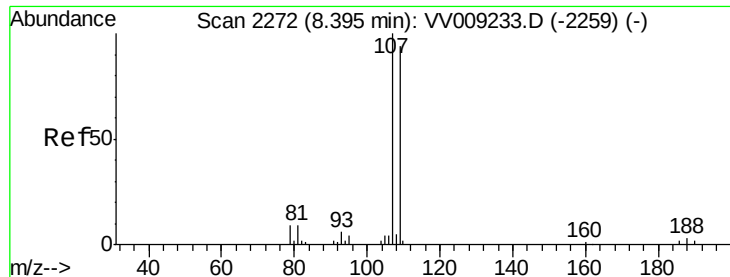
MMDadoda
1/24/2019 11:44:43 AM



#60
Dibromochloromethane
Concen: 19.155 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	129	Resp	19292
Ion Ratio	100	Lower	Upper
129	100		
127	79.1	38.8	116.4





#61

1,2-Dibromoethane

Concen: 20.821 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion:107 Resp: 17514

Ion Ratio Lower Upper

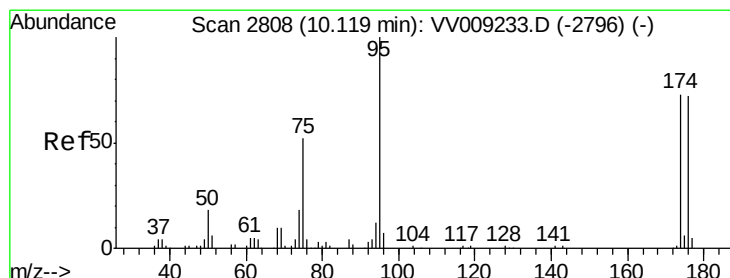
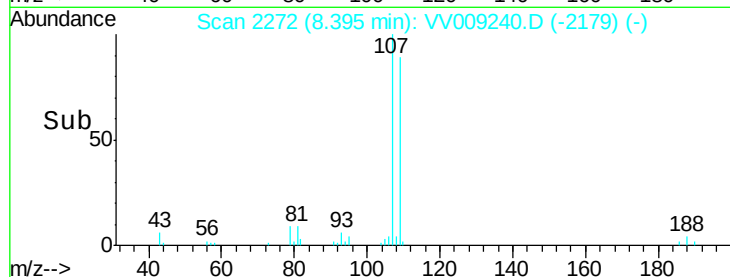
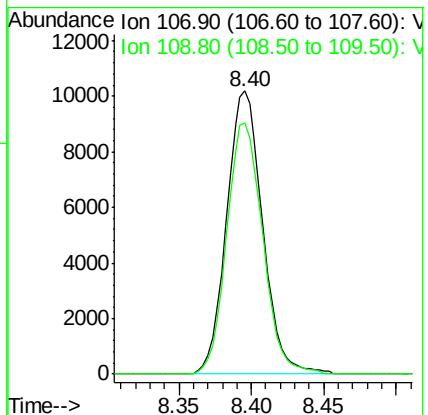
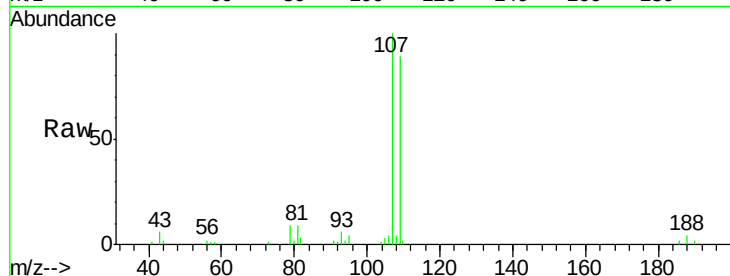
107 100

109 89.2 76.2 114.2

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#62

4-Bromofluorobenzene

Concen: 47.961 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

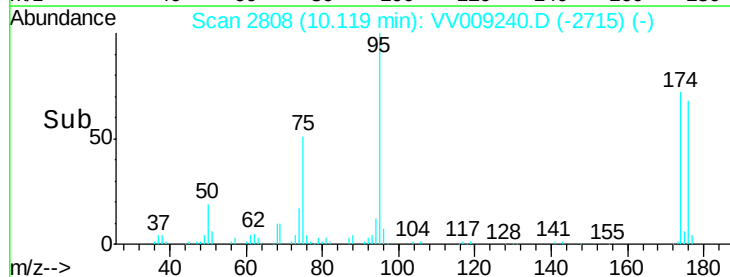
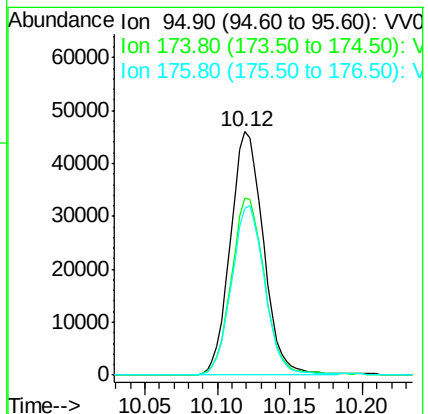
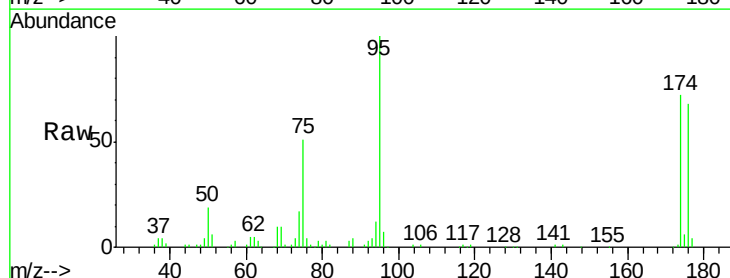
Tgt Ion: 95 Resp: 72906

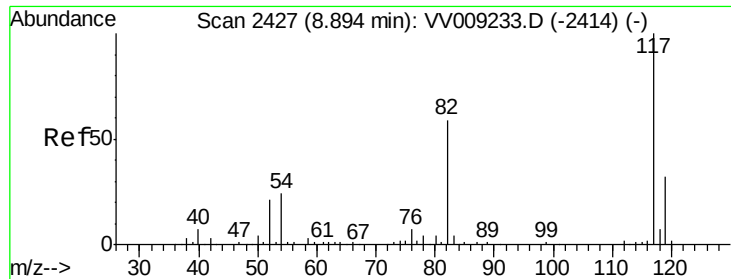
Ion Ratio Lower Upper

95 100

174 73.1 0.0 148.2

176 69.7 0.0 143.0





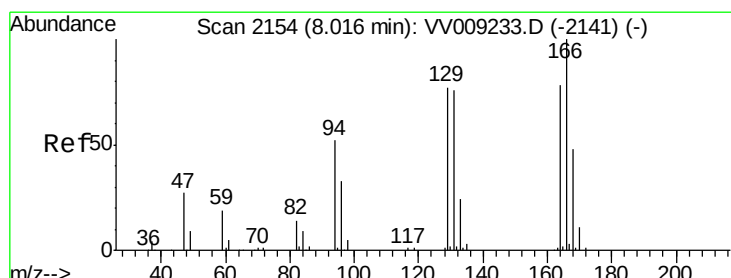
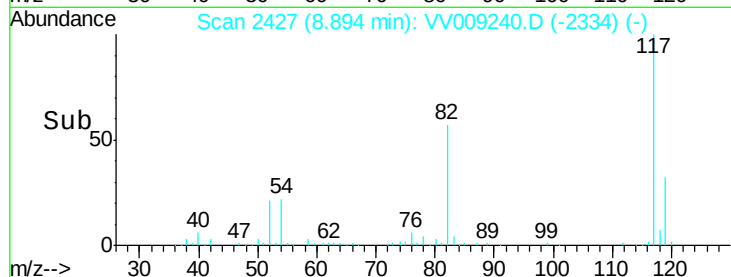
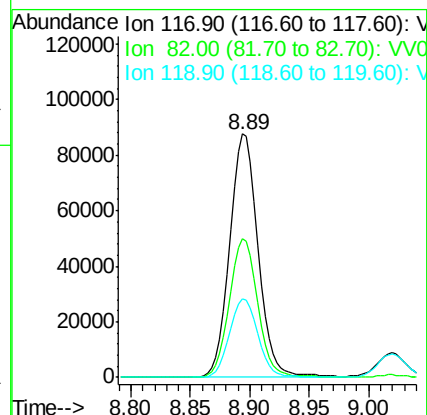
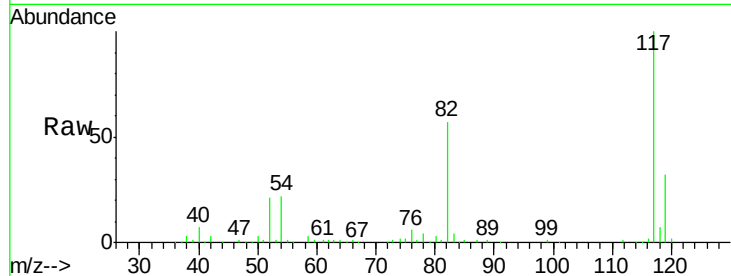
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.0	70.6
119	32.0	25.4	38.2

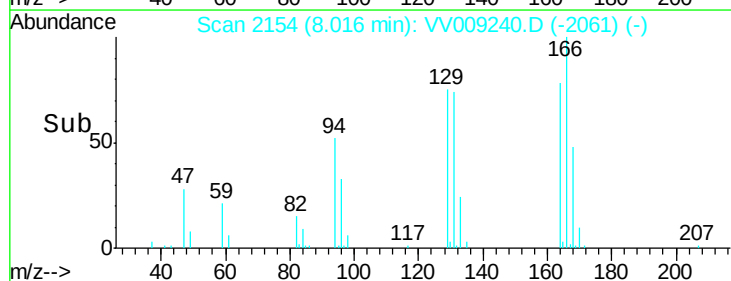
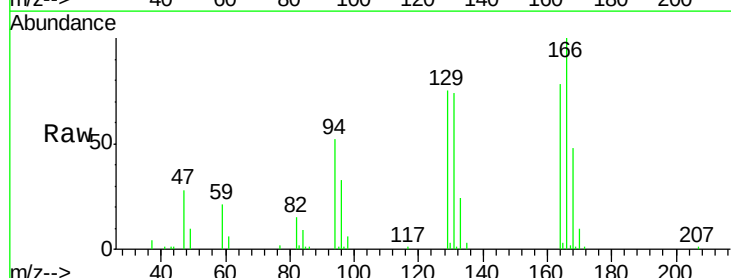
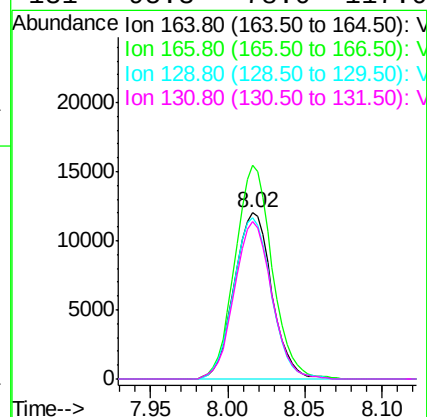
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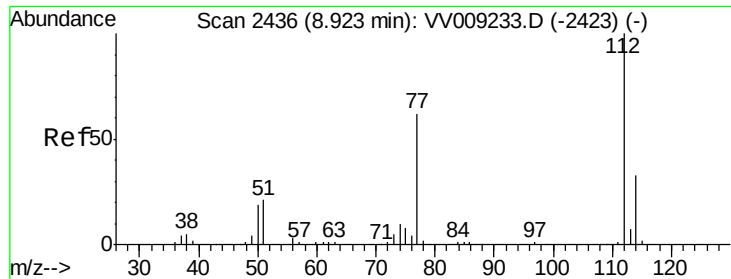
MMDadoda
1/24/2019 11:44:43 AM



#64
Tetrachloroethene
Concen: 19.620 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.1	153.1
129	97.1	78.1	117.1
131	95.3	78.0	117.0





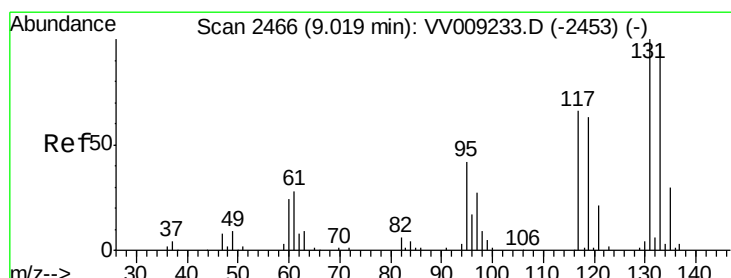
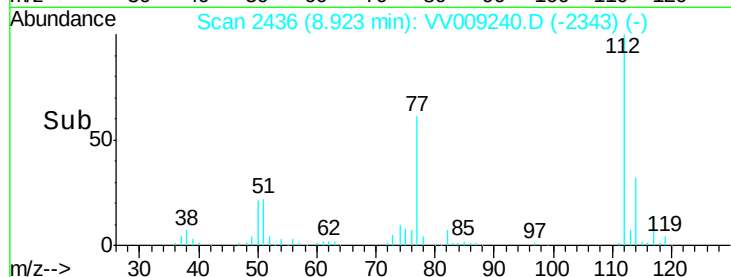
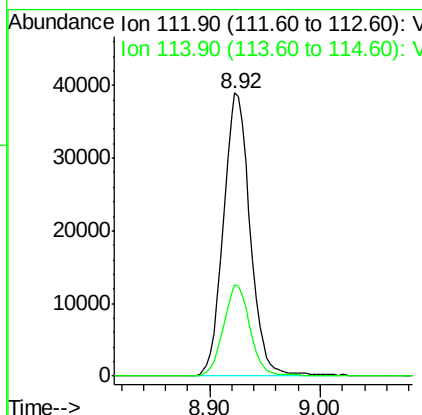
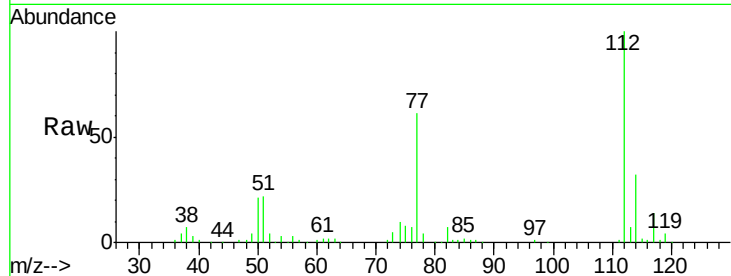
#65
Chlorobenzene
Concen: 19.447 ug/l
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion:112 Resp: 65811
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0

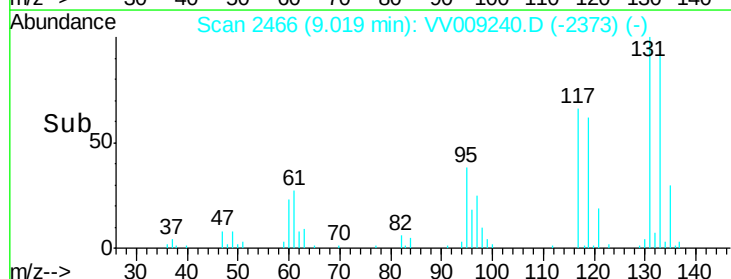
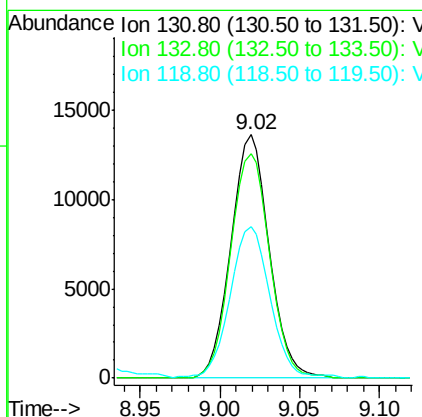
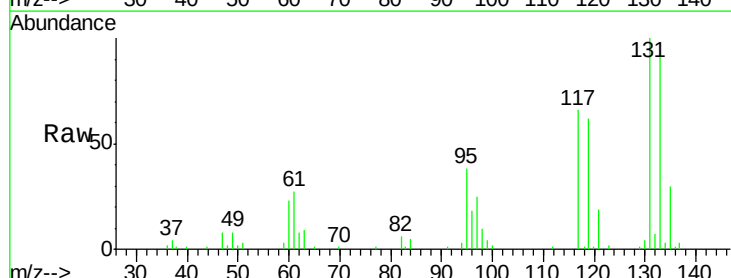
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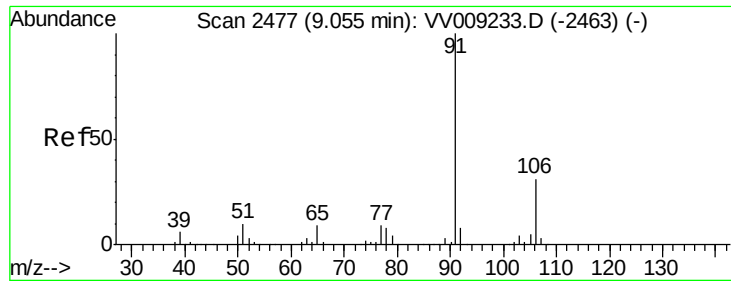
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.158 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion:131 Resp: 22157
Ion Ratio Lower Upper
131 100
133 94.2 48.3 144.9
119 64.9 31.2 93.6





#67

Ethyl Benzene

Concen: 19.051 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 91 Resp: 114857

Ion Ratio Lower Upper

91 100

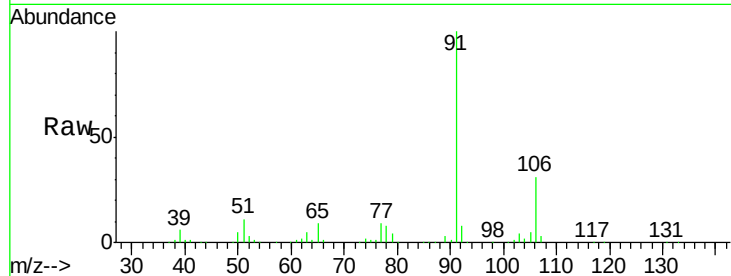
106 31.1 24.6 37.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

120000

100000

80000

60000

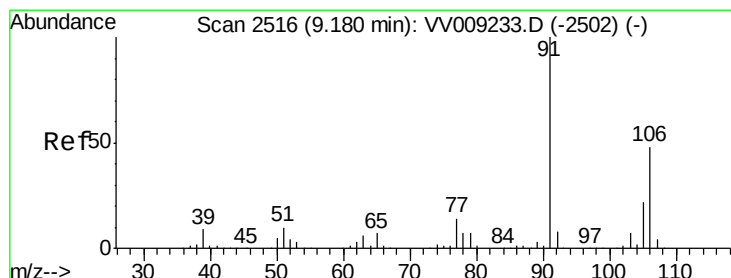
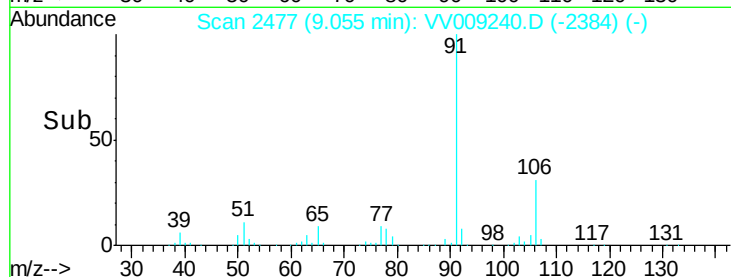
40000

20000

0

9.00 9.05 9.10 9.15

Time-->



#68

m/p-Xylenes

Concen: 37.699 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009240.D

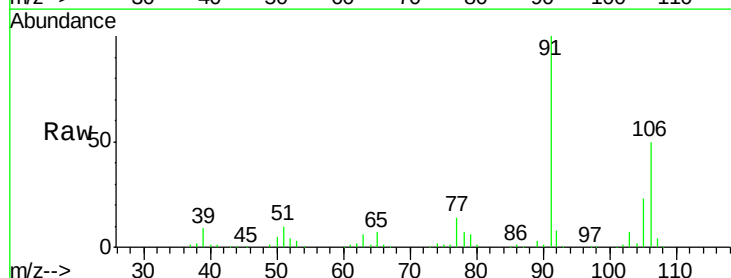
Acq: 22 Jan 2019 18:04

Tgt Ion: 106 Resp: 86285

Ion Ratio Lower Upper

106 100

91 208.5 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

120000

100000

80000

60000

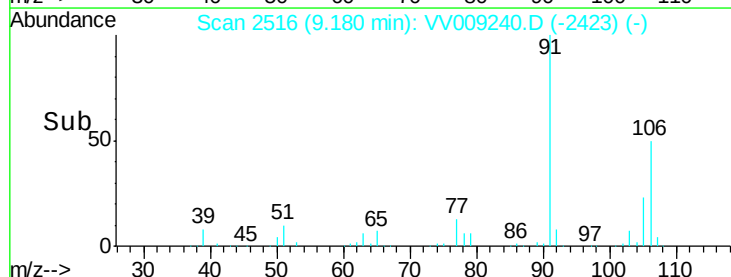
40000

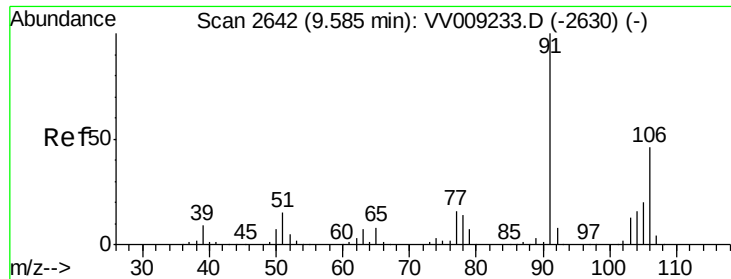
20000

0

9.10 9.15 9.20 9.25

Time-->





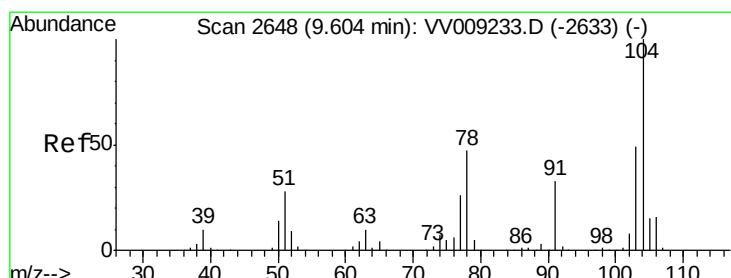
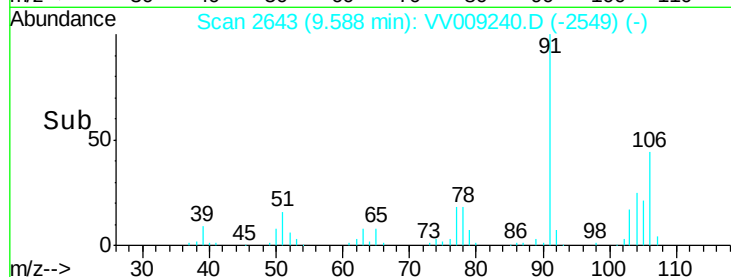
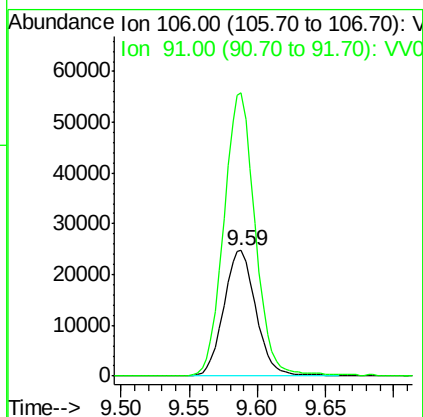
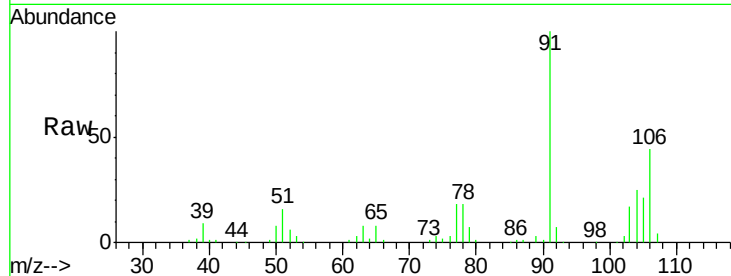
#69
o-Xylene
Concen: 19.203 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion:106 Resp: 40747
Ion Ratio Lower Upper
106 100
91 218.1 109.3 327.8

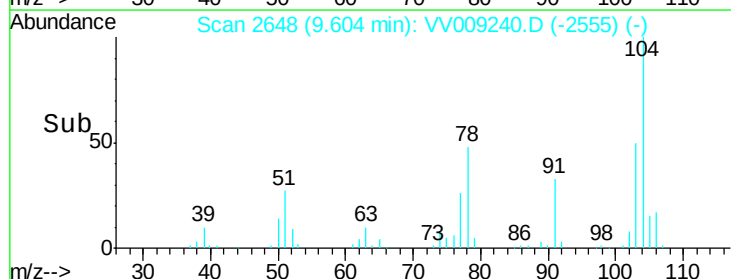
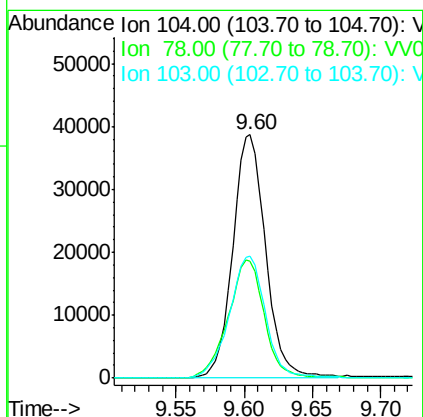
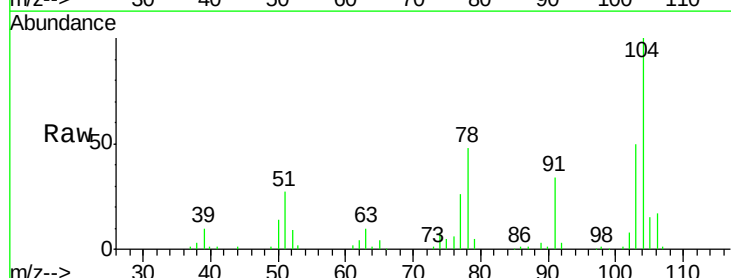
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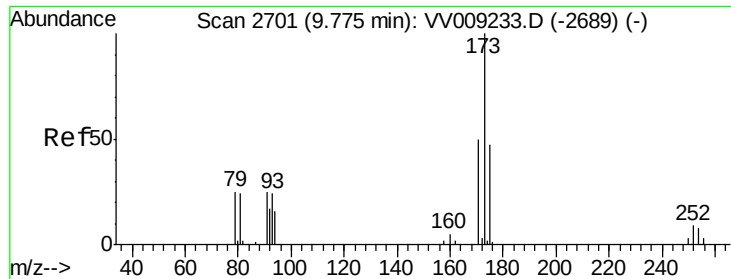
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#70
Styrene
Concen: 19.174 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion:104 Resp: 64935
Ion Ratio Lower Upper
104 100
78 53.0 43.1 64.7
103 54.9 43.8 65.8





#71

Bromoform

Concen: 19.500 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

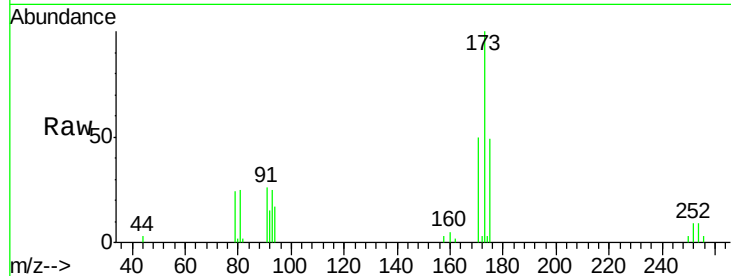
ClientSampleId :

VV0122SBS01

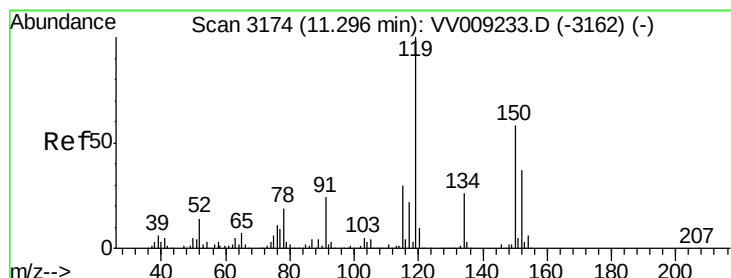
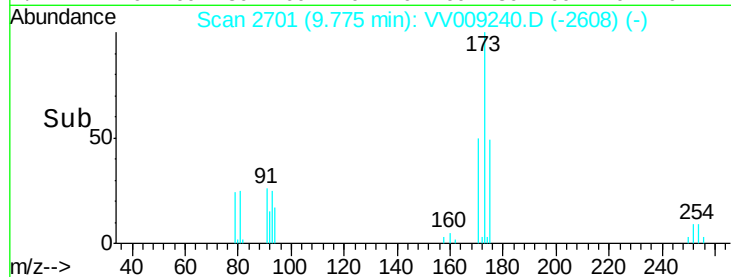
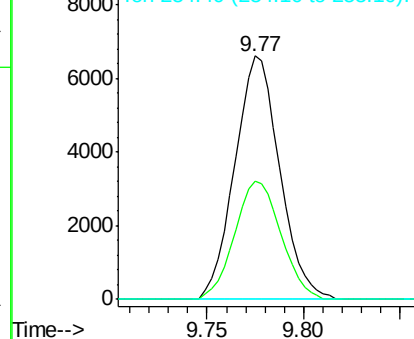
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.4	70.0
254	0.0	0.0	0.0

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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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

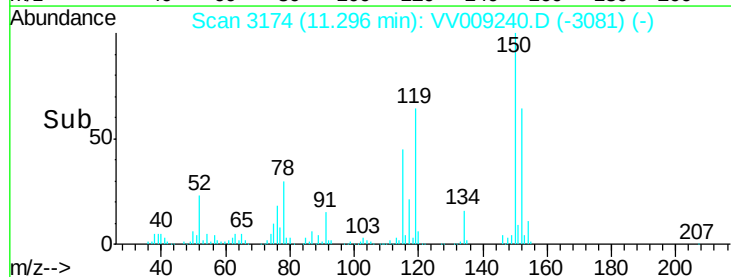
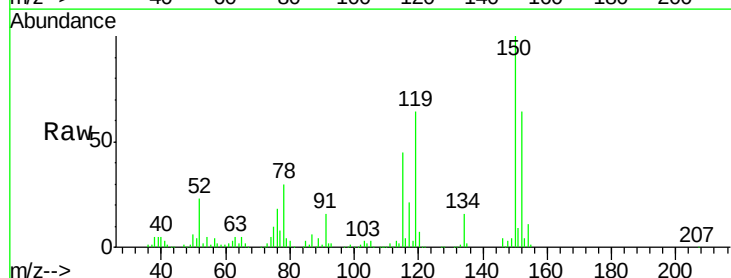
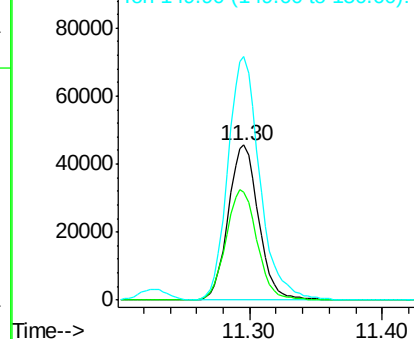
Delta R.T. 0.00 min

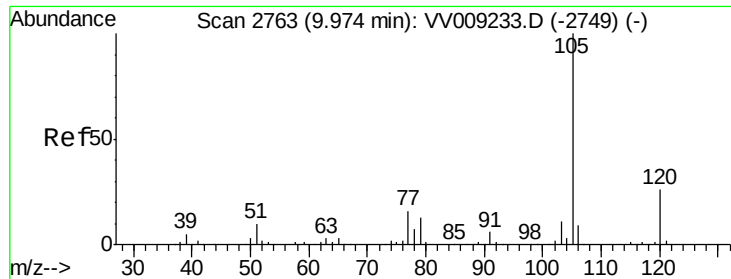
Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.3	45.0	134.8
150	165.1	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: 18.887 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 105 Resp: 113071

Ion Ratio Lower Upper

105 100

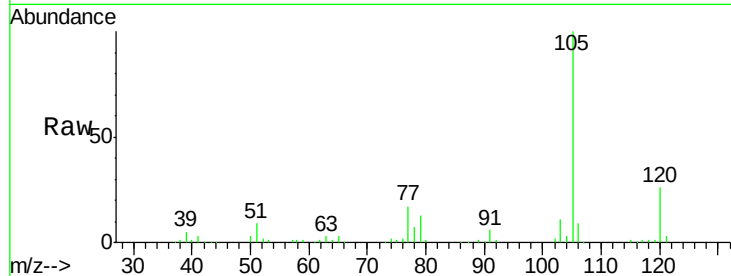
120 26.0 12.9 38.7

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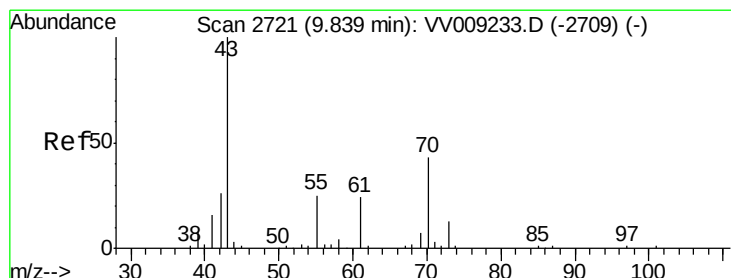
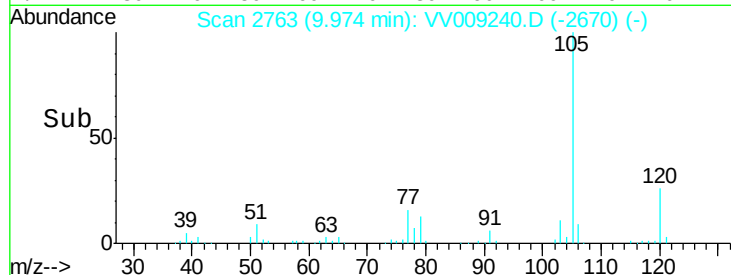
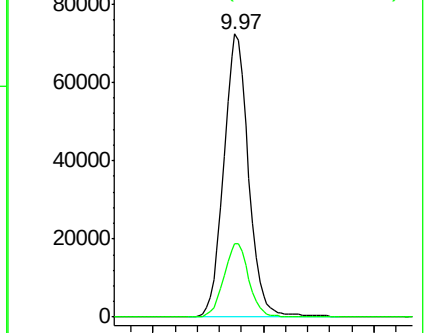
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.393 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion: 43 Resp: 22576

Ion Ratio Lower Upper

43 100

70 42.1 33.0 49.6

55 23.4 18.7 28.1

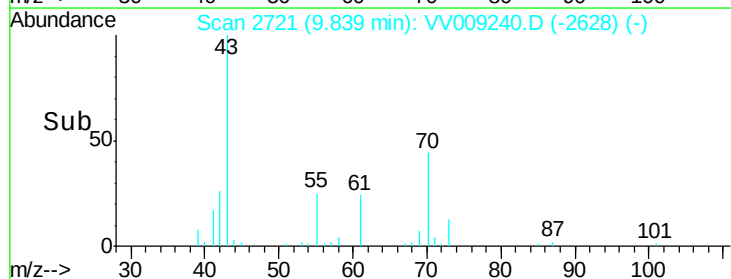
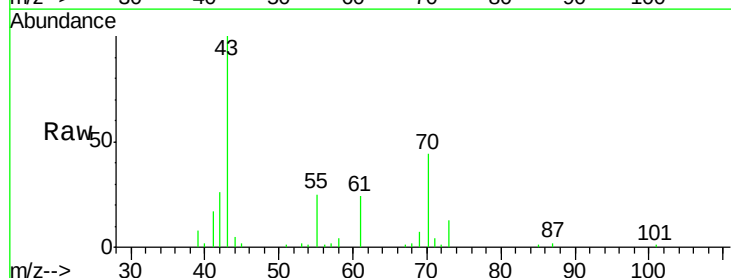
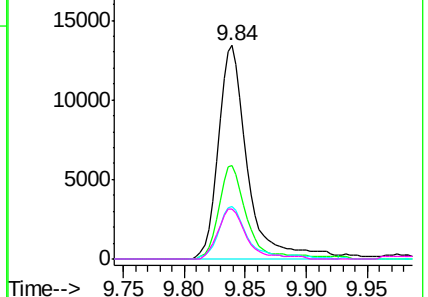
61 23.1 18.0 27.0

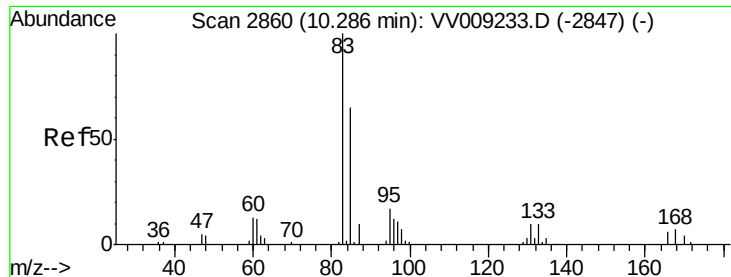
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 21.016 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

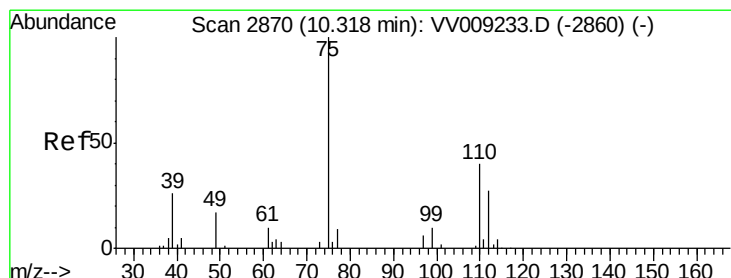
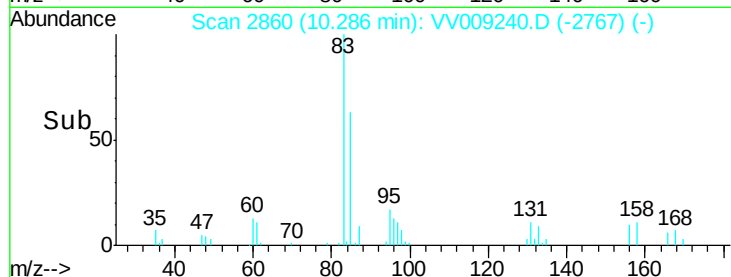
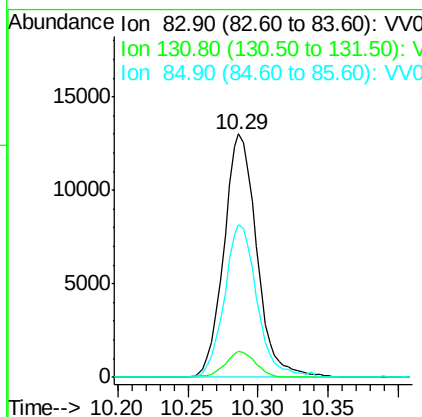
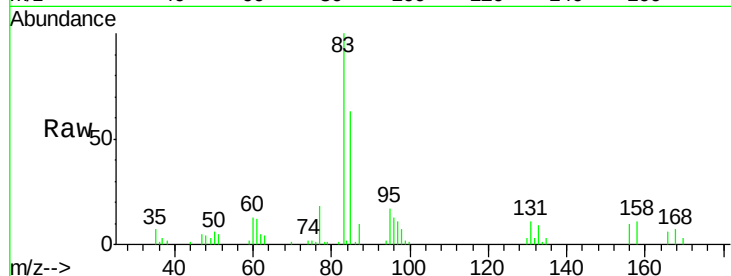
ClientSampleId :

VV0122SBS01

Tot Ion:	83	Resp:	21211
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	62.1	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 20.990 ug/l m

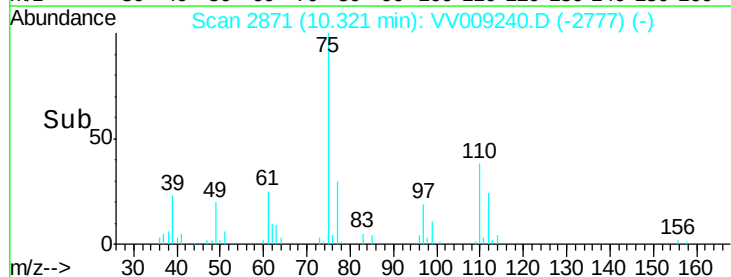
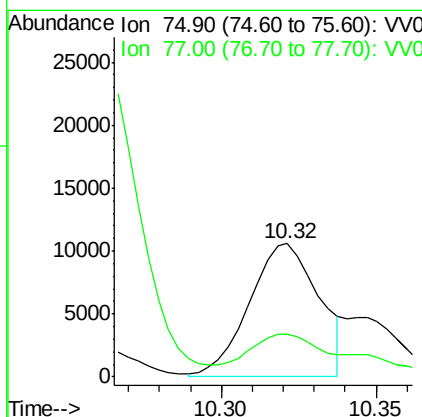
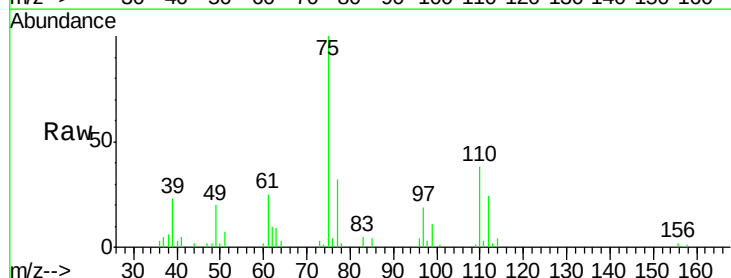
RT: 10.32 min Scan# 2871

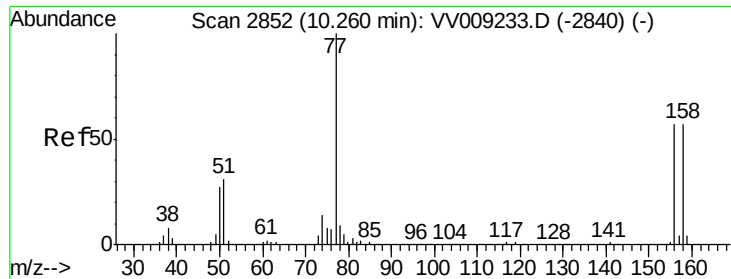
Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion:	75	Resp:	16660
Ion Ratio	Lower	Upper	
75	100		
77	47.7	24.6	73.8





#77

Bromobenzene

Concen: 19.541 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Instrument :

MSVOA_V

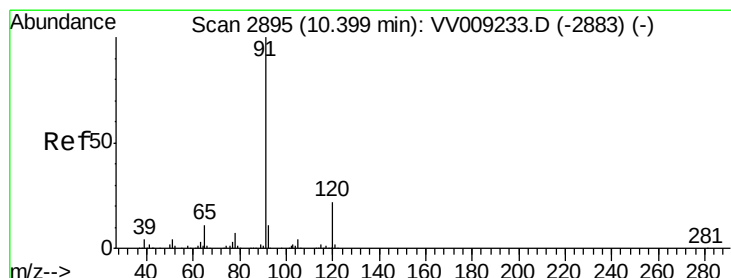
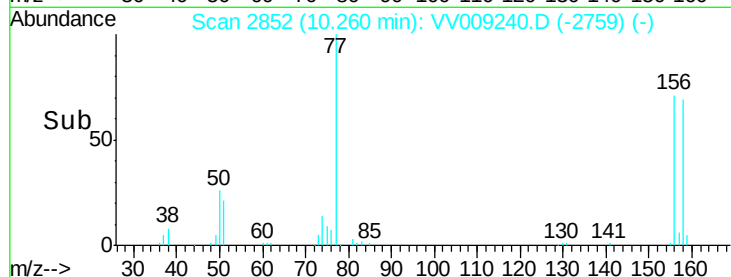
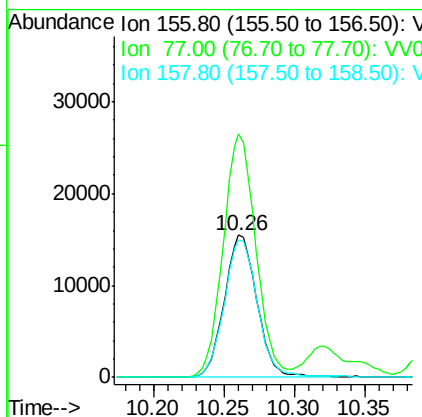
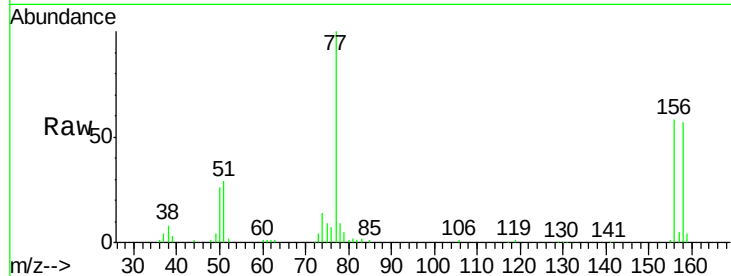
ClientSampleId :

VV0122SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.8	86.0	258.0
158	98.5	49.8	149.3

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#78

n-propylbenzene

Concen: 18.984 ug/l

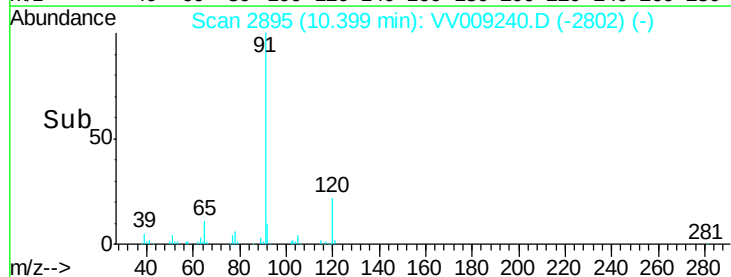
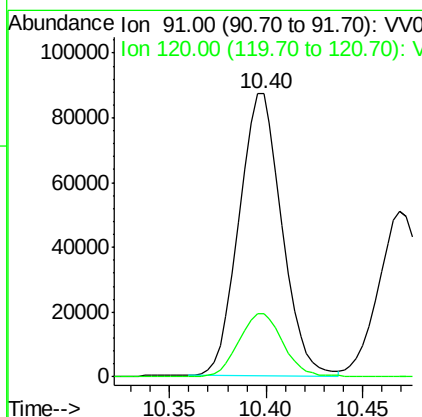
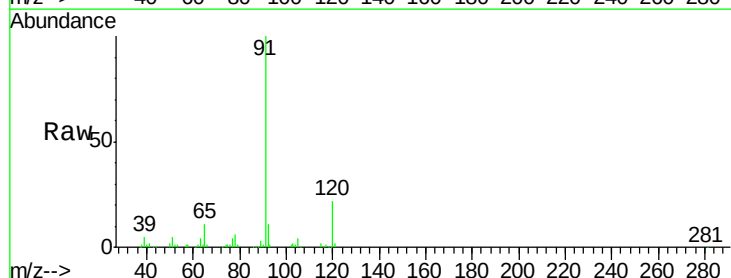
RT: 10.40 min Scan# 2895

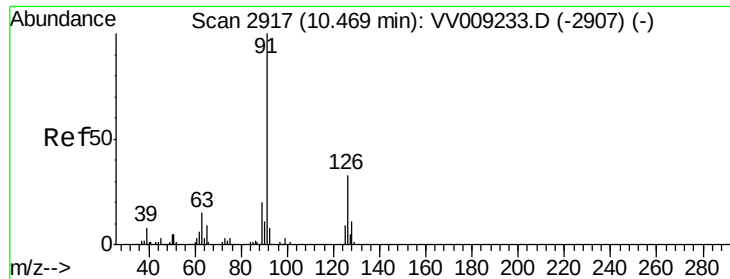
Delta R.T. 0.00 min

Lab File: VV009240.D

Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.4





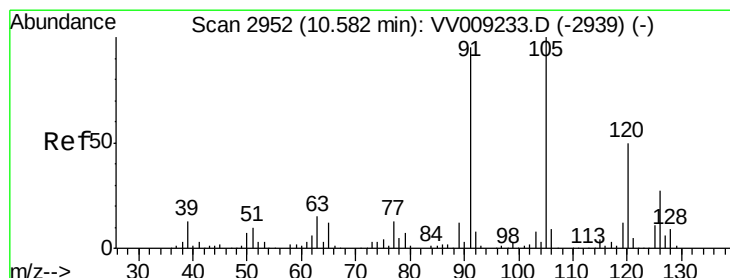
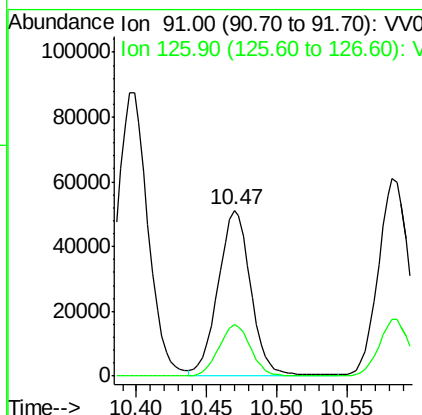
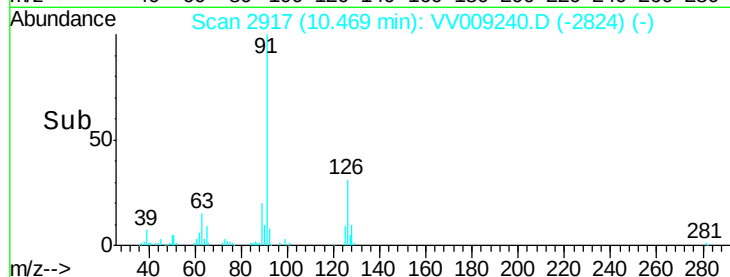
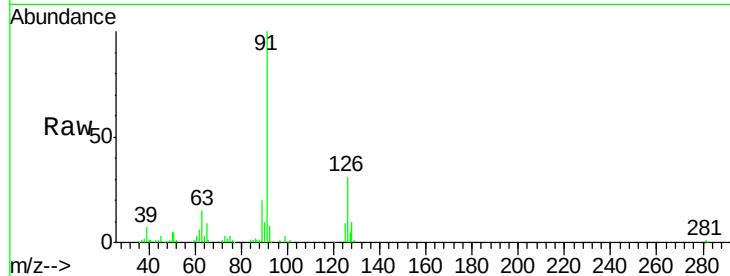
#79
 2-Chlorotoluene
 Concen: 19.120 ug/l
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion: 91 Resp: 81873
 Ion Ratio Lower Upper
 91 100
 126 30.8 16.2 48.6

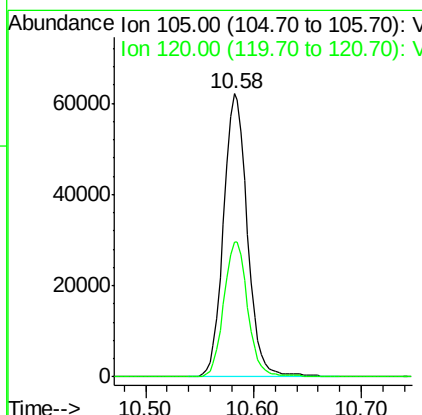
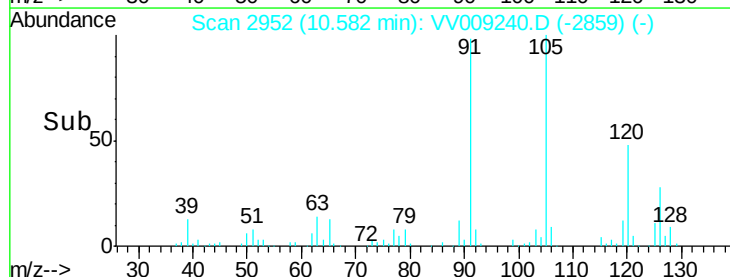
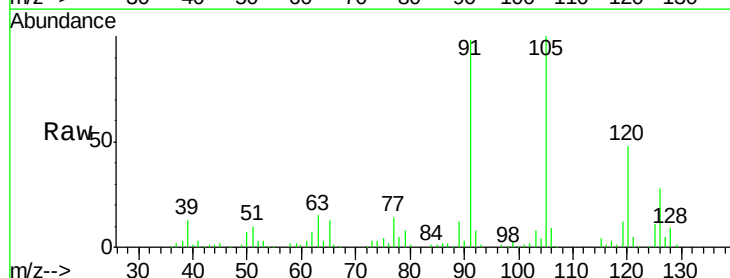
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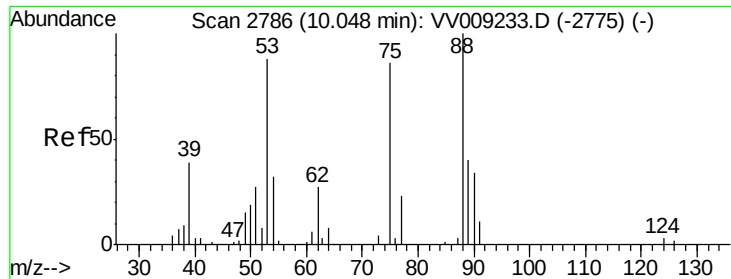
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.090 ug/l
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion: 105 Resp: 95844
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 73.0





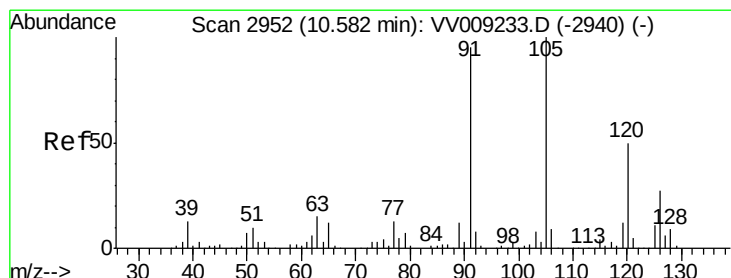
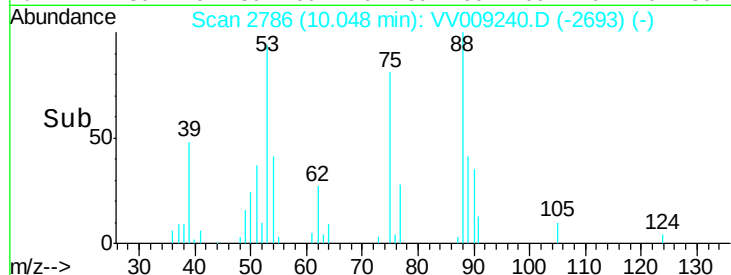
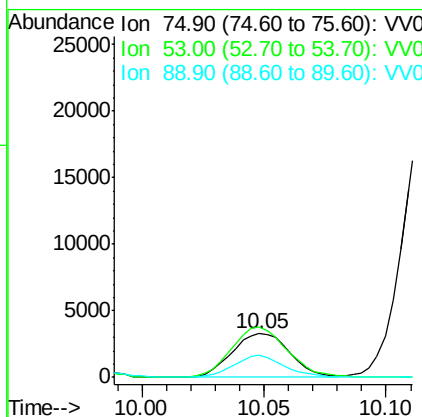
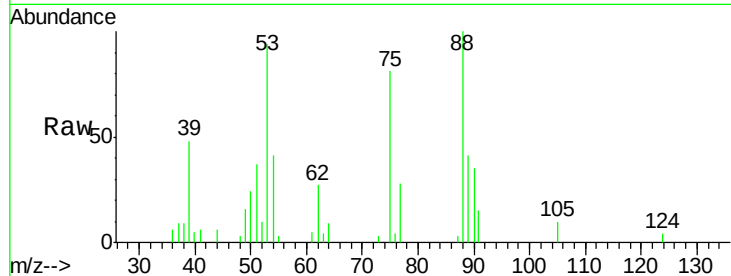
#81
trans-1,4-Dichloro-2-butene
Concen: 19.285 ug/l
RT: 10.05 min Scan# 2786
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.1	82.1	123.1
89	43.9	36.2	54.4

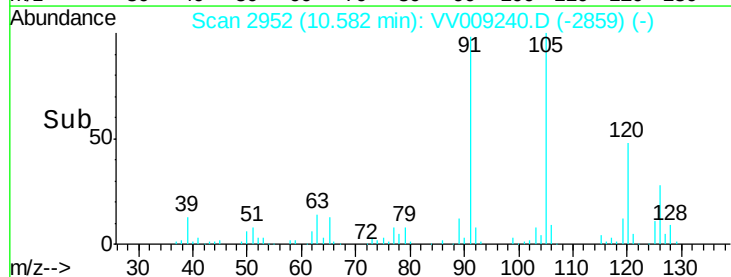
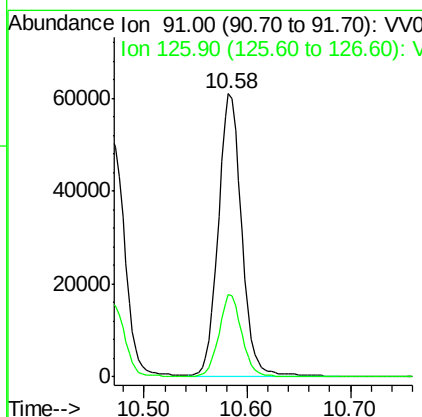
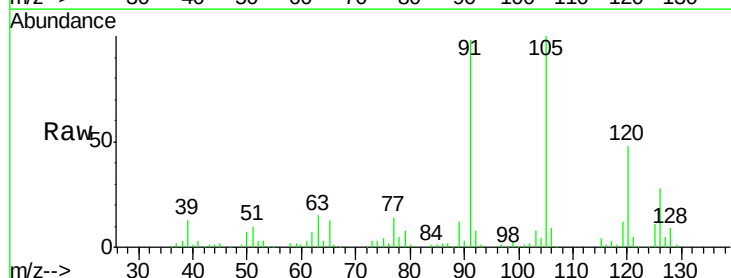
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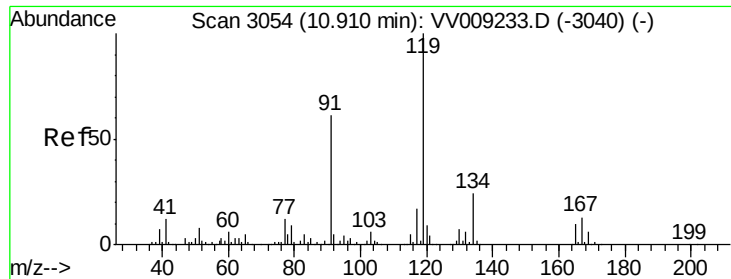
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#82
4-Chlorotoluene
Concen: 19.174 ug/l
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.3	42.9





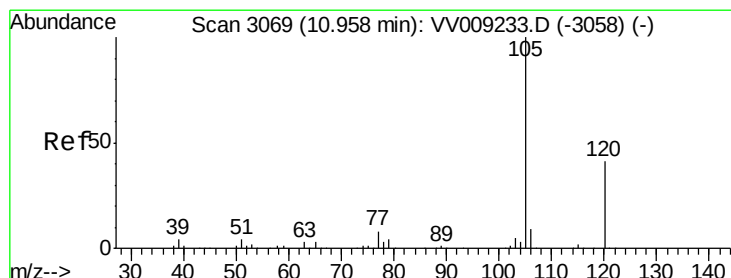
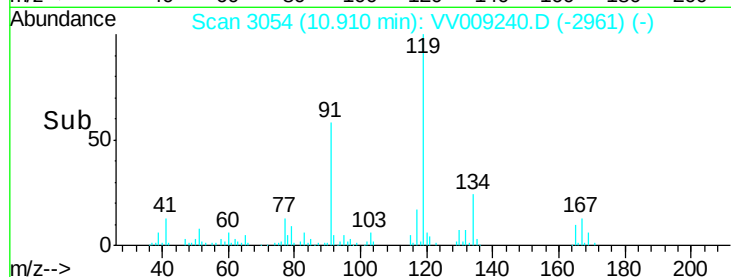
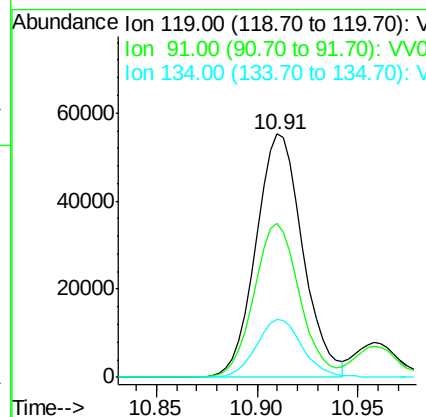
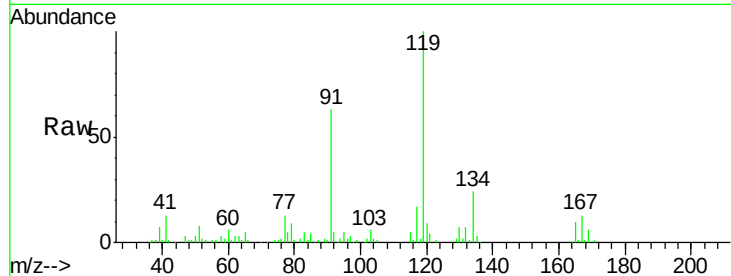
#83
tert-Butylbenzene
Concen: 18.758 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	89678		
91	61.4	30.0	90.1	
134	23.6	11.9	35.7	

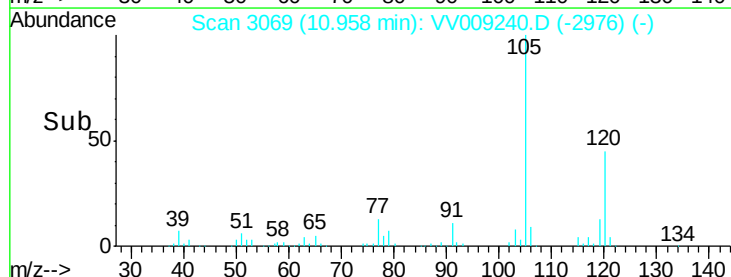
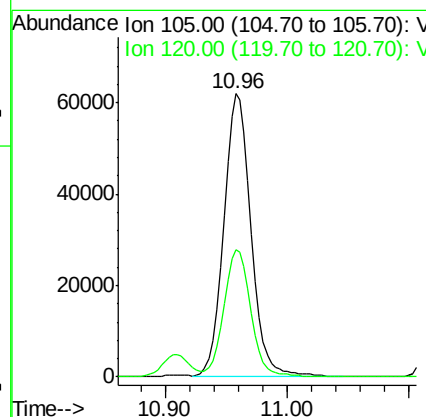
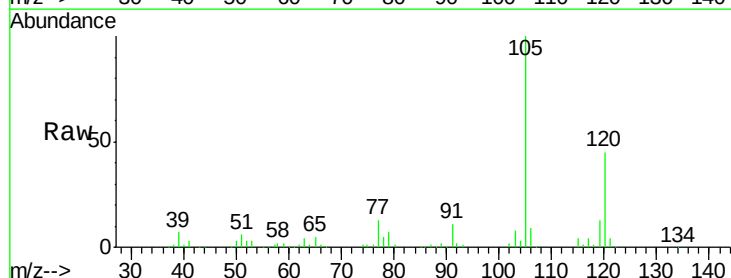
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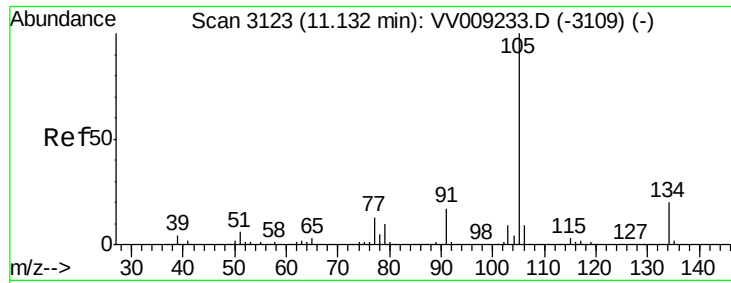
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#84
1,2,4-Trimethylbenzene
Concen: 19.224 ug/l
RT: 10.96 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	97367		
120	44.8	22.6	67.7	





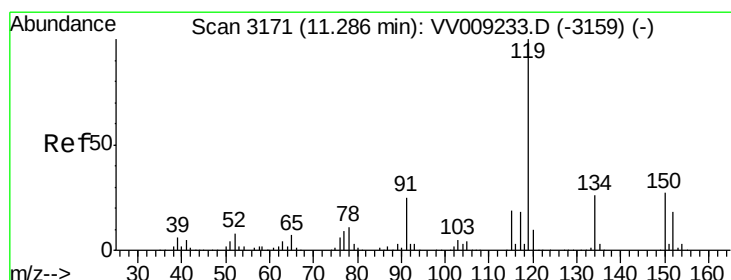
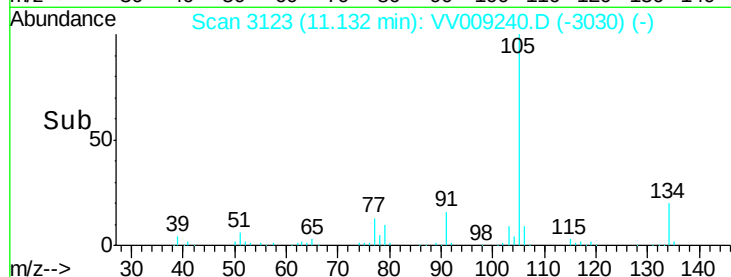
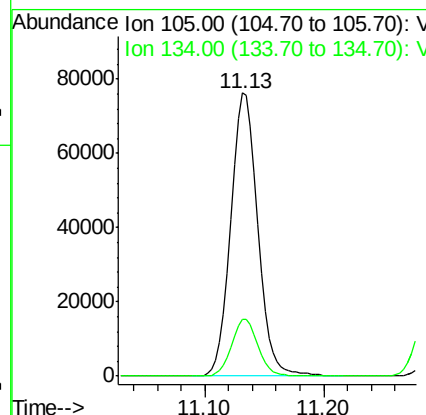
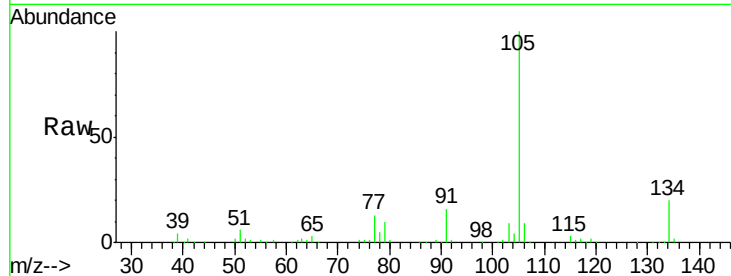
#85
 sec-Butylbenzene
 Concen: 19.173 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion:105 Resp: 120052
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.1 30.3

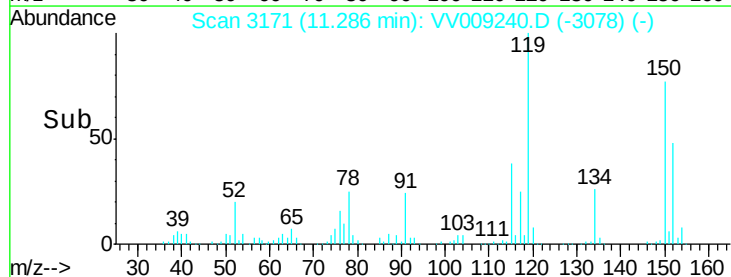
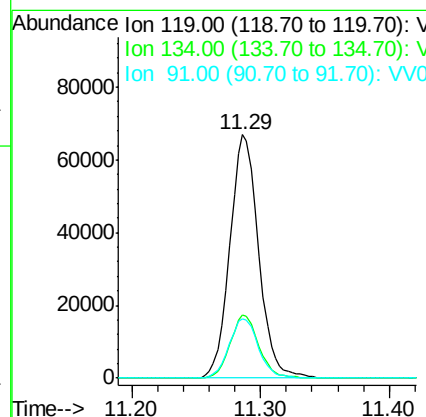
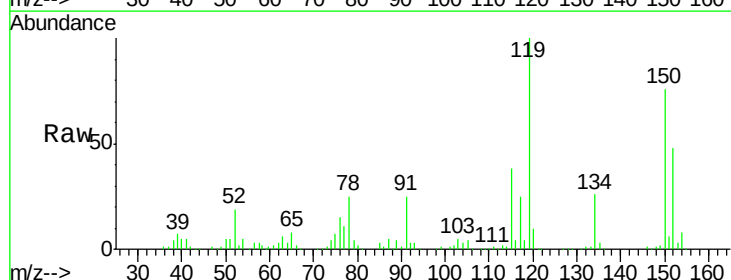
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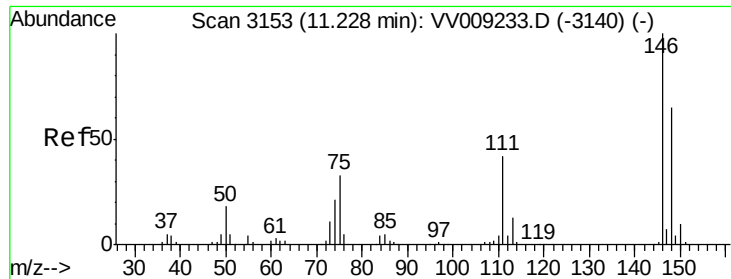
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#86
 p-Isopropyltoluene
 Concen: 18.843 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion:119 Resp: 103310
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 24.9 12.4 37.2





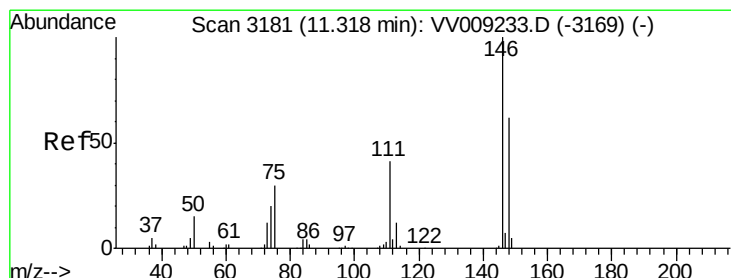
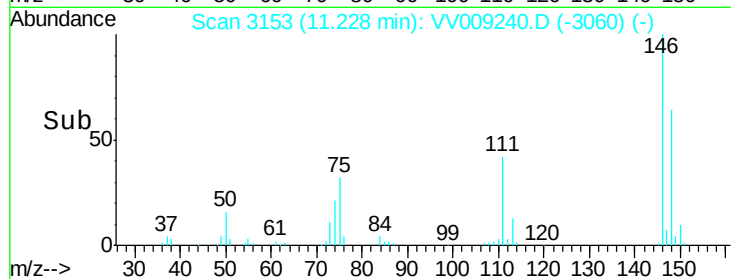
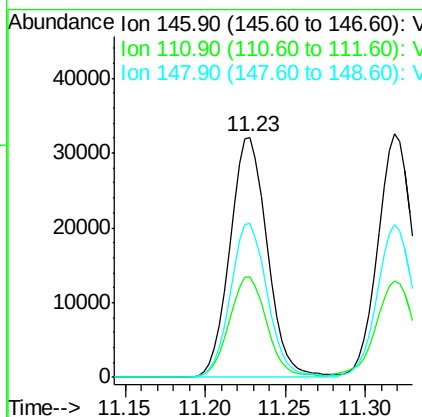
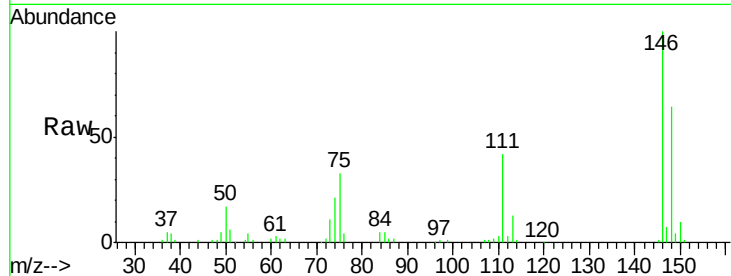
#87
 1,3-Dichlorobenzene
 Concen: 19.296 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	63.4	32.1	96.3

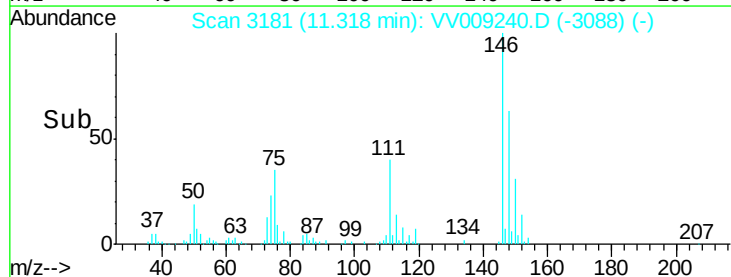
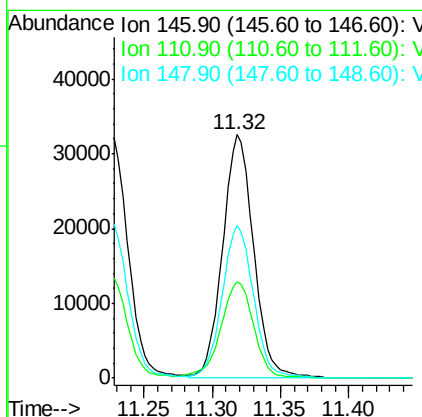
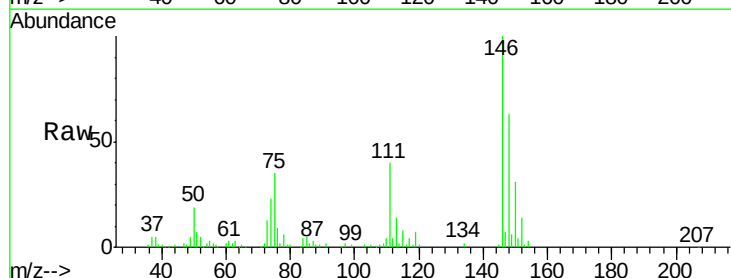
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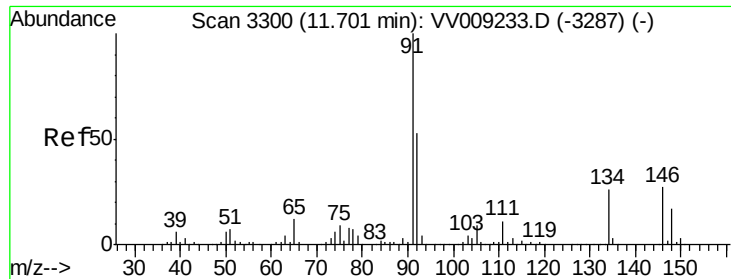
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#88
 1,4-Dichlorobenzene
 Concen: 19.200 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.5	61.5
148	63.7	31.4	94.3





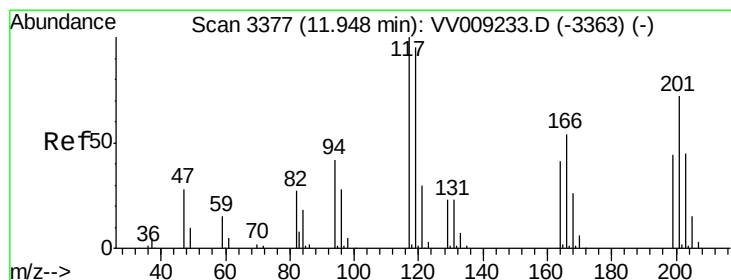
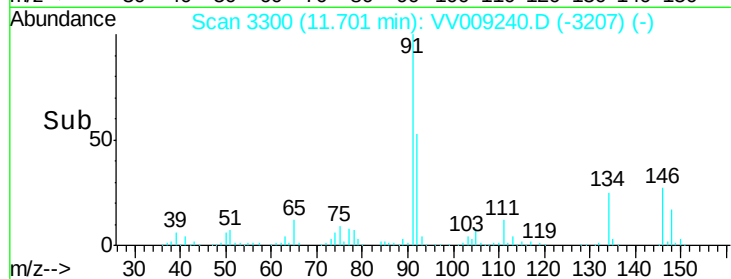
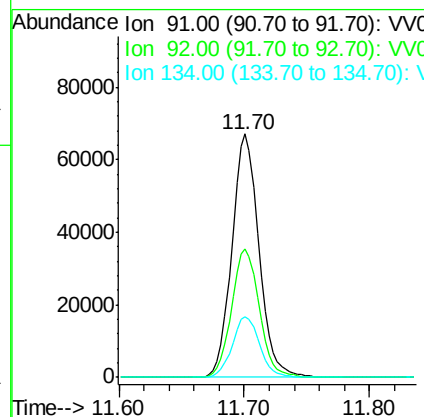
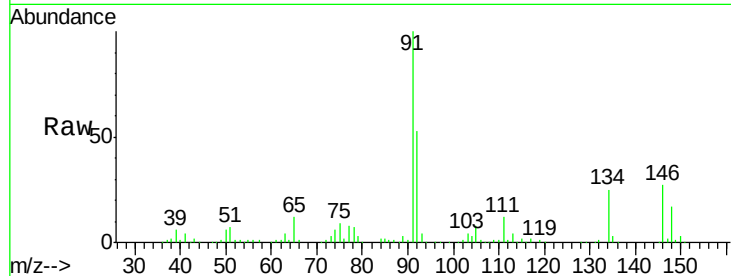
#89
n-Butylbenzene
Concen: 18.866 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.2	81.5
134	25.1	12.6	37.8

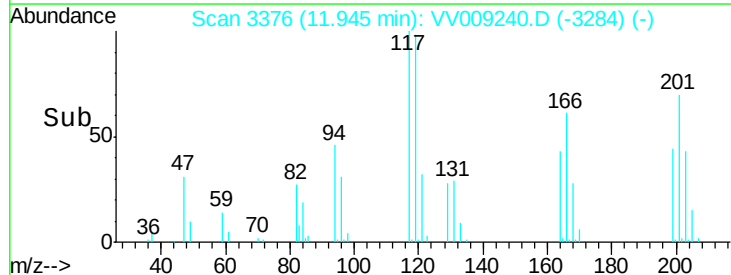
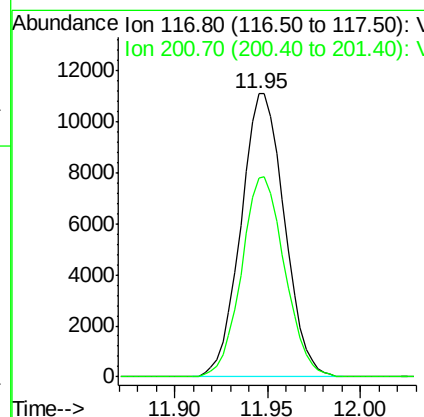
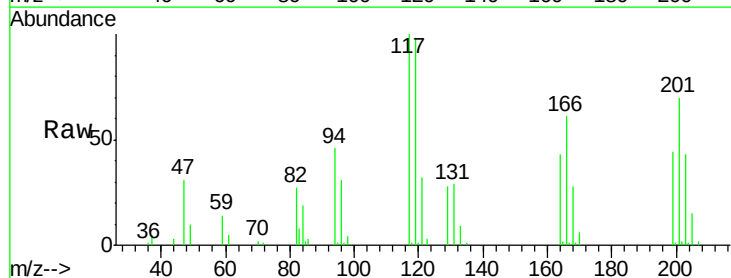
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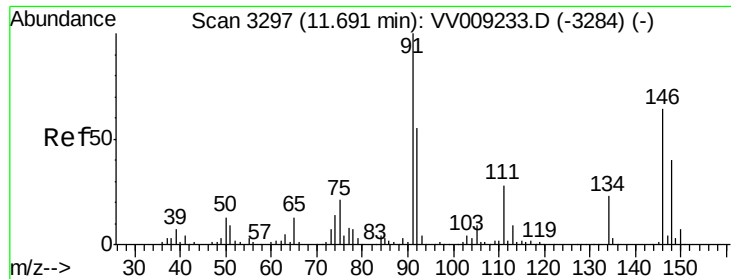
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#90
Hexachloroethane
Concen: 18.514 ug/l
RT: 11.95 min Scan# 3376
Delta R.T. -0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	35.2	105.6





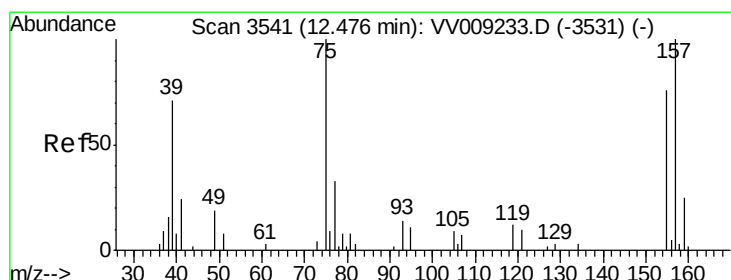
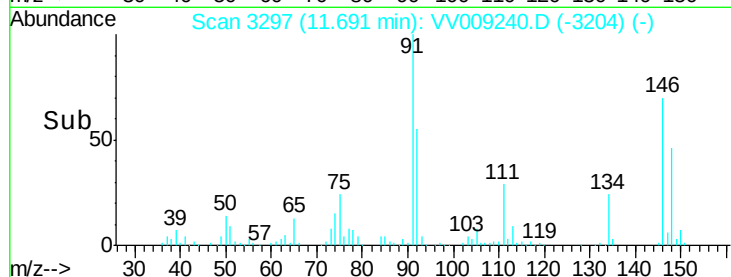
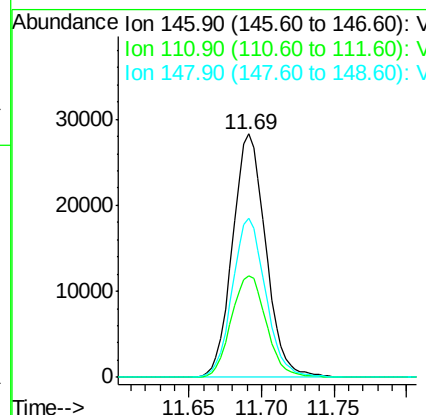
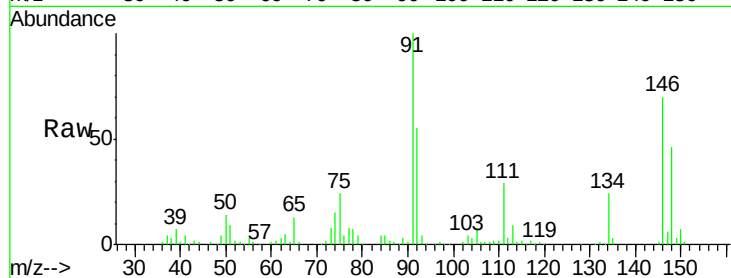
#91
 1,2-Dichlorobenzene
 Concen: 19.187 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	65.4	31.6	95.0

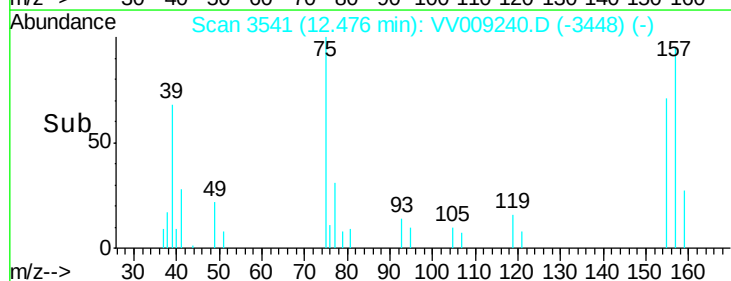
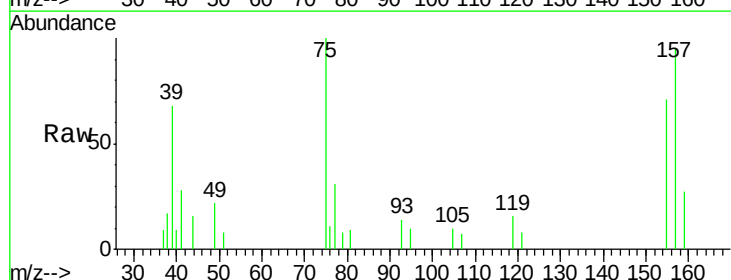
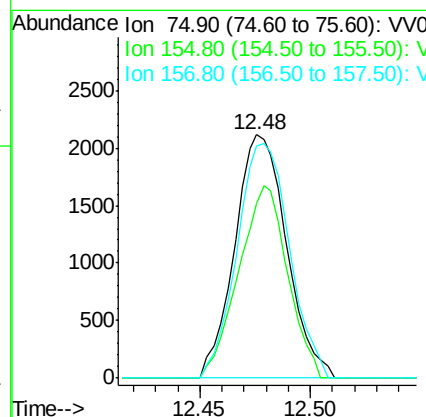
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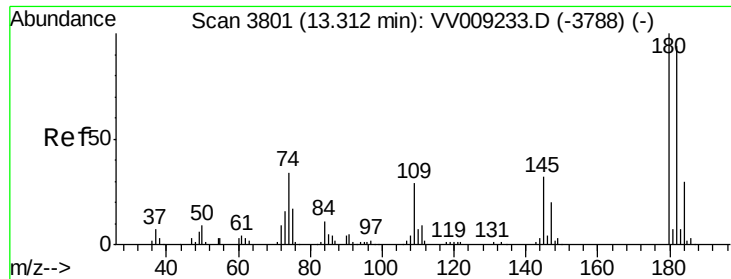
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.379 ug/l
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	38.0	114.0
157	97.3	50.8	152.4





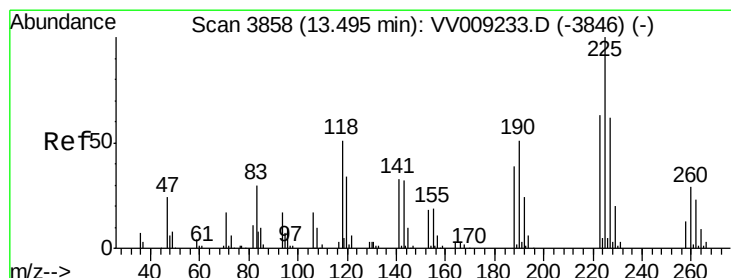
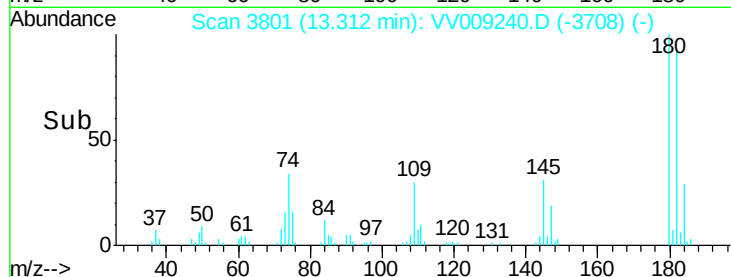
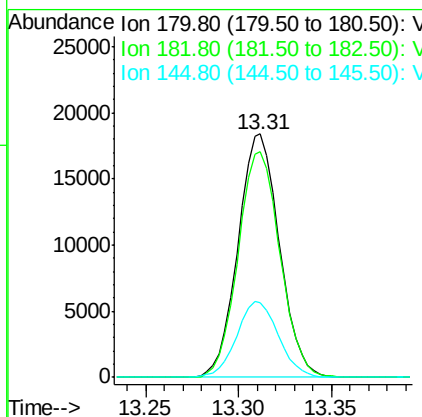
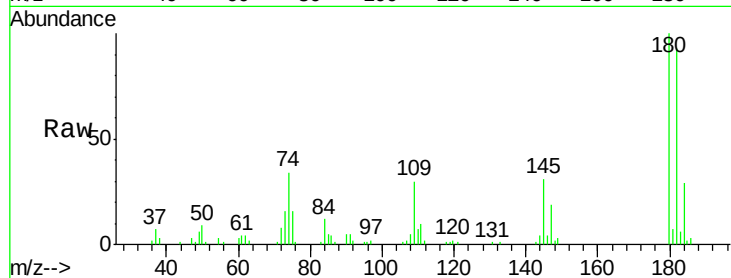
#93
 1,2,4-Trichlorobenzene
 Concen: 18.908 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.1	141.4
145	31.5	16.0	48.0

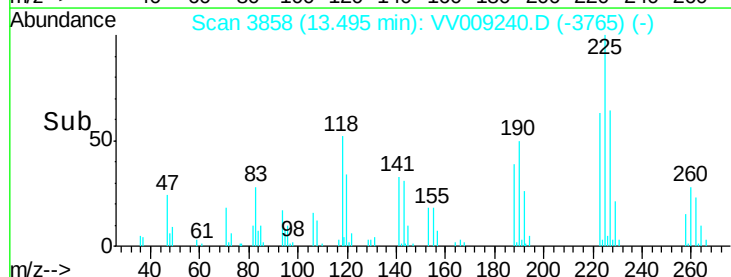
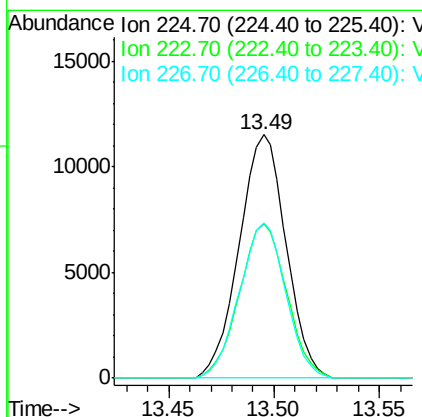
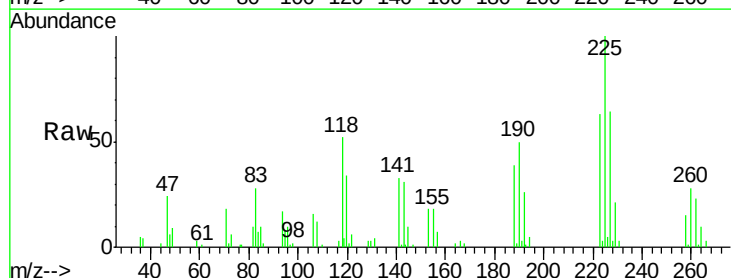
Manual Integrations
 APPROVED

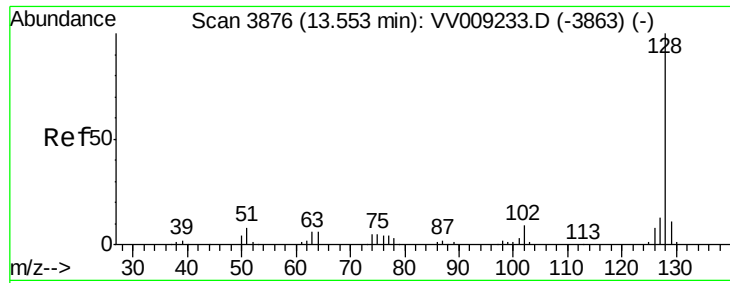
MMDadoda
 1/24/2019 11:44:43 AM



#94
 Hexachlorobutadiene
 Concen: 18.931 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009240.D
 Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.7	95.1
227	62.9	31.6	95.0





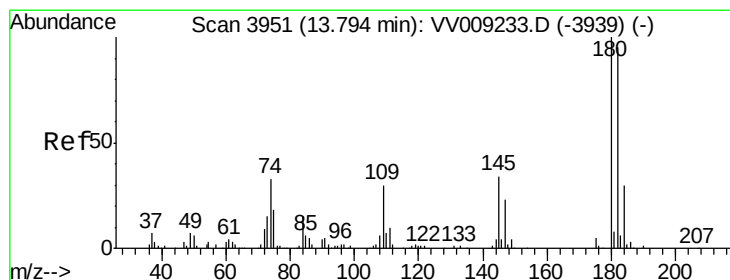
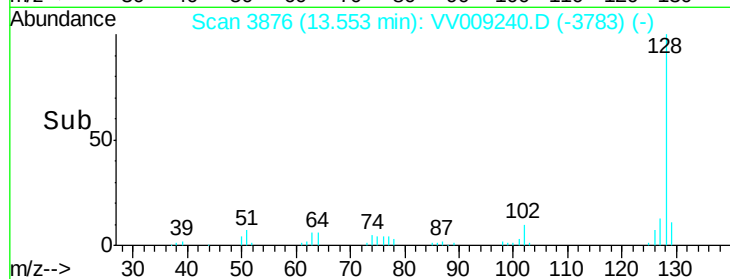
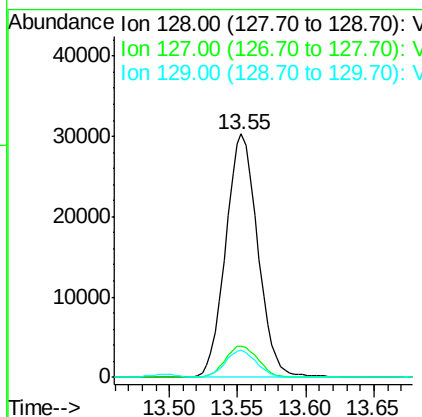
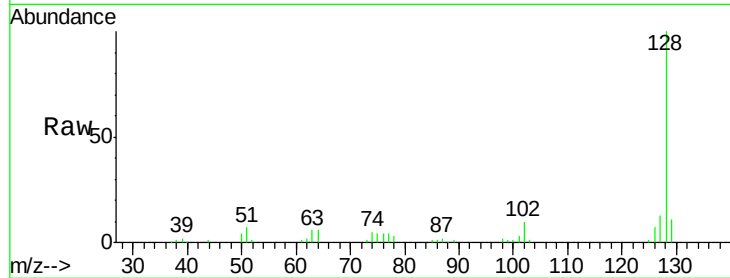
#95
Naphthalene
Concen: 18.947 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/24/2019 11:44:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.820 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009240.D
Acq: 22 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	34.9	17.2	51.5

