

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011819\
 Data File : VV009225.D
 Acq On : 18 Jan 2019 17:22
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:45:35 AM

Quant Time: Jan 19 03:21:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 19 02:50:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	91938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	159230	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	150688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	78231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	137435	111.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	223.60%	
35) Dibromofluoromethane	4.64	113	117950	112.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.68%	
50) Toluene-d8	7.36	98	448487	113.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.66%	
62) 4-Bromofluorobenzene	10.12	95	176643	114.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	70397	99.155	ug/l	99
3) Chloromethane	1.25	50	105981	105.269	ug/l	99
4) Vinyl Chloride	1.32	62	101875	102.965	ug/l	98
5) Bromomethane	1.53	94	66977	103.506	ug/l	99
6) Chloroethane	1.60	64	63695	103.110	ug/l	98
7) Trichlorofluoromethane	1.76	101	58663	101.930	ug/l	99
8) Diethyl Ether	1.96	74	54265	112.919	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.14	101	90988	101.792	ug/l	98
10) Methyl Iodide	2.26	142	154849	107.451	ug/l	99
11) Tert butyl alcohol	2.66	59	39831	558.894	ug/l	100
12) 1,1-Dichloroethene	2.14	96	91841	106.702	ug/l	95
13) Acrolein	2.05	56	30063	514.059	ug/l	96
14) Allyl chloride	2.42	41	162497	104.663	ug/l	99
15) Acrylonitrile	2.76	53	115141	571.201	ug/l	99
16) Acetone	2.17	43	134871	532.902	ug/l	99
17) Carbon Disulfide	2.32	76	278561	104.511	ug/l	99
18) Methyl Acetate	2.45	43	76867	115.638	ug/l	98
19) Methyl tert-butyl Ether	2.80	73	148412	105.484	ug/l	99
20) Methylene Chloride	2.53	84	101599	103.484	ug/l	98
21) trans-1,2-Dichloroethene	2.78	96	101118	106.472	ug/l	99
22) Diisopropyl ether	3.32	45	381253	107.848	ug/l	94
23) Vinyl Acetate	3.30	43	1118557	581.644	ug/l	99
24) 1,1-Dichloroethane	3.22	63	223618	107.485	ug/l	99
25) 2-Butanone	4.01	43	191952	604.520	ug/l	100
26) 2,2-Dichloropropane	3.95	77	125158	107.813	ug/l	100
27) cis-1,2-Dichloroethene	3.95	96	130877	107.610	ug/l	99
28) Bromochloromethane	4.29	49	91765	105.011	ug/l	100
29) Tetrahydrofuran	4.38	42	113608	597.522	ug/l	99
30) Chloroform	4.42	83	234526	106.970	ug/l	99
31) Cyclohexane	4.72	56	185502	104.470	ug/l	96
32) 1,1,1-Trichloroethane	4.65	97	183190	103.054	ug/l	98
36) 1,1-Dichloropropene	4.87	75	167646	107.847	ug/l	99
37) Ethyl Acetate	4.12	43	81583	124.139	ug/l	99
38) Carbon Tetrachloride	4.87	117	172833	109.081	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	201636	107.929	ug/l	97
40) Benzene	5.14	78	488147	107.944	ug/l	98
41) Methacrylonitrile	4.30	41	47099	122.246	ug/l	97
42) 1,2-Dichloroethane	5.17	62	168805	111.342	ug/l	100
43) Isopropyl Acetate	5.32	43	156850	121.914	ug/l	99
44) Trichloroethene	5.95	130	123933	108.995	ug/l	99
45) 1,2-Dichloropropane	6.22	63	125367	111.056	ug/l	99
46) Dibromomethane	6.35	93	68237	114.455	ug/l	99
47) Bromodichloromethane	6.55	83	182532	115.335	ug/l	99
48) Methyl methacrylate	6.41	41	81008	119.989	ug/l	97
49) 1,4-Dioxane	6.41	88	18841	2350.329	ug/l	98
51) 4-Methyl-2-Pentanone	7.27	43	391408	581.798	ug/l	98
52) Toluene	7.43	92	313455	109.330	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	181705	117.074	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	203544	113.522	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	93005	116.519	ug/l	96
56) Ethyl methacrylate	7.83	69	122152	121.756	ug/l	99
57) 1,3-Dichloropropane	8.05	76	169940	112.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.93	63	12870	1427.633	ug/l #	88
59) 2-Hexanone	8.18	43	291134	603.639	ug/l	98
60) Dibromochloromethane	8.29	129	116506	118.540	ug/l	99
61) 1,2-Dibromoethane	8.40	107	93971	117.794	ug/l	98
64) Tetrachloroethene	8.02	164	101772	108.895	ug/l	98
65) Chlorobenzene	8.92	112	344695	108.694	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	123981	110.089	ug/l	99
67) Ethyl Benzene	9.05	91	618266	108.120	ug/l	99
68) m/p-Xylenes	9.18	106	463306	217.155	ug/l	98
69) o-Xylene	9.59	106	222822	108.842	ug/l	100
70) Styrene	9.60	104	369583	110.063	ug/l	100
71) Bromoform	9.77	173	65117	119.459	ug/l #	100
73) Isopropylbenzene	9.97	105	618097	106.165	ug/l	100
74) N-amyl acetate	9.84	43	146271	118.209	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	115806	111.762	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	88413m	113.078	ug/l	
77) Bromobenzene	10.26	156	136830	107.627	ug/l	99
78) n-propylbenzene	10.40	91	735366	105.757	ug/l	99
79) 2-Chlorotoluene	10.47	91	441958	106.479	ug/l	100
80) 1,3,5-Trimethylbenzene	10.59	105	523686	105.740	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	34934	117.422	ug/l	96
82) 4-Chlorotoluene	10.58	91	523649	104.752	ug/l	99
83) tert-Butylbenzene	10.91	119	497202	105.960	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	538886	106.412	ug/l	100
85) sec-Butylbenzene	11.13	105	637890	105.777	ug/l	100
86) p-Isopropyltoluene	11.29	119	568323	106.023	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	275220	107.027	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	277877	107.087	ug/l	99
89) n-Butylbenzene	11.70	91	557386	105.932	ug/l	99
90) Hexachloroethane	11.95	117	107679	109.527	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	249750	108.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	21227	116.925	ug/l	93

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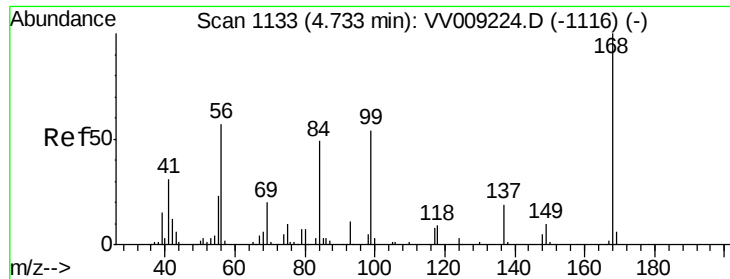
Manual Integrations
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MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	176062	114.441	ug/l	99
94) Hexachlorobutadiene	13.49	225	94740	107.565	ug/l	99
95) Naphthalene	13.55	128	335402	121.017	ug/l	100
96) 1,2,3-Trichlorobenzene	13.79	180	152617	112.537	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: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 91938

Ion Ratio Lower Upper

168 100

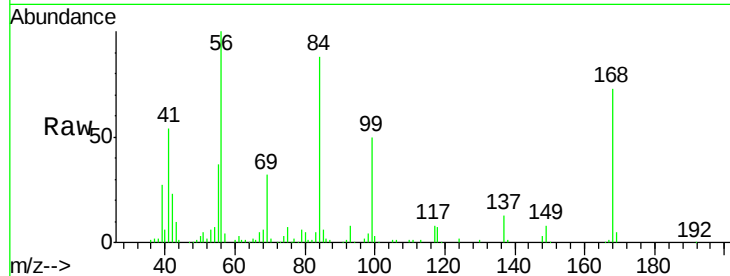
99 68.2 54.7 82.1

Manual Integrations

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1/21/2019 10:45:35 AM

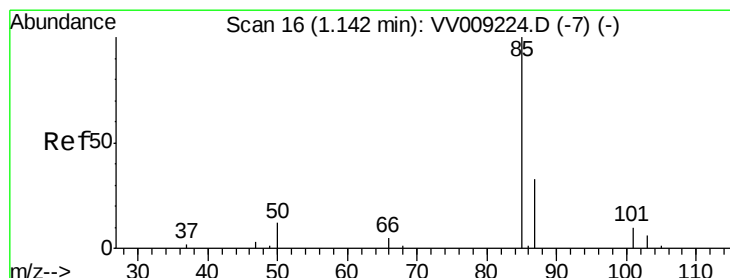
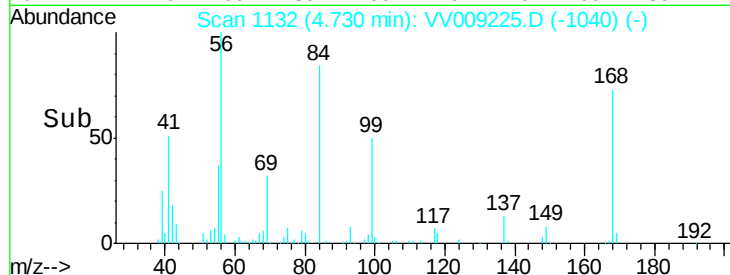


Abundance Ion 167.90 (167.60 to 168.60): VV009224.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009224.D (-1116) (-)

4.73

Time-->



#2

Dichlorodifluoromethane

Concen: 99.155 ug/l

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV009225.D

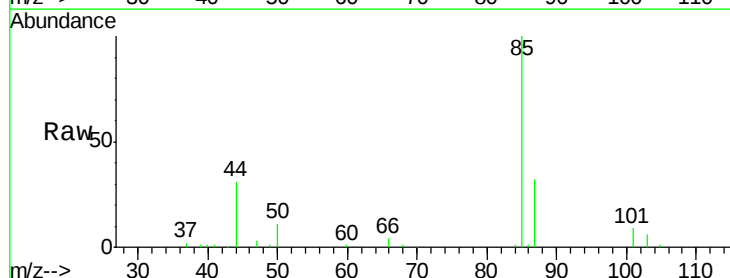
Acq: 18 Jan 2019 17:22

Tgt Ion: 85 Resp: 70397

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.4

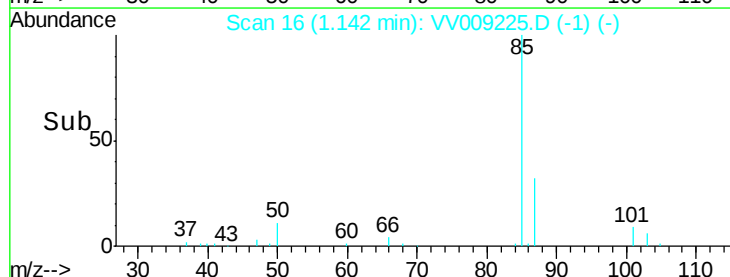


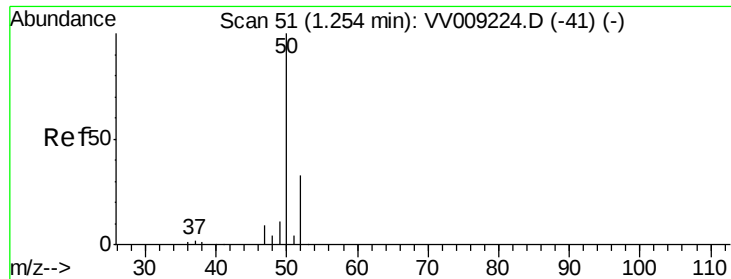
Abundance Ion 84.90 (84.60 to 85.60): VV009224.D (-7) (-)

Ion 86.90 (86.60 to 87.60): VV009224.D (-7) (-)

1.14

Time-->





#3

Chloromethane

Concen: 105.269 ug/l

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 105981

Ion Ratio Lower Upper

50 100

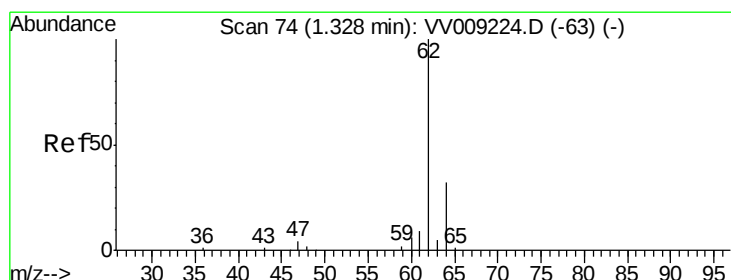
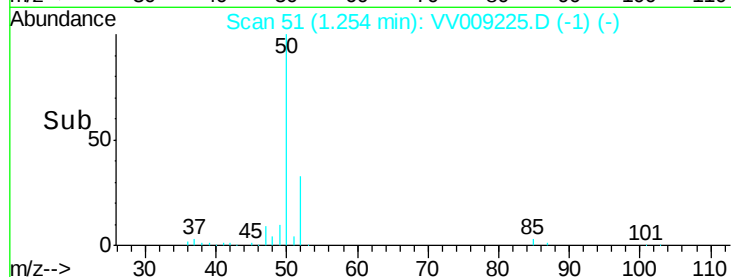
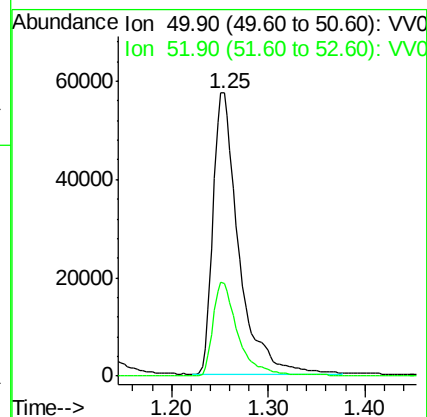
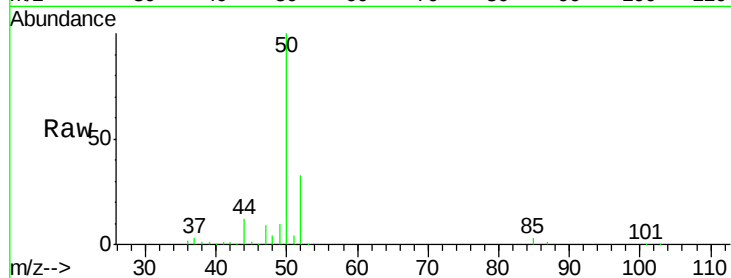
52 33.0 26.1 39.1

Manual Integrations

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1/21/2019 10:45:35 AM



#4

Vinyl Chloride

Concen: 102.965 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV009225.D

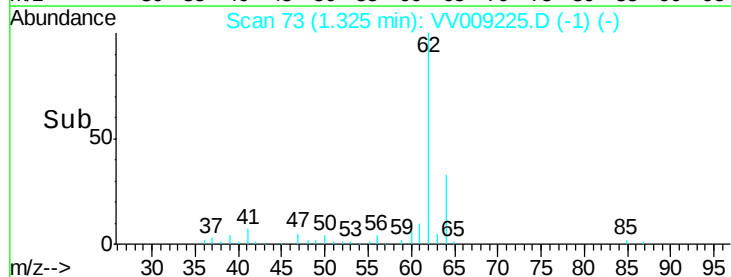
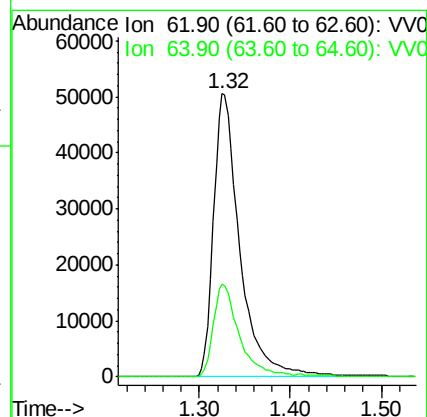
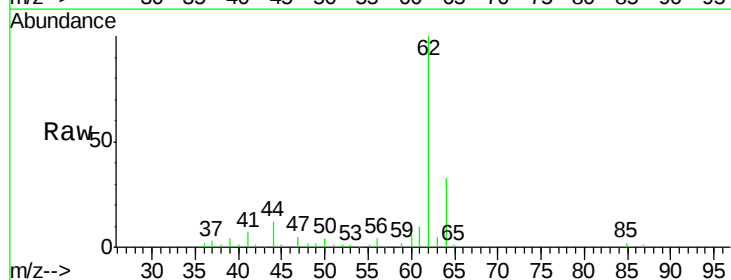
Acq: 18 Jan 2019 17:22

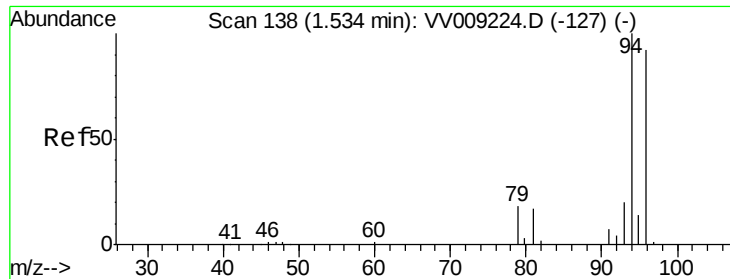
Tgt Ion: 62 Resp: 101875

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5





#5

Bromomethane

Concen: 103.506 ug/l

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 66977

Ion Ratio Lower Upper

94 100

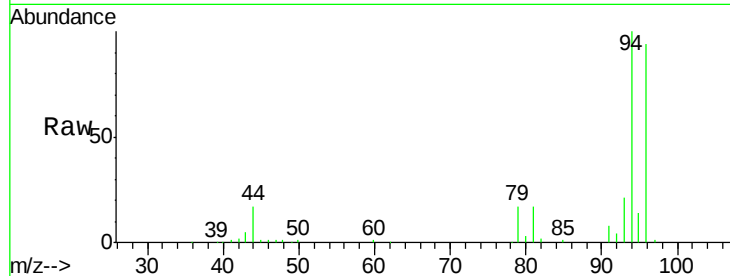
96 93.7 73.9 110.9

Manual Integrations

APPROVED

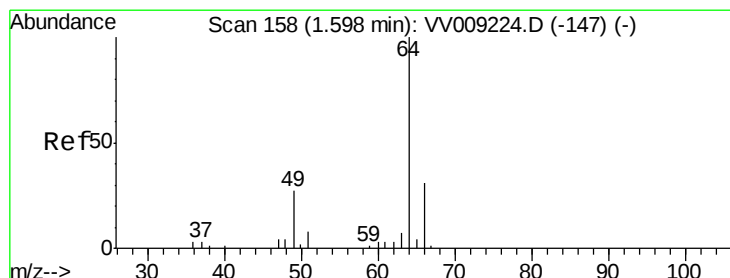
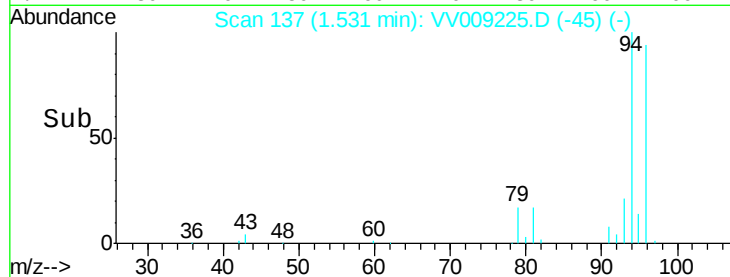
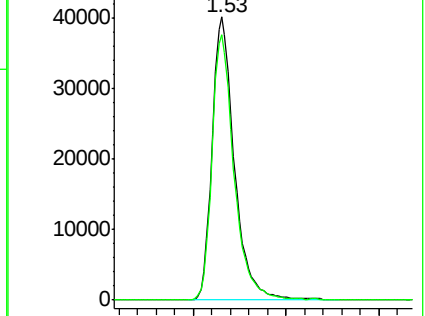
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1/21/2019 10:45:35 AM



Abundance Ion 93.90 (93.60 to 94.60): VV0

Ion 95.90 (95.60 to 96.60): VV0



#6

Chloroethane

Concen: 103.110 ug/l

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV009225.D

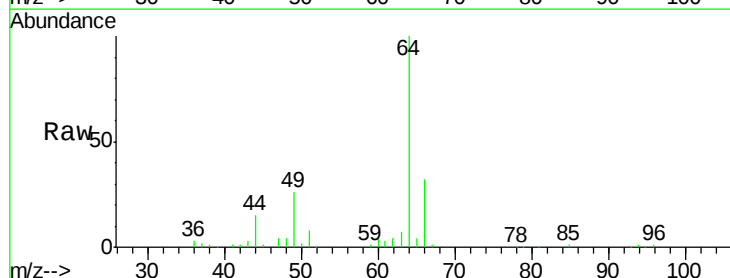
Acq: 18 Jan 2019 17:22

Tgt Ion: 64 Resp: 63695

Ion Ratio Lower Upper

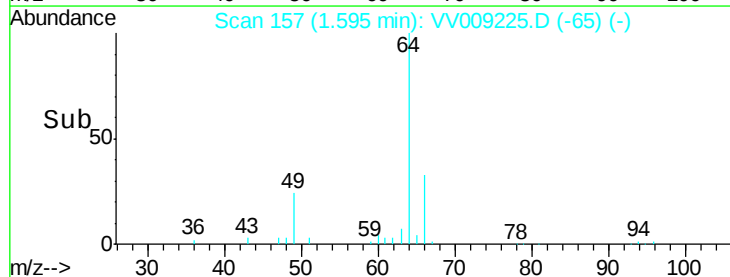
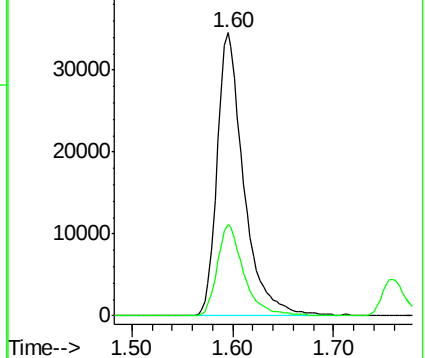
64 100

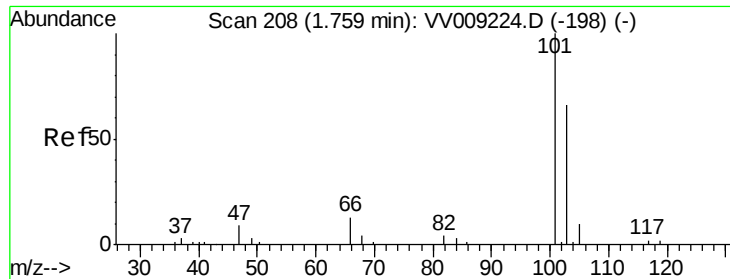
66 32.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV0

Ion 65.90 (65.60 to 66.60): VV0





#7

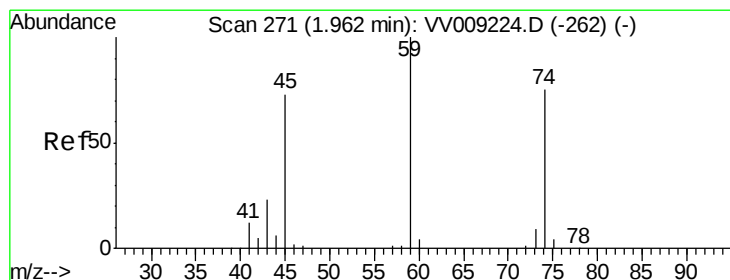
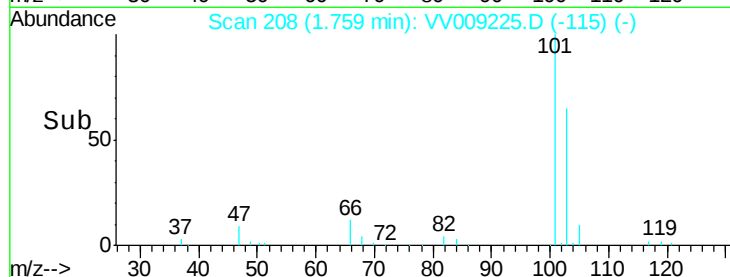
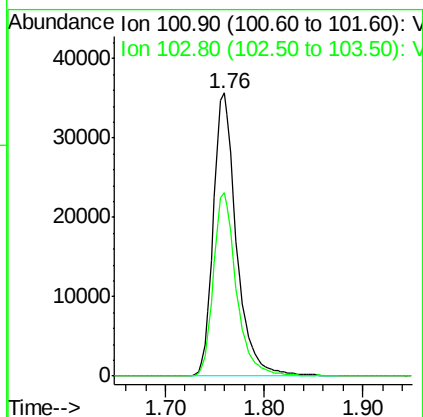
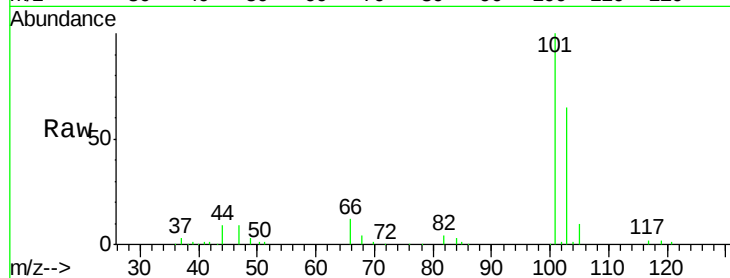
Trichlorofluoromethane
Concen: 101.930 ug/l
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		58663		
103	64.8	52.6	79.0		

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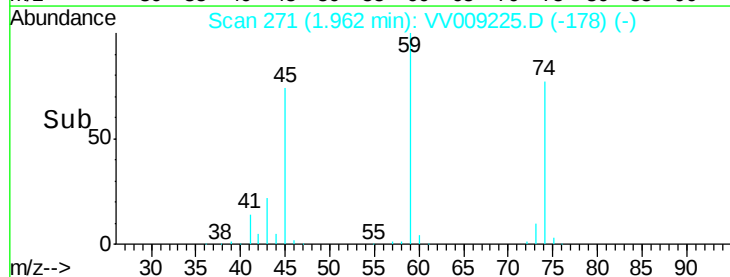
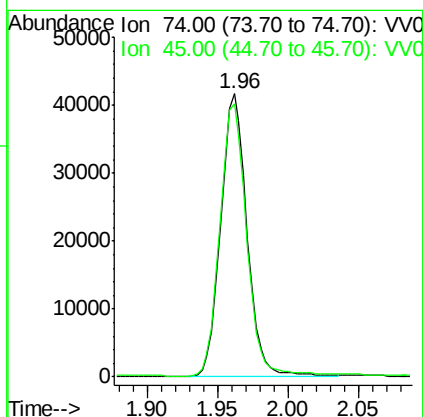
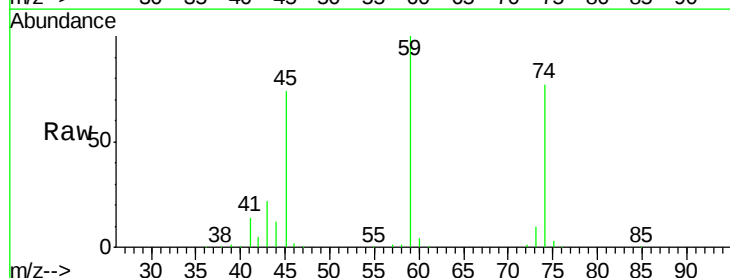
MMDadoda
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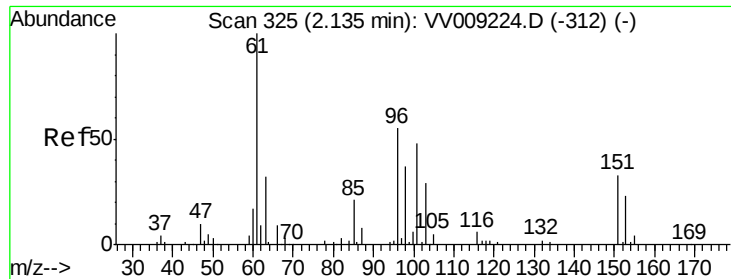


#8

Diethyl Ether
Concen: 112.919 ug/l
RT: 1.96 min Scan# 271
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54265		
45	99.0	49.4	148.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.792 ug/l

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

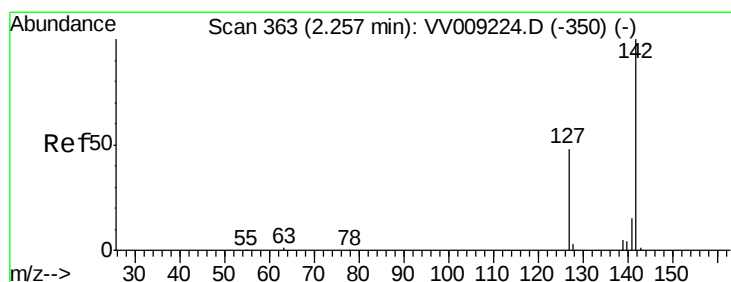
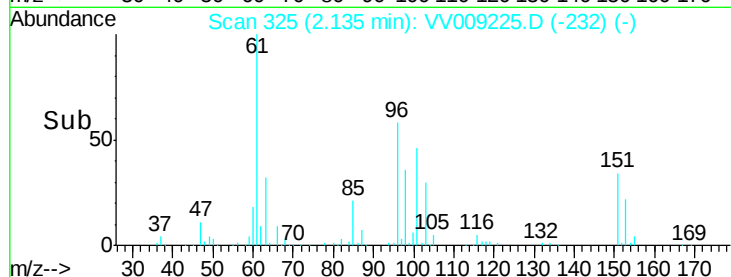
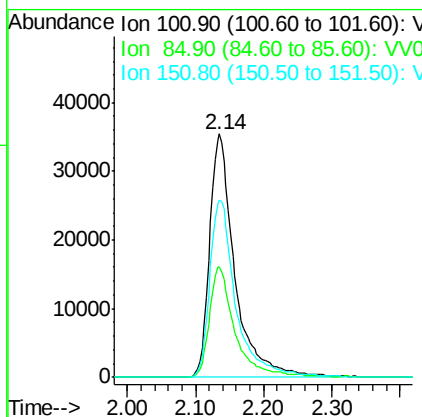
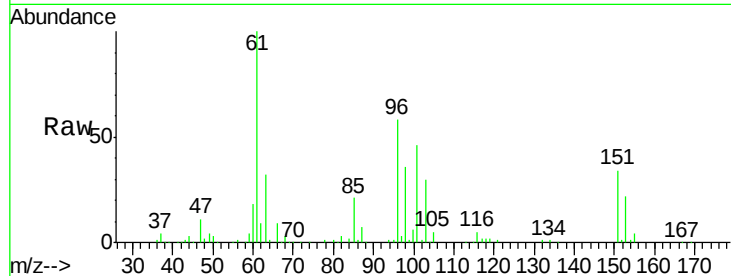
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	90988
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.2	54.4
151	74.5	57.9	86.9

Manual Integrations
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#10

Methyl Iodide

Concen: 107.451 ug/l

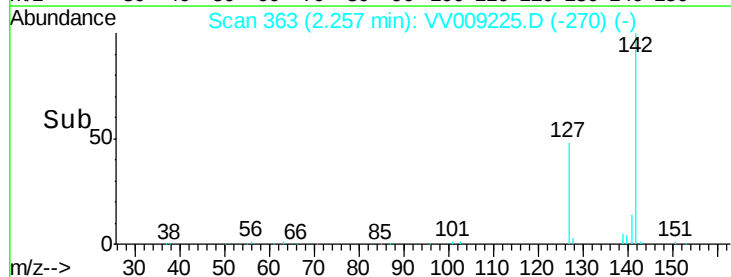
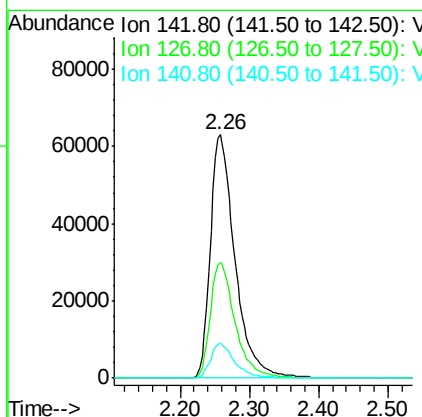
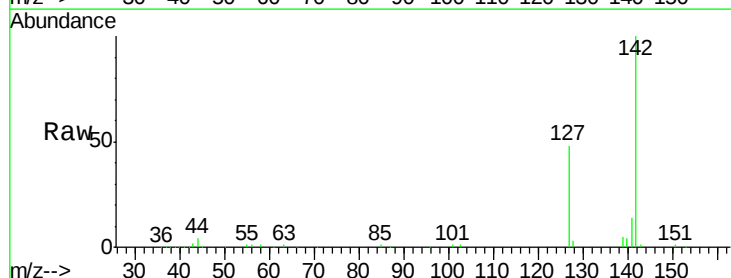
RT: 2.26 min Scan# 363

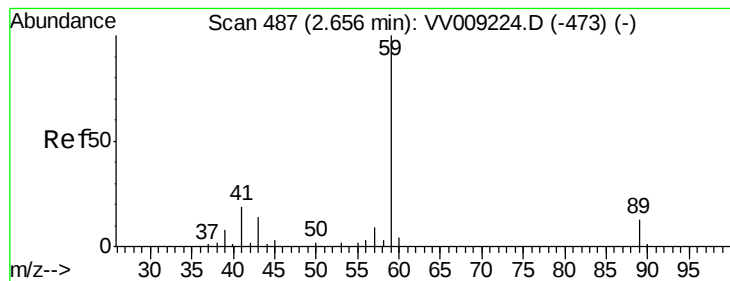
Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion:	142	Resp:	154849
Ion Ratio	Lower	Upper	
142	100		
127	48.0	39.0	58.4
141	14.1	11.4	17.0





#11

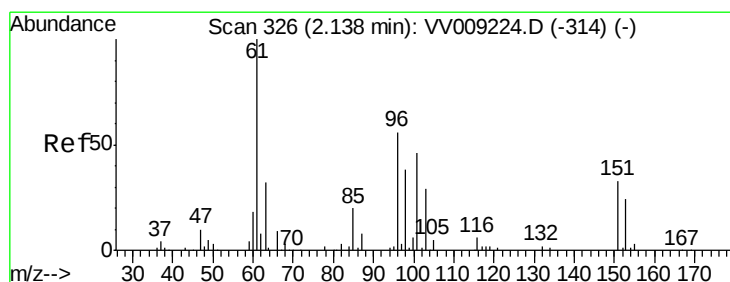
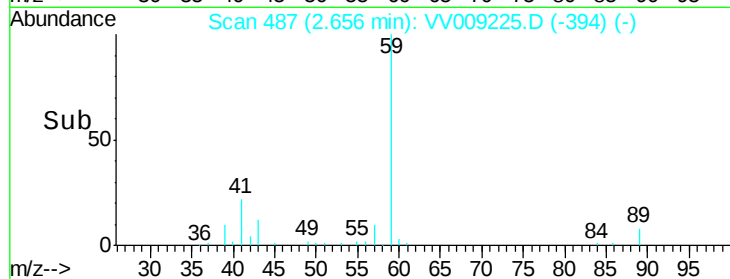
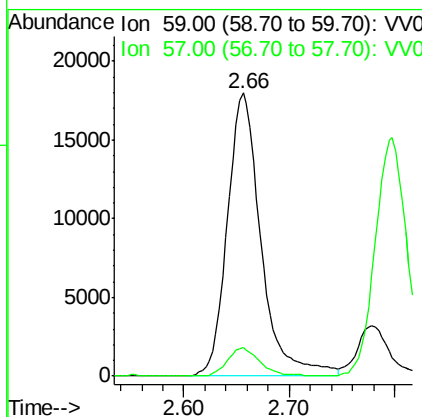
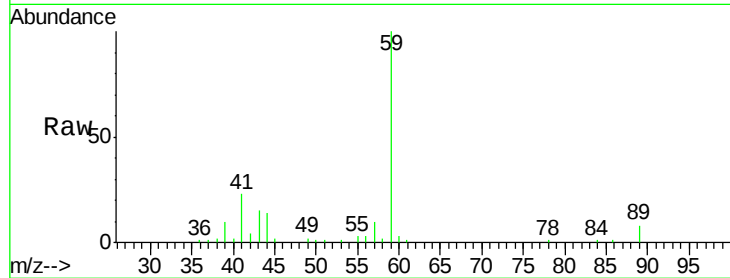
Tert butyl alcohol
Concen: 558.894 ug/l
RT: 2.66 min Scan# 487
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	39831		
57	9.4		7.5	11.3

Manual Integrations
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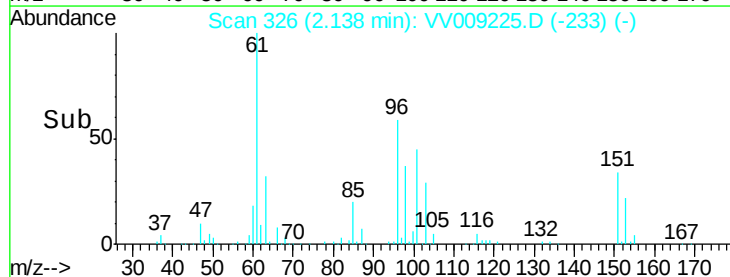
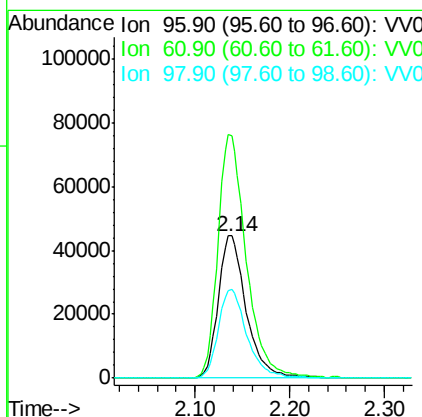
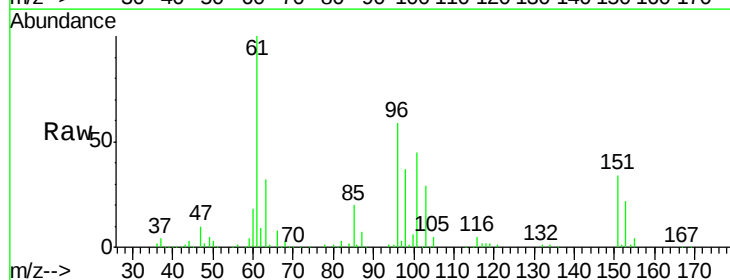
MMDadoda
1/21/2019 10:45:35 AM

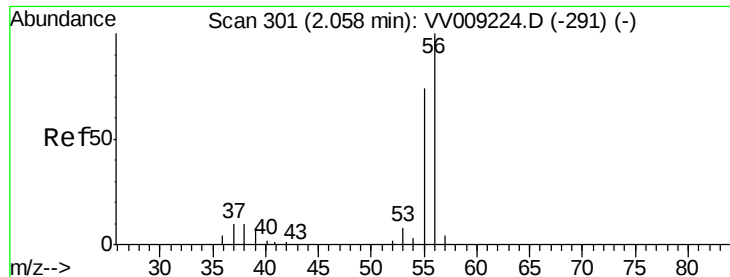


#12

1,1-Dichloroethene
Concen: 106.702 ug/l
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	91841		
61	170.0		141.9	212.9
98	62.7		53.3	79.9





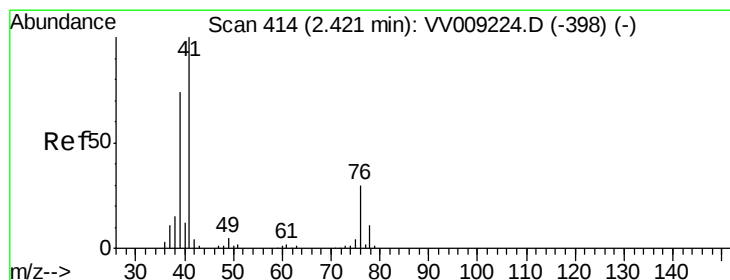
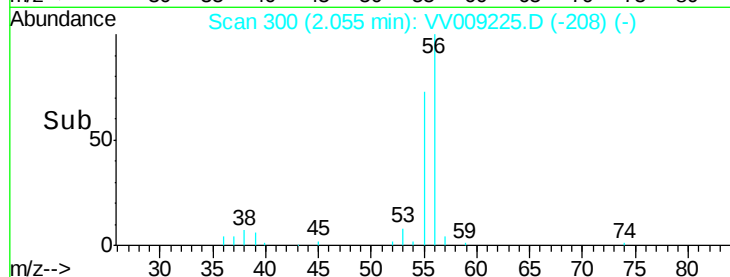
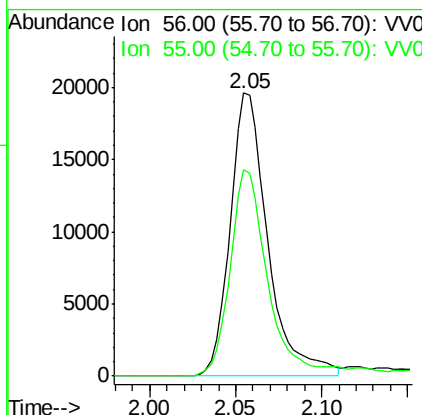
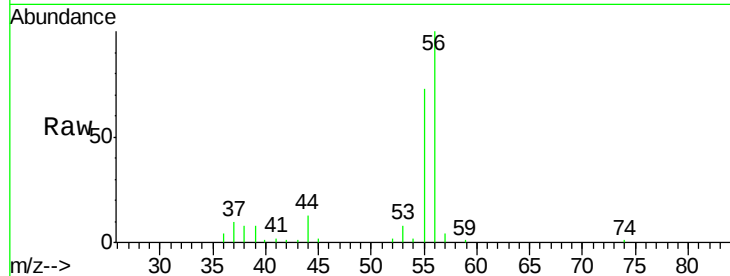
#13
Acrolein
Concen: 514.059 ug/l
RT: 2.05 min Scan# 300
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 30063
Ion Ratio Lower Upper
56 100
55 73.0 56.0 84.0

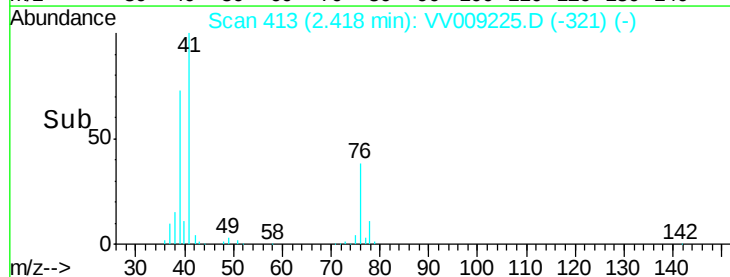
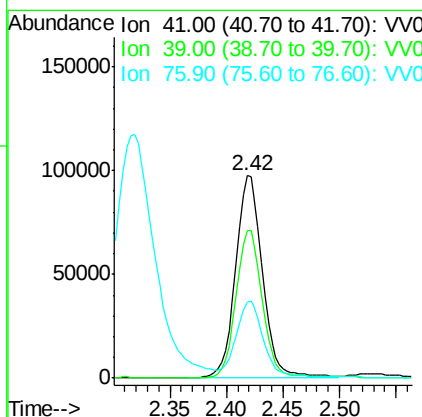
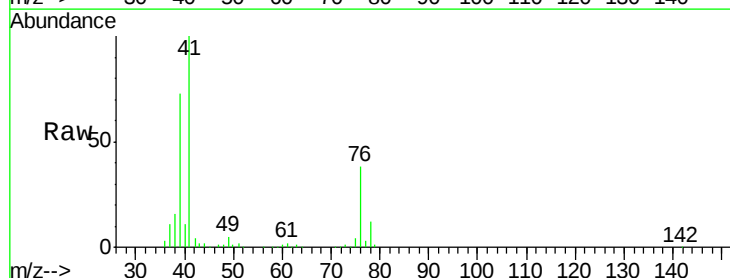
Manual Integrations
APPROVED

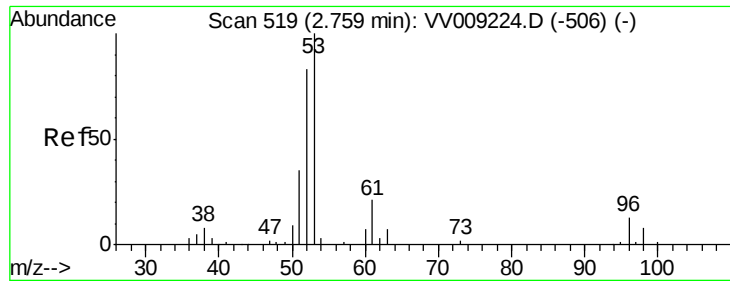
MMDadoda
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#14
Allyl chloride
Concen: 104.663 ug/l
RT: 2.42 min Scan# 413
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 41 Resp: 162497
Ion Ratio Lower Upper
41 100
39 71.8 58.2 87.2
76 38.0 29.4 44.2





#15

Acrylonitrile

Concen: 571.201 ug/l

RT: 2.76 min Scan# 519

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

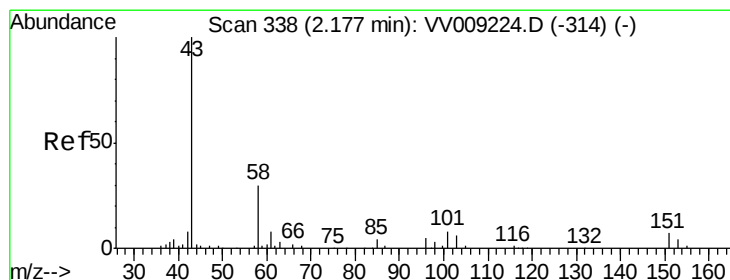
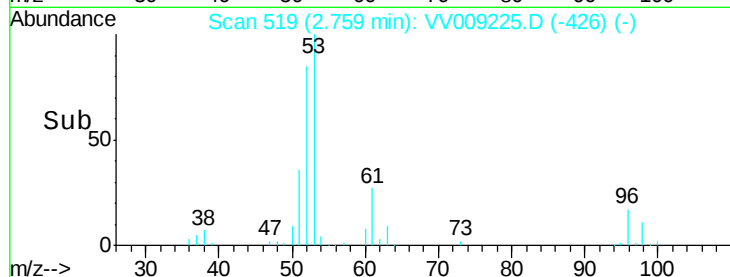
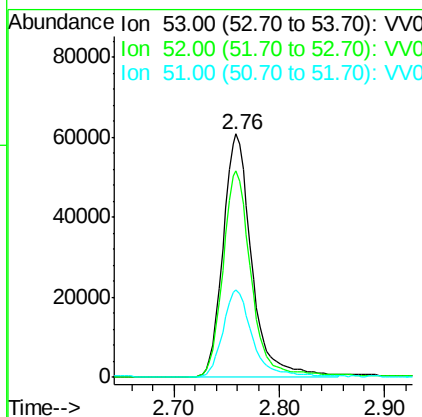
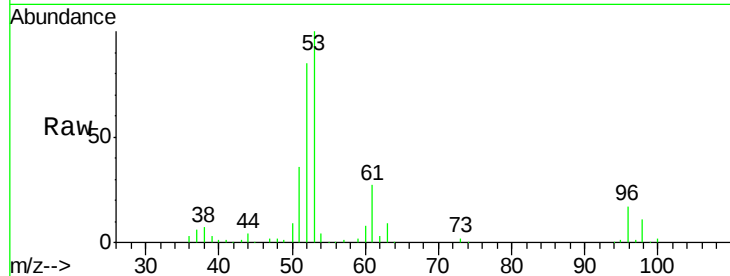
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	115141
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.8	98.6
51	37.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 532.902 ug/l

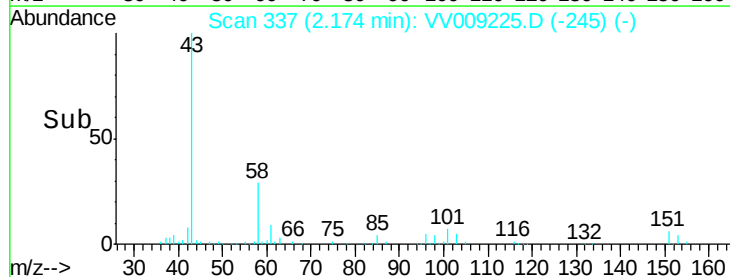
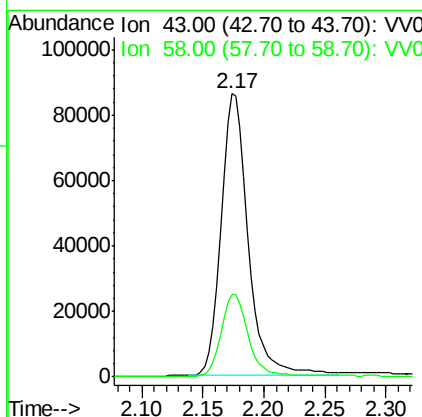
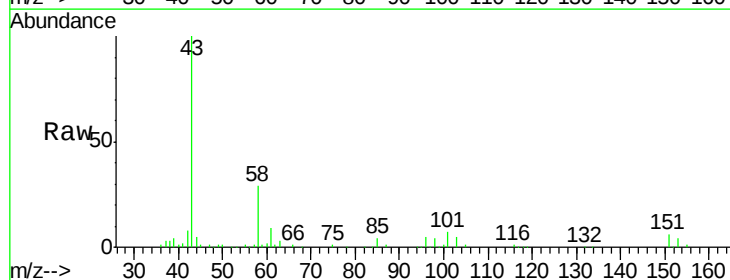
RT: 2.17 min Scan# 337

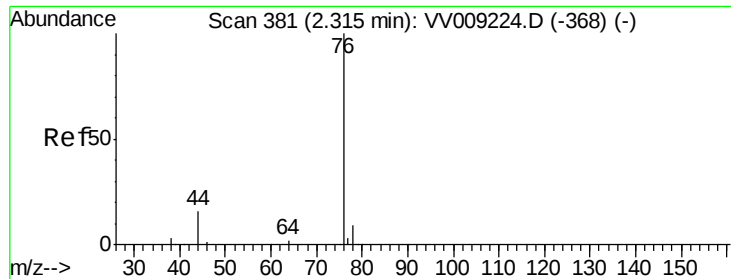
Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion:	43	Resp:	134871
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.9	35.9





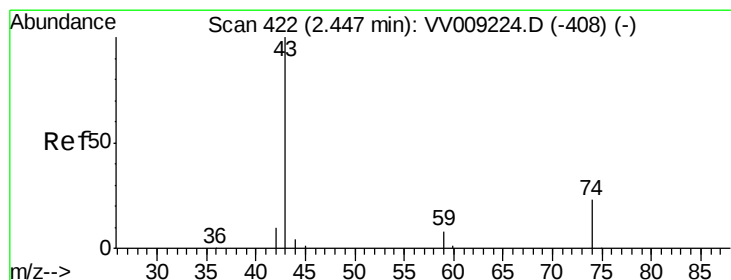
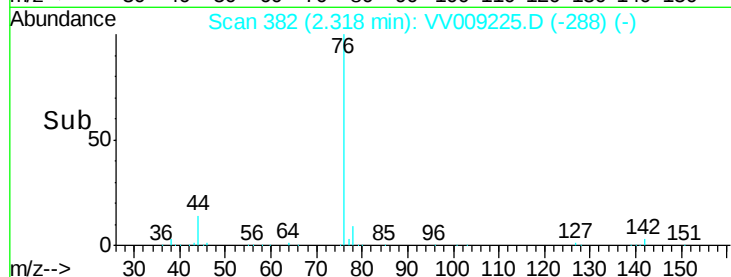
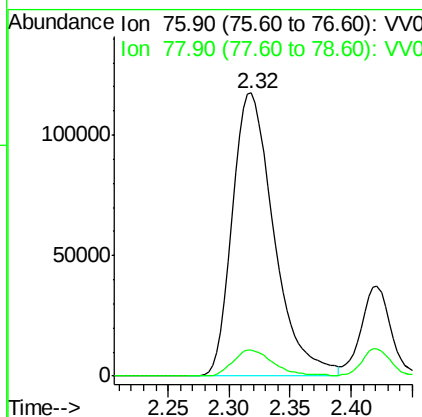
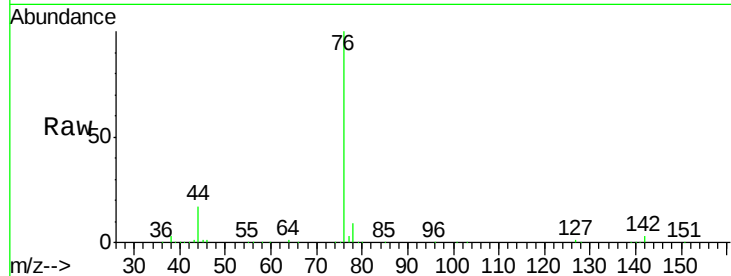
#17
Carbon Disulfide
Concen: 104.511 ug/l
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

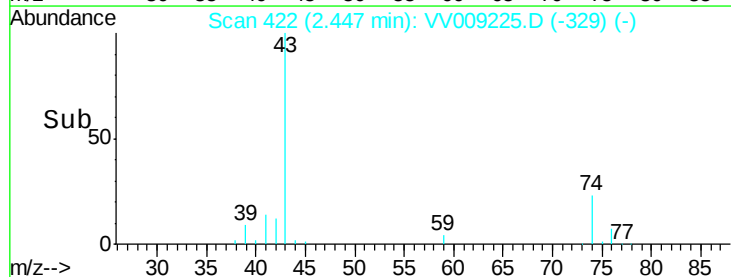
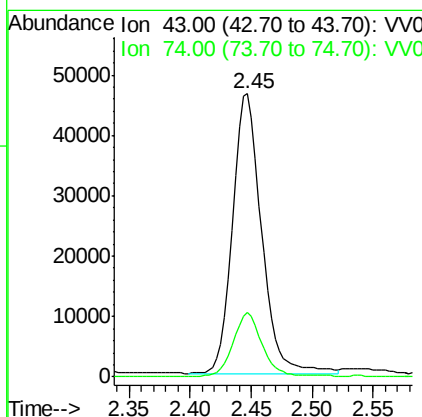
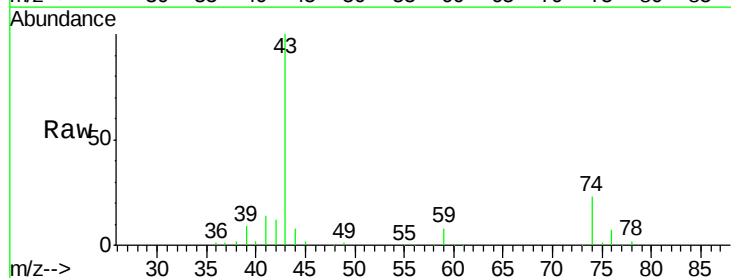
Manual Integrations
APPROVED

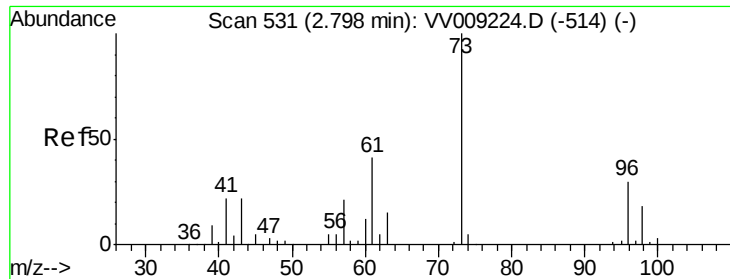
MMDadoda
1/21/2019 10:45:35 AM



#18
Methyl Acetate
Concen: 115.638 ug/l
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.4	29.2





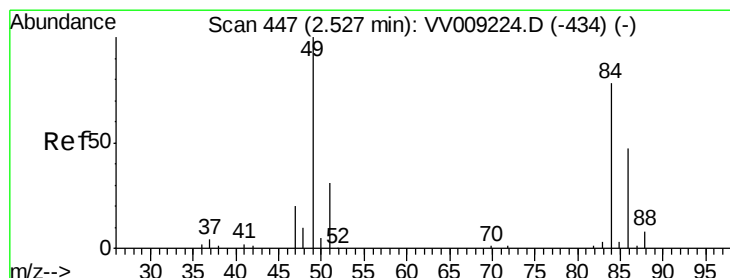
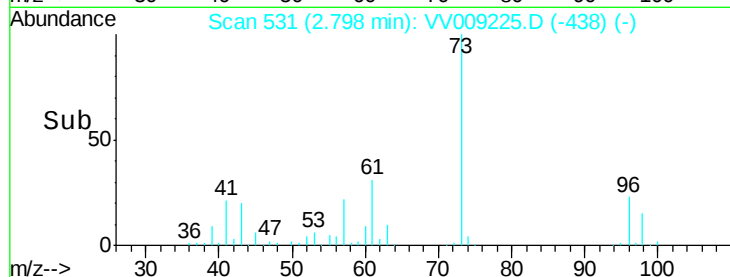
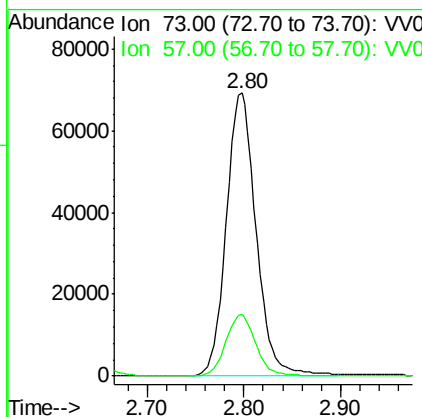
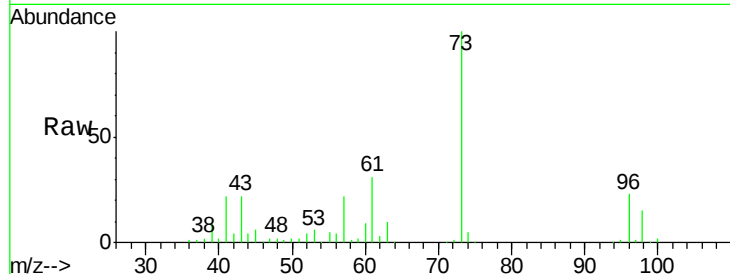
#19
Methvl tert-butvl Ether
Concen: 105.484 ug/l
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 148412
Ion Ratio Lower Upper
73 100
57 21.9 17.1 25.7

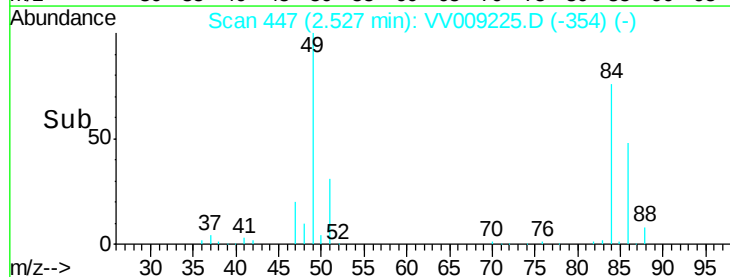
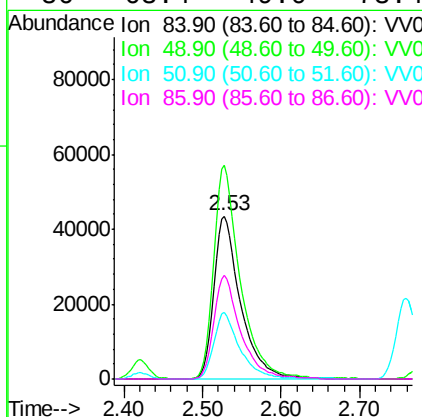
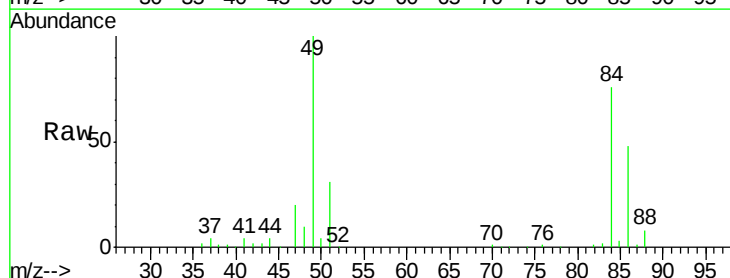
Manual Integrations
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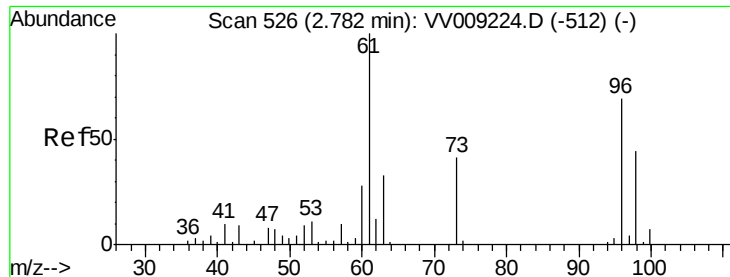
MMDadoda
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#20
Methylene Chloride
Concen: 103.484 ug/l
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 84 Resp: 101599
Ion Ratio Lower Upper
84 100
49 131.3 103.1 154.7
51 41.0 31.7 47.5
86 63.4 49.0 73.4





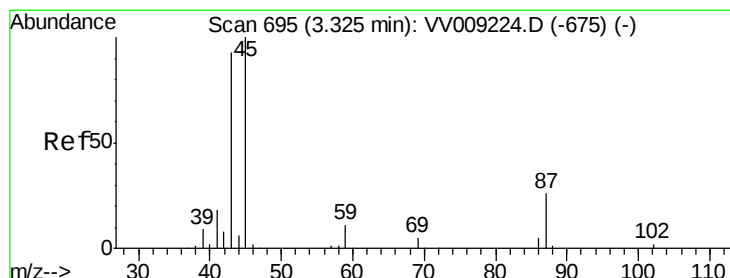
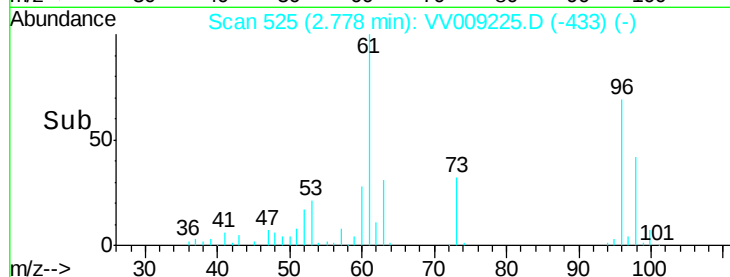
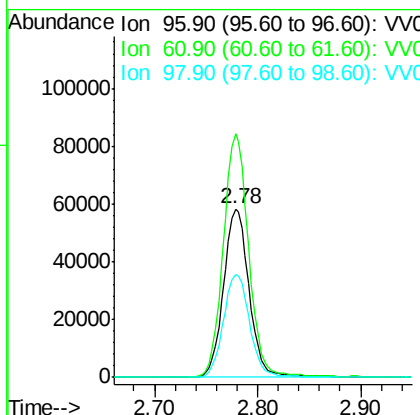
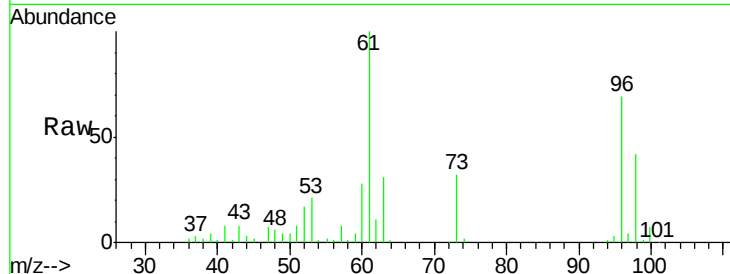
#21
trans-1,2-Dichloroethene
Concen: 106.472 ug/l
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	116.2	174.2
98	60.9	50.8	76.2

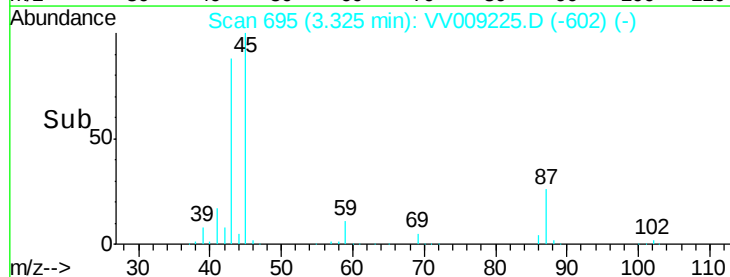
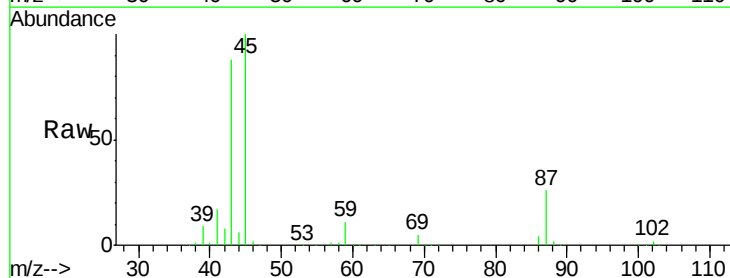
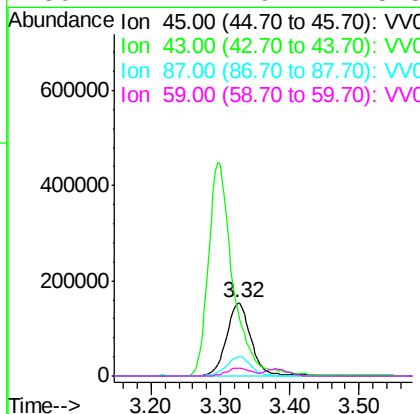
Manual Integrations
APPROVED

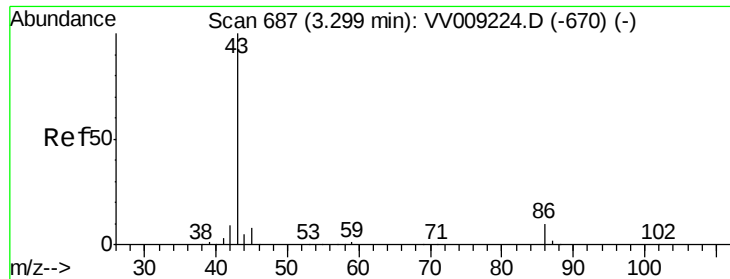
MMDadoda
1/21/2019 10:45:35 AM



#22
Diisopropyl ether
Concen: 107.848 ug/l
RT: 3.32 min Scan# 695
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	87.0	75.4	113.2
87	26.2	20.6	31.0
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 581.644 ug/l

RT: 3.30 min Scan# 686

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1118557

Ion Ratio Lower Upper

43 100

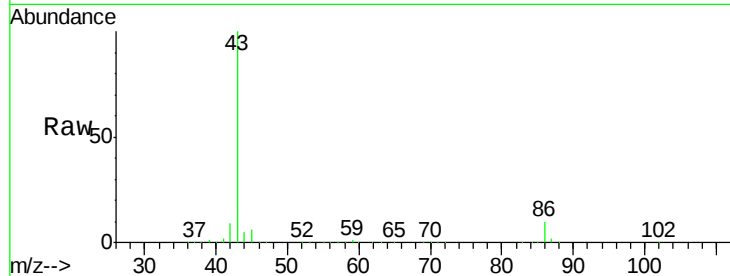
86 10.0 7.8 11.6

Manual Integrations

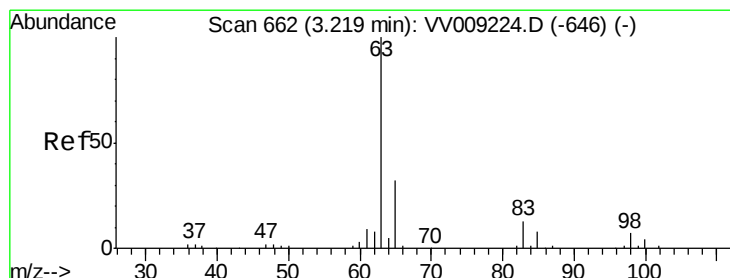
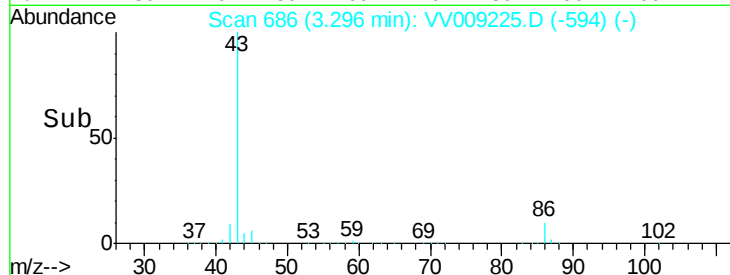
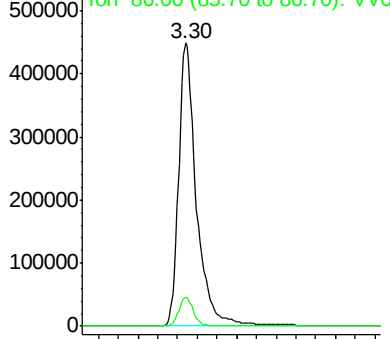
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Abundance Ion 43.00 (42.70 to 43.70): VV009225.D (-594) (-)



#24

1,1-Dichloroethane

Concen: 107.485 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

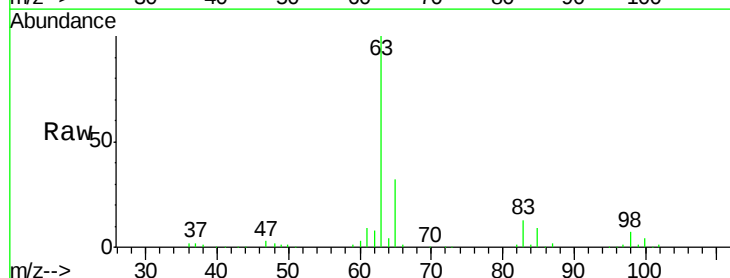
Tgt Ion: 63 Resp: 223618

Ion Ratio Lower Upper

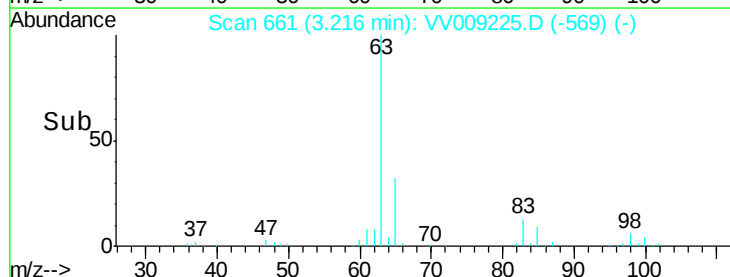
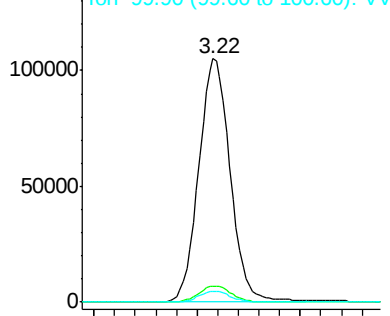
63 100

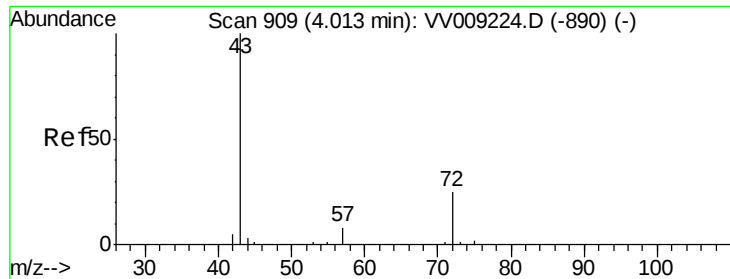
98 6.6 3.4 10.2

100 4.3 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VV009225.D (-569) (-)





#25

2-Butanone

Concen: 604.520 ug/l

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 191952

Ion Ratio Lower Upper

43 100

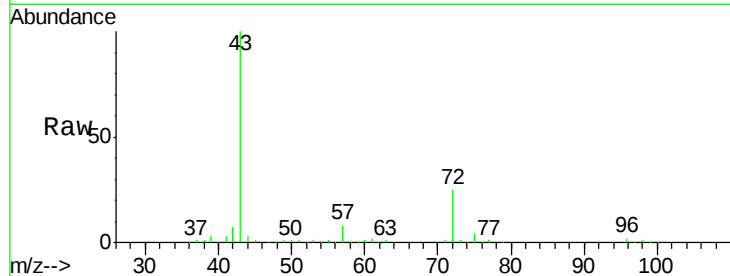
72 24.5 19.7 29.5

Manual Integrations

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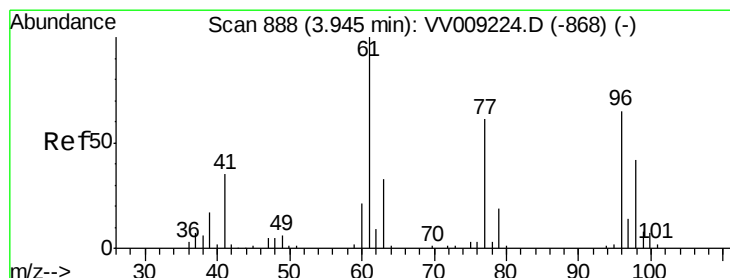
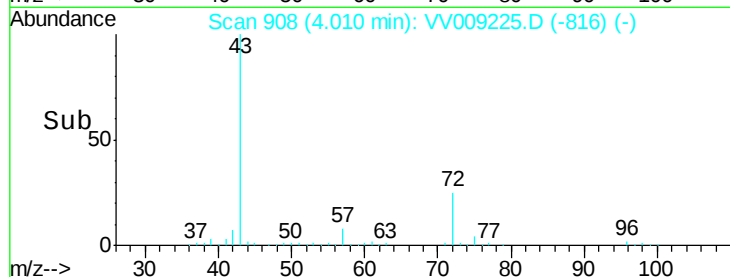
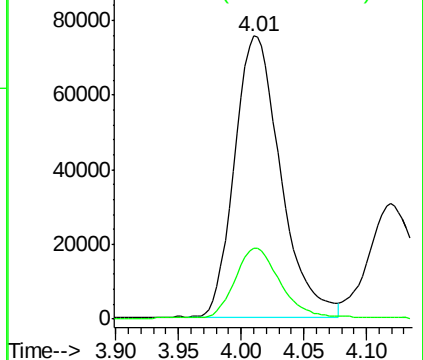
MMDadoda

1/21/2019 10:45:35 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: 107.813 ug/l

RT: 3.95 min Scan# 888

Delta R.T. -0.00 min

Lab File: VV009225.D

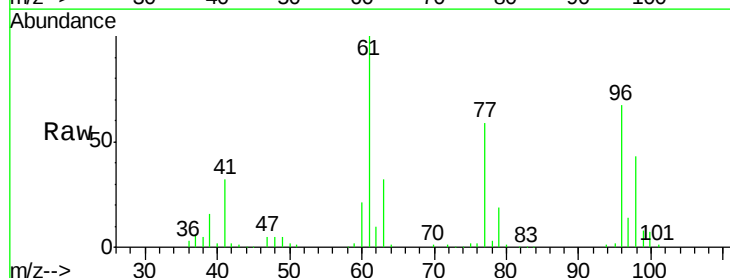
Acq: 18 Jan 2019 17:22

Tgt Ion: 77 Resp: 125158

Ion Ratio Lower Upper

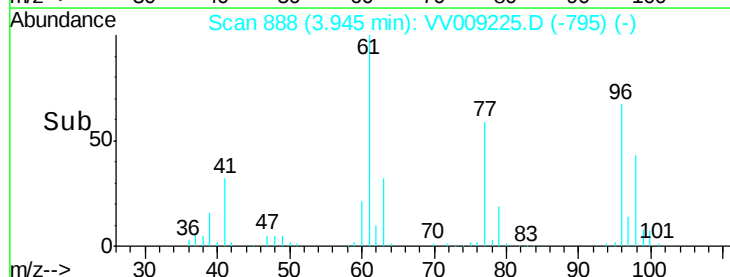
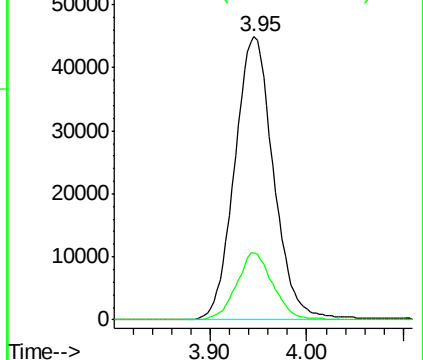
77 100

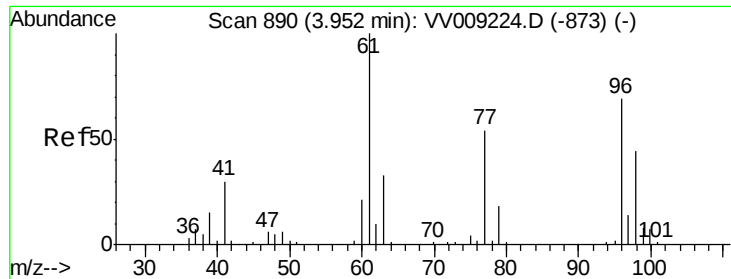
97 22.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VV0

Ion 96.90 (96.60 to 97.60): VV0





#27

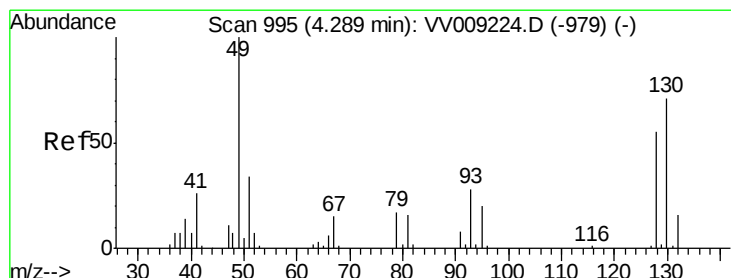
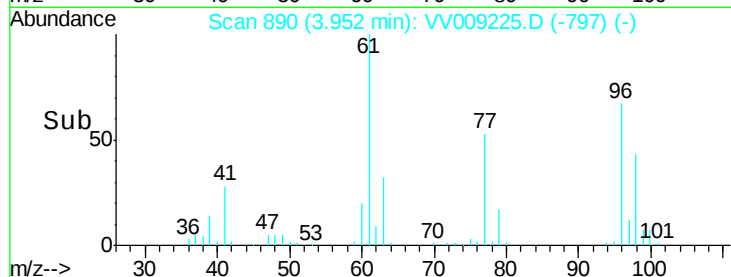
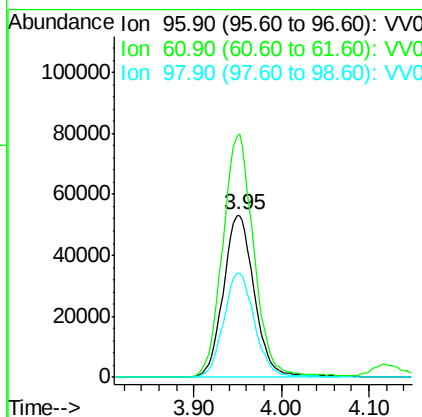
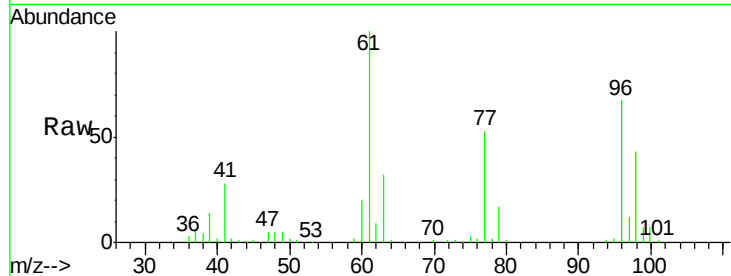
cis-1,2-Dichloroethene
Concen: 107.610 ug/l
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	130877		
61	149.5		0.0	300.4
98	63.9		0.0	129.2

Manual Integrations
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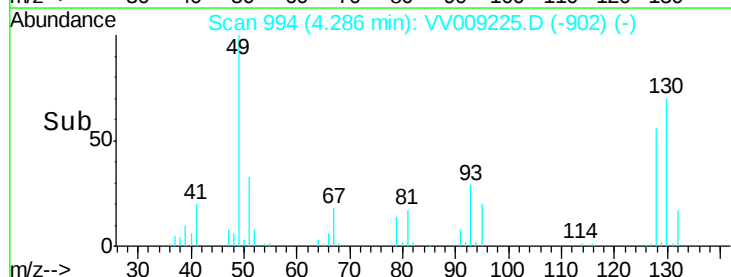
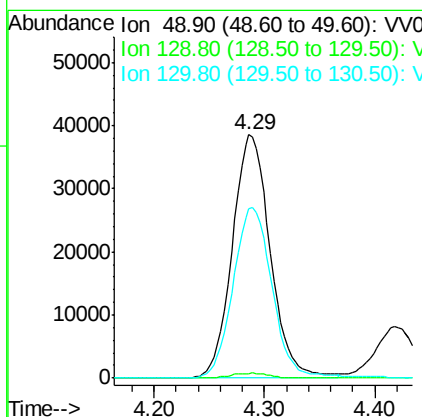
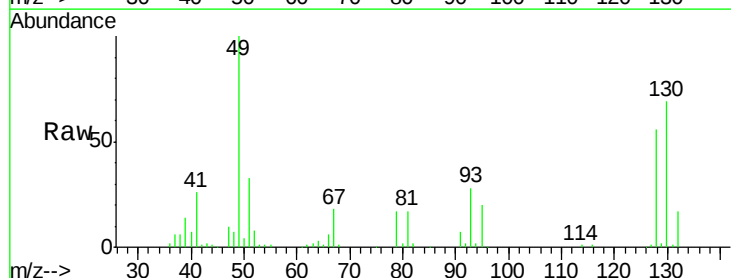
MMDadoda
1/21/2019 10:45:35 AM

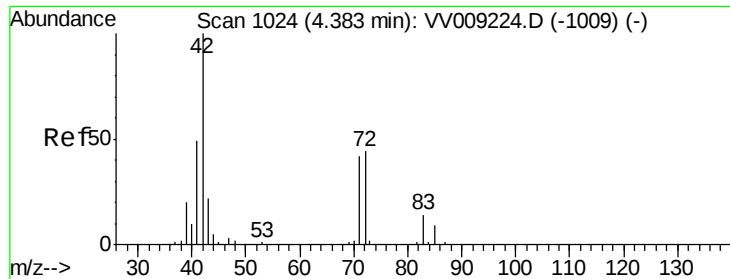


#28

Bromochloromethane
Concen: 105.011 ug/l
RT: 4.29 min Scan# 994
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	91765		
129	2.0		0.0	4.0
130	72.2		57.8	86.6





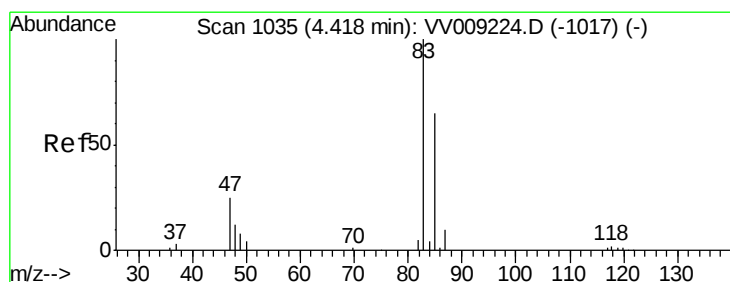
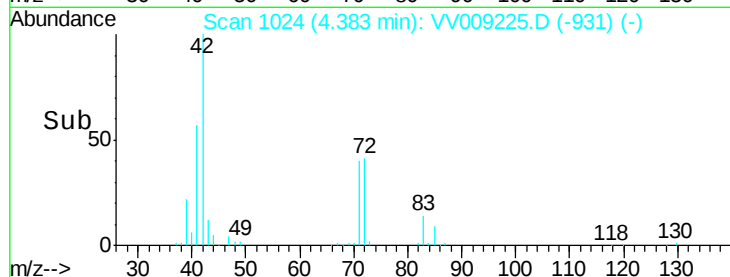
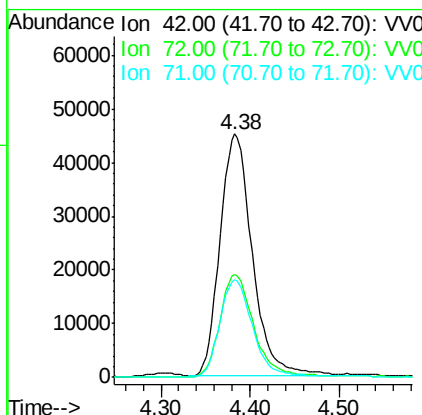
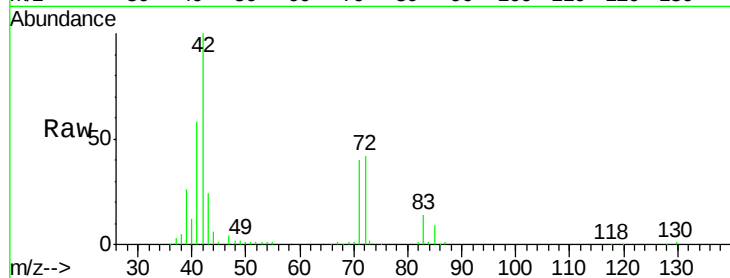
#29
Tetrahydrofuran
Concen: 597.522 ug/l
RT: 4.38 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.9	53.9
71	40.9	33.6	50.4

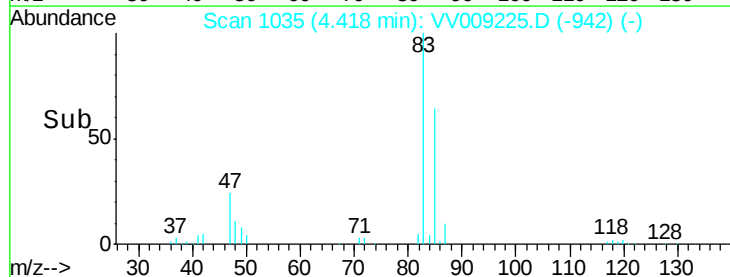
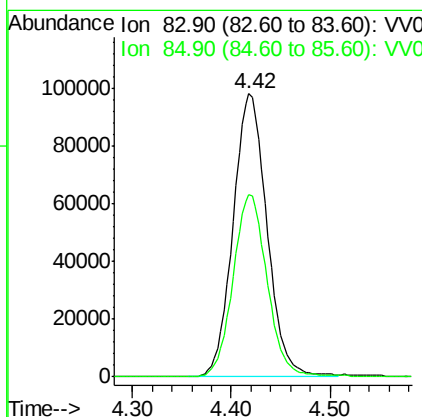
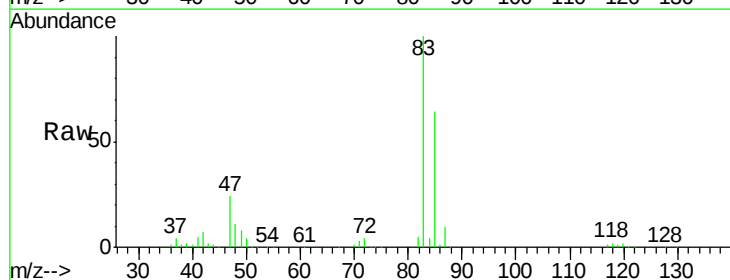
Manual Integrations
APPROVED

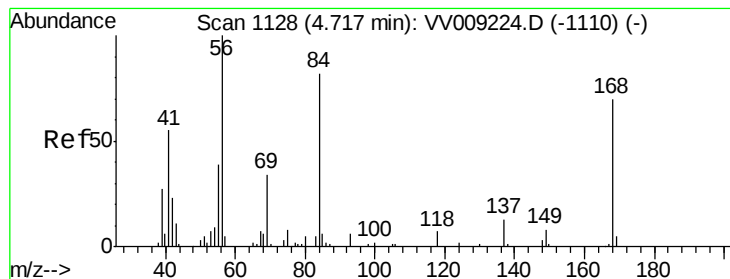
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#30
Chloroform
Concen: 106.970 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





#31

Cvclohexane

Concen: 104.470 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

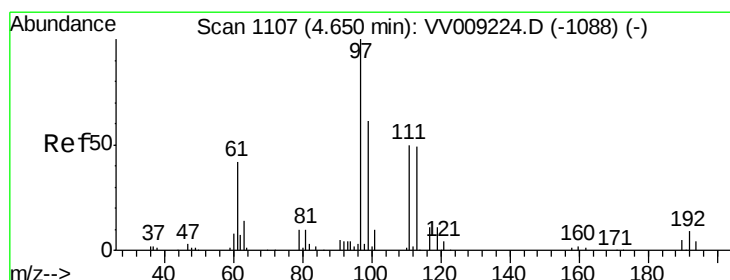
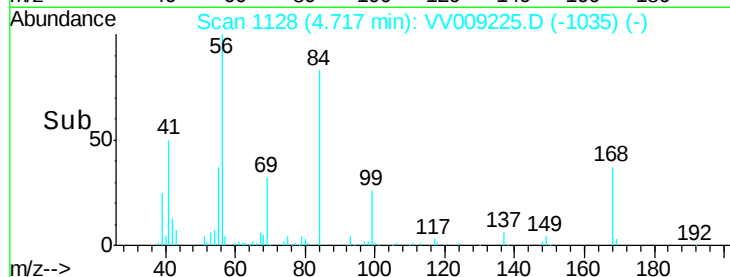
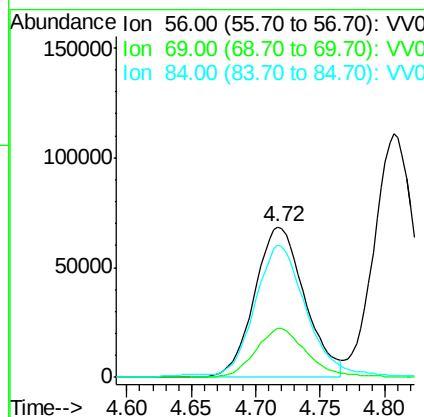
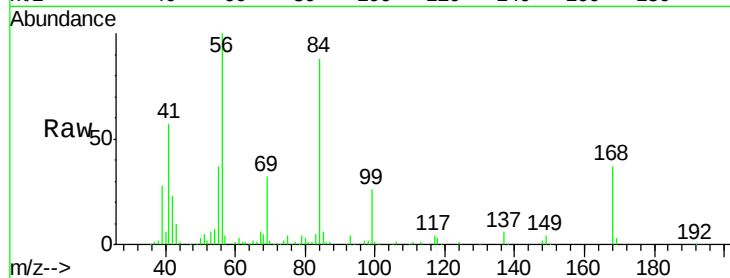
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	185502
Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.0	40.4
84	86.3	65.4	98.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 103.054 ug/l

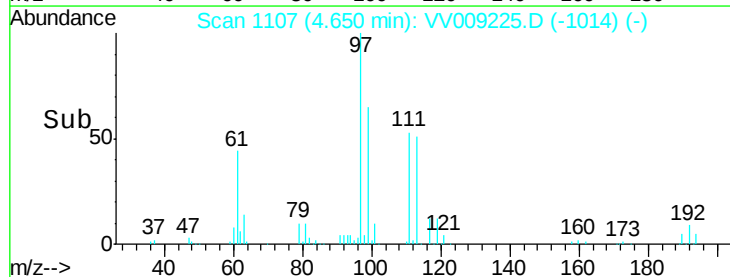
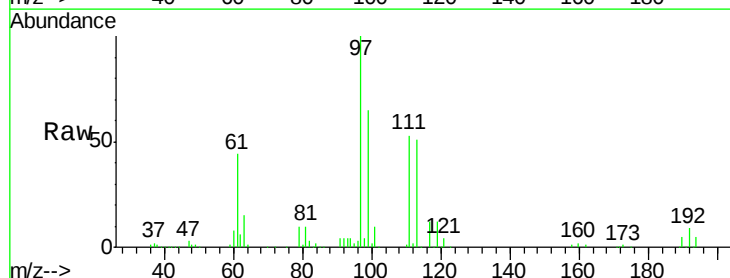
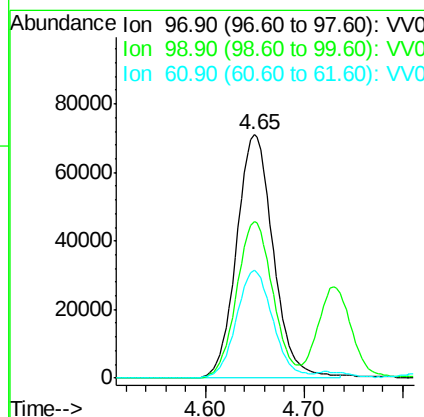
RT: 4.65 min Scan# 1107

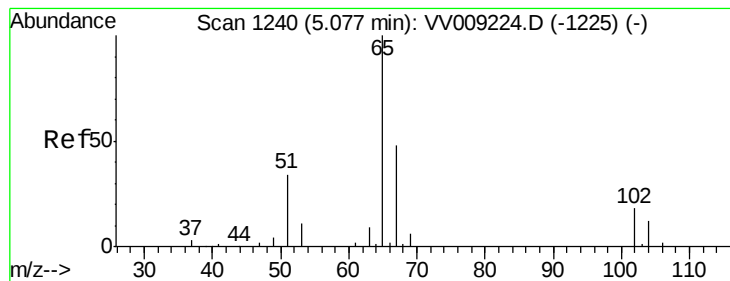
Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion:	97	Resp:	183190
Ion	Ratio	Lower	Upper
97	100		
99	63.3	48.9	73.3
61	44.1	34.7	52.1





#33

1,2-Dichloroethane-d4

Concen: 111.798 ug/l

RT: 5.08 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tot Ion: 65 Resp: 137435

Ion Ratio Lower Upper

65 100

67 50.6 0.0 99.0

Instrument :

MSVOA_V

ClientSampleId :

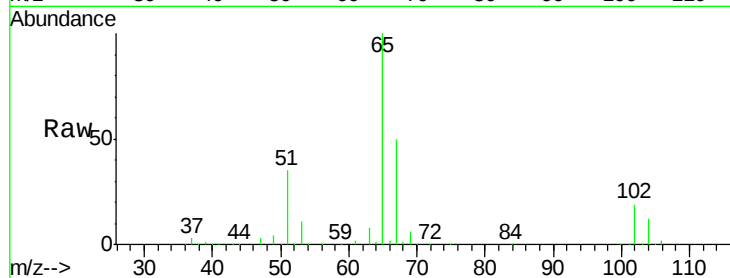
VSTDIC100

Manual Integrations

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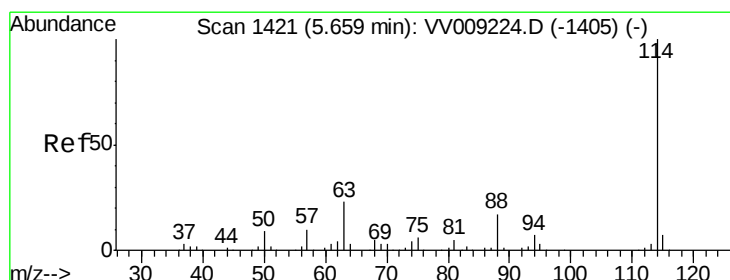
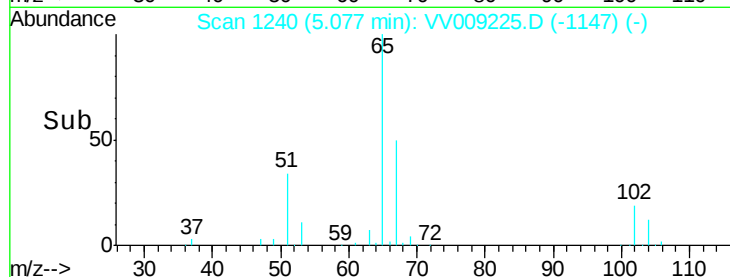
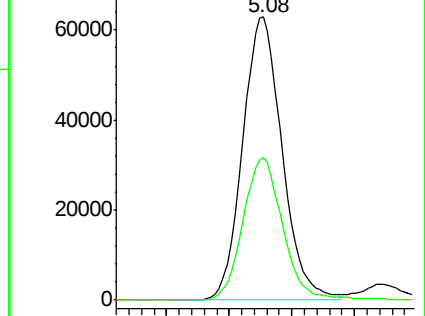
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Abundance Ion 64.90 (64.60 to 65.60): VV009225.D (-1147) (-)

Ion 66.90 (66.60 to 67.60): VV009225.D (-1147) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 1421

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

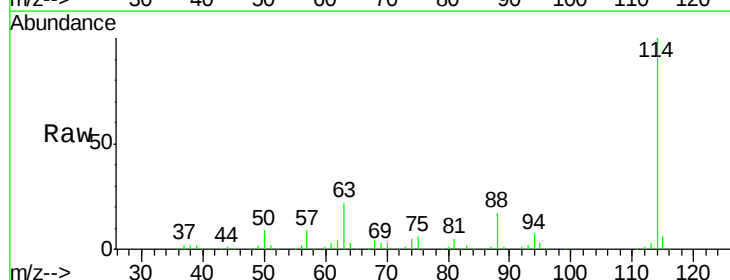
Tgt Ion: 114 Resp: 159230

Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.2

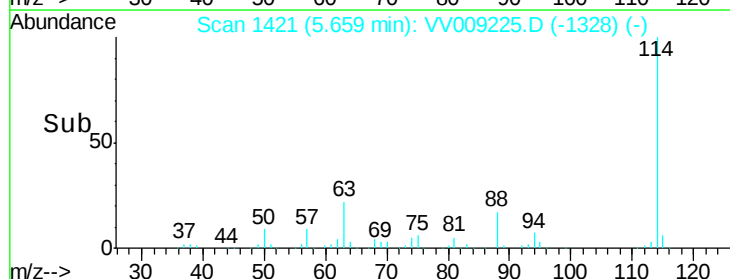
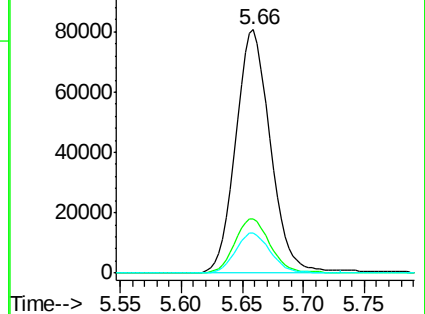
88 16.7 0.0 33.8

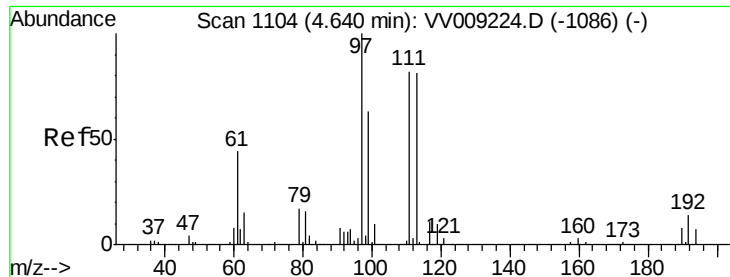


Abundance Ion 113.90 (113.60 to 114.60): VV009225.D (-1328) (-)

Ion 63.00 (62.70 to 63.70): VV009225.D (-1328) (-)

Ion 87.90 (87.60 to 88.60): VV009225.D (-1328) (-)





#35

Dibromofluoromethane

Concen: 112.844 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

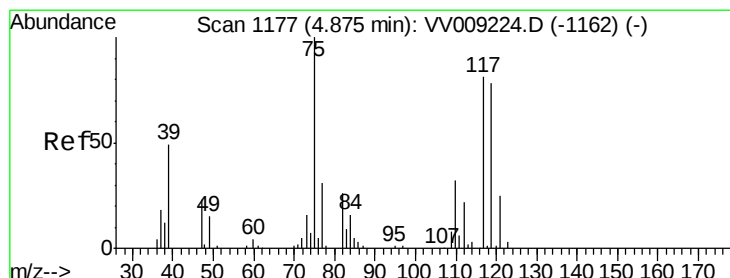
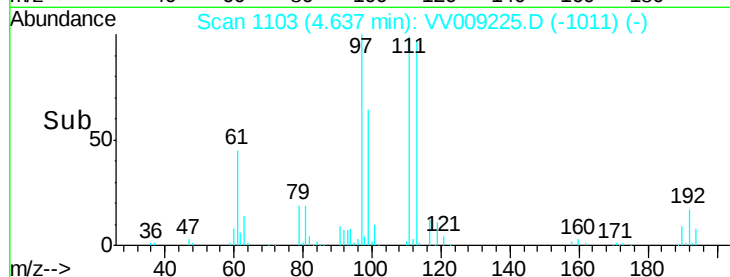
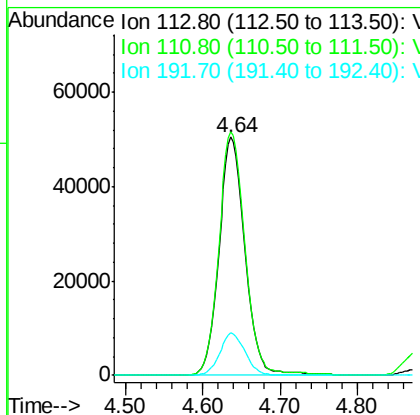
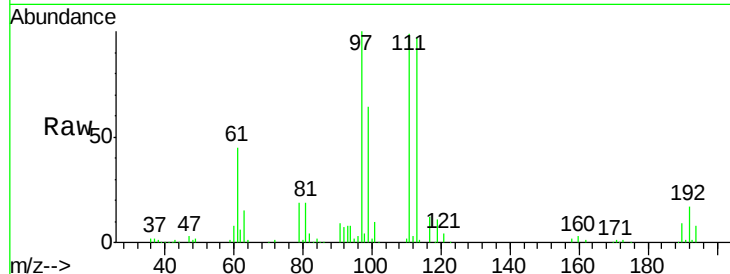
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	117950
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	17.5	14.1	21.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 107.847 ug/l

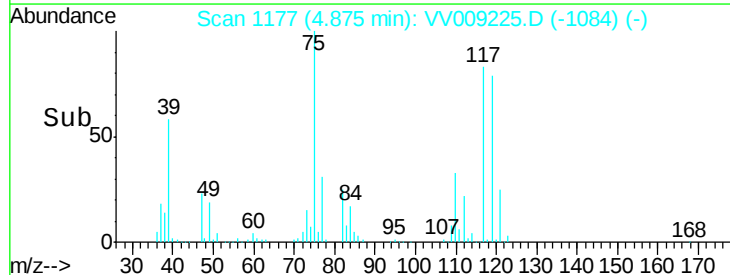
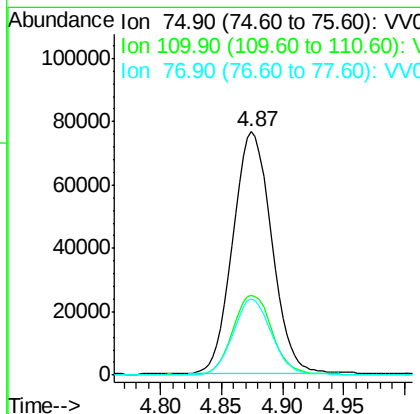
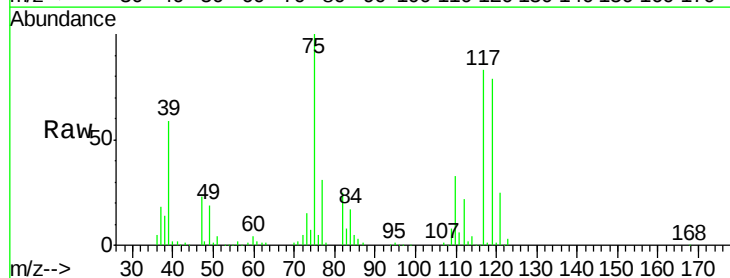
RT: 4.87 min Scan# 1177

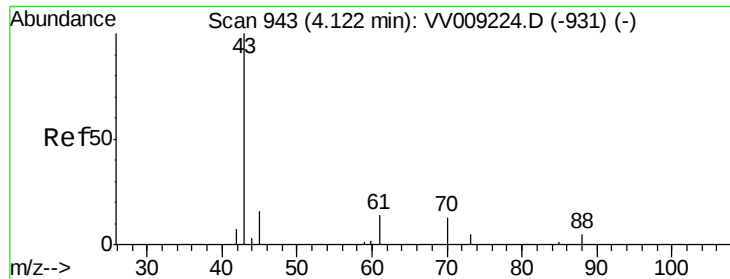
Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion:	75	Resp:	167646
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	51.7
77	30.9	24.4	36.6





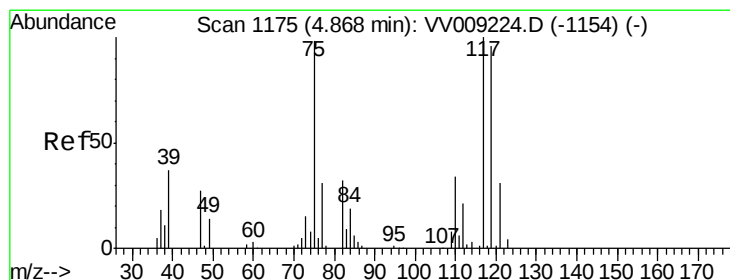
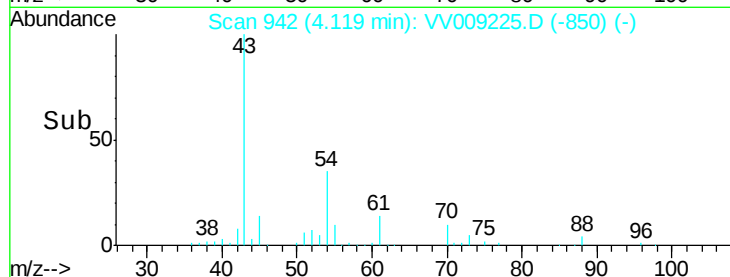
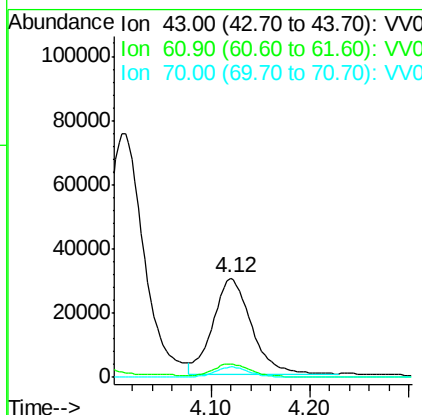
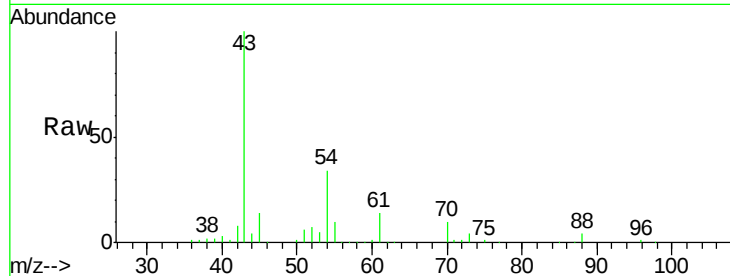
#37
Ethyl Acetate
Concen: 124.139 ug/l
RT: 4.12 min Scan# 942
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.8	14.6
70	9.9	8.2	12.4

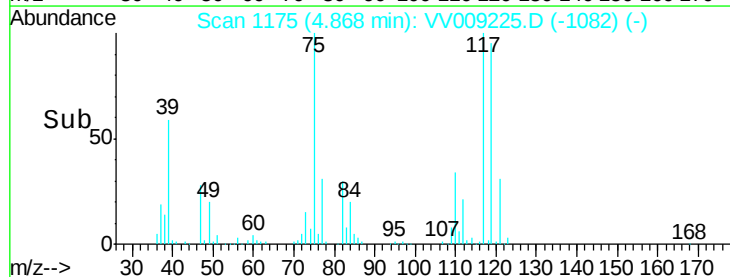
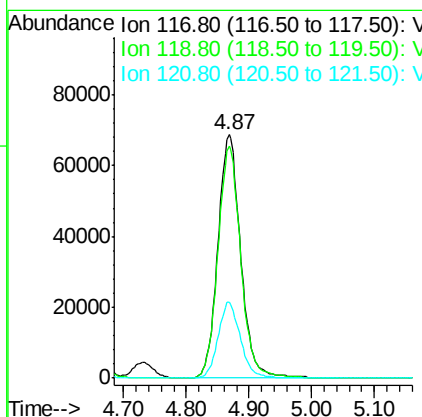
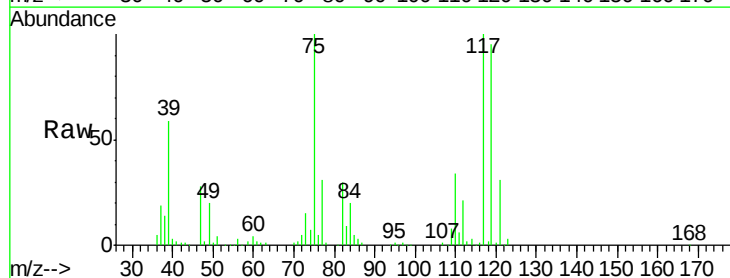
Manual Integrations
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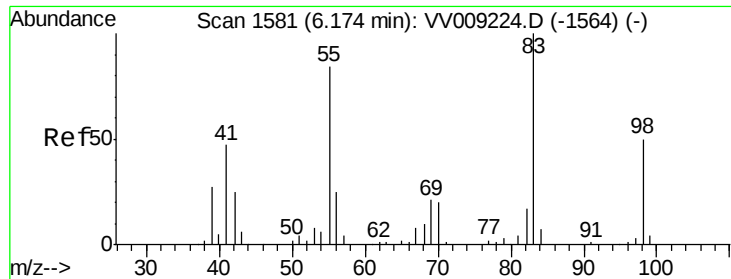
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#38
Carbon Tetrachloride
Concen: 109.081 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.0	115.6
121	31.1	24.7	37.1





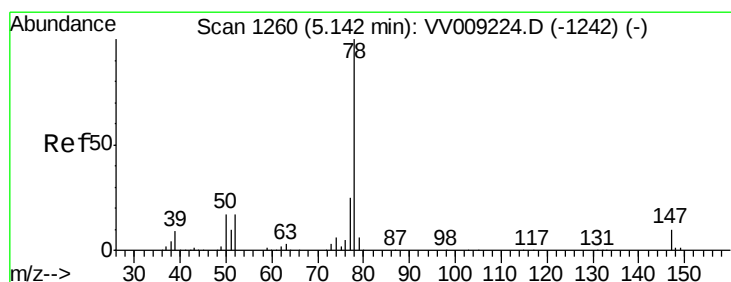
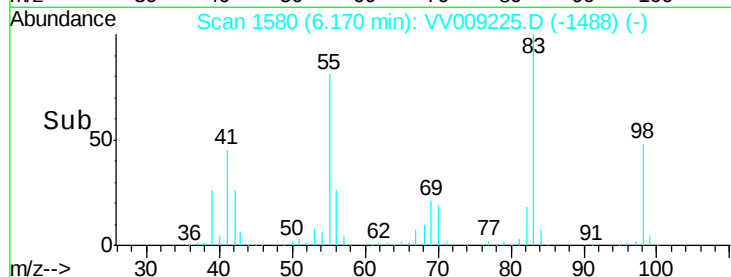
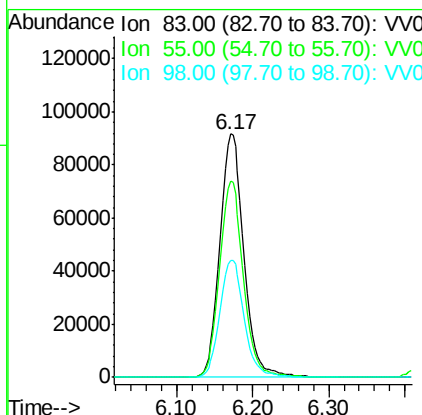
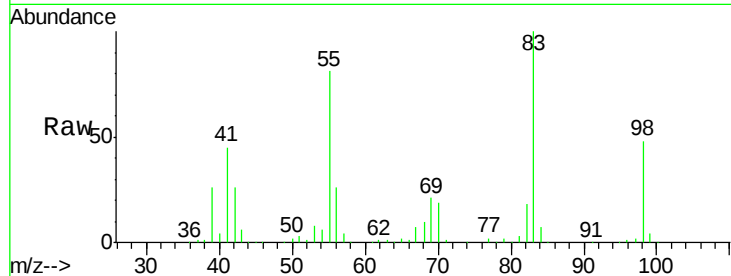
#39
Methvlcvclohexane
Concen: 107.929 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	67.0	100.6
98	48.1	40.2	60.2

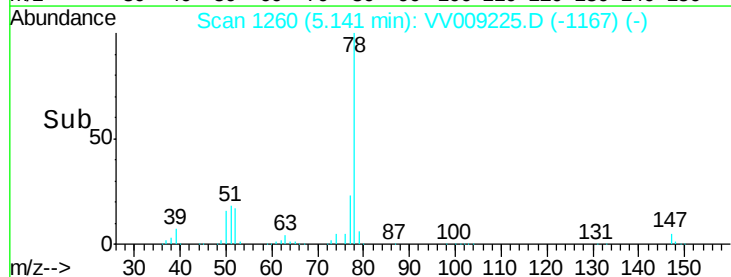
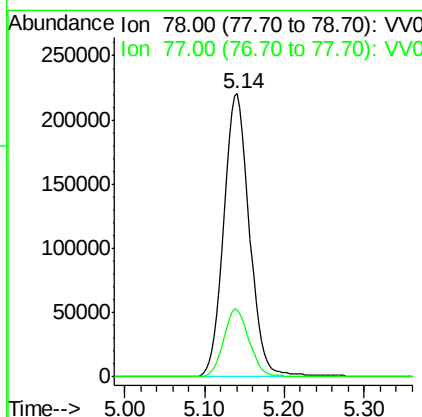
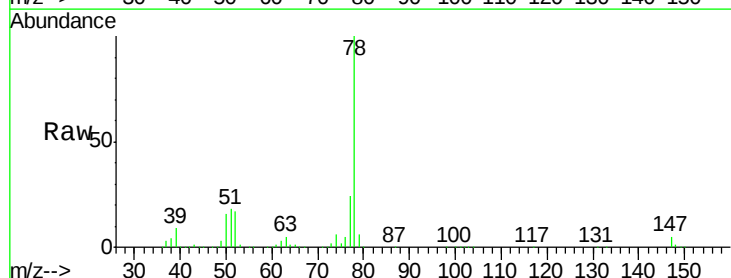
Manual Integrations
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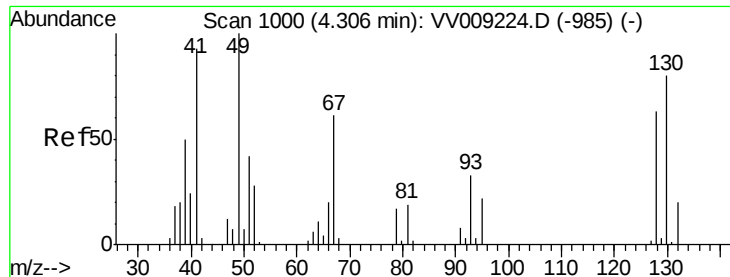
MMDadoda
1/21/2019 10:45:35 AM



#40
Benzene
Concen: 107.944 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.6





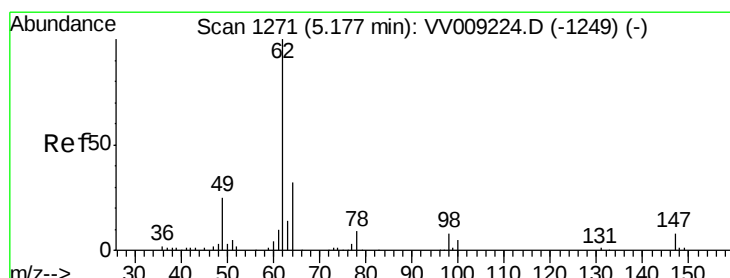
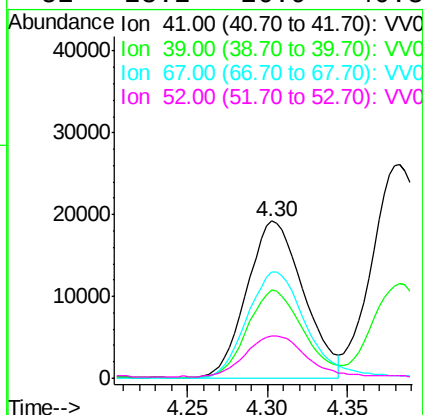
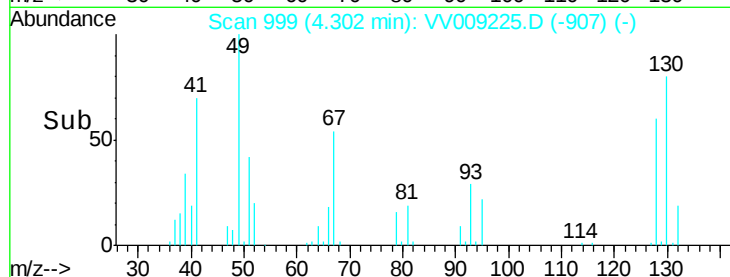
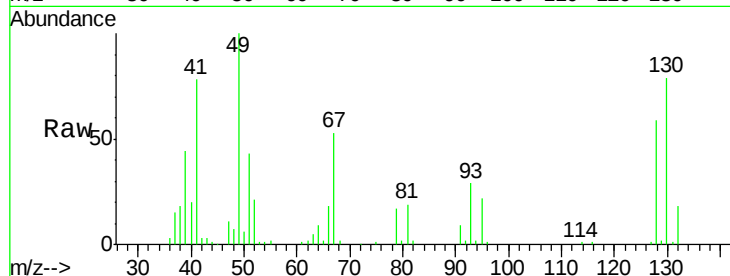
#41
Methacrylonitrile
Concen: 122.246 ug/l
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	47099
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.8	67.2
67	70.6	57.5	86.3
52	28.2	26.9	40.3

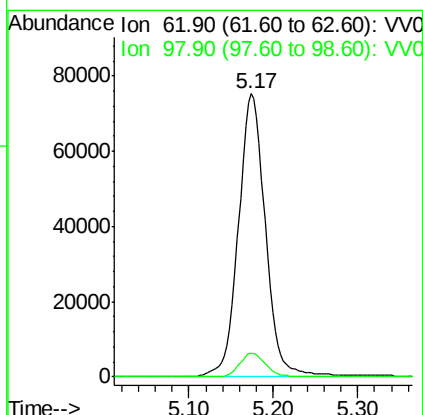
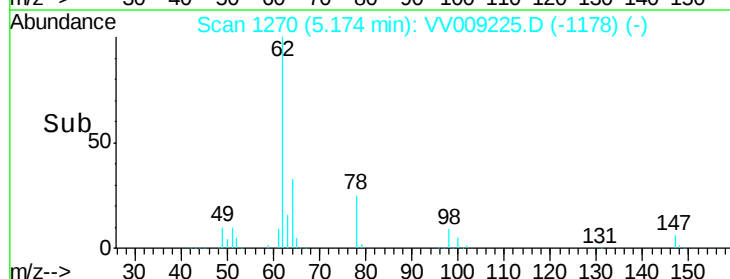
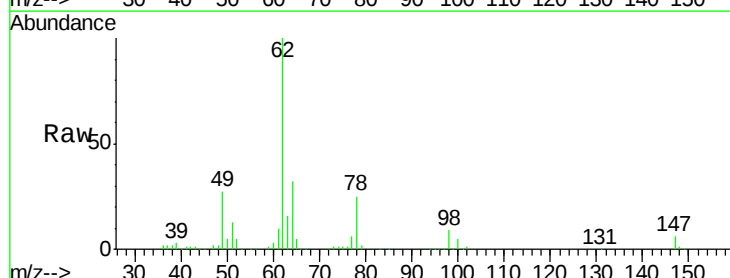
Manual Integrations
APPROVED

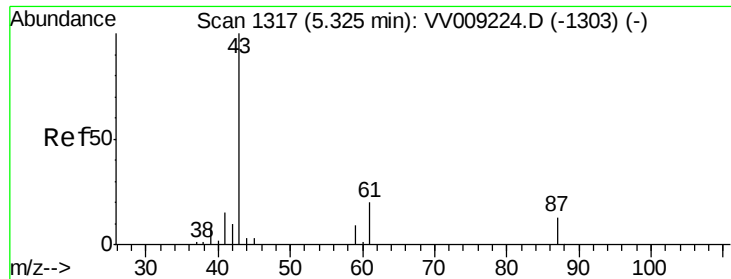
MMDadoda
1/21/2019 10:45:35 AM



#42
1,2-Dichloroethane
Concen: 111.342 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	62	Resp	168805
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4





#43

Isopropyl Acetate

Concen: 121.914 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

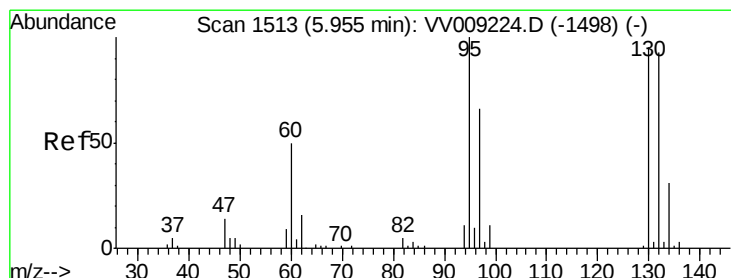
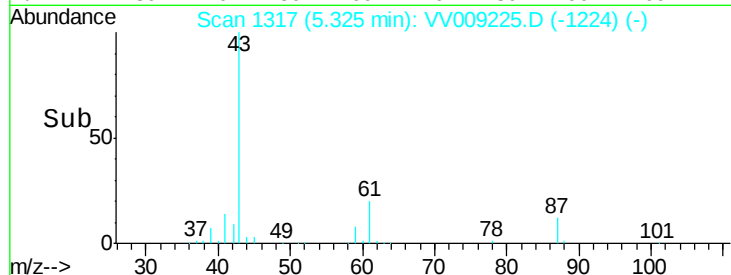
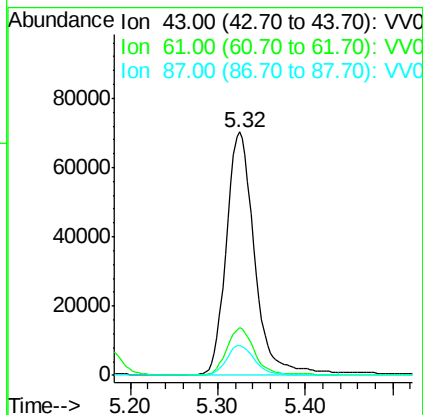
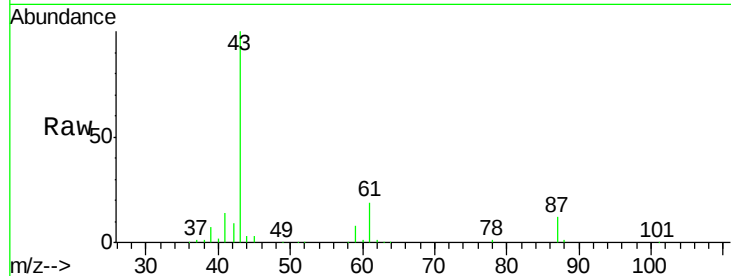
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	156850
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.1	22.7
87	12.4	10.0	15.0

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#44

Trichloroethene

Concen: 108.995 ug/l

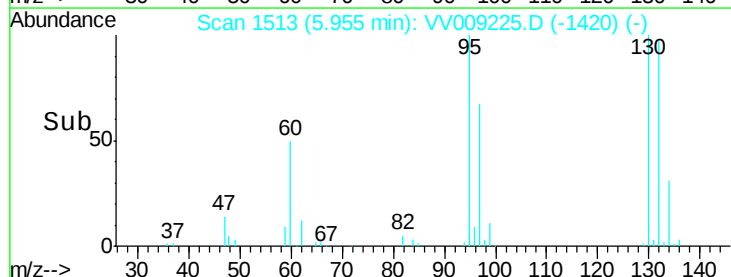
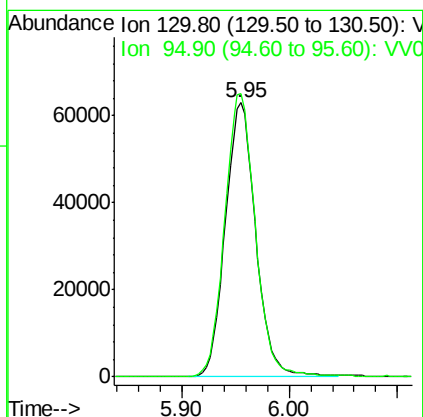
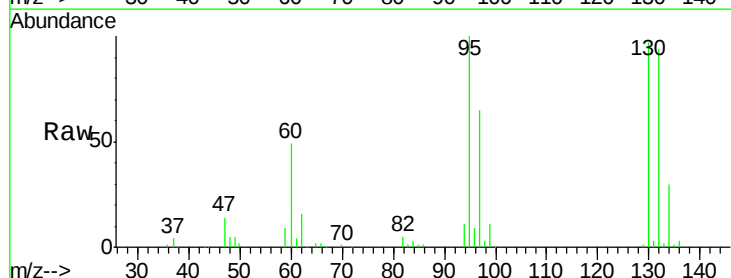
RT: 5.95 min Scan# 1513

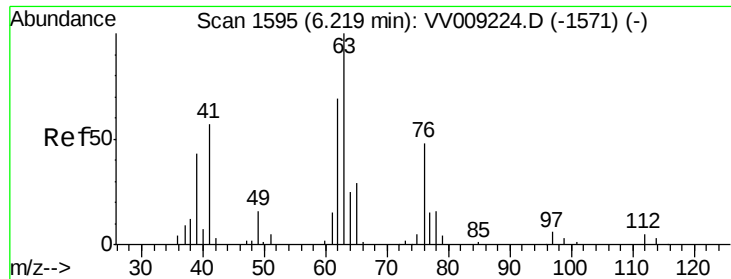
Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion:	130	Resp:	123933
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	209.4





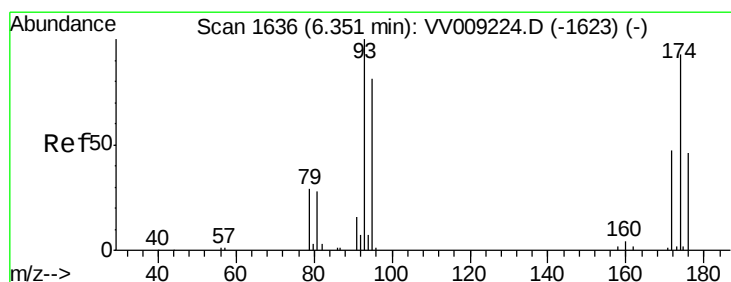
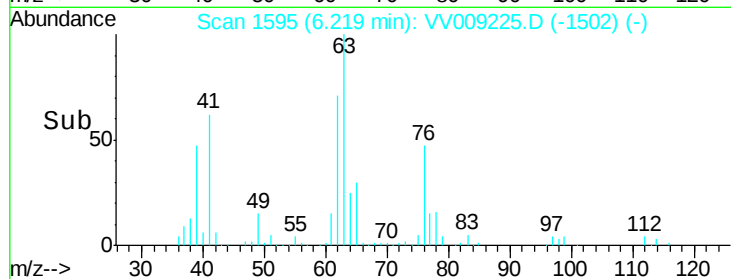
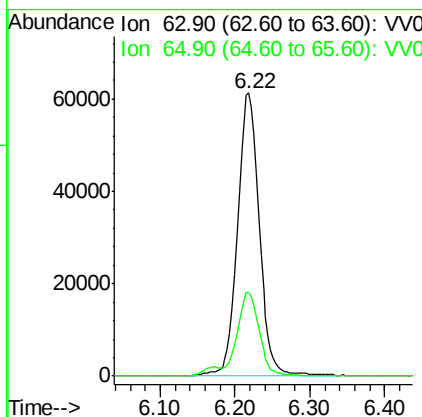
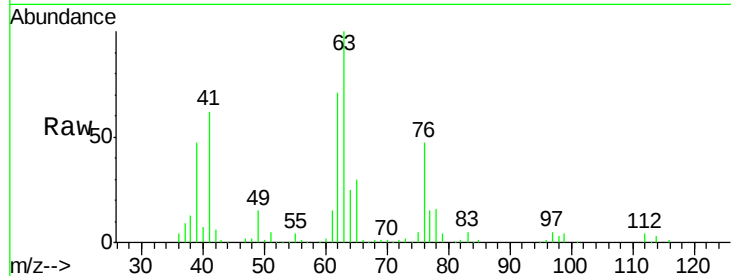
#45
 1,2-Dichloropropane
 Concen: 111.056 ug/l
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 125367
 Ion Ratio Lower Upper
 63 100
 65 29.3 23.9 35.9

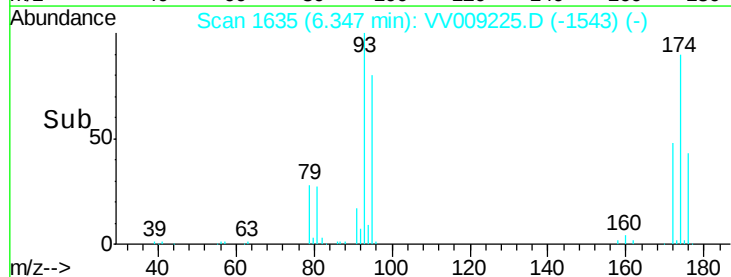
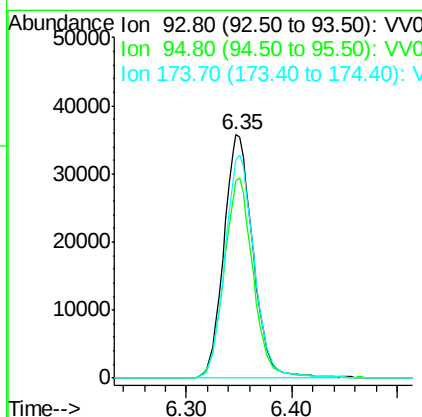
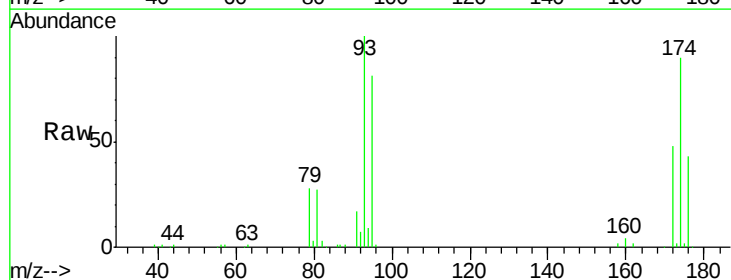
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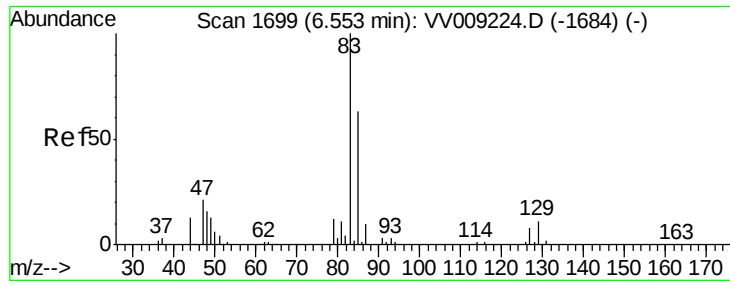
MMDadoda
 1/21/2019 10:45:35 AM



#46
 Dibromomethane
 Concen: 114.455 ug/l
 RT: 6.35 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion: 93 Resp: 68237
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.4
 174 92.0 73.0 109.6





#47

Bromodichloromethane

Concen: 115.335 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 182532
Ion Ratio Lower Upper

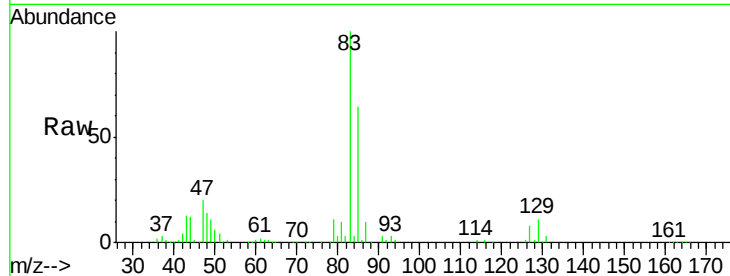
83 100

85 63.8 50.6 75.8

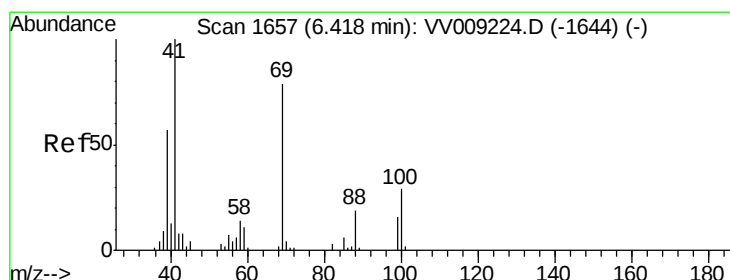
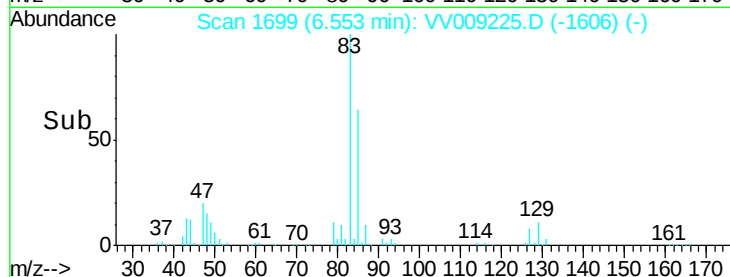
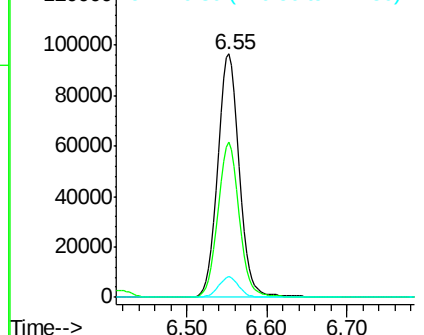
127 8.4 6.5 9.7

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Abundance Ion 82.90 (82.60 to 83.60): VV0
Ion 84.90 (84.60 to 85.60): VV0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 119.989 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

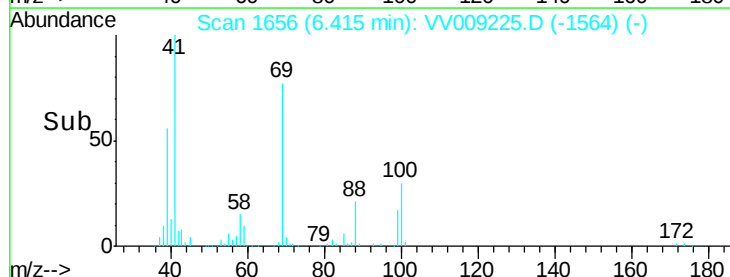
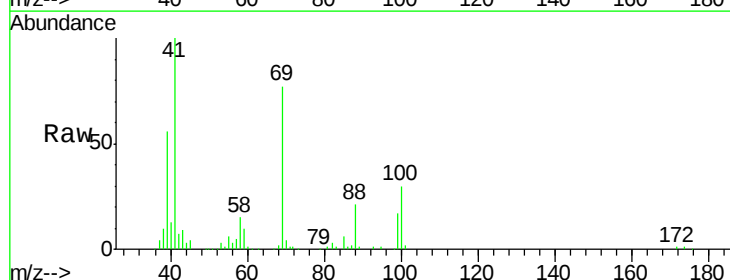
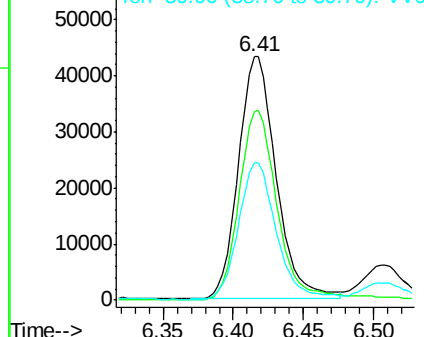
Tgt Ion: 41 Resp: 81008
Ion Ratio Lower Upper

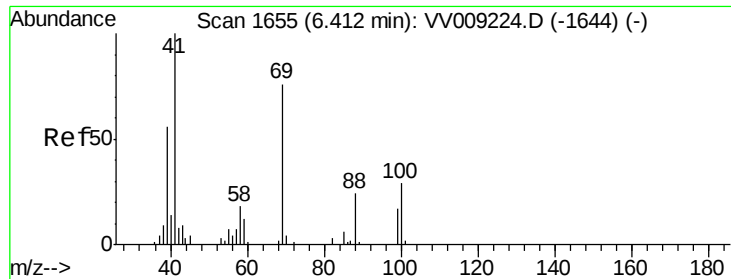
41 100

69 81.0 62.2 93.4

39 56.6 44.7 67.1

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





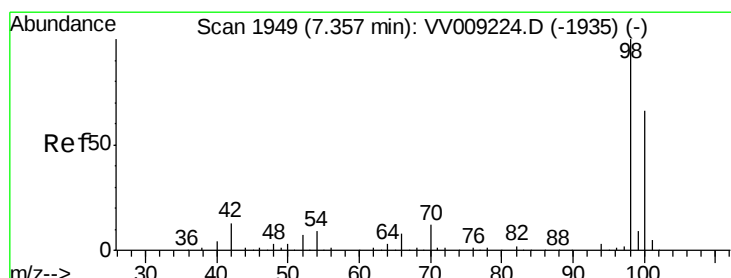
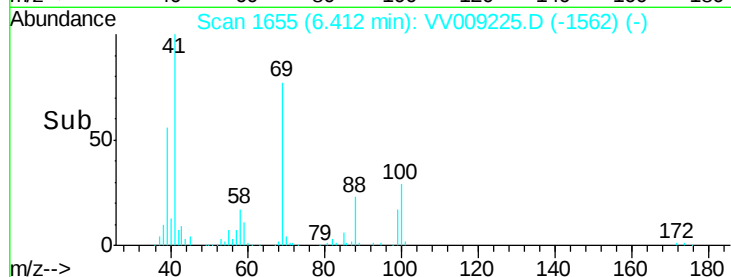
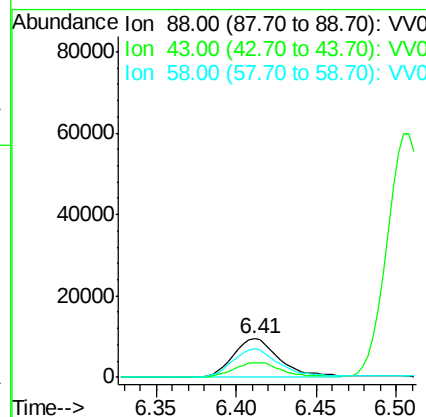
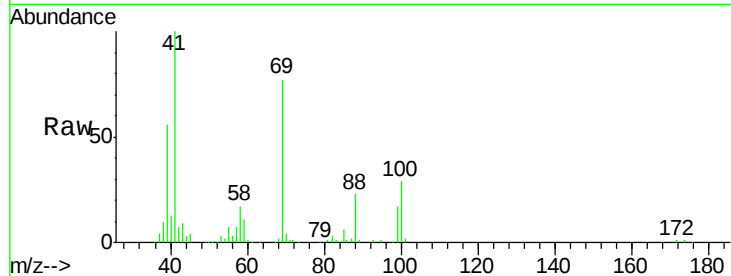
#49
1,4-Dioxane
Concen: 2350.329 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.8		31.3	46.9
58	76.3		59.6	89.4

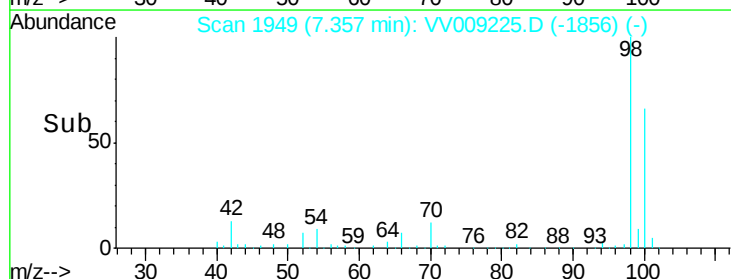
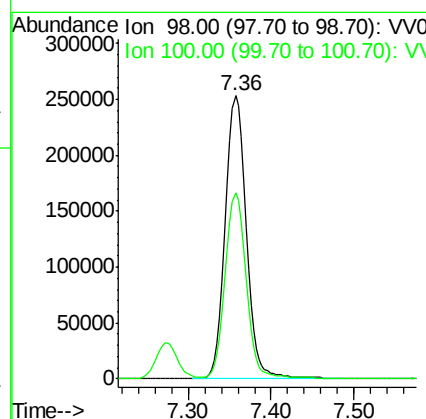
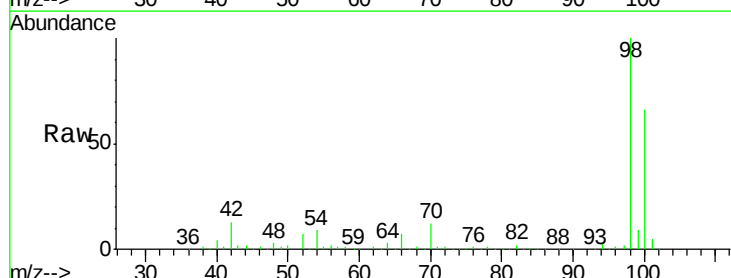
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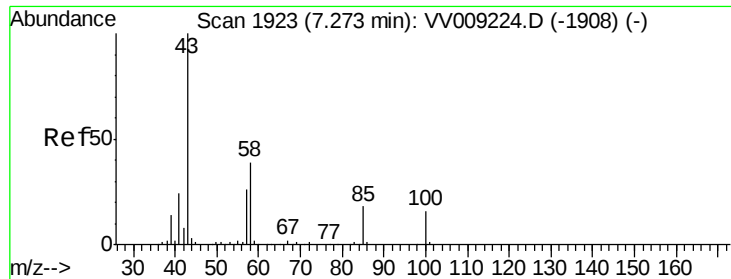
MMDadoda
1/21/2019 10:45:35 AM



#50
Toluene-d8
Concen: 113.328 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.5		52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 581.798 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 391408

Ion Ratio Lower Upper

43 100

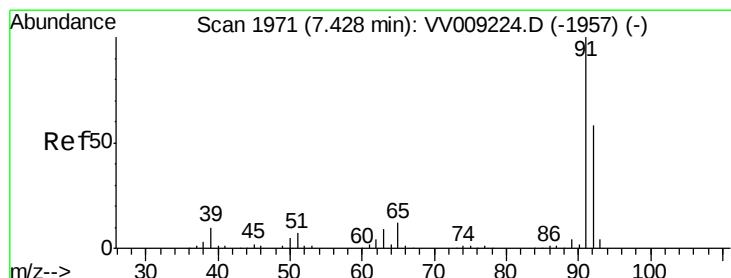
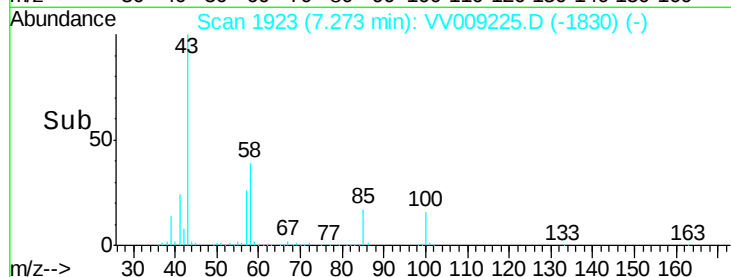
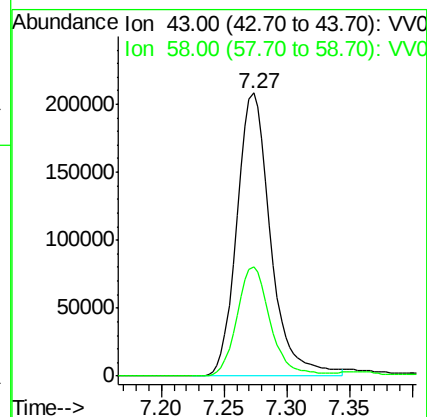
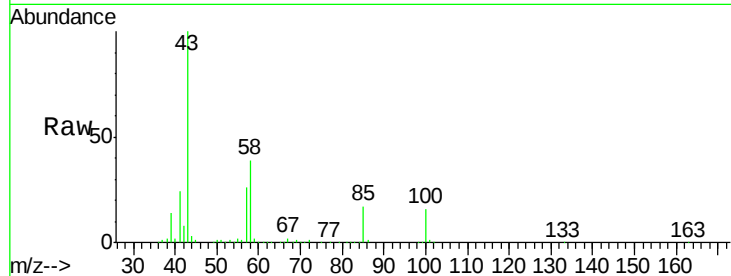
58 38.1 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 109.330 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV009225.D

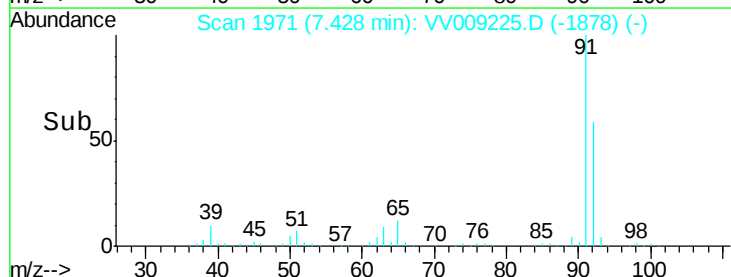
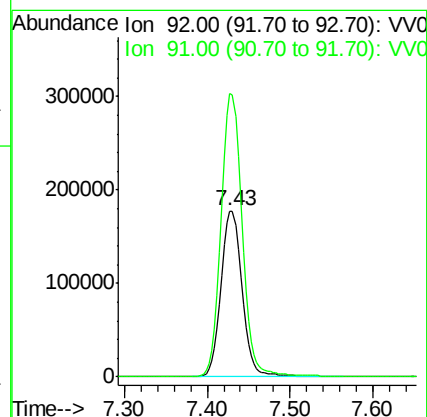
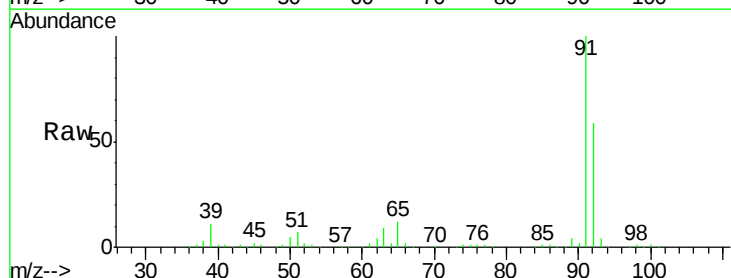
Acq: 18 Jan 2019 17:22

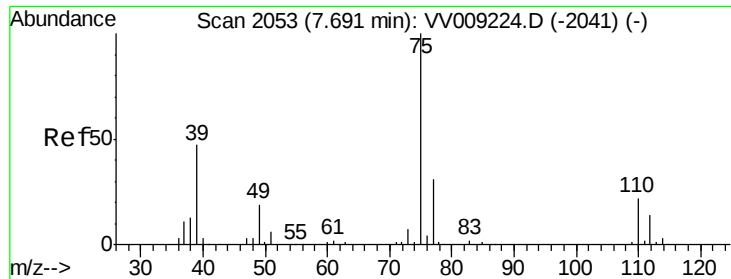
Tgt Ion: 92 Resp: 313455

Ion Ratio Lower Upper

92 100

91 170.7 136.9 205.3





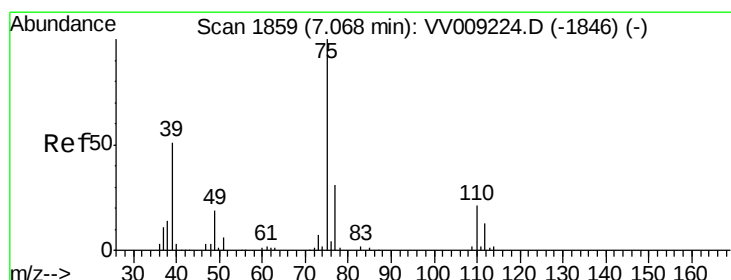
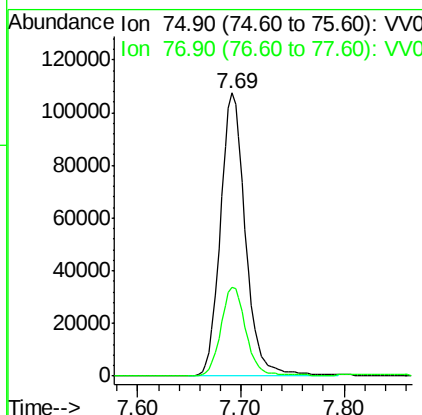
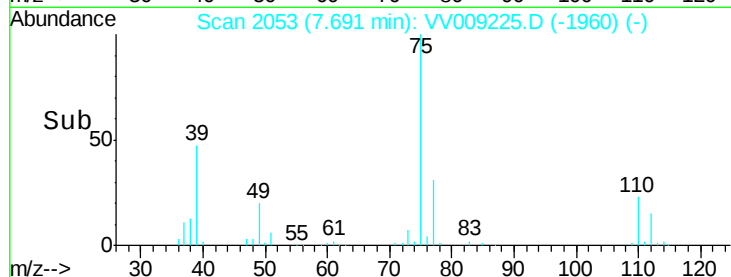
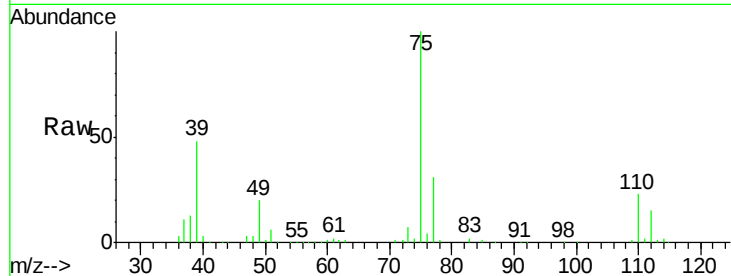
#53
 t-1,3-Dichloropropene
 Concen: 117.074 ug/l
 RT: 7.69 min Scan# 2053
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 181705
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.4 36.6

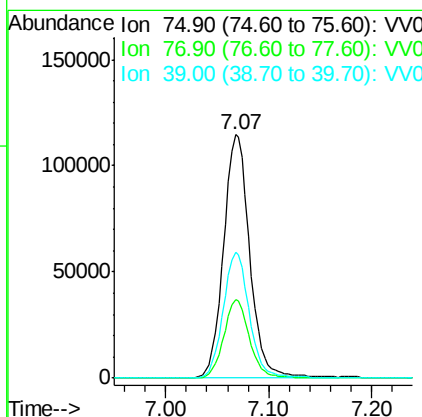
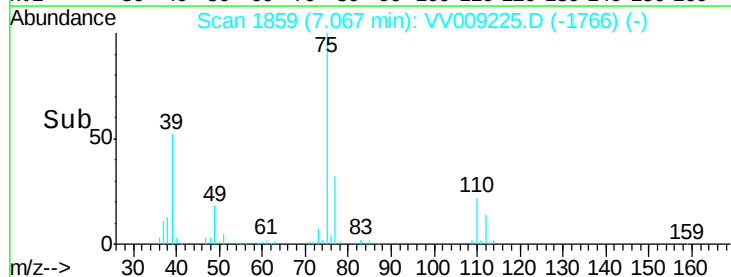
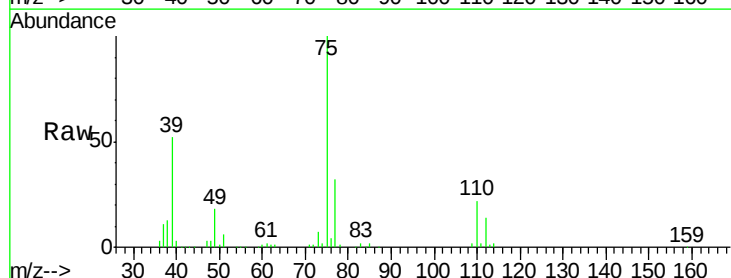
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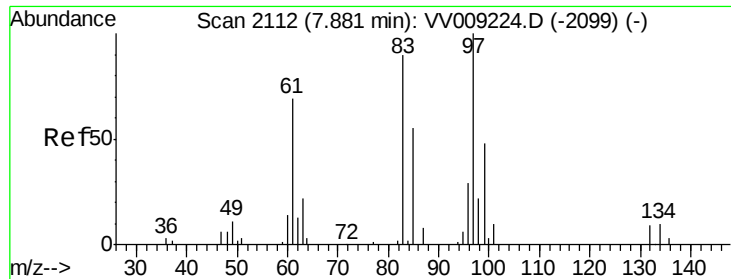
MMDadoda
 1/21/2019 10:45:35 AM



#54
 cis-1,3-Dichloropropene
 Concen: 113.522 ug/l
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion: 75 Resp: 203544
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.7 37.1
 39 51.5 40.8 61.2





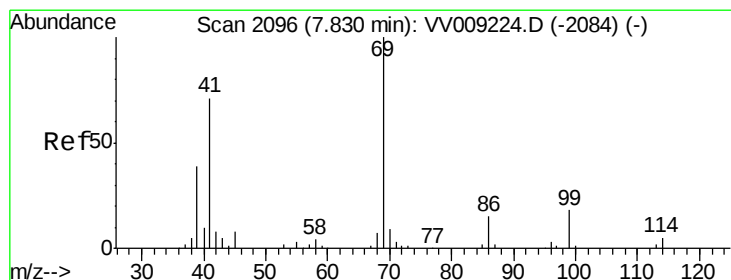
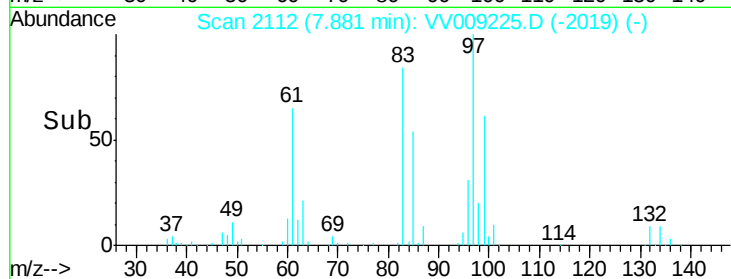
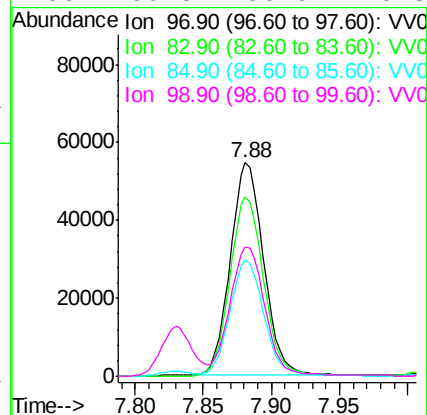
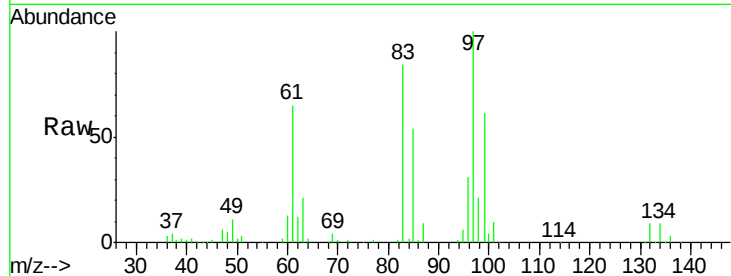
#55
 1,1,2-Trichloroethane
 Concen: 116.519 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.5	71.9	107.9
85	54.0	44.8	67.2
99	60.3	50.9	76.3

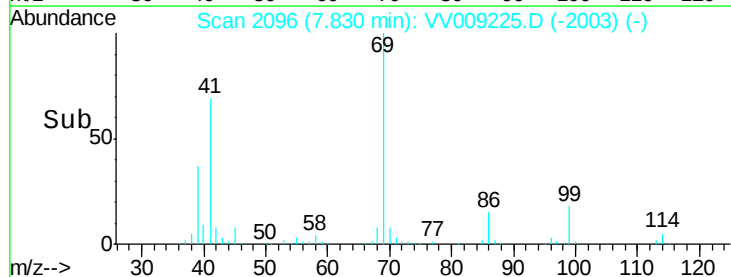
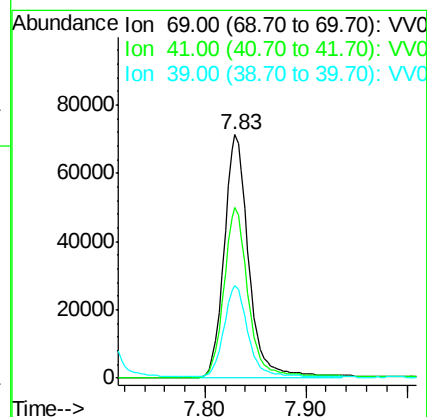
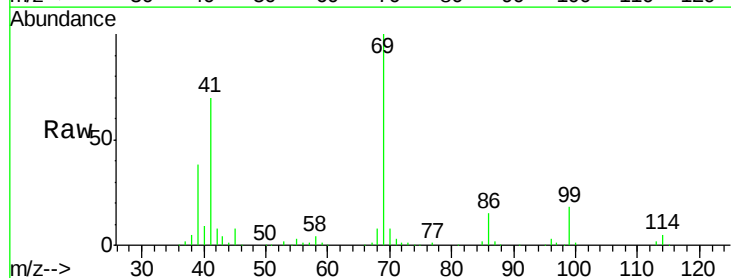
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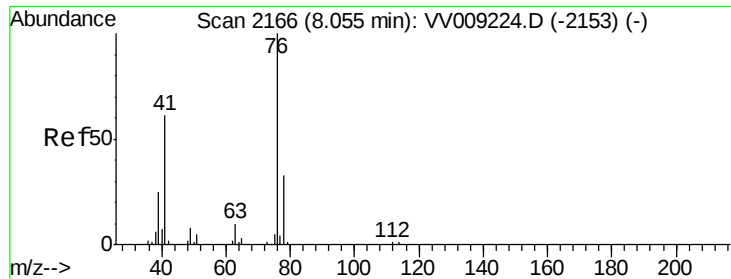
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 1/21/2019 10:45:35 AM



#56
 Ethyl methacrylate
 Concen: 121.756 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.4	83.2
39	36.0	29.4	44.2





#57

1,3-Dichloropropane

Concen: 112.910 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampled :

VSTDICC100

Tot Ion: 76 Resp: 169940

Ion Ratio Lower Upper

76 100

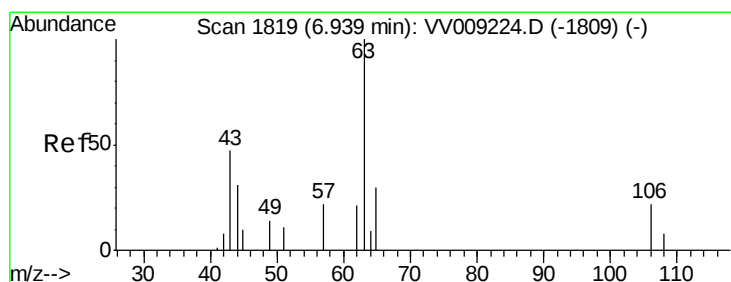
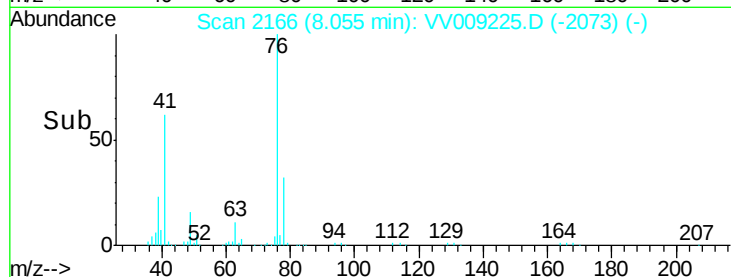
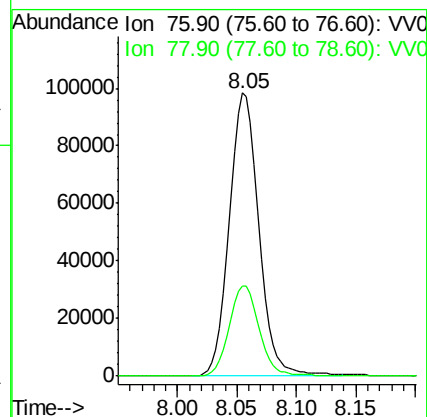
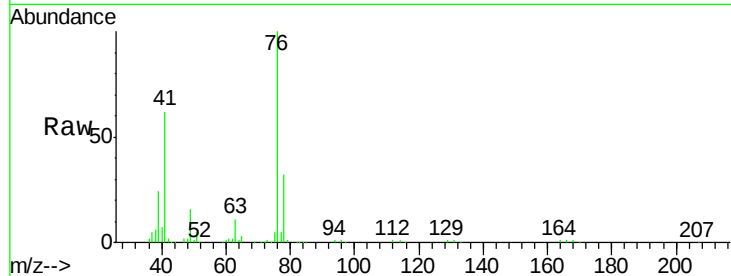
78 32.5 25.8 38.6

Manual Integrations

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1/21/2019 10:45:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 1427.633 ug/l

RT: 6.93 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VV009225.D

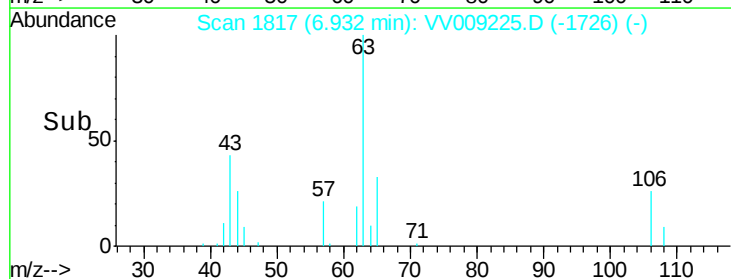
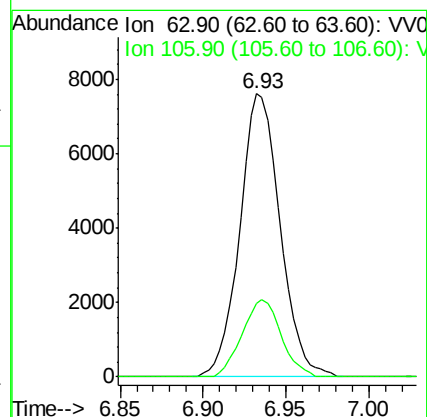
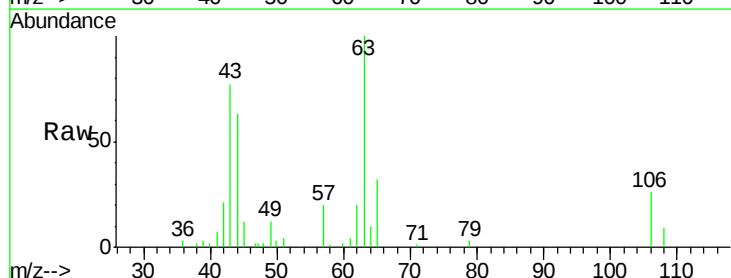
Acq: 18 Jan 2019 17:22

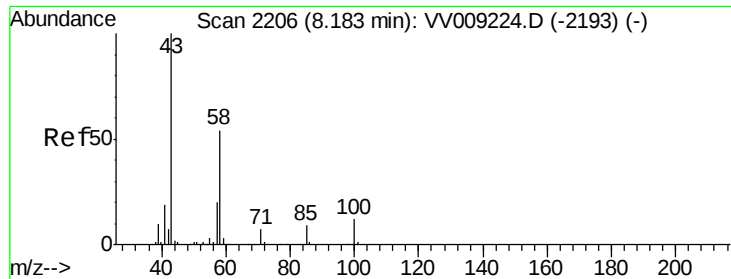
Tgt Ion: 63 Resp: 12870

Ion Ratio Lower Upper

63 100

106 26.3 16.6 24.8#





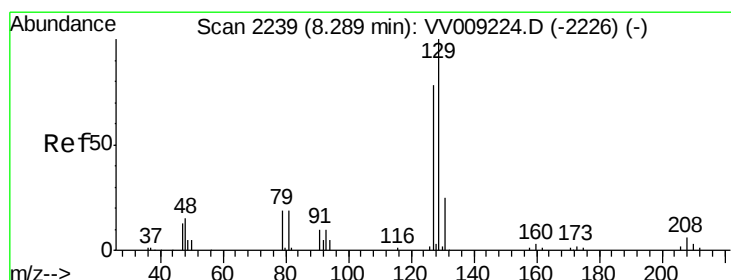
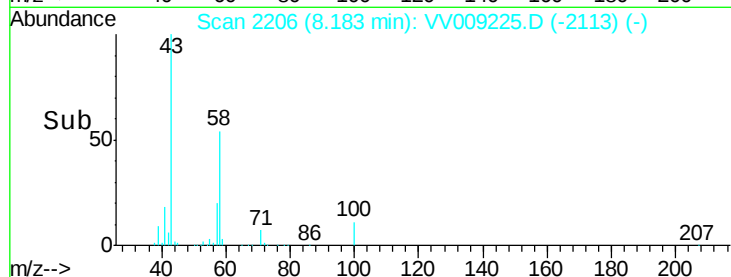
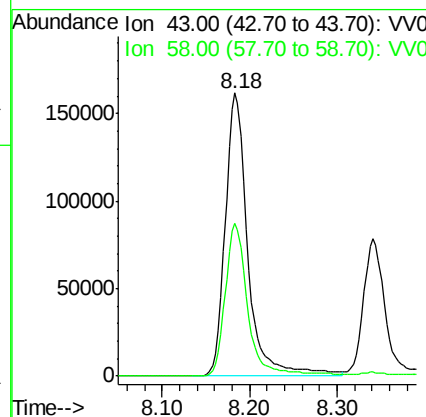
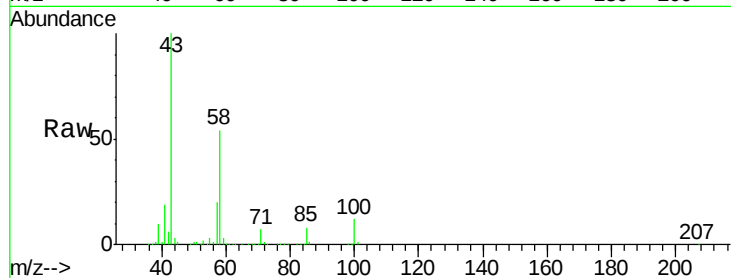
#59
2-Hexanone
Concen: 603.639 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	291134
Ion Ratio	43	100	
Lower	58	54.2	26.3
Upper			78.9

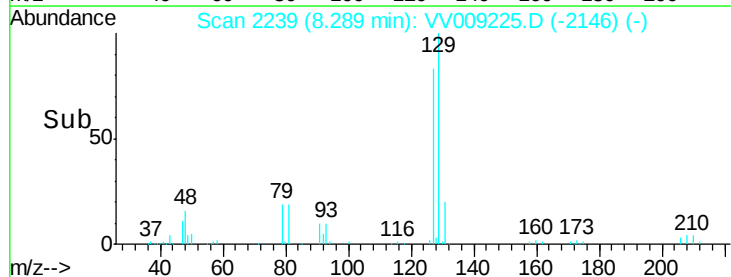
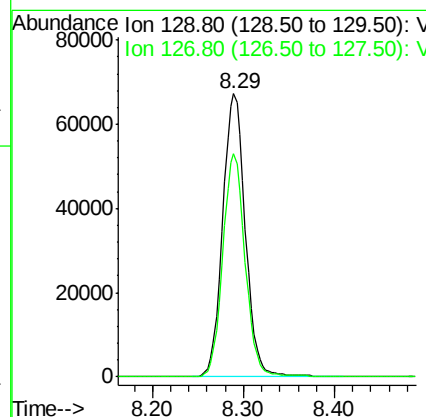
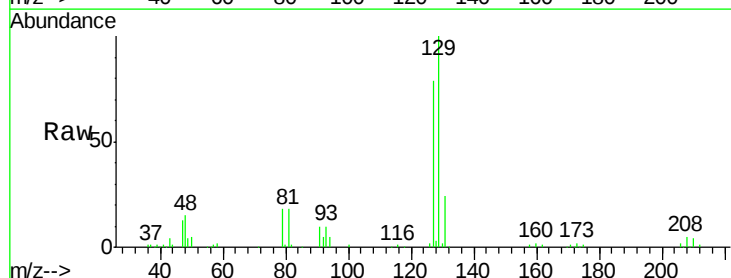
Manual Integrations
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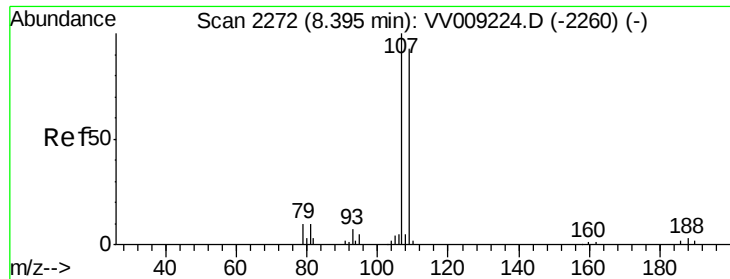
MMDadoda
1/21/2019 10:45:35 AM



#60
Dibromochloromethane
Concen: 118.540 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	129	Resp	116506
Ion Ratio	129	100	
Lower	127	77.9	38.6
Upper			115.8





#61

1,2-Dibromoethane

Concen: 117.794 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 93971

Ion Ratio Lower Upper

107 100

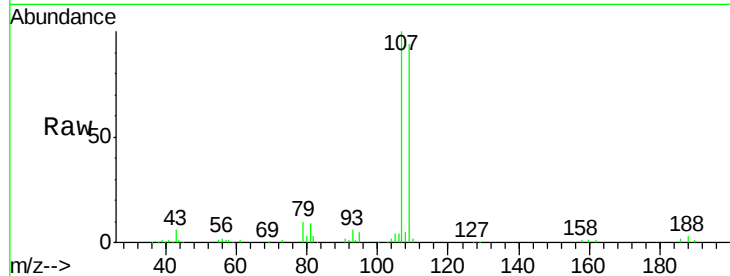
109 92.6 75.5 113.3

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.40

60000

50000

40000

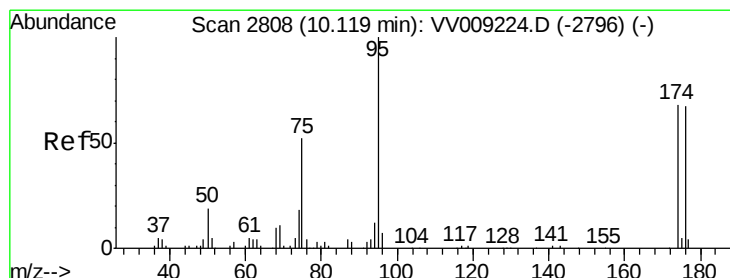
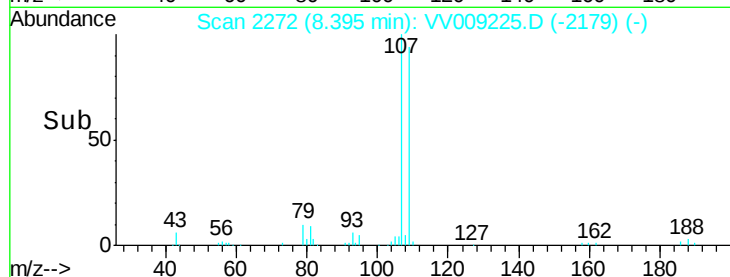
30000

20000

10000

0

Time--> 8.30 8.40 8.50



#62

4-Bromofluorobenzene

Concen: 114.706 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

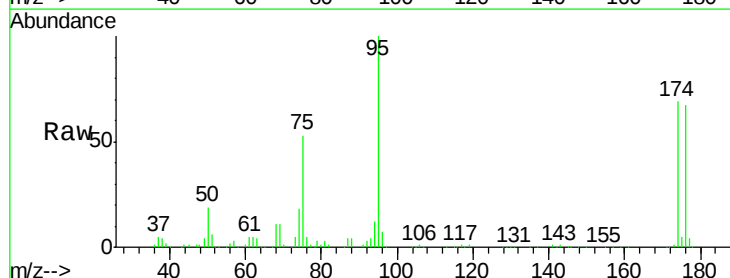
Tgt Ion: 95 Resp: 176643

Ion Ratio Lower Upper

95 100

174 70.7 0.0 141.6

176 68.3 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

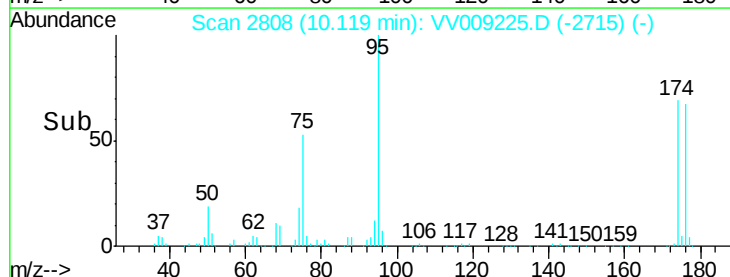
150000

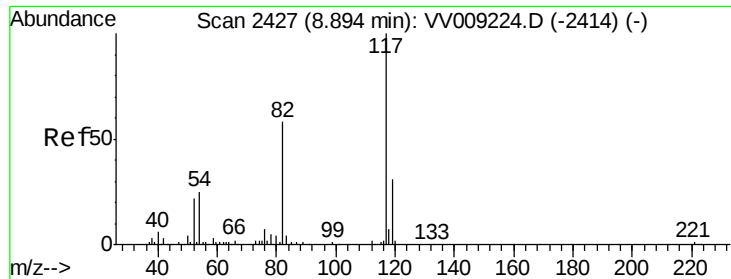
100000

50000

0

Time--> 10.10 10.12 10.20





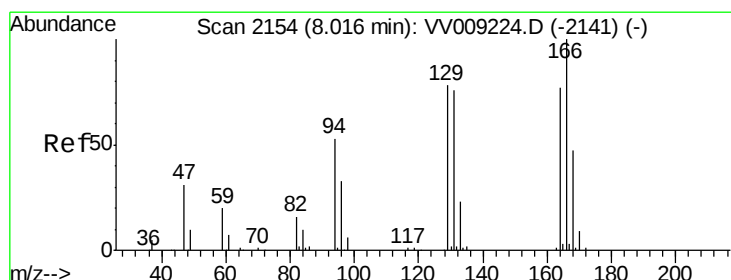
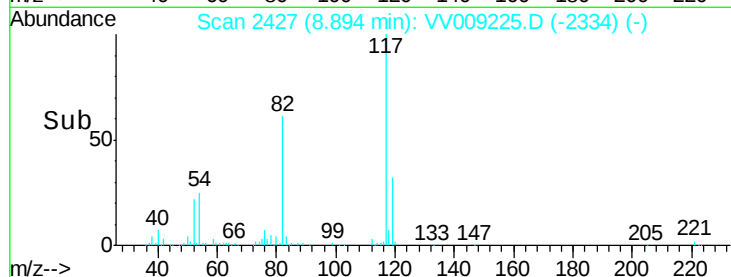
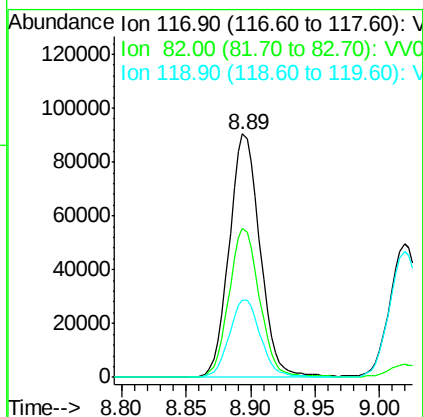
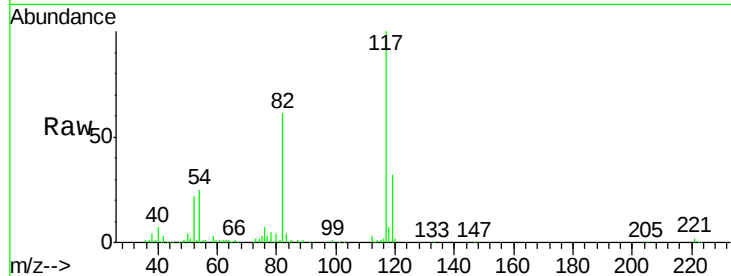
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	46.2	69.2
119	31.8	25.0	37.4

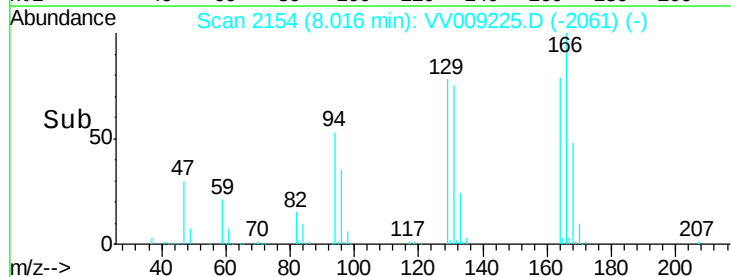
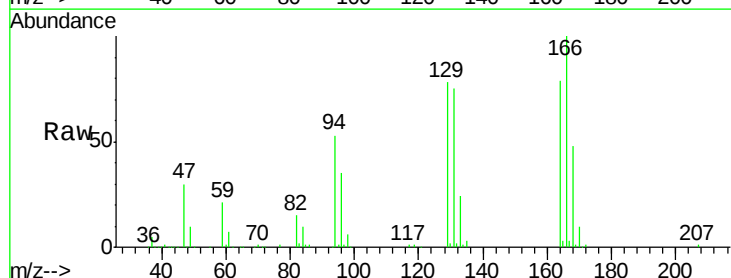
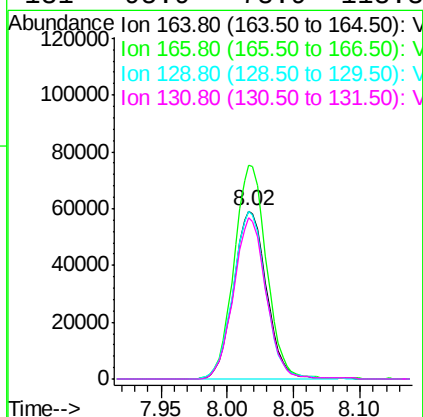
Manual Integrations
APPROVED

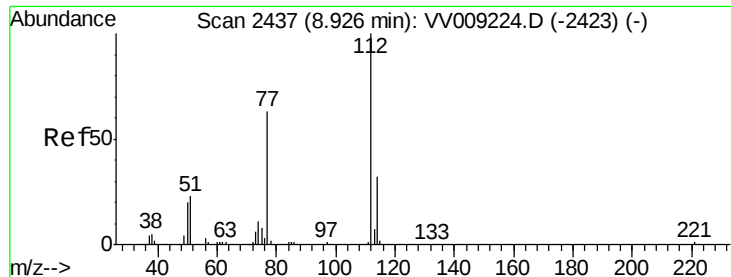
MMDadoda
1/21/2019 10:45:35 AM



#64
Tetrachloroethene
Concen: 108.895 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.2	156.2
129	99.7	81.0	121.4
131	95.9	78.9	118.3





#65

Chlorobenzene

Concen: 108.694 ug/l

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 344695

Ion Ratio Lower Upper

112 100

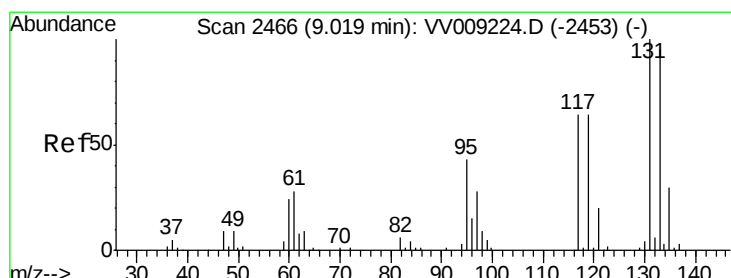
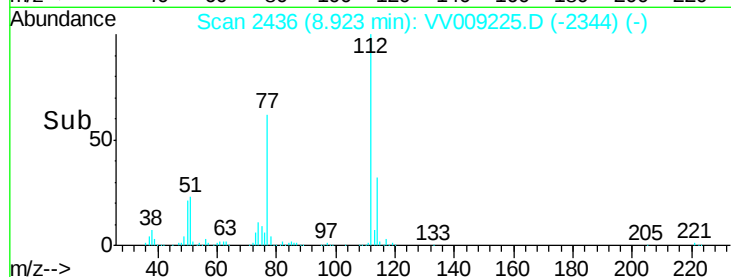
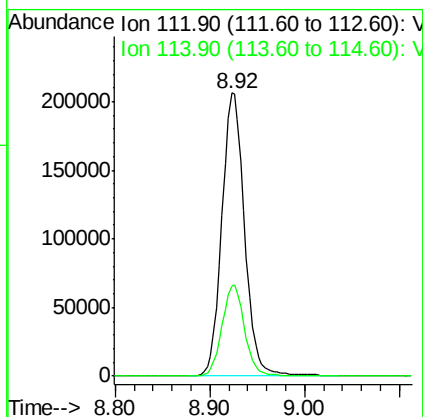
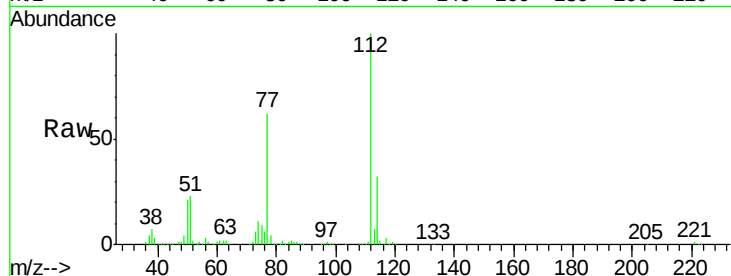
114 31.9 25.8 38.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 110.089 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

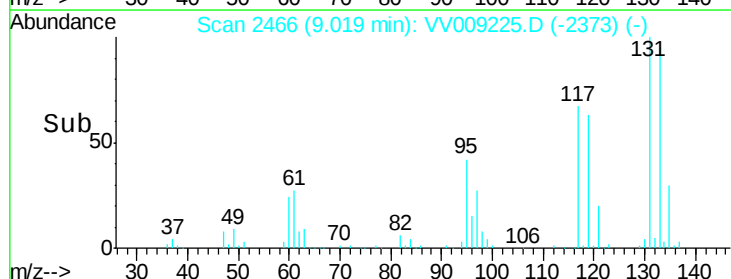
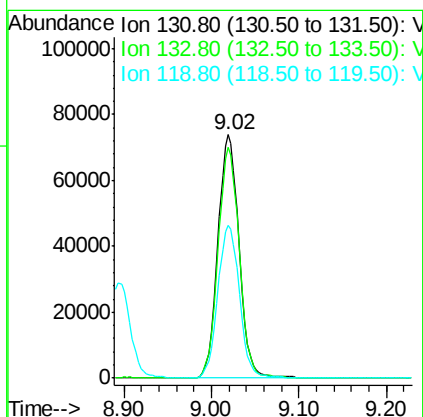
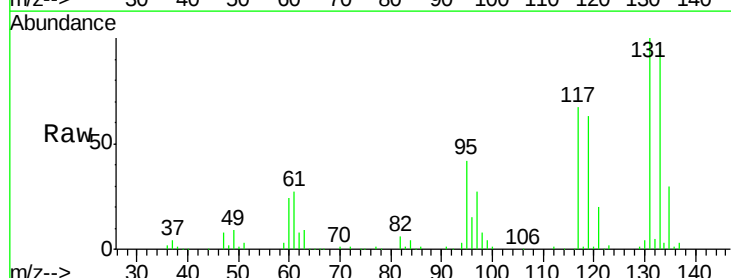
Tgt Ion:131 Resp: 123981

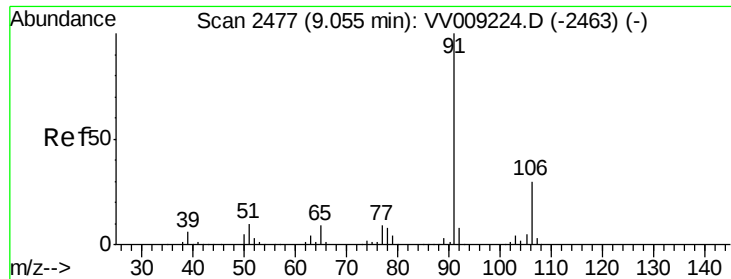
Ion Ratio Lower Upper

131 100

133 95.5 47.3 141.8

119 63.7 32.5 97.5





#67

Ethyl Benzene

Concen: 108.120 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 618266

Ion Ratio Lower Upper

91 100

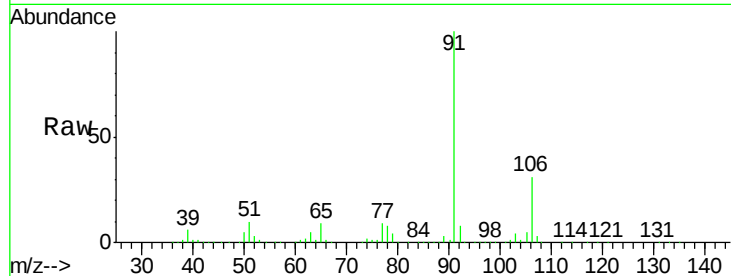
106 30.6 24.1 36.1

Manual Integrations

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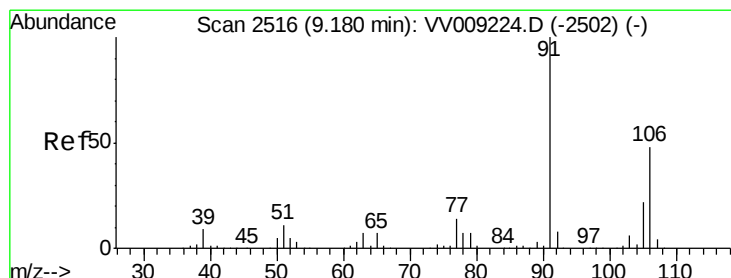
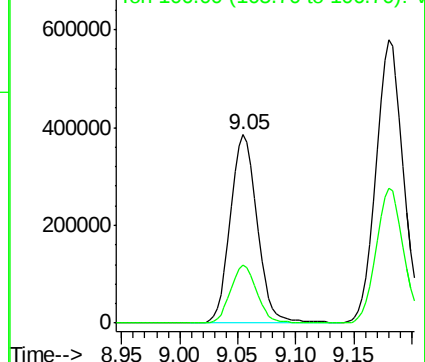
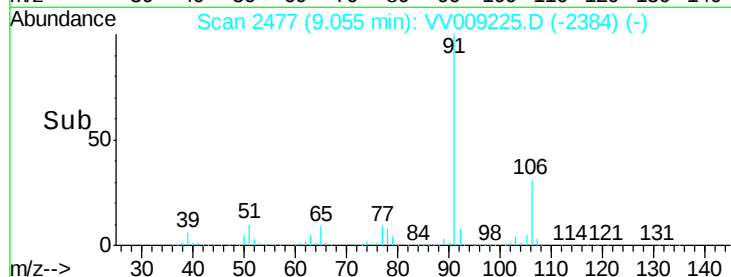
MMDadoda

1/21/2019 10:45:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VV009225.D (-2384) (-)

Ion 106.00 (105.70 to 106.70): VV009225.D (-2384) (-)



#68

m/p-Xylenes

Concen: 217.155 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009225.D

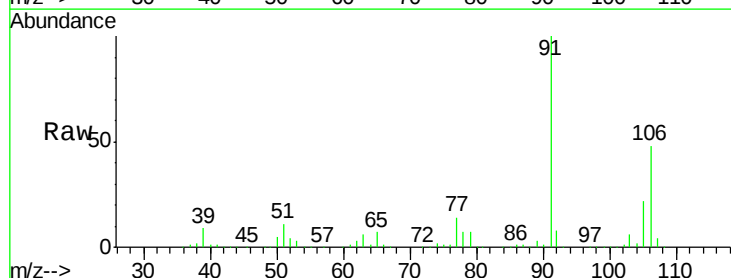
Acq: 18 Jan 2019 17:22

Tgt Ion: 106 Resp: 463306

Ion Ratio Lower Upper

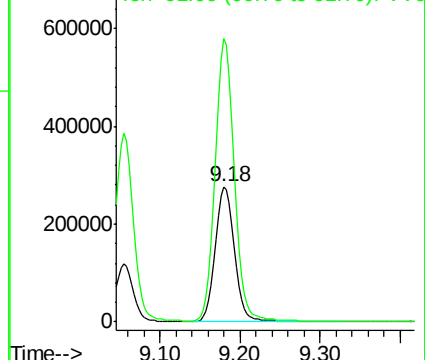
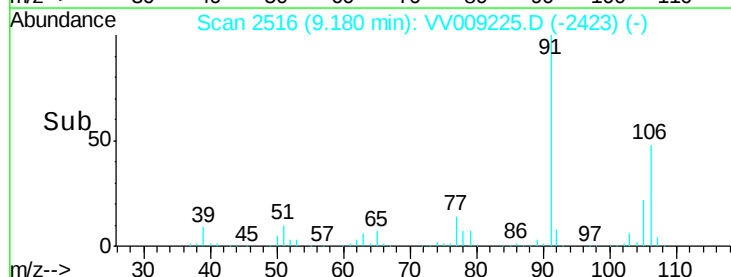
106 100

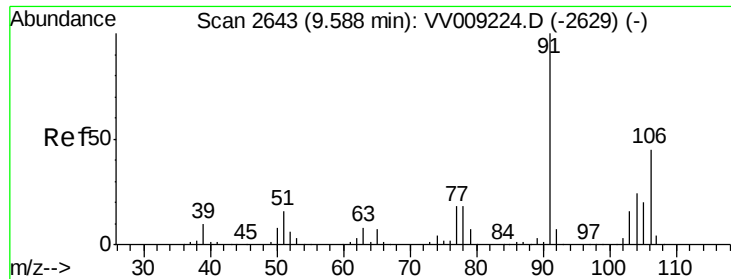
91 209.1 170.4 255.6



Abundance Ion 106.00 (105.70 to 106.70): VV009225.D (-2423) (-)

Ion 91.00 (90.70 to 91.70): VV009225.D (-2423) (-)





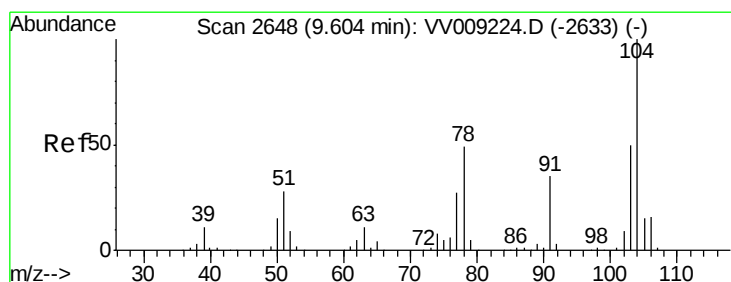
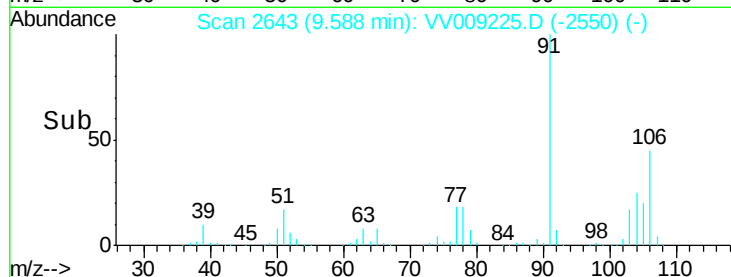
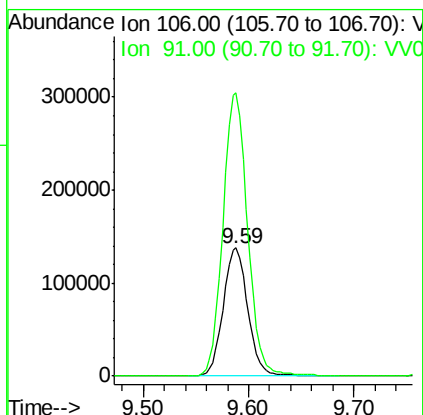
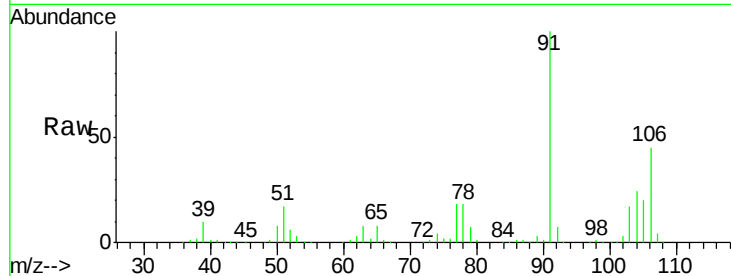
#69
o-Xylene
Concen: 108.842 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 222822
Ion Ratio Lower Upper
106 100
91 221.9 110.6 331.8

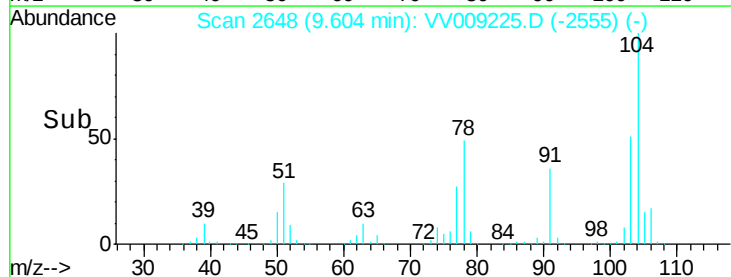
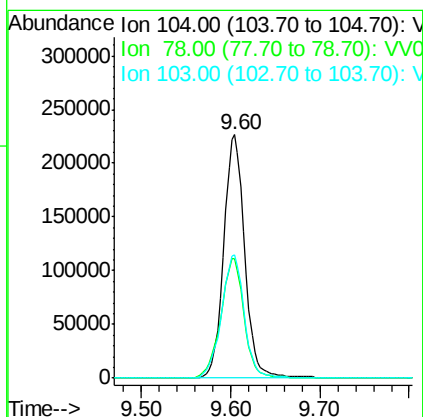
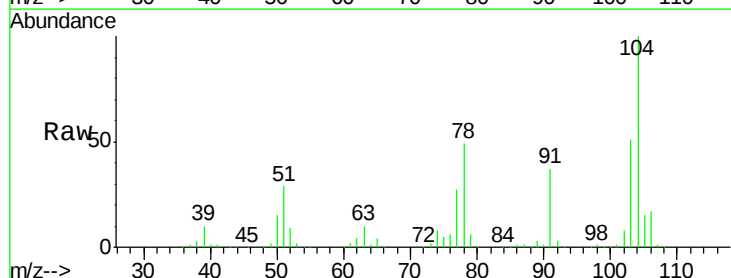
Manual Integrations
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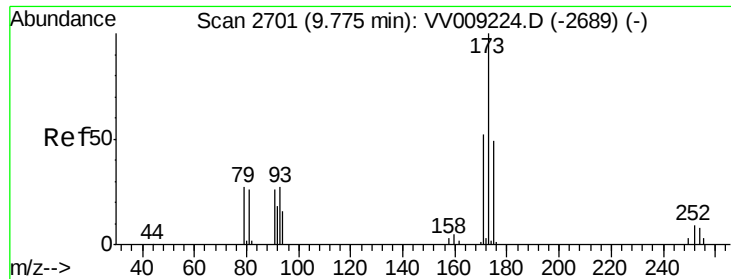
MMDadoda
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#70
Styrene
Concen: 110.063 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion:104 Resp: 369583
Ion Ratio Lower Upper
104 100
78 54.5 43.7 65.5
103 54.8 44.0 66.0





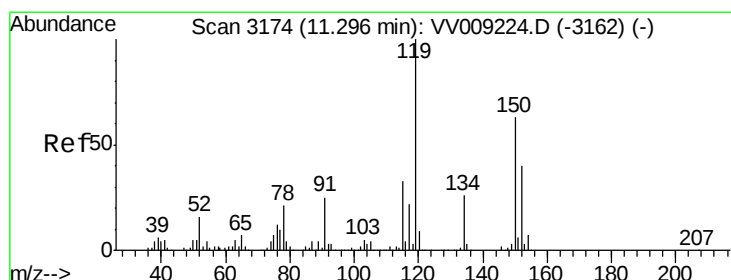
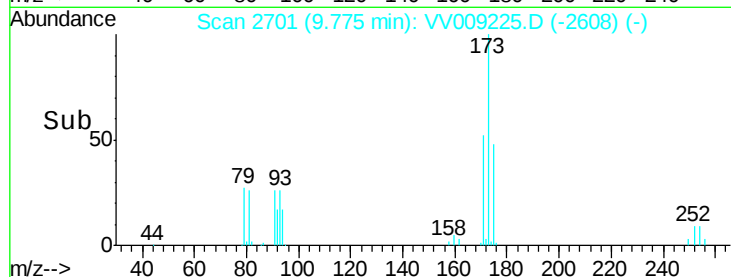
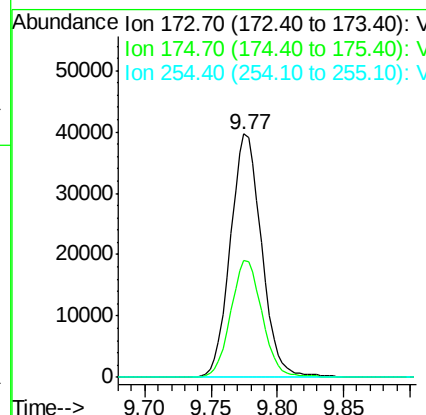
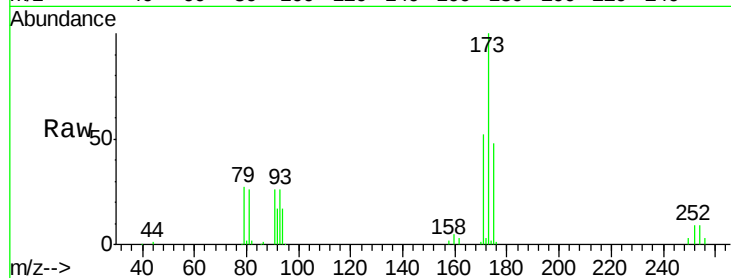
#71
Bromoform
Concen: 119.459 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0

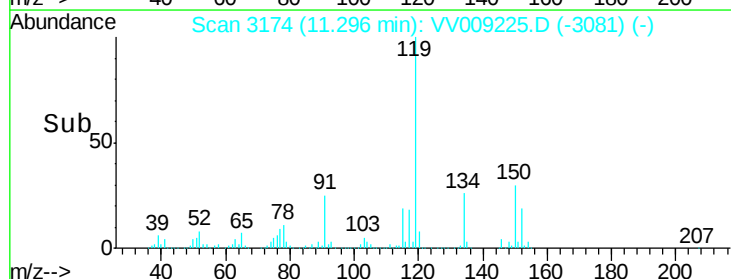
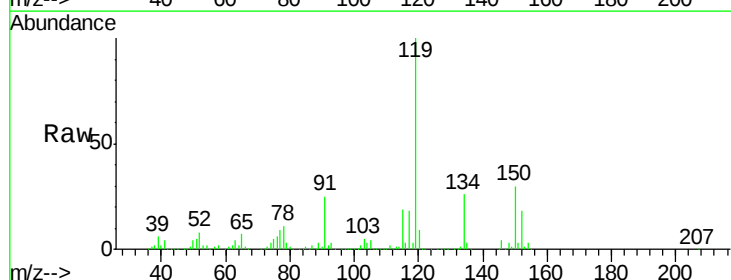
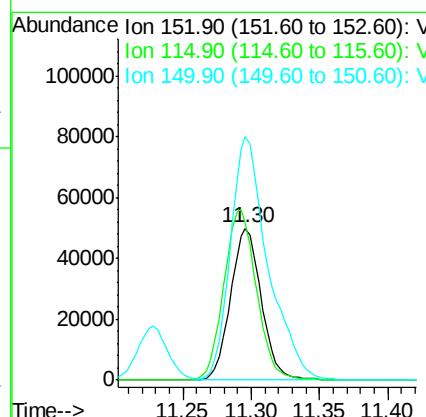
Manual Integrations
APPROVED

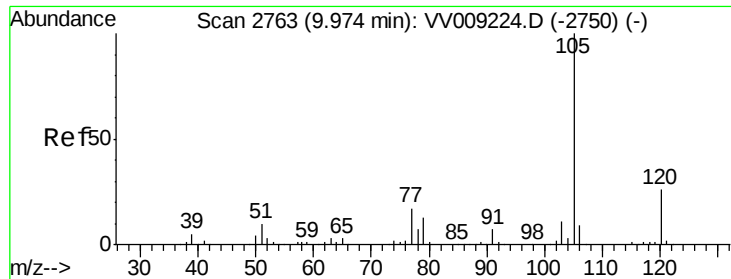
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	119.1	45.1	135.3
150	195.5	0.0	350.8





#73

Isopropylbenzene

Concen: 106.165 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 618097

Ion Ratio Lower Upper

105 100

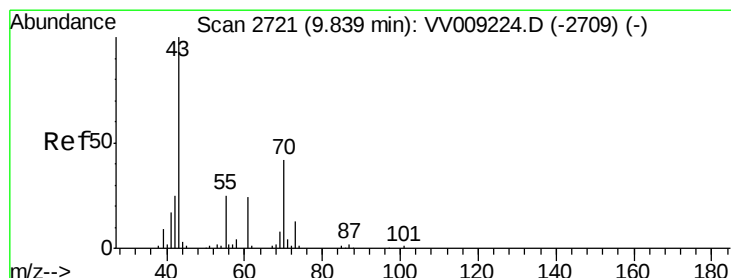
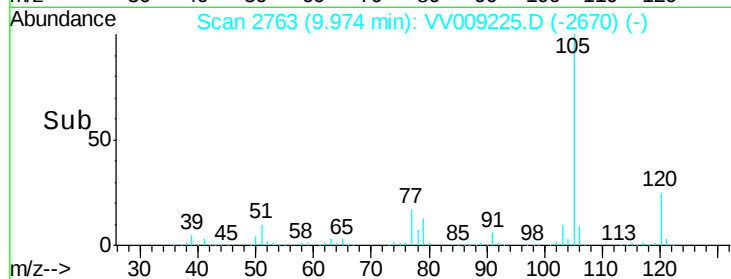
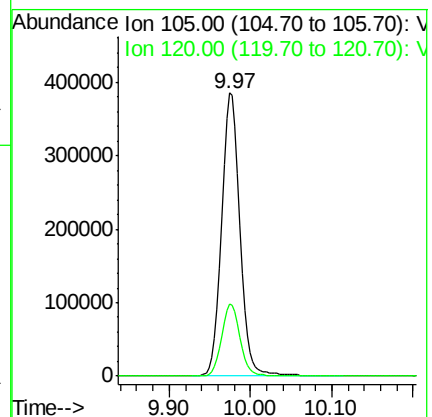
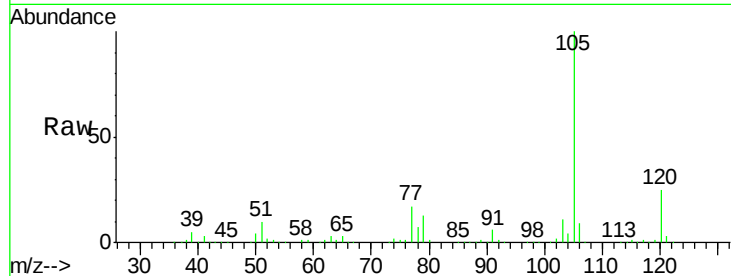
120 25.7 12.9 38.6

Manual Integrations

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MMDadoda

1/21/2019 10:45:35 AM



#74

N-ethyl acetate

Concen: 118.209 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion: 43 Resp: 146271

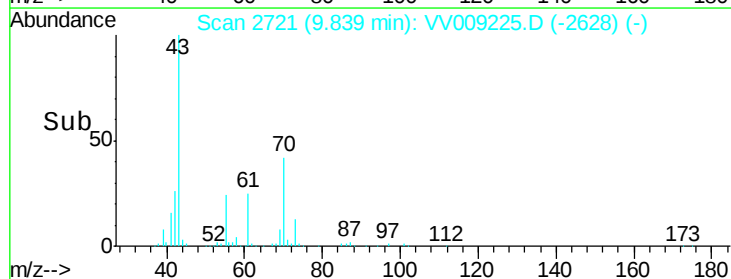
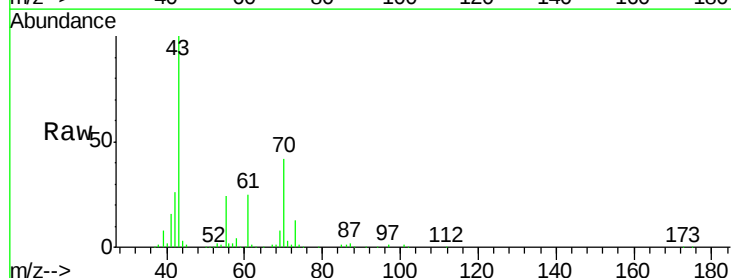
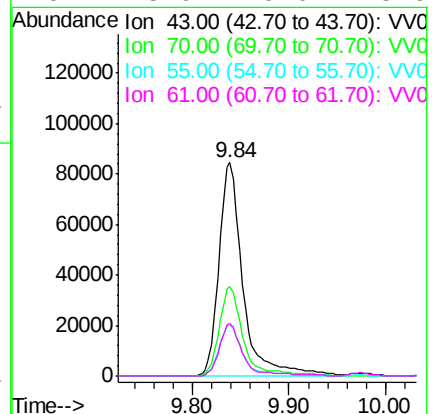
Ion Ratio Lower Upper

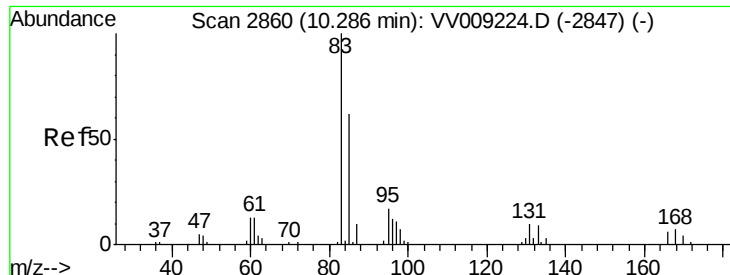
43 100

70 41.8 32.4 48.6

55 24.4 19.9 29.9

61 23.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 111.762 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

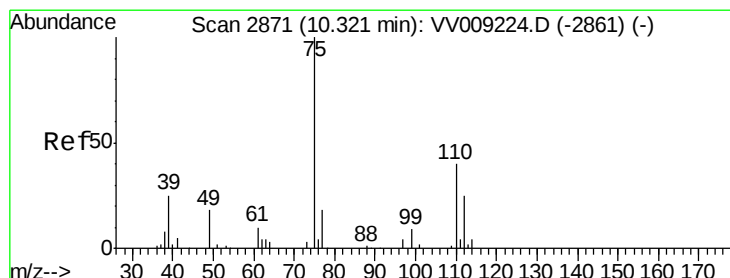
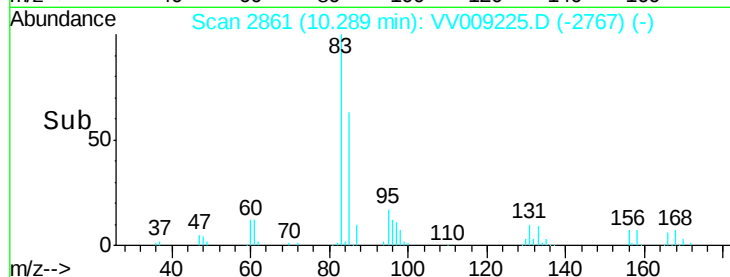
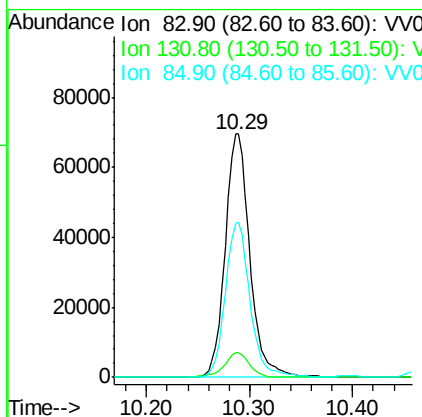
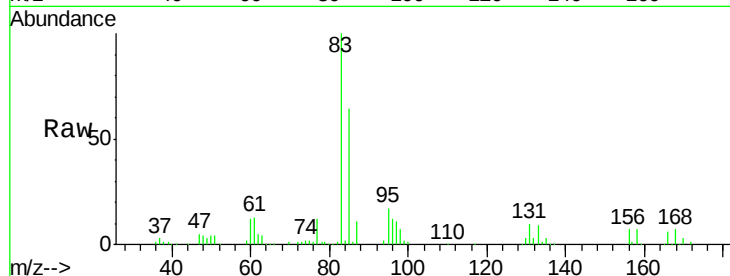
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	115806
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.1	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 113.078 ug/l m

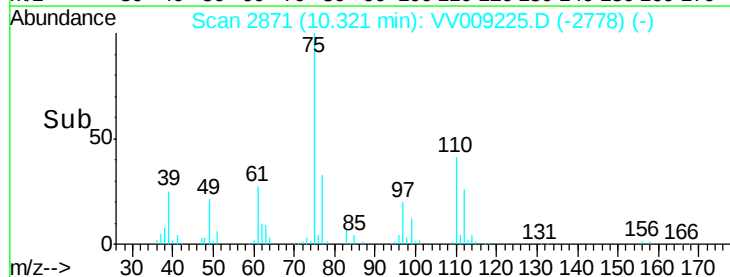
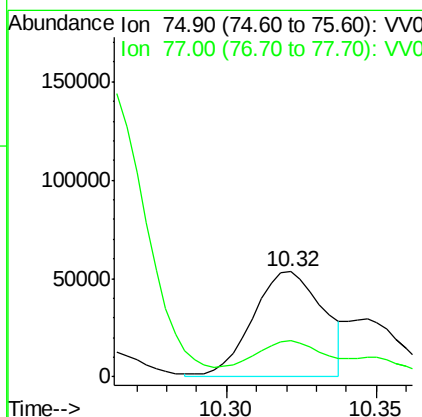
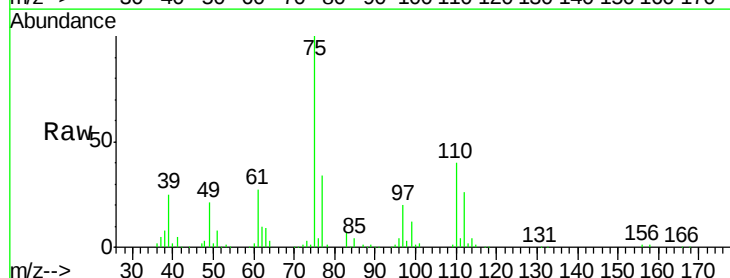
RT: 10.32 min Scan# 2871

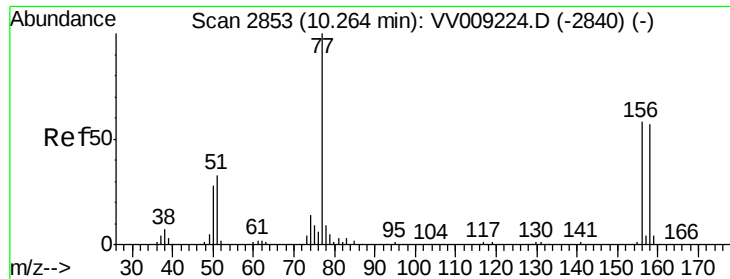
Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion:	75	Resp:	88413
Ion Ratio	Lower	Upper	
75	100		
77	12.7	24.1	72.3#





#77

Bromobenzene

Concen: 107.627 ug/l

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

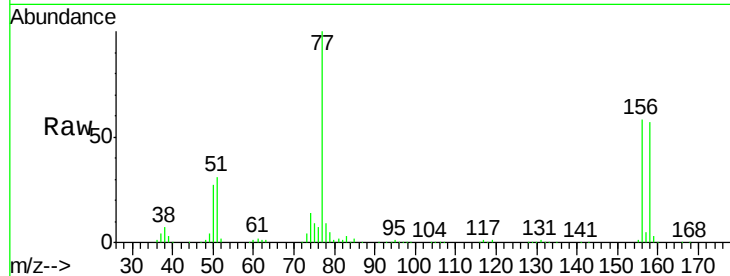
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	136830
Ion Ratio	Lower	Upper	
156	100		
77	175.0	86.6	259.7
158	96.8	48.8	146.3

Manual Integrations
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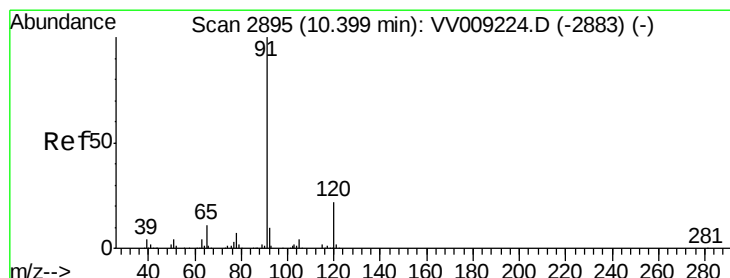
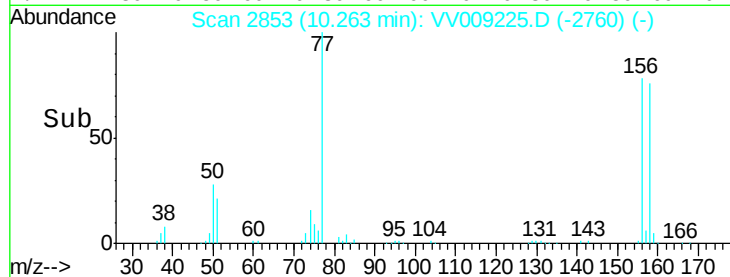
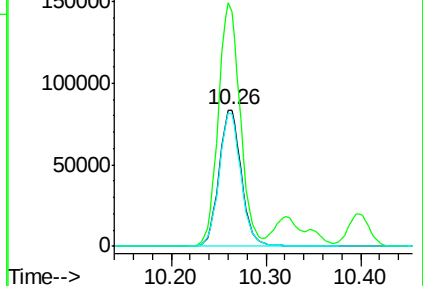
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 105.757 ug/l

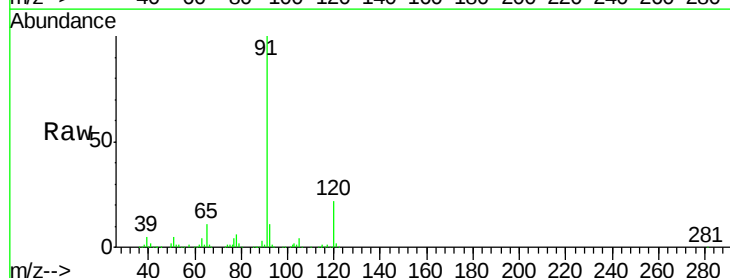
RT: 10.40 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VV009225.D

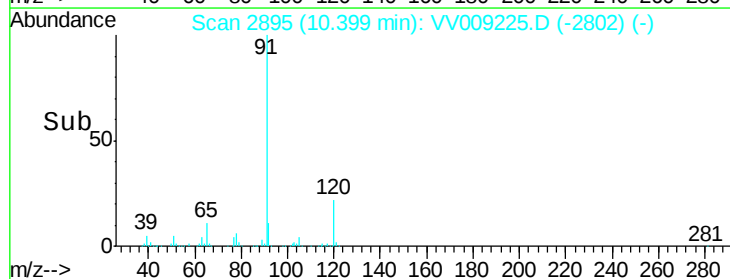
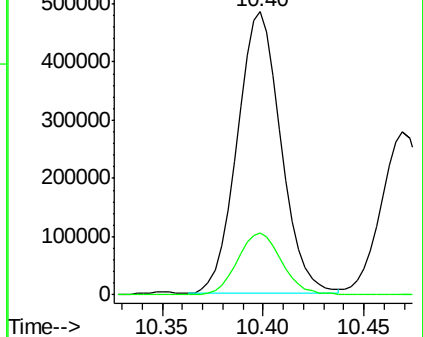
Acq: 18 Jan 2019 17:22

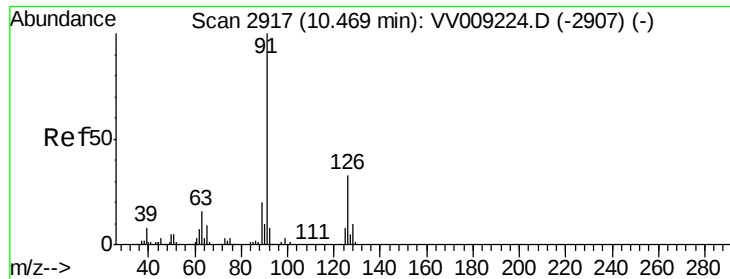
Tgt Ion:	91	Resp:	735366
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 106.479 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 441958

Ion Ratio Lower Upper

91 100

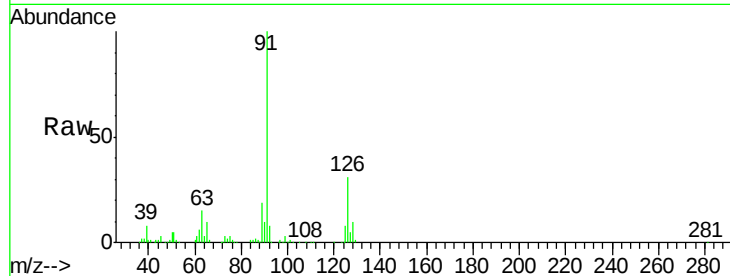
126 31.9 16.0 47.9

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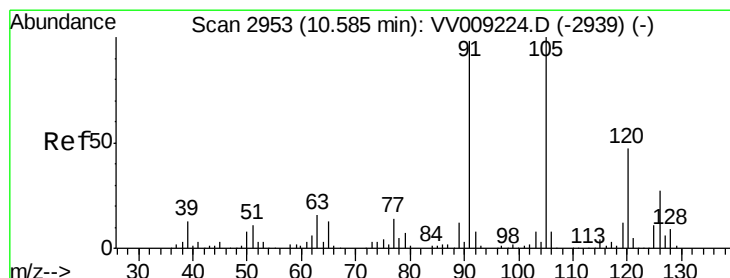
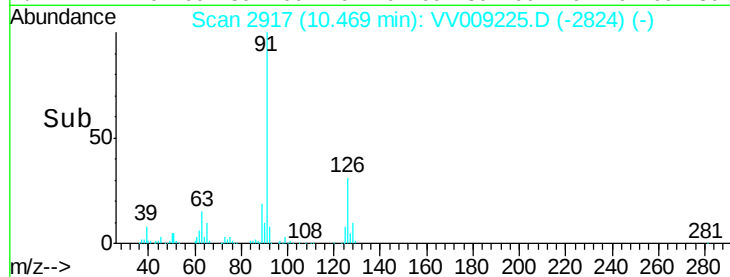
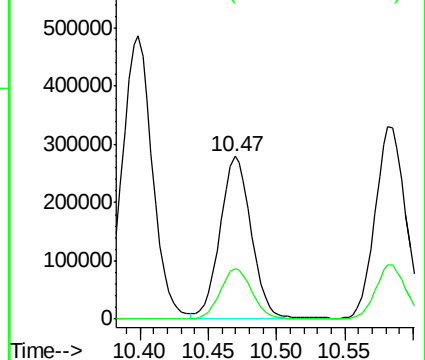
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Abundance Ion 91.00 (90.70 to 91.70): VV009225.D (-2824) (-)

Ion 125.90 (125.60 to 126.60): VV009225.D (-2824) (-)



#80

1,3,5-Trimethylbenzene

Concen: 105.740 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VV009225.D

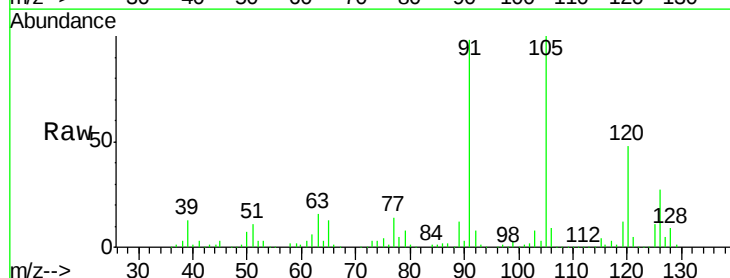
Acq: 18 Jan 2019 17:22

Tgt Ion: 105 Resp: 523686

Ion Ratio Lower Upper

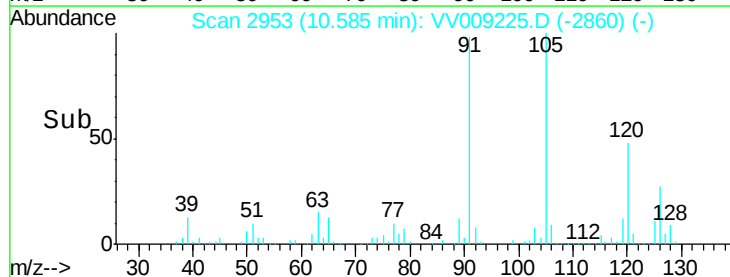
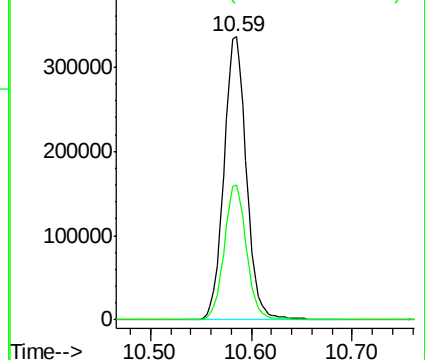
105 100

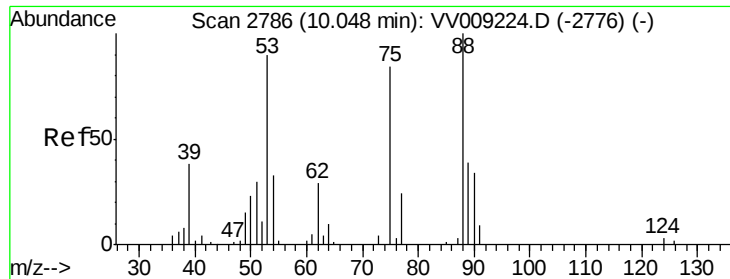
120 47.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VV009225.D (-2860) (-)

Ion 120.00 (119.70 to 120.70): VV009225.D (-2860) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 117.422 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

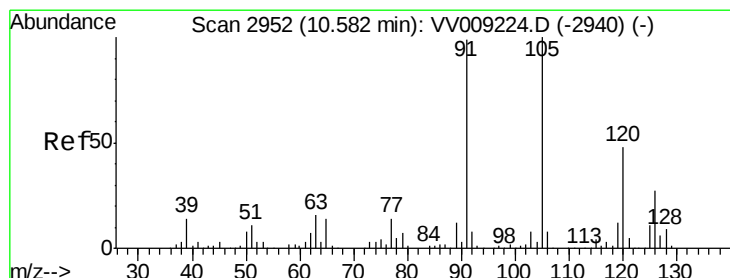
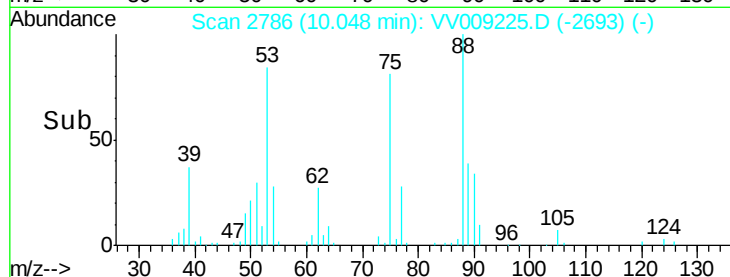
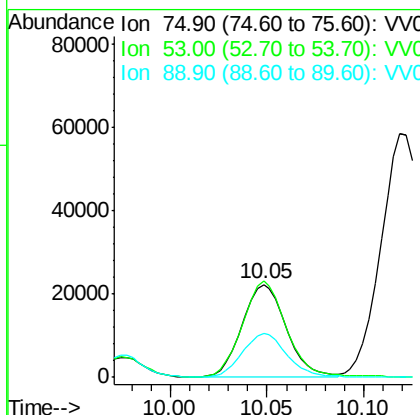
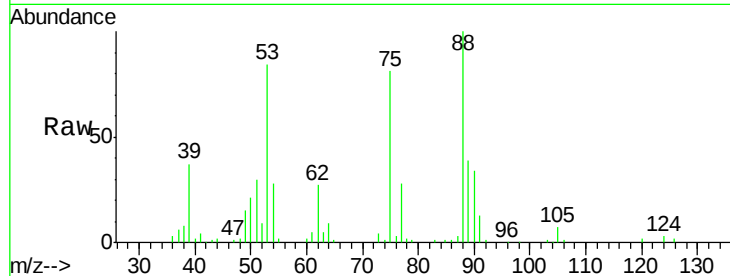
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	34934
Ion	Ratio	Lower	Upper
75	100		
53	103.5	85.5	128.3
89	49.0	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 104.752 ug/l

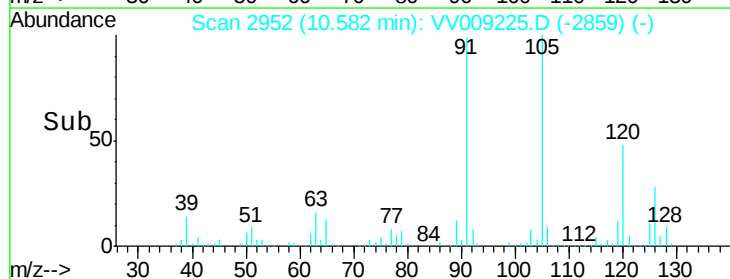
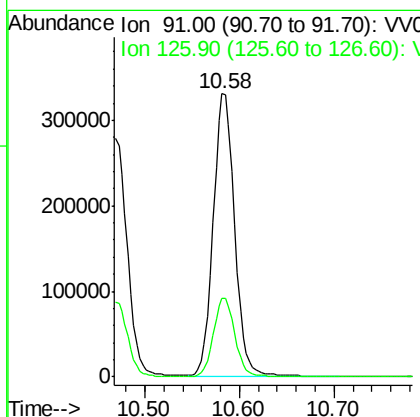
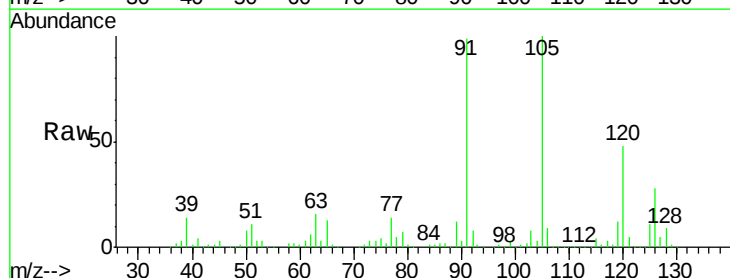
RT: 10.58 min Scan# 2952

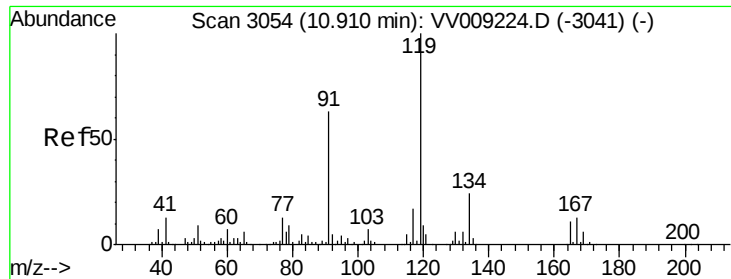
Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion:	91	Resp:	523649
Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.9	41.7





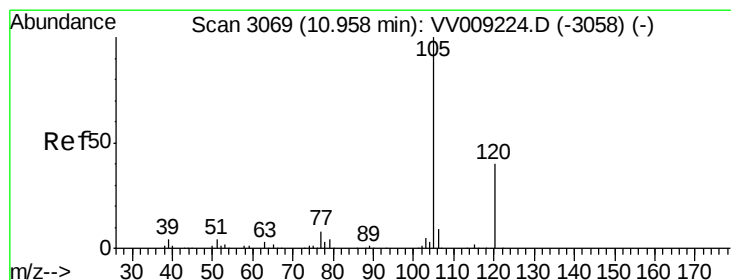
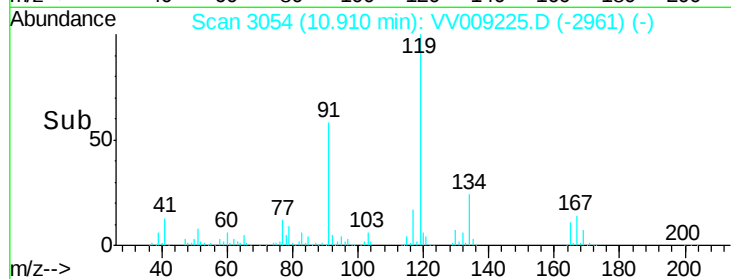
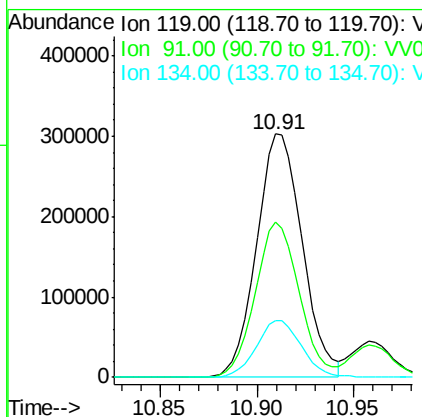
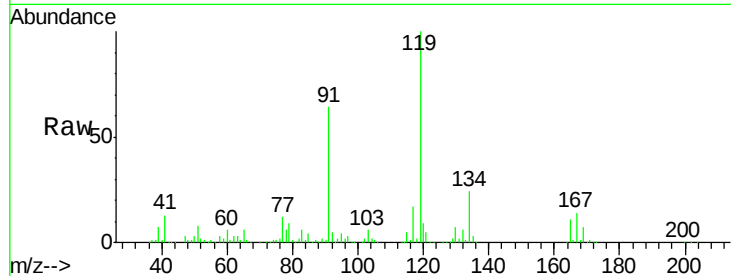
#83
tert-Butylbenzene
Concen: 105.960 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.5	91.5
134	23.3	11.8	35.4

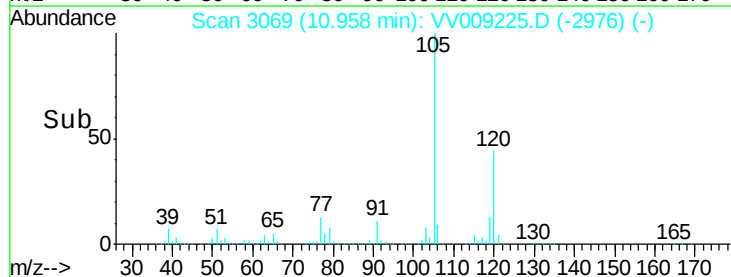
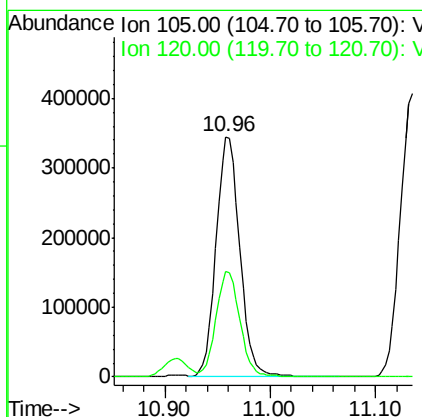
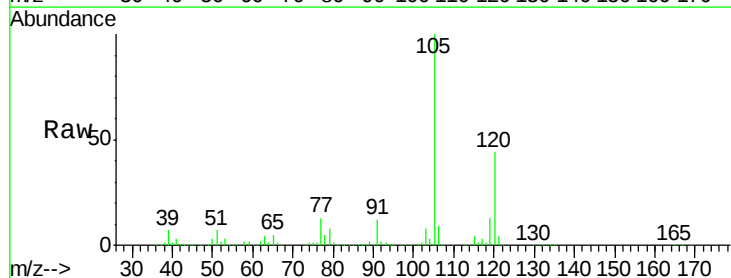
Manual Integrations
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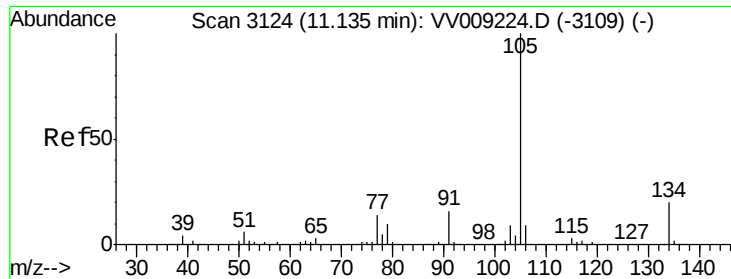
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#84
1,2,4-Trimethylbenzene
Concen: 106.412 ug/l
RT: 10.96 min Scan# 3069
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.2	66.6





#85

sec-Butylbenzene

Concen: 105.777 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 637890

Ion Ratio Lower Upper

105 100

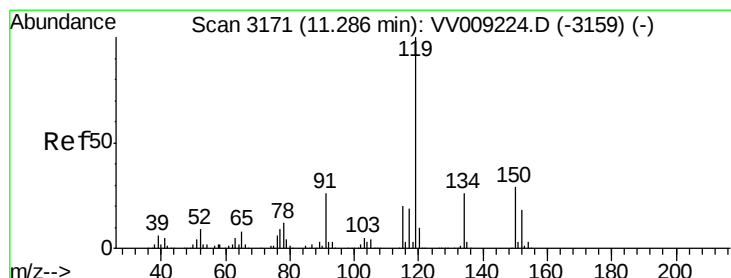
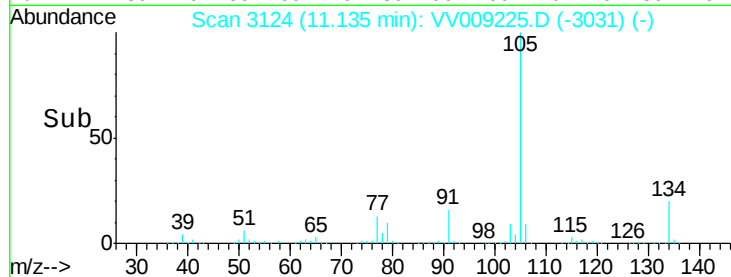
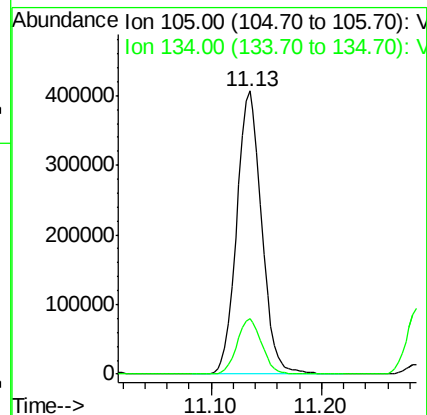
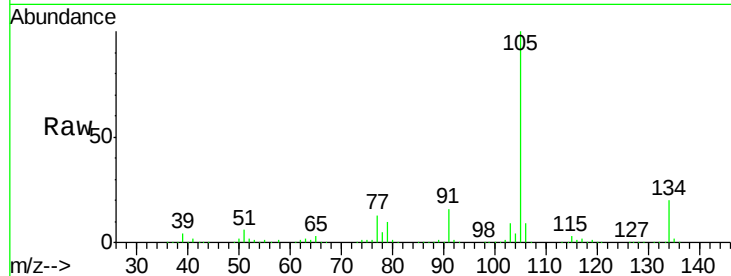
134 19.6 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 106.023 ug/l

RT: 11.29 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

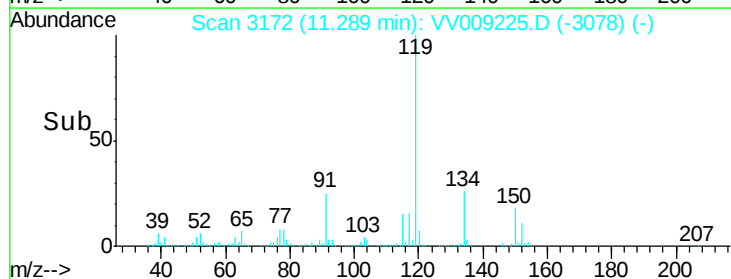
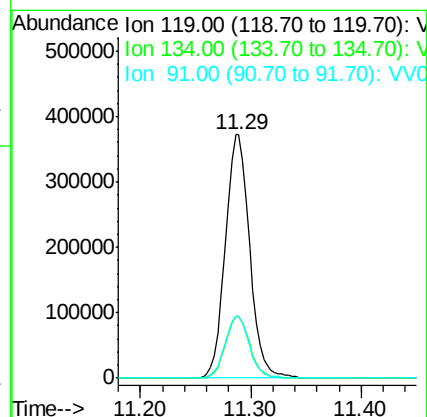
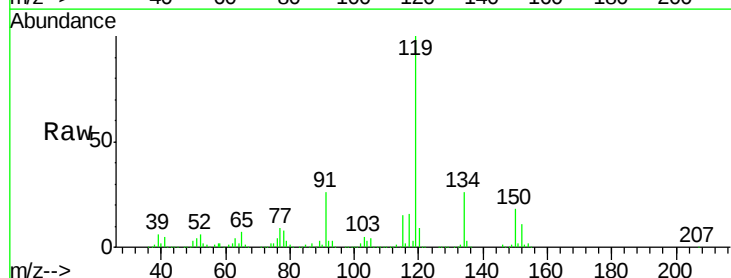
Tgt Ion:119 Resp: 568323

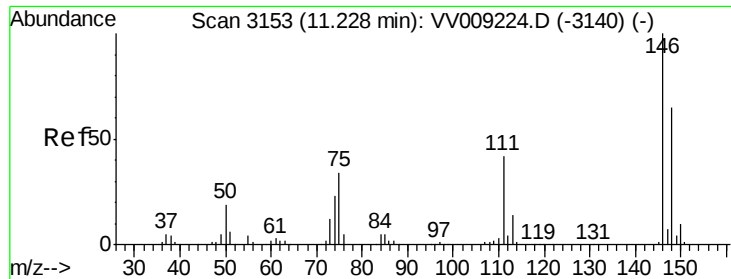
Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 25.5 12.9 38.7





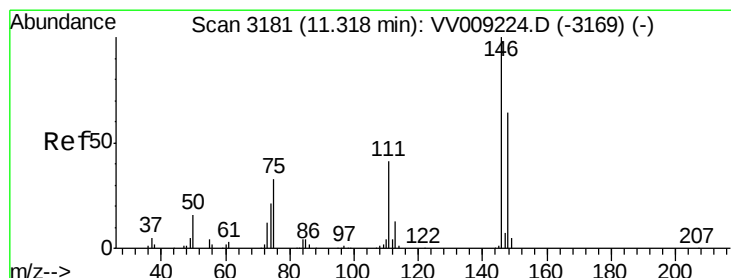
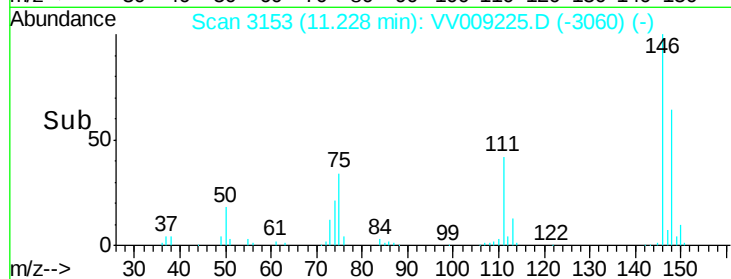
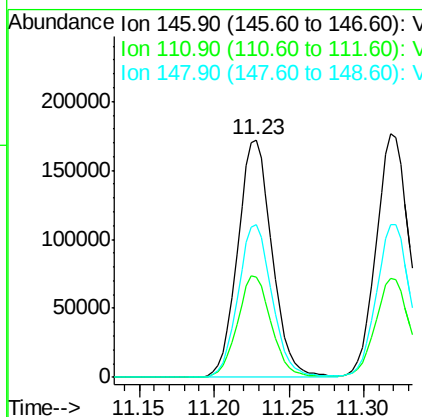
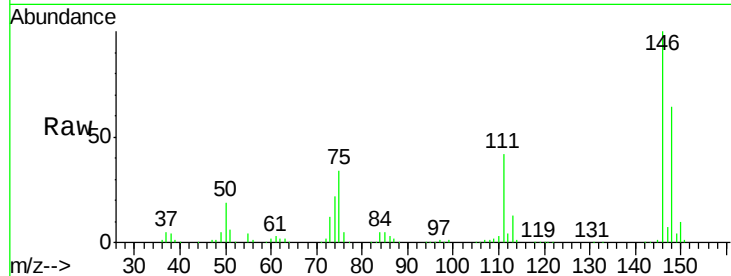
#87
 1,3-Dichlorobenzene
 Concen: 107.027 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.1
148	63.9	32.2	96.6

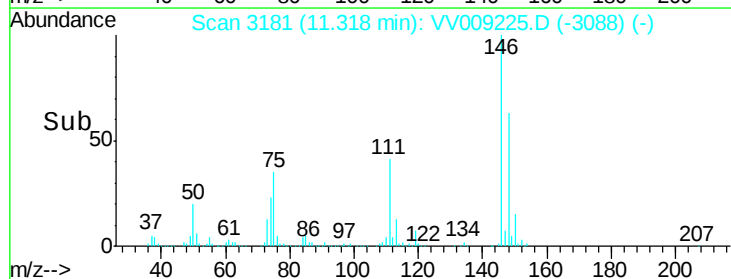
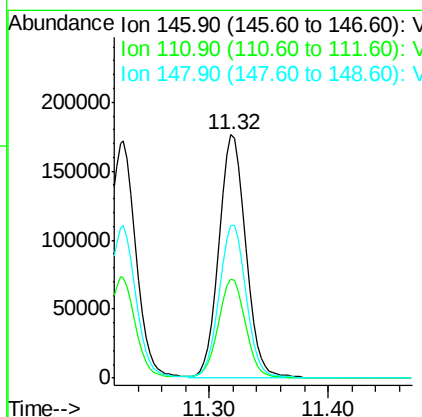
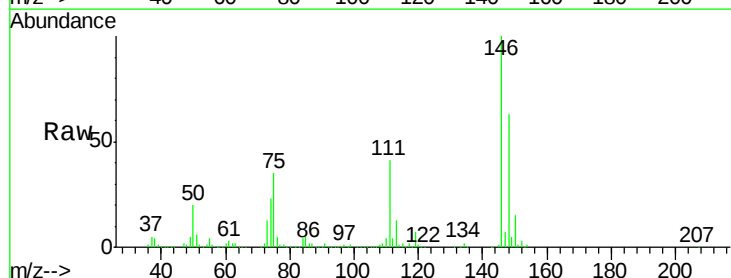
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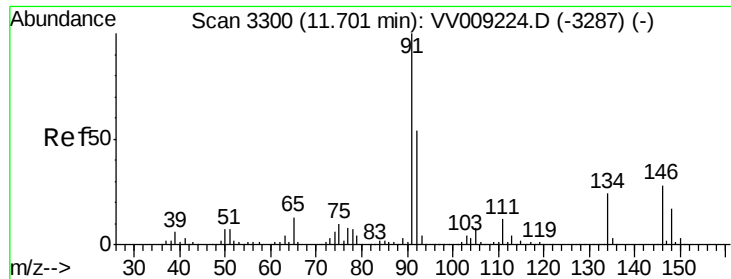
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#88
 1,4-Dichlorobenzene
 Concen: 107.087 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.0	63.0
148	63.5	31.8	95.3





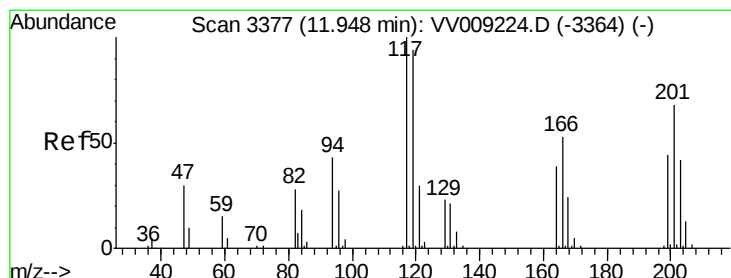
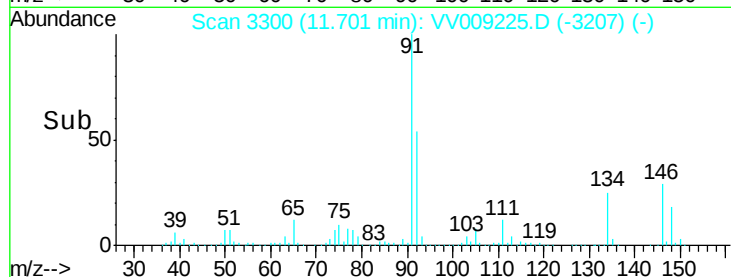
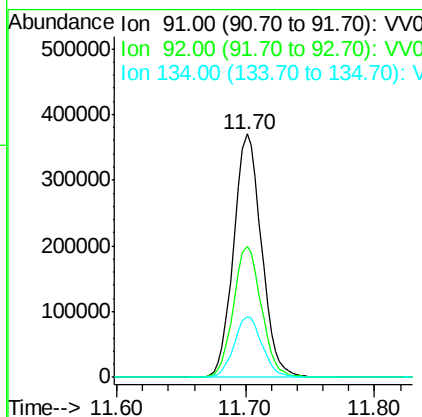
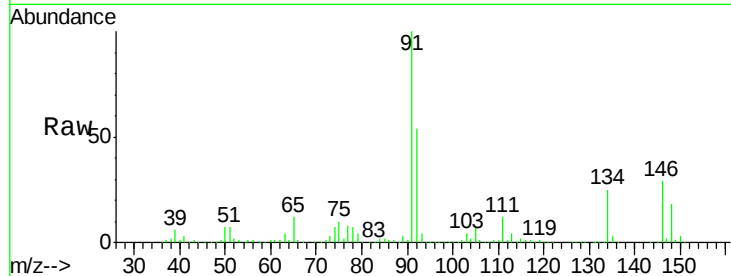
#89
n-Butylbenzene
Concen: 105.932 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	24.9	12.4	37.0

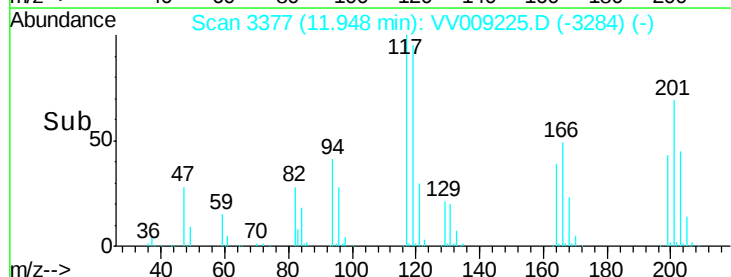
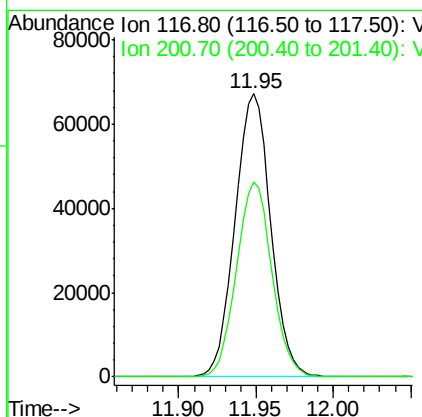
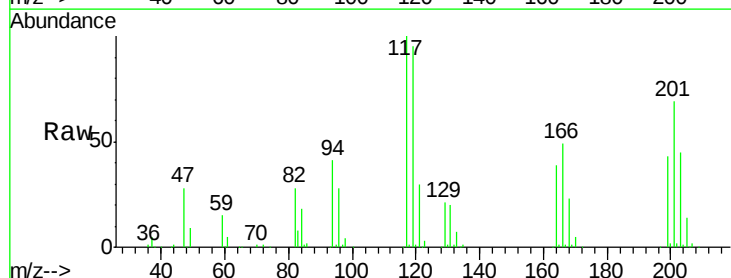
Manual Integrations
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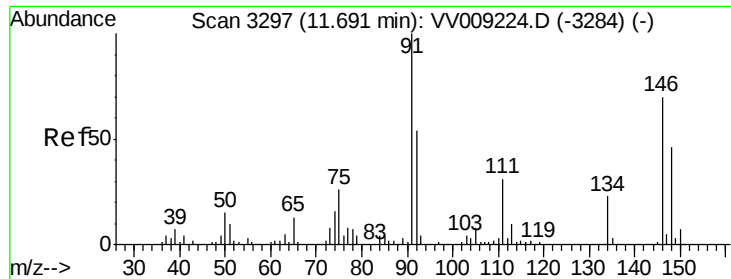
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#90
Hexachloroethane
Concen: 109.527 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.4	103.2





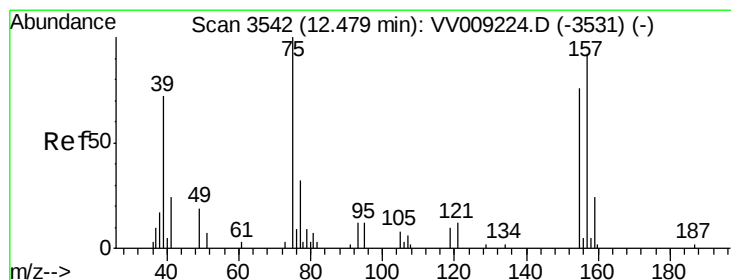
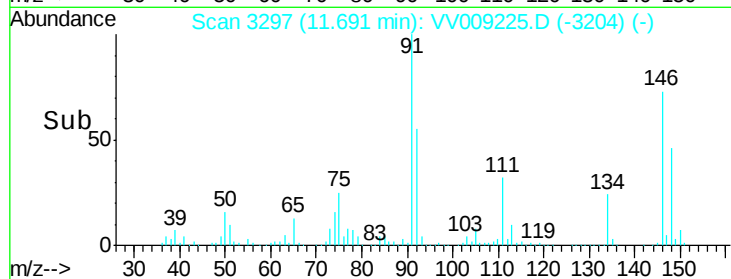
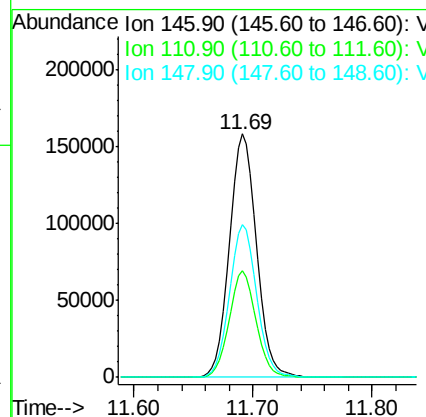
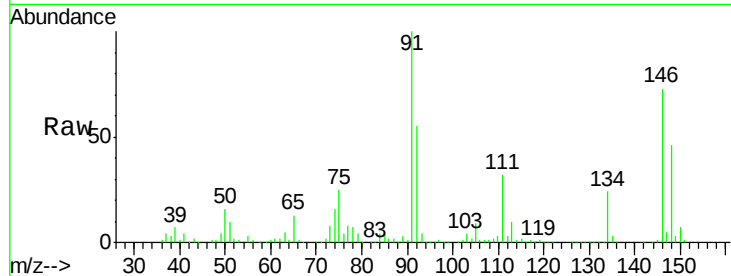
#91
 1,2-Dichlorobenzene
 Concen: 108.004 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.7
148	63.1	31.8	95.3

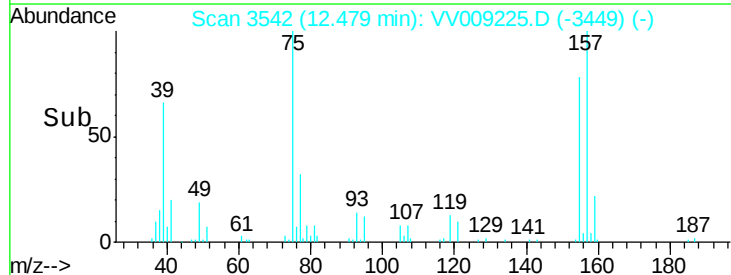
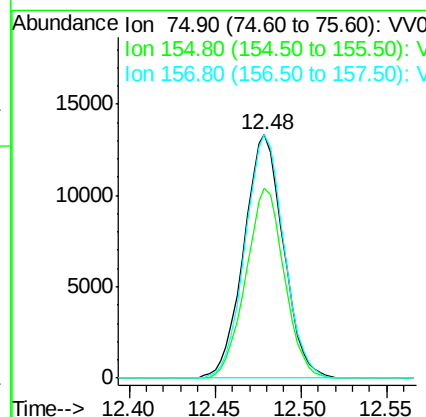
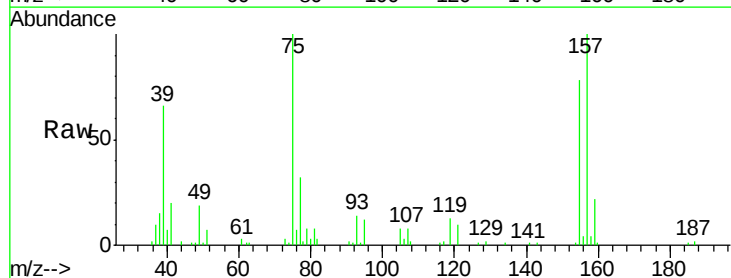
Manual Integrations
 APPROVED

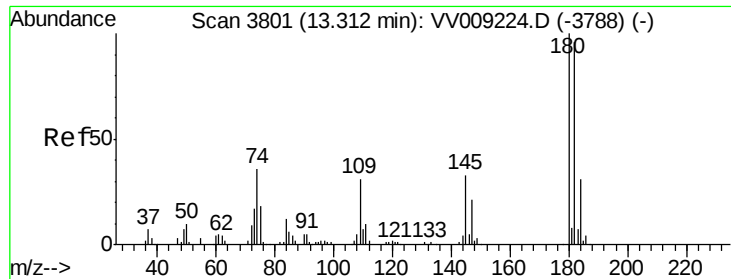
MMDadoda
 1/21/2019 10:45:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 116.925 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	36.4	109.1
157	98.4	44.9	134.5





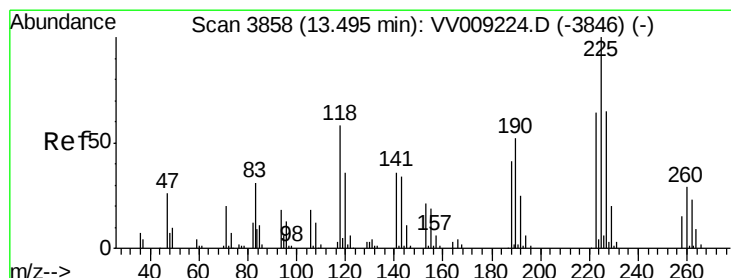
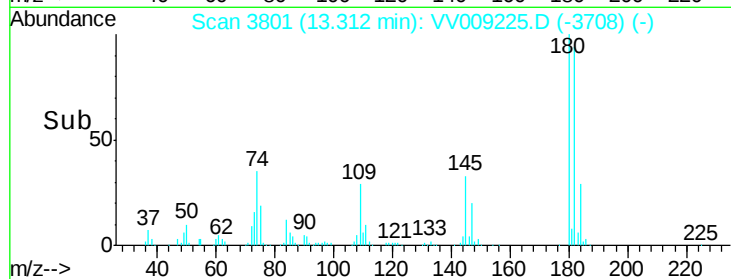
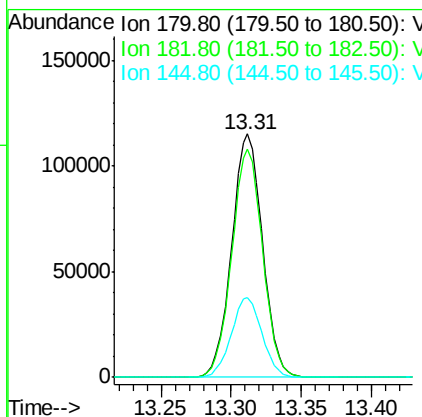
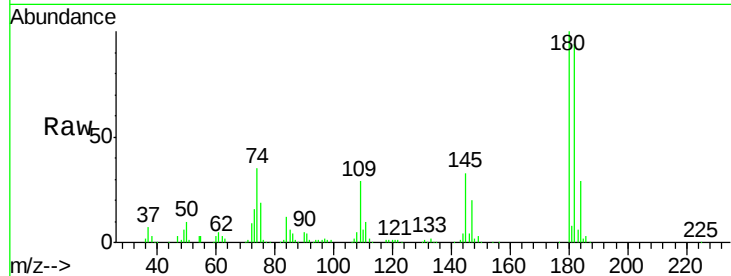
#93
 1,2,4-Trichlorobenzene
 Concen: 114.441 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	176062
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.8	143.3
145	32.8	16.7	50.0

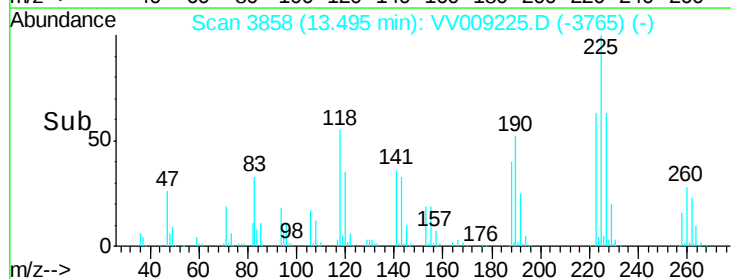
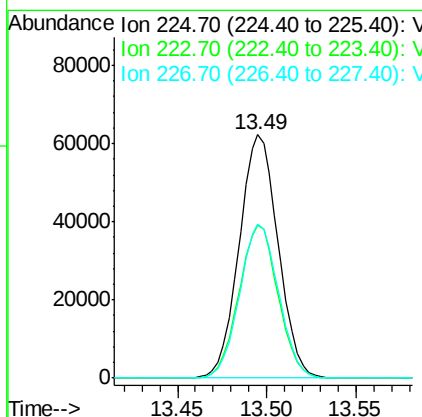
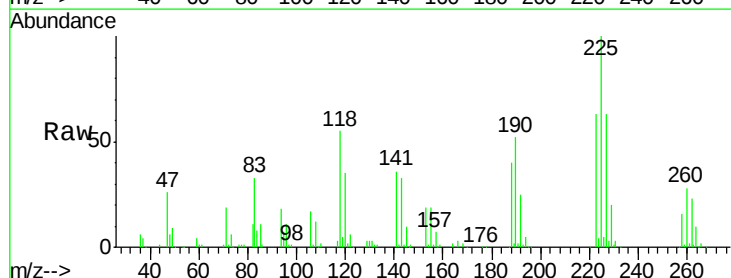
Manual Integrations
 APPROVED

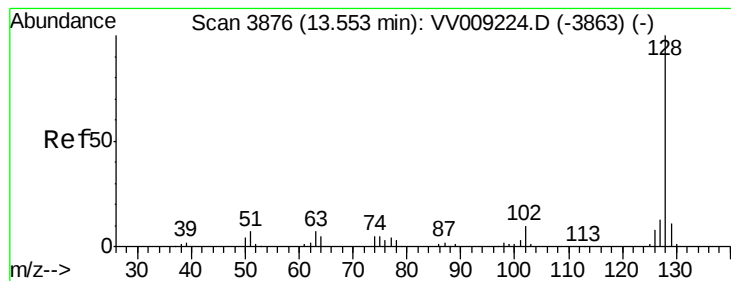
MMDadoda
 1/21/2019 10:45:35 AM



#94
 Hexachlorobutadiene
 Concen: 107.565 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion:	225	Resp:	94740
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.5	94.5
227	63.5	32.1	96.3





#95

Naphthalene

Concen: 121.017 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

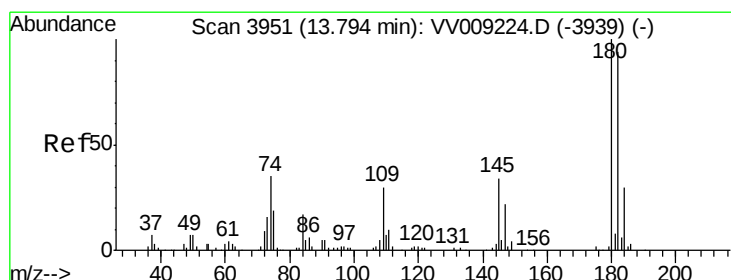
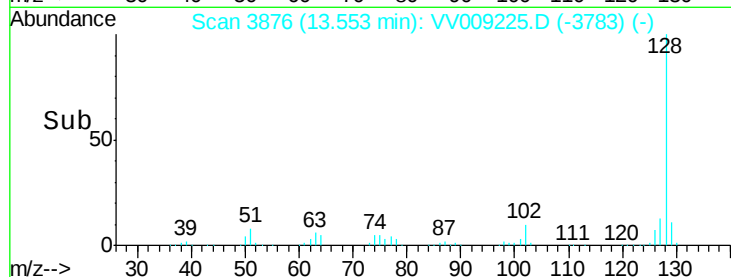
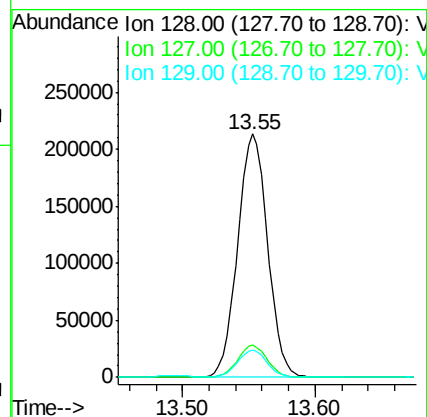
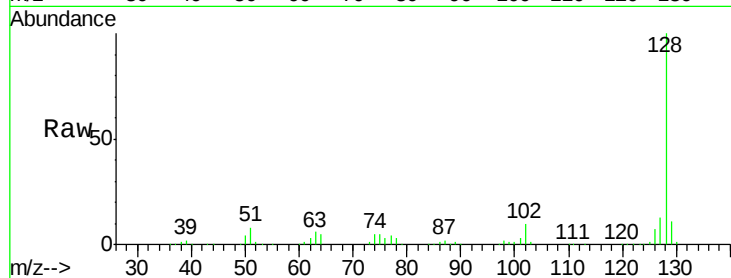
ClientSampleId :

VSTDICC100

Tot Ion:	128	Resp:	335402
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:45:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 112.537 ug/l

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion:	180	Resp:	152617
Ion Ratio	Lower	Upper	
180	100		
182	94.6	46.7	140.1
145	34.9	17.0	51.0

