

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
 Data File : VV019349.D
 Acq On : 12 Nov 2020 12:57
 Operator : SY/MD
 Sample : VSTD20061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

Quant Time: Nov 12 13:17:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 12:30:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	215570	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	212561	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	131660	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	326467	192.74	ug/L	0.00
7) Chloroethane-d5	1.58	69	265757	199.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	678484	206.89	ug/L	0.00
21) 2-Butanone-d5	3.90	46	360740	357.94	ug/L	-0.01
24) Chloroform-d	4.37	84	631171	198.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	432014	194.85	ug/L	0.00
32) Benzene-d6	5.07	84	1122516	188.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	315006	179.52	ug/L	0.00
41) Toluene-d8	7.34	98	1107365	193.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	211258	206.04	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	285008	383.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	447652	188.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	512243	188.39	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	367771	195.321	ug/L	98
3) Chloromethane	1.25	50	337249	195.120	ug/L	99
5) Vinyl chloride	1.32	62	362210	204.450	ug/L	98
6) Bromomethane	1.53	94	255137	210.926	ug/L	98
8) Chloroethane	1.60	64	231691	208.667	ug/L	99
9) Trichlorofluoromethane	1.76	101	644424	214.669	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	296406	207.166	ug/L	99
12) 1,1-Dichloroethene	2.13	96	301376	213.630	ug/L	97
13) Acetone	2.19	43	277069	294.369	ug/L	99
14) Carbon disulfide	2.31	76	848399	194.203	ug/L	100
15) Methyl Acetate	2.44	43	262418	172.565	ug/L	99
16) Methylene chloride	2.52	84	297150	188.766	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	296373	199.326	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	986007	198.525	ug/L	100
19) 1,1-Dichloroethane	3.21	63	507644	185.755	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	322781	198.602	ug/L	98
22) 2-Butanone	3.99	43	363887	357.107	ug/L	94
23) Bromochloromethane	4.27	128	182568	205.578	ug/L	97
25) Chloroform	4.40	83	581597	193.620	ug/L	98
27) 1,2-Dichloroethane	5.15	62	508343	197.836	ug/L	99
29) Cyclohexane	4.70	56	405343	177.610	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	577889	199.814	ug/L	100
31) Carbon tetrachloride	4.85	117	524297	203.507	ug/L	100
33) Benzene	5.12	78	1141291	187.957	ug/L	100
34) Trichloroethene	5.94	95	325937	193.523	ug/L	97
35) Methylcyclohexane	6.15	83	428156	193.005	ug/L	99
37) 1,2-Dichloropropane	6.20	63	275613	184.102	ug/L	100
38) Bromodichloromethane	6.53	83	455730	200.696	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	512806	205.172	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	738455	364.270	ug/L	99

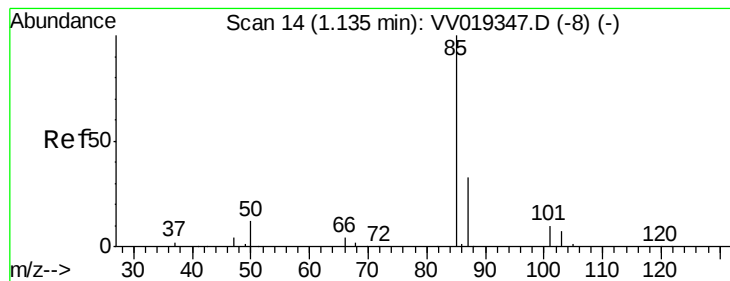
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 12:30:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1309199	196.582	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	548338	209.723	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	300227	195.903	ug/L	99
46) Tetrachloroethene	8.00	164	295664	204.347	ug/L	98
48) 2-Hexanone	8.16	43	577140	356.256	ug/L	98
49) Dibromochloromethane	8.27	129	402327	214.662	ug/L	98
50) 1,2-Dibromoethane	8.37	107	329978	201.402	ug/L	96
51) Chlorobenzene	8.90	112	876934	199.105	ug/L	99
52) Ethylbenzene	9.03	91	1477548	200.415	ug/L	100
53) m,p-Xylene	9.16	106	574645	206.501	ug/L	99
54) o-xylene	9.56	106	559875	208.466	ug/L	98
55) Styrene	9.58	104	1007591	212.082	ug/L	99
56) Isopropylbenzene	9.95	105	1509443	209.779	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	436796	190.898	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	376156	189.832	ug/L	98
61) Bromoform	9.75	173	331768	204.222	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	782283	190.360	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	804895	188.903	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	782333	191.364	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	126835	185.199	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	599837	197.482	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	586289	207.173	ug/L	100
69) Naphthalene	13.52	128	1530845	199.782	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	576767	206.888	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 195.321 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

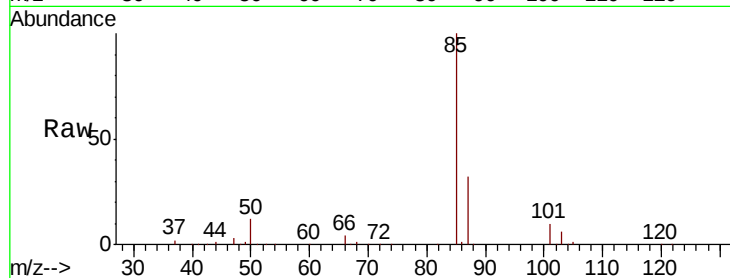
VSTD20061

Tot Ion: 85 Resp: 367771

Ion Ratio Lower Upper

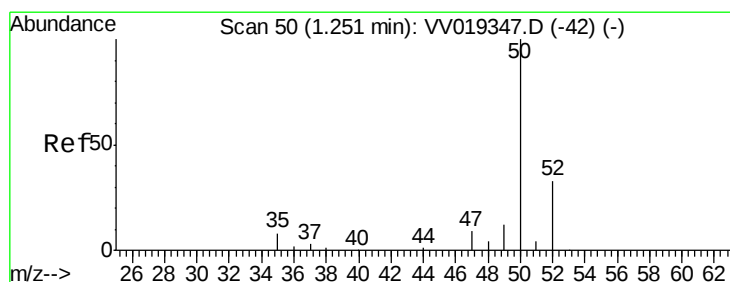
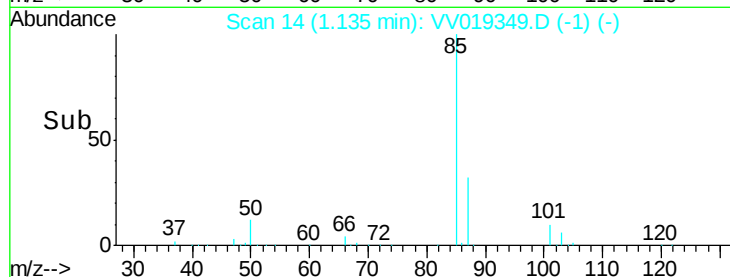
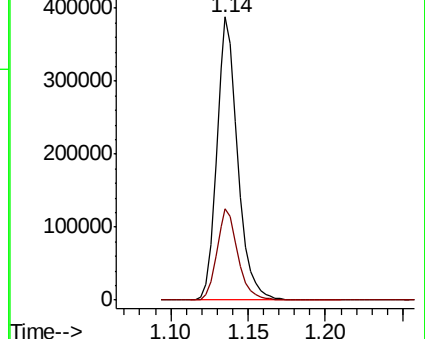
85 100

87 32.3 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 195.120 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019349.D

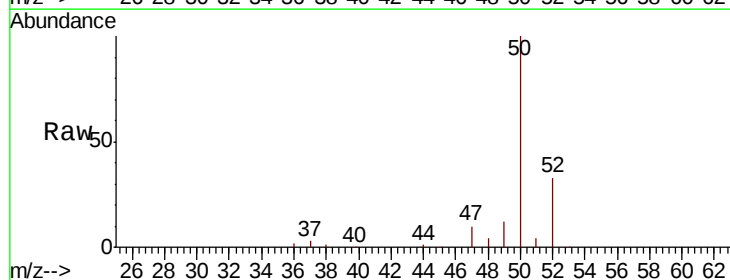
Acq: 12 Nov 2020 12:57

Tgt Ion: 50 Resp: 337249

Ion Ratio Lower Upper

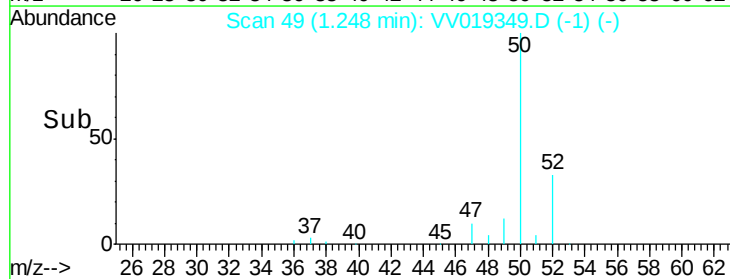
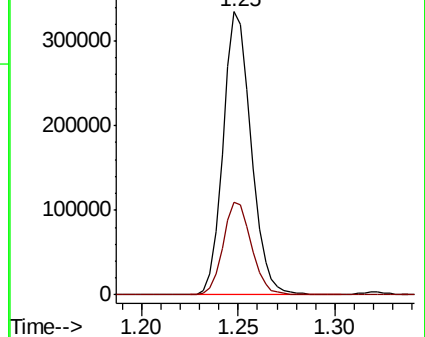
50 100

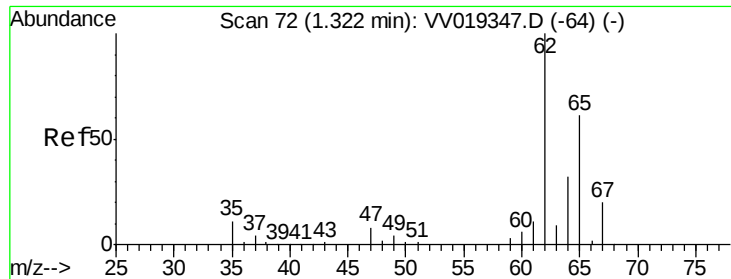
52 32.8 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 204.450 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

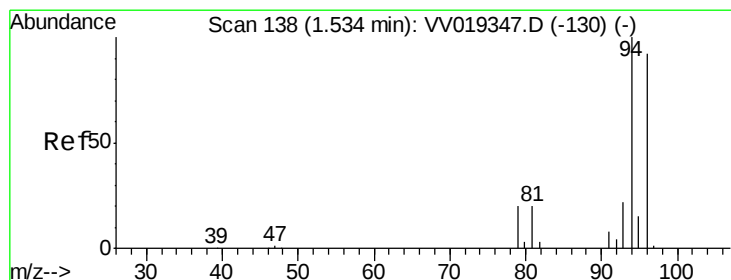
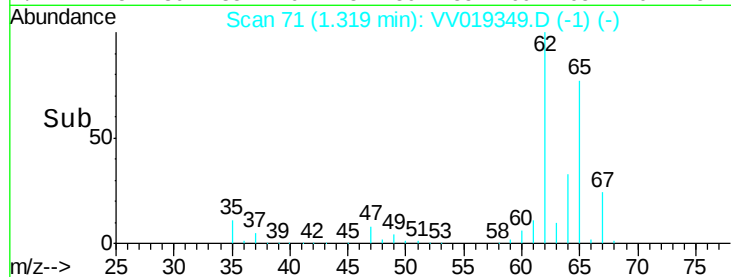
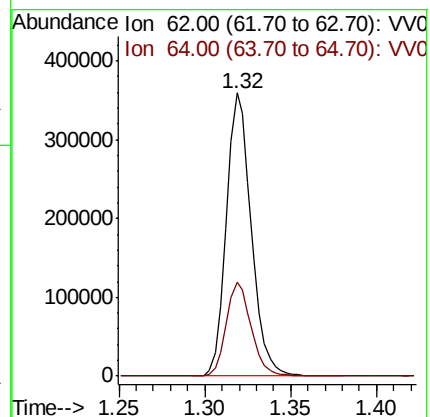
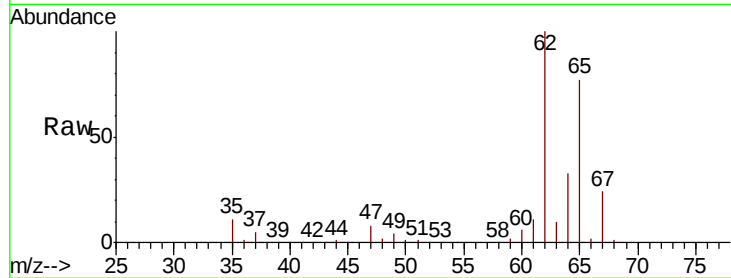
VSTD20061

Tot Ion: 62 Resp: 362210

Ion Ratio Lower Upper

62 100

64 33.2 22.3 41.5



#6

Bromomethane

Concen: 210.926 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019349.D

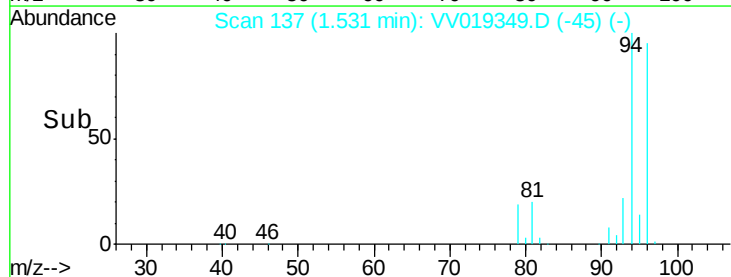
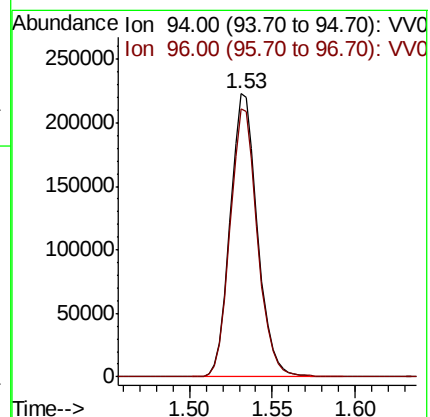
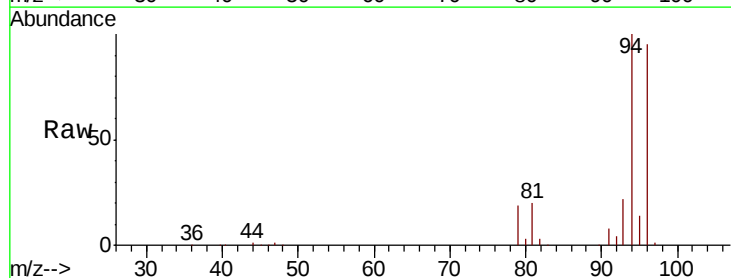
Acq: 12 Nov 2020 12:57

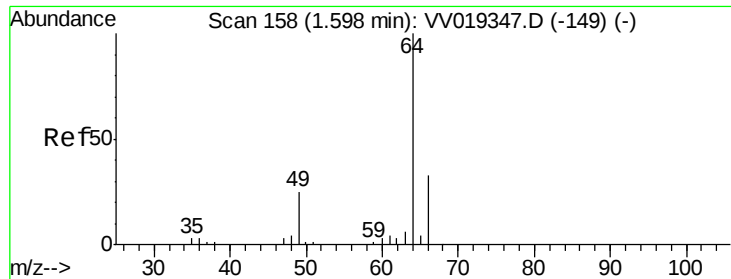
Tgt Ion: 94 Resp: 255137

Ion Ratio Lower Upper

94 100

96 94.5 64.7 120.1





#8

Chloroethane

Concen: 208.667 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

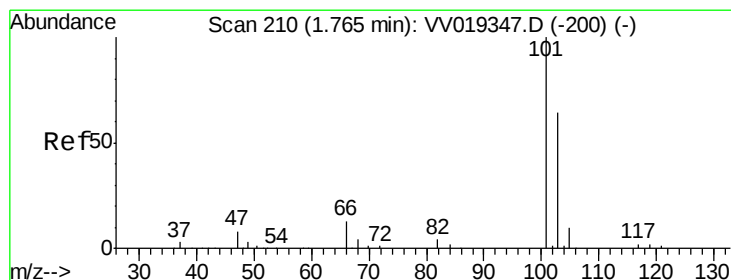
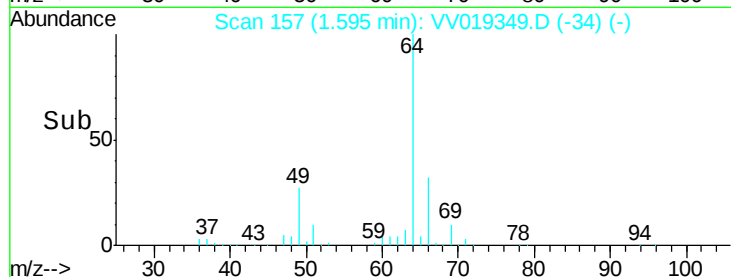
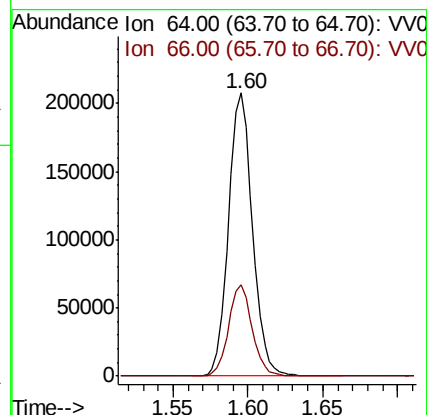
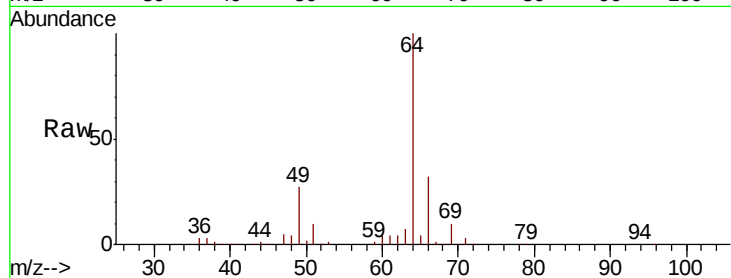
VSTD20061

Tot Ion: 64 Resp: 231691

Ion Ratio Lower Upper

64 100

66 32.1 22.9 42.5



#9

Trichlorofluoromethane

Concen: 214.669 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019349.D

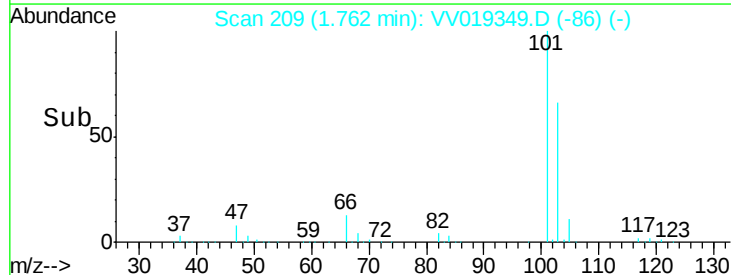
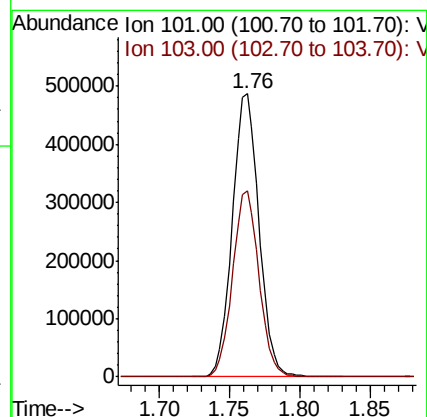
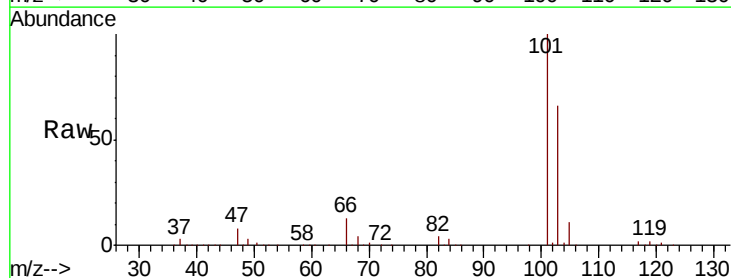
Acq: 12 Nov 2020 12:57

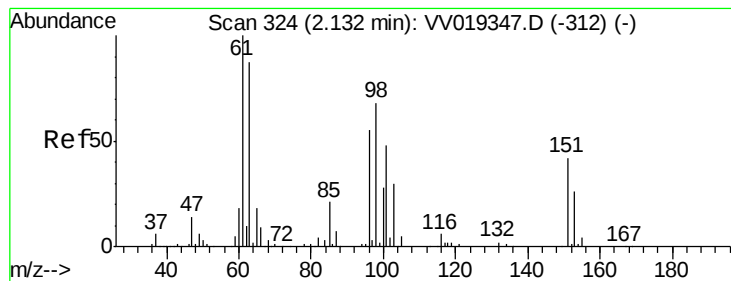
Tgt Ion: 101 Resp: 644424

Ion Ratio Lower Upper

101 100

103 65.2 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 207.166 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

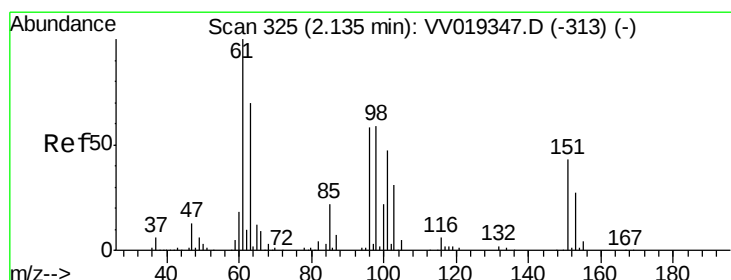
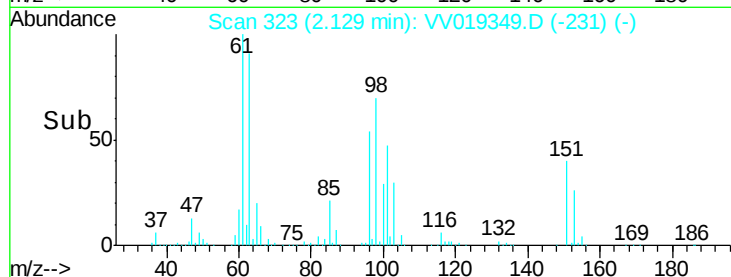
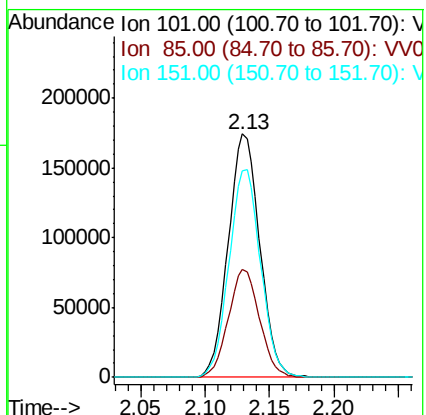
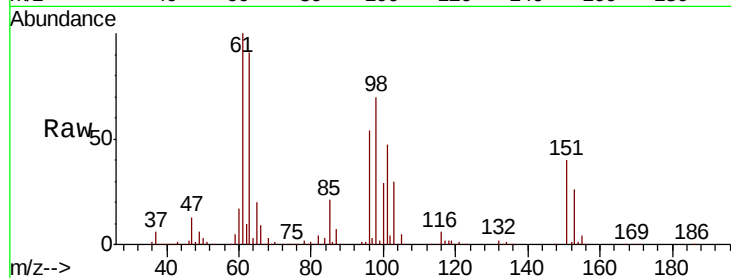
Tot Ion:101 Resp: 296406

Ion Ratio Lower Upper

101 100

85 44.0 35.8 53.6

151 85.6 69.2 103.8



#12

1,1-Dichloroethene

Concen: 213.630 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

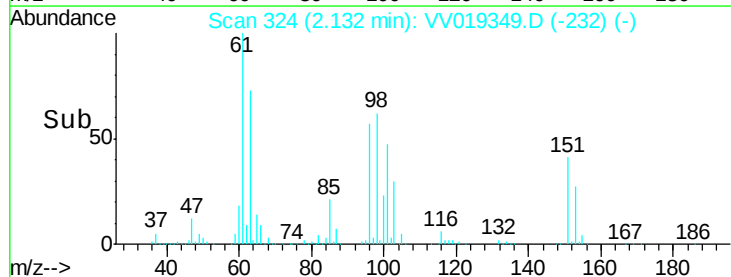
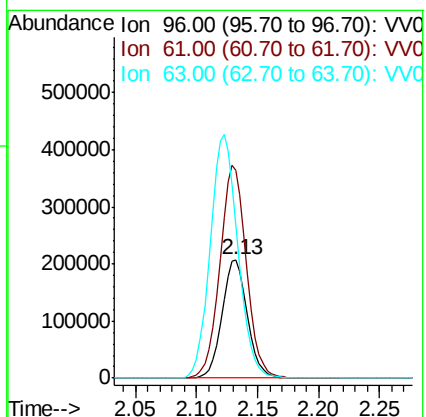
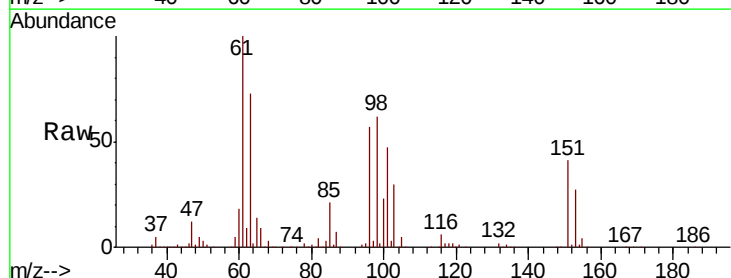
Tgt Ion: 96 Resp: 301376

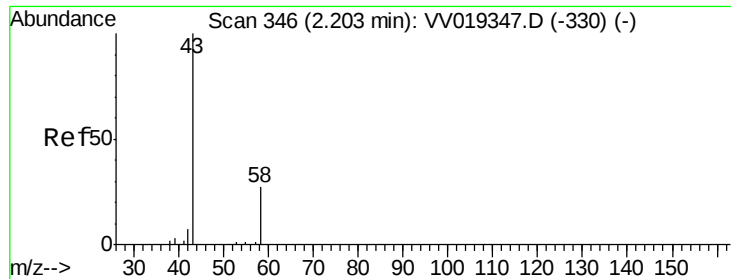
Ion Ratio Lower Upper

96 100

61 175.9 121.0 224.8

63 128.9 86.2 160.0





#13

Acetone

Concen: 294.369 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

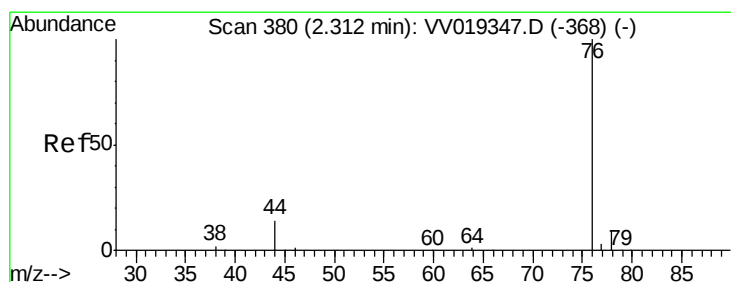
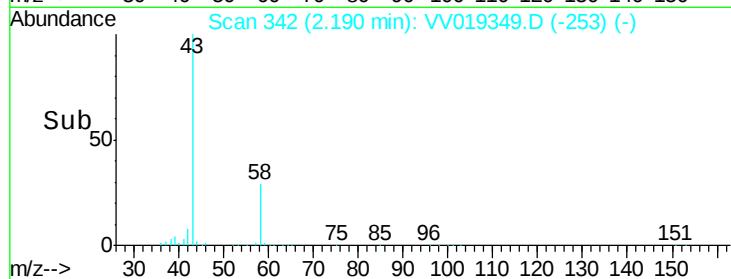
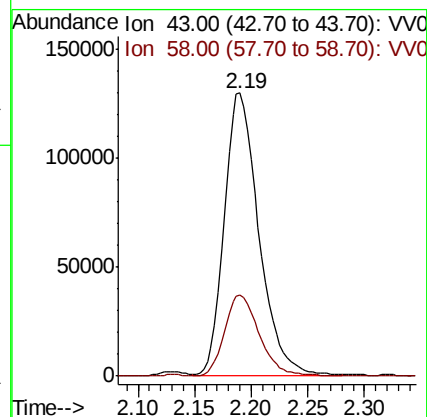
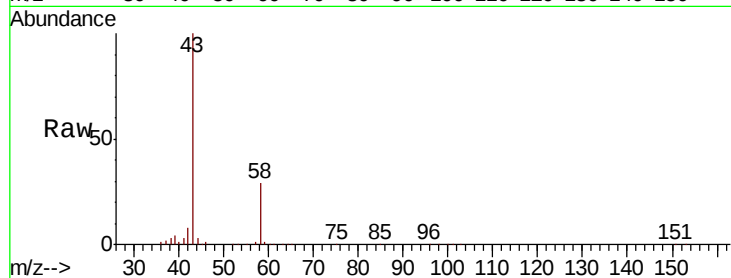
VSTD20061

Tot Ion: 43 Resp: 277069

Ion Ratio Lower Upper

43 100

58 28.5 0.0 55.8



#14

Carbon disulfide

Concen: 194.203 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019349.D

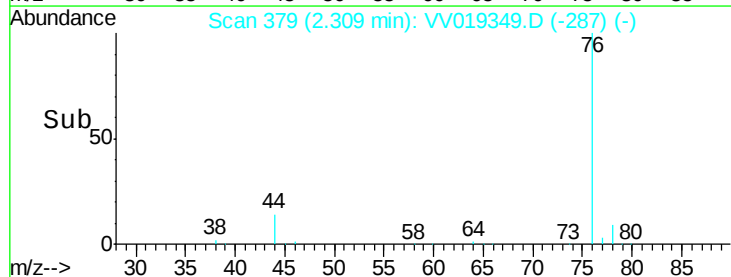
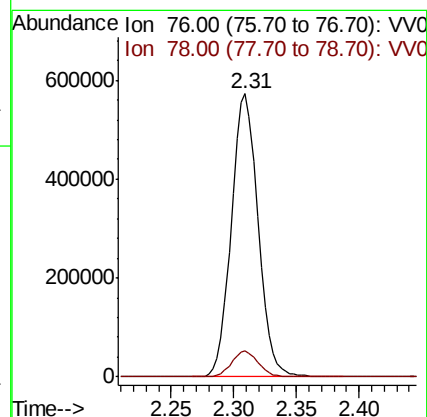
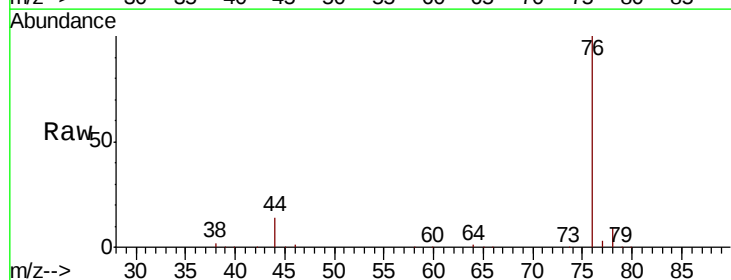
Acq: 12 Nov 2020 12:57

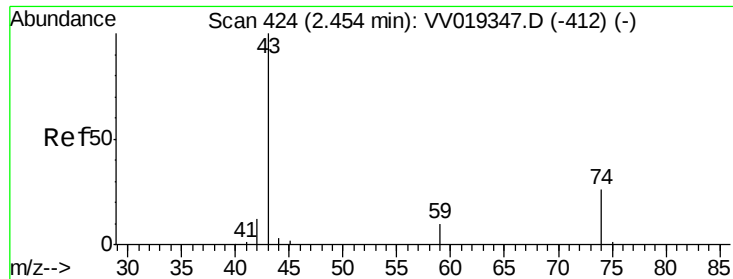
Tgt Ion: 76 Resp: 848399

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

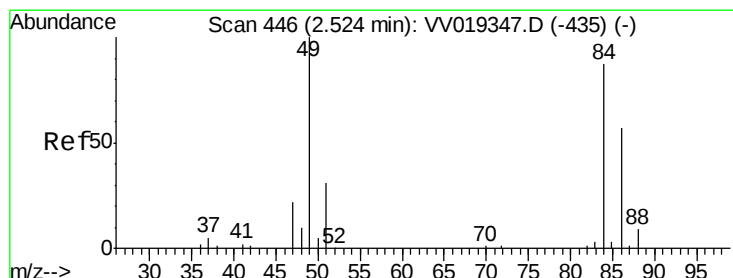
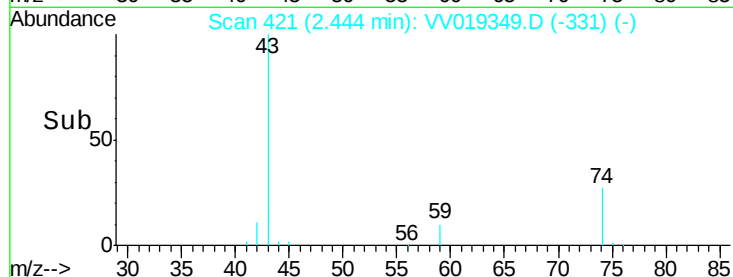
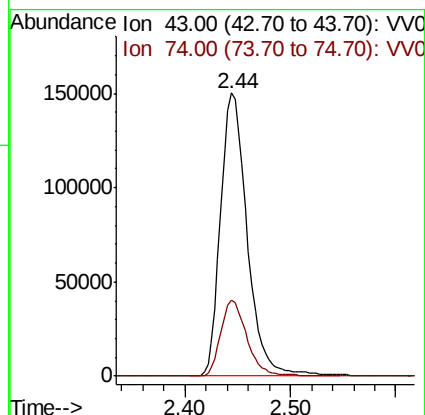
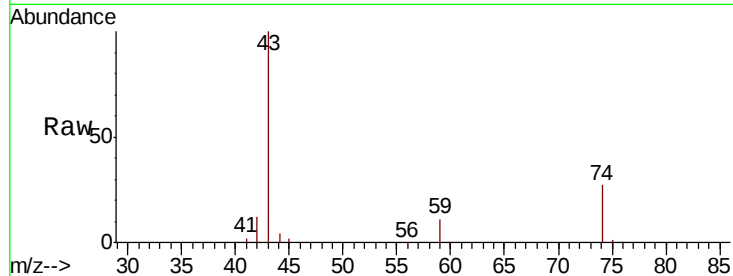




#15
Methvl Acetate
Concen: 172.565 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

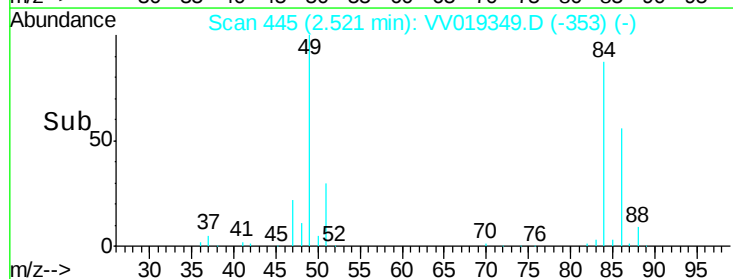
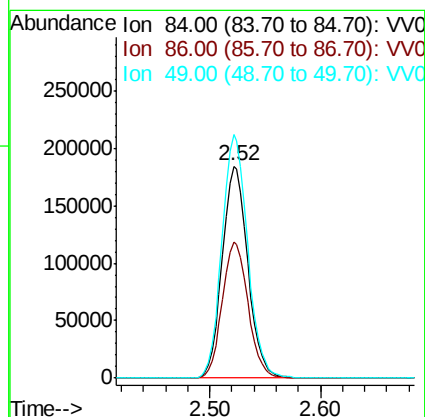
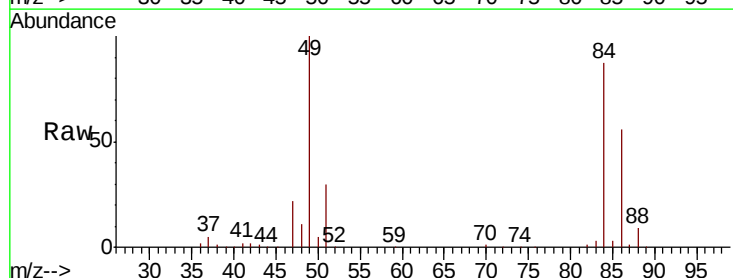
Instrument :
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ClientSampleId :
VSTD20061

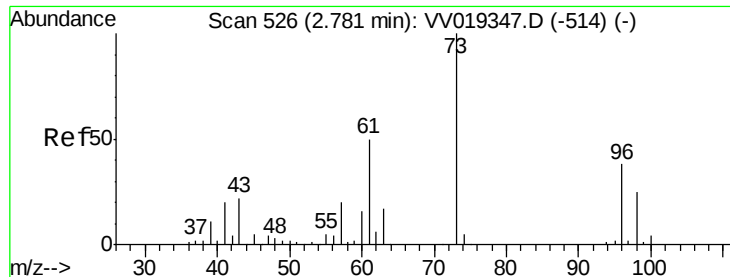
Tot Ion: 43 Resp: 262418
Ion Ratio Lower Upper
43 100
74 26.4 20.7 31.1



#16
Methylene chloride
Concen: 188.766 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 84 Resp: 297150
Ion Ratio Lower Upper
84 100
86 64.1 45.6 84.8
49 115.0 80.2 149.0





#17

trans-1,2-Dichloroethene

Concen: 199.326 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

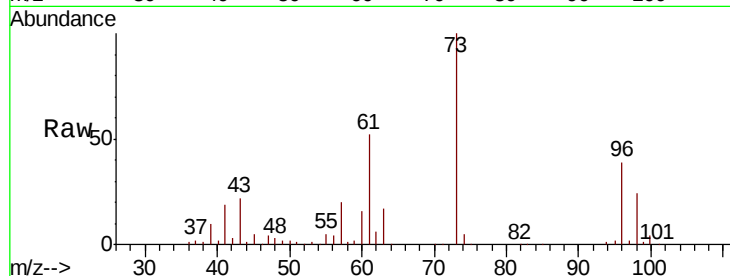
Tot Ion: 96 Resp: 296373

Ion Ratio Lower Upper

96 100

61 135.0 91.8 170.6

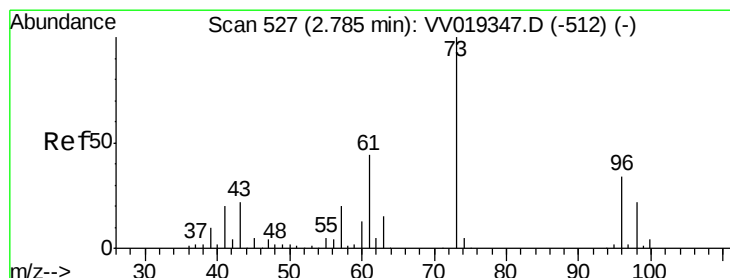
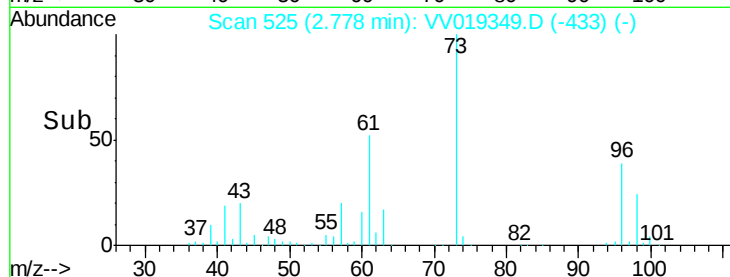
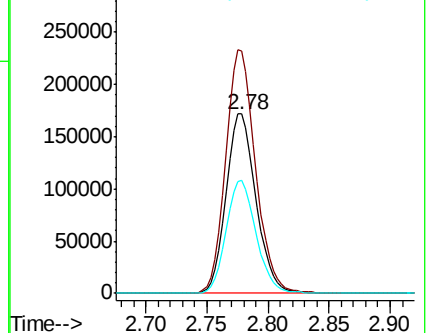
98 62.8 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV019349.D (-433) (-)

Ion 61.00 (60.70 to 61.70): VV019349.D (-433) (-)

Ion 98.00 (97.70 to 98.70): VV019349.D (-433) (-)



#18

Methyl tert-butyl Ether

Concen: 198.525 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

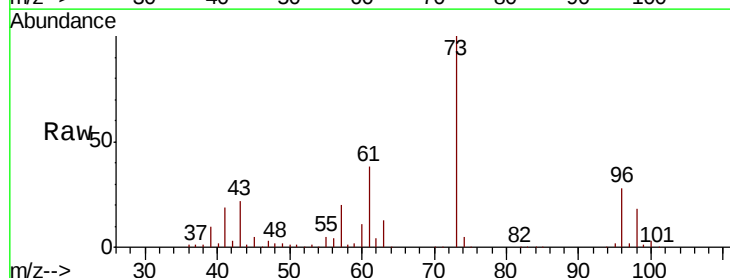
Tgt Ion: 73 Resp: 986007

Ion Ratio Lower Upper

73 100

43 21.5 17.2 25.8

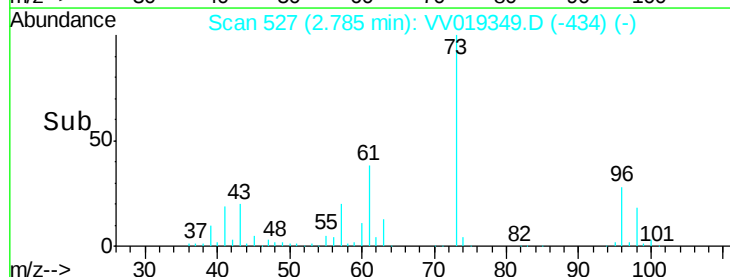
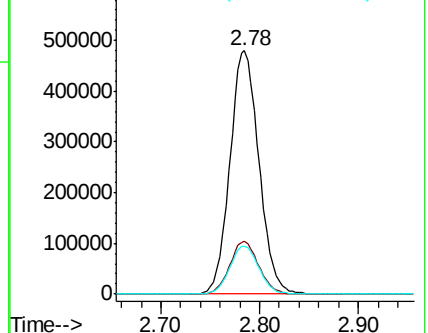
57 19.9 15.9 23.9

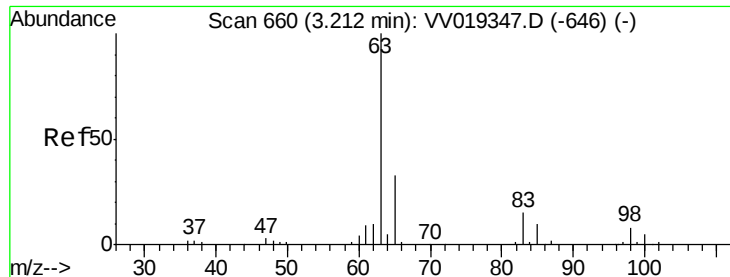


Abundance Ion 73.00 (72.70 to 73.70): VV019349.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV019349.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV019349.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 185.755 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

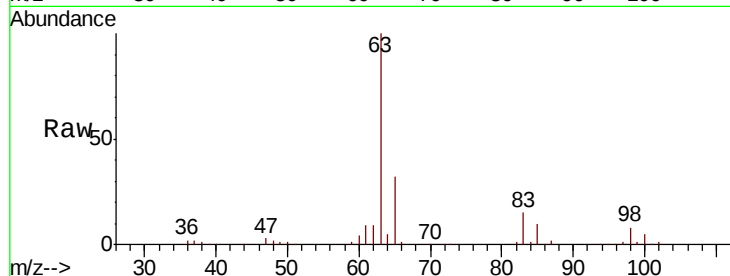
Tot Ion: 63 Resp: 507644

Ion Ratio Lower Upper

63 100

65 32.4 23.0 42.8

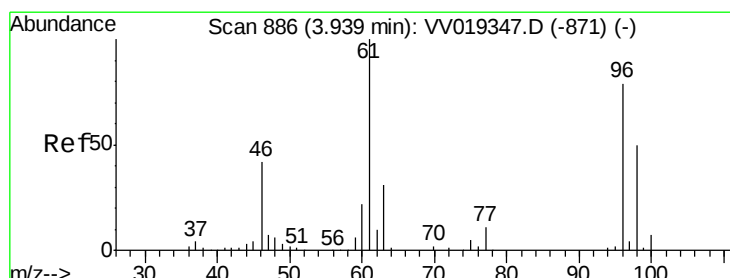
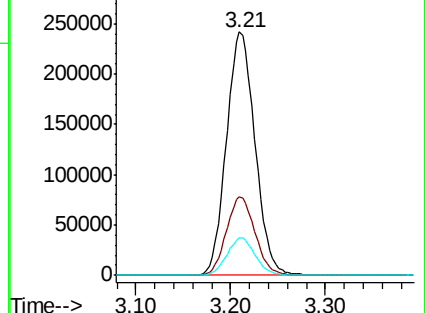
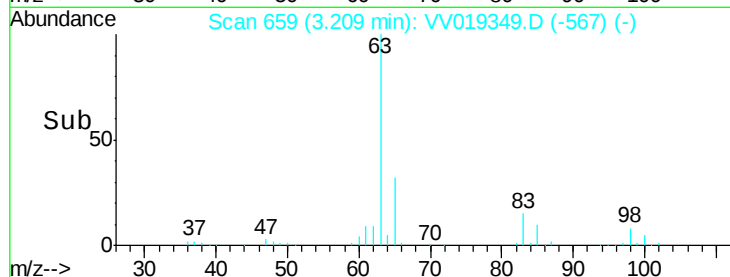
83 15.4 10.7 19.9



Abundance Ion 63.00 (62.70 to 63.70): VV019347.D (-646) (-)

Ion 65.00 (64.70 to 65.70): VV019349.D (-567) (-)

Ion 83.00 (82.70 to 83.70): VV019349.D (-567) (-)



#20

cis-1,2-Dichloroethene

Concen: 198.602 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

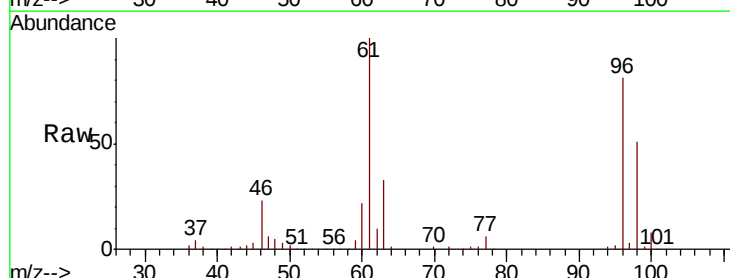
Tgt Ion: 96 Resp: 322781

Ion Ratio Lower Upper

96 100

61 124.1 88.2 163.8

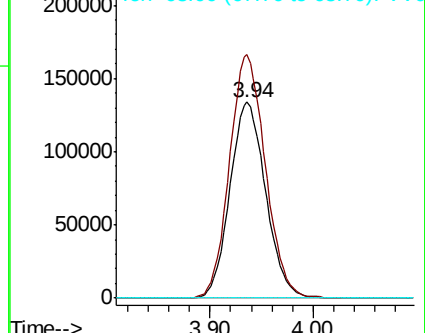
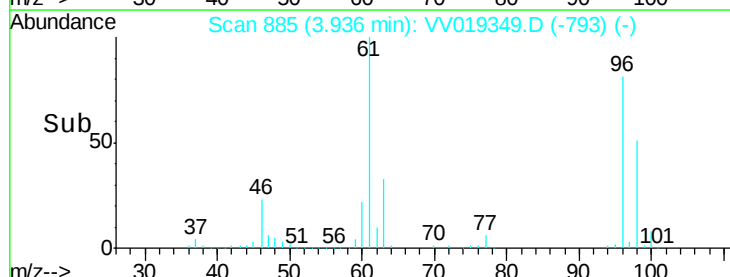
68 0.0 0.0 0.0

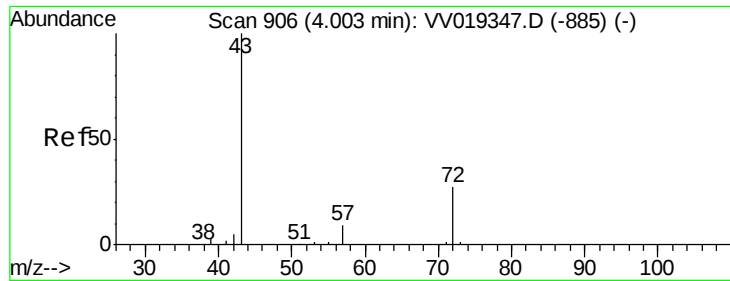


Abundance Ion 96.00 (95.70 to 96.70): VV019347.D (-871) (-)

Ion 61.00 (60.70 to 61.70): VV019349.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV019349.D (-793) (-)





#22

2-Butanone

Concen: 357.107 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.02 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampled :

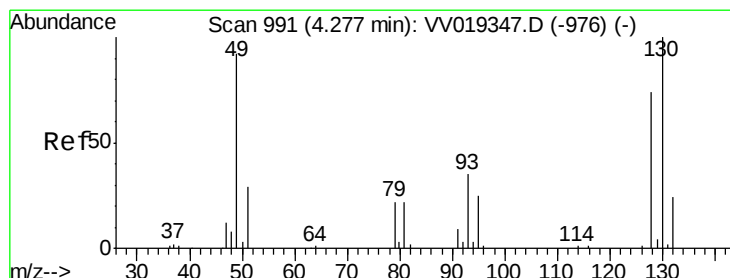
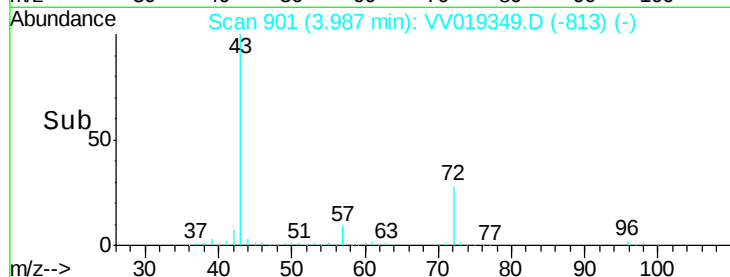
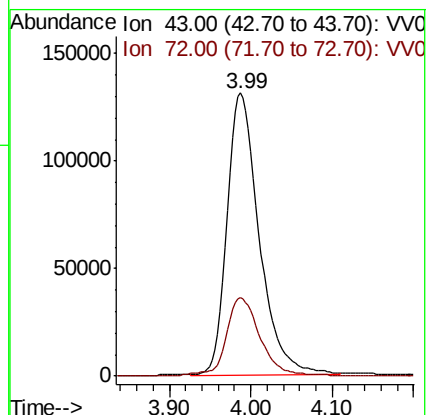
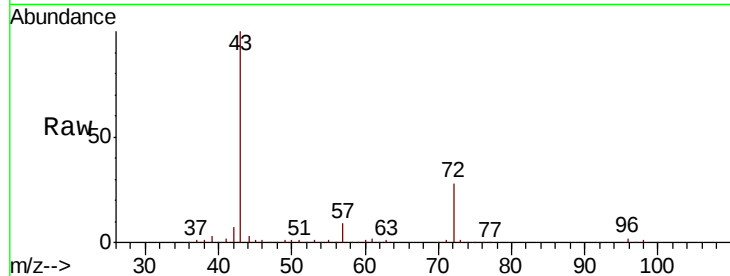
VSTD20061

Tot Ion: 43 Resp: 363887

Ion Ratio Lower Upper

43 100

72 29.5 13.1 39.3



#23

Bromochloromethane

Concen: 205.578 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Tgt Ion: 128 Resp: 182568

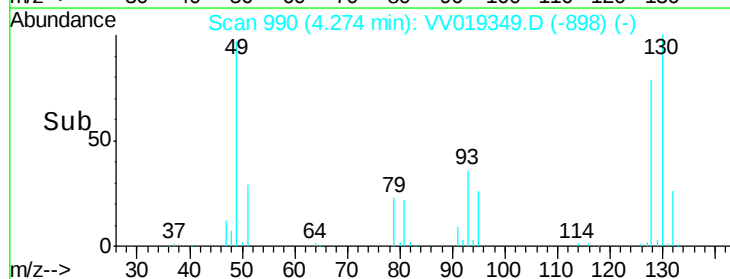
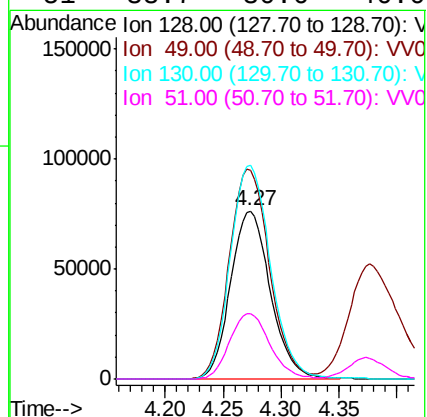
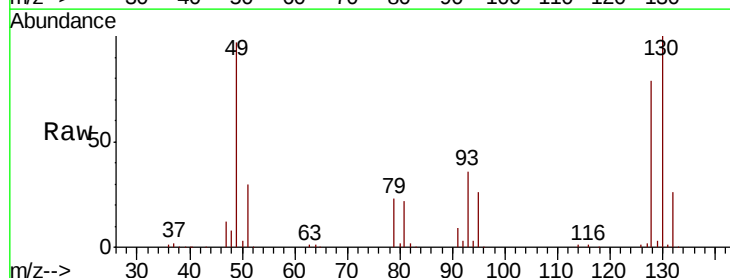
Ion Ratio Lower Upper

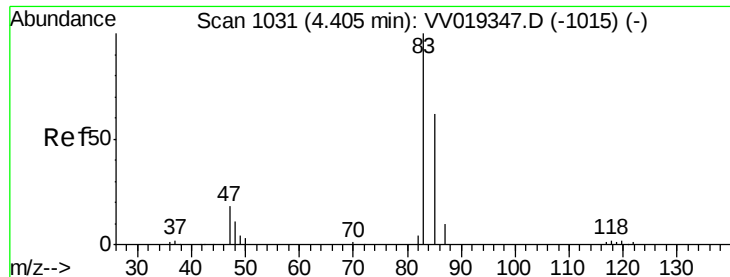
128 100

49 123.9 86.2 160.0

130 127.1 94.0 174.6

51 38.7 30.6 46.0

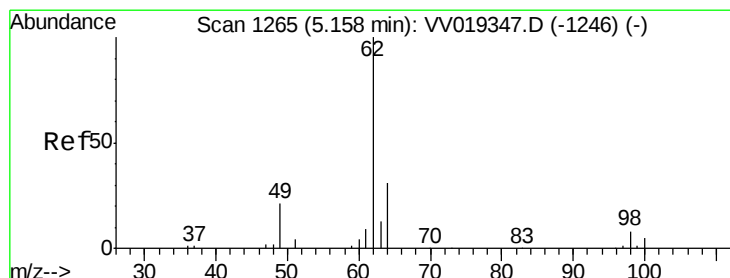
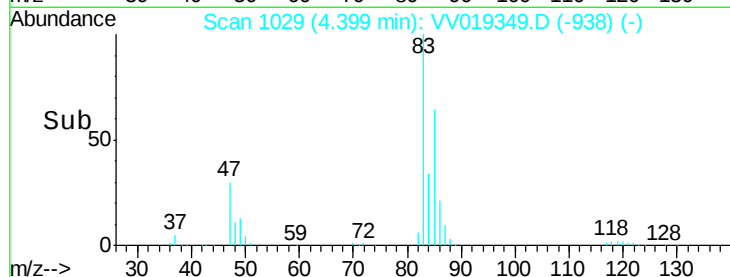
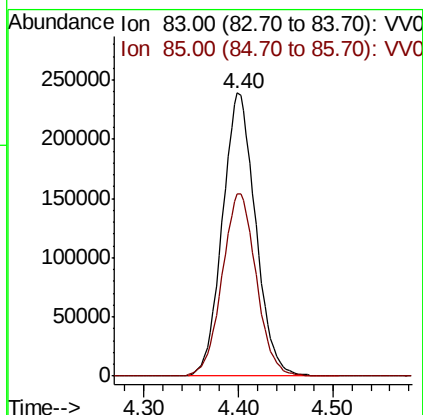
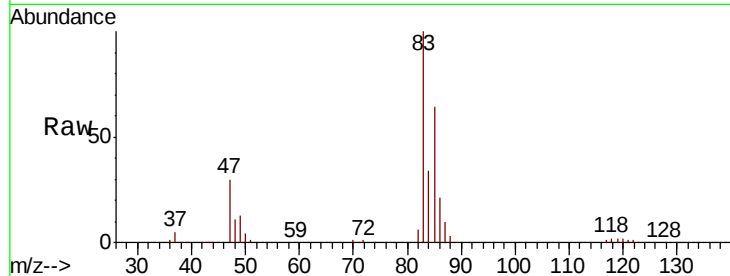




#25
Chloroform
Concen: 193.620 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

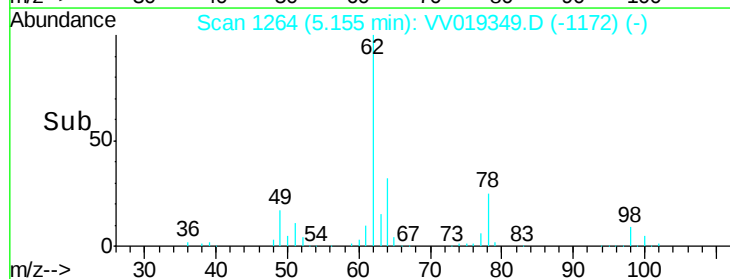
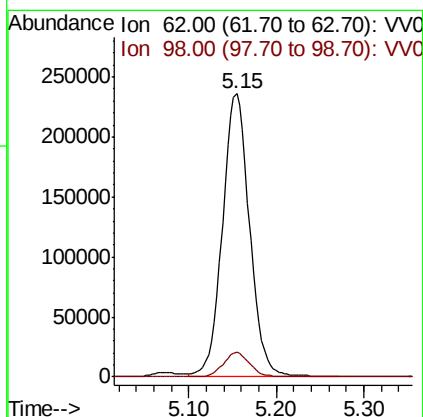
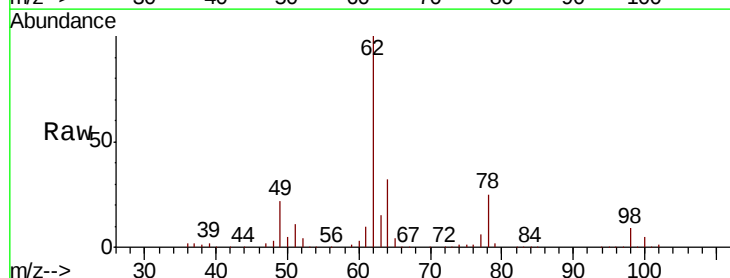
Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

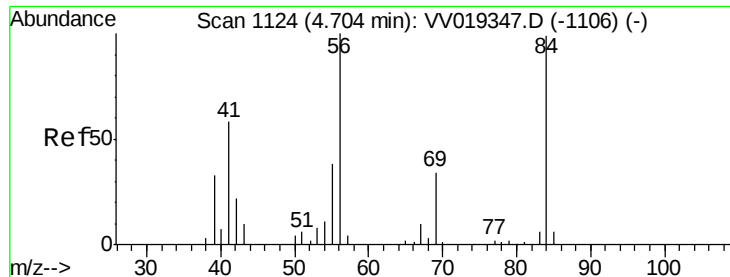
Tot Ion: 83 Resp: 581597
Ion Ratio Lower Upper
83 100
85 64.2 44.0 81.8



#27
1,2-Dichloroethane
Concen: 197.836 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 62 Resp: 508343
Ion Ratio Lower Upper
62 100
98 8.6 6.7 10.1

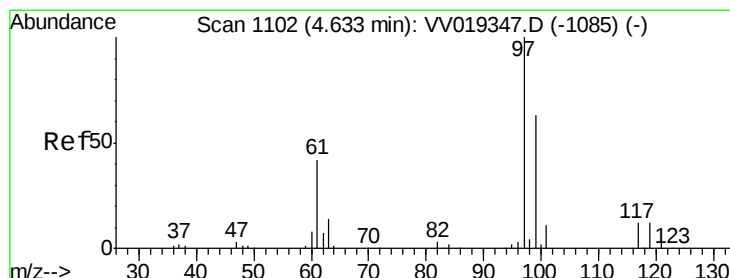
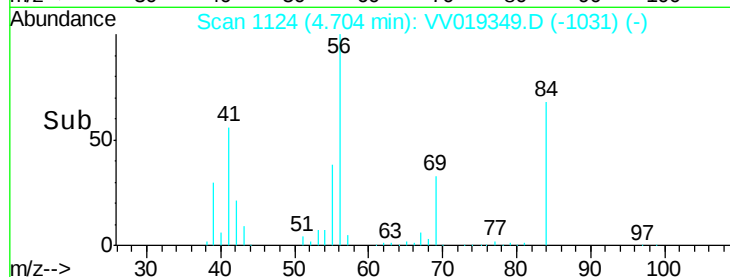
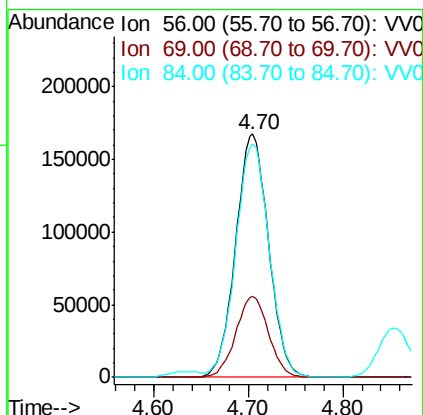
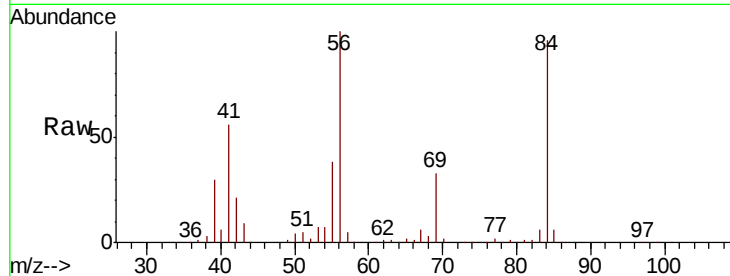




#29
Cyclohexane
Concen: 177.610 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

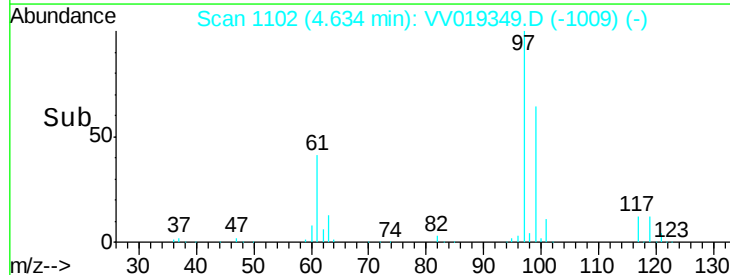
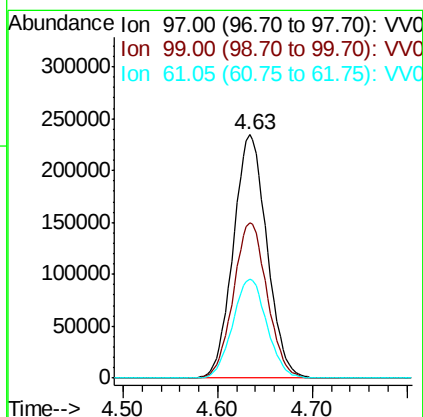
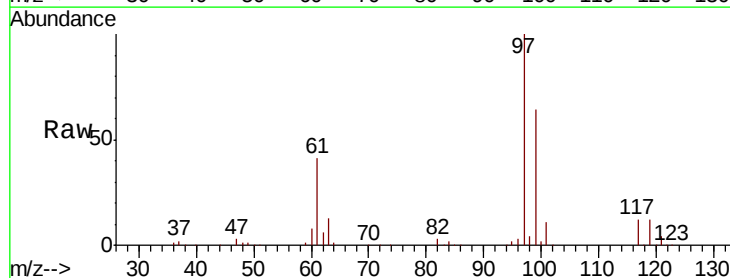
Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

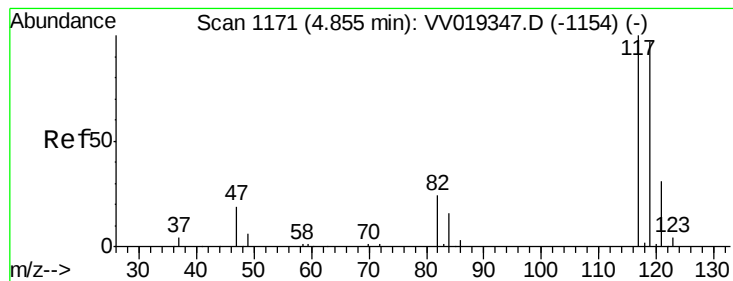
Tot Ion: 56 Resp: 405343
Ion Ratio Lower Upper
56 100
69 33.1 26.7 40.1
84 97.7 79.5 119.3



#30
1,1,1-Trichloroethane
Concen: 199.814 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 97 Resp: 577889
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 41.5 33.2 49.8





#31

Carbon tetrachloride

Concen: 203.507 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

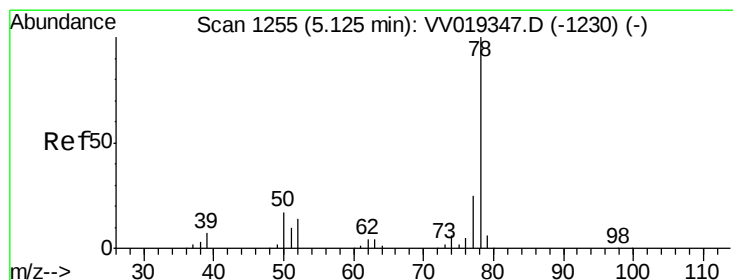
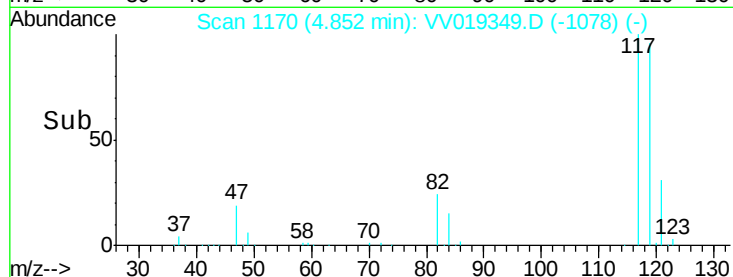
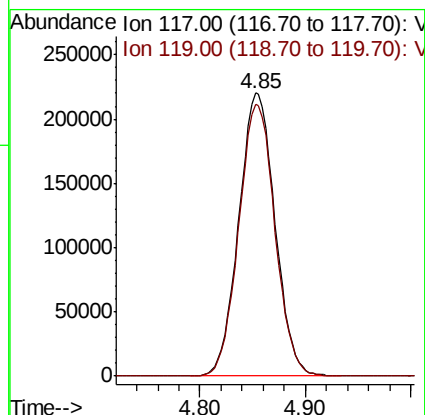
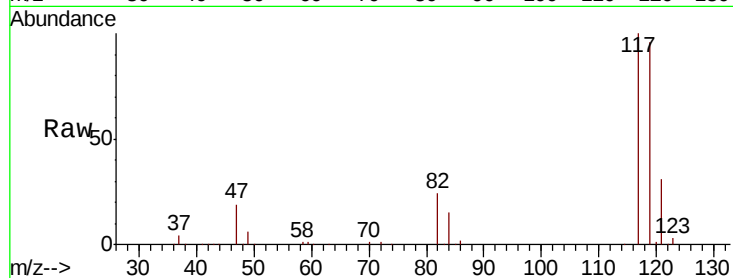
VSTD20061

Tot Ion:117 Resp: 524297

Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.4



#33

Benzene

Concen: 187.957 ug/L

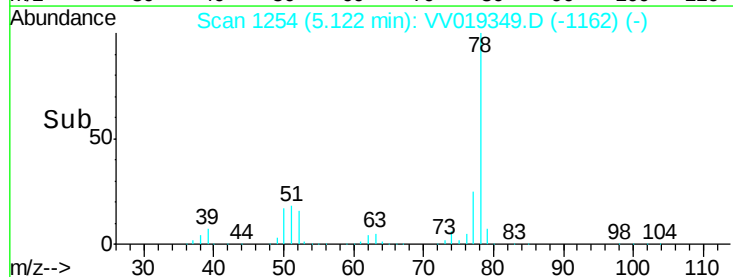
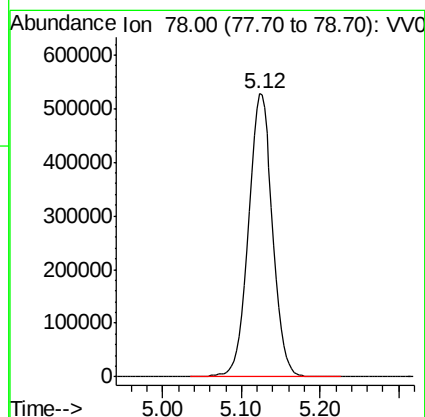
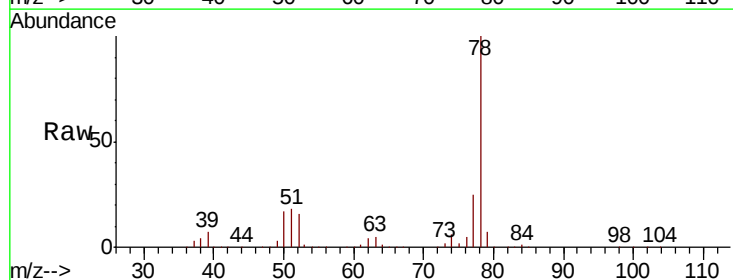
RT: 5.12 min Scan# 1254

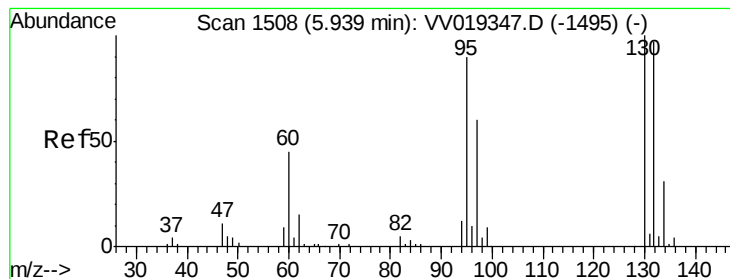
Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Tgt Ion: 78 Resp: 1141291





#34

Trichloroethene

Concen: 193.523 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

Tot Ion: 95 Resp: 325937

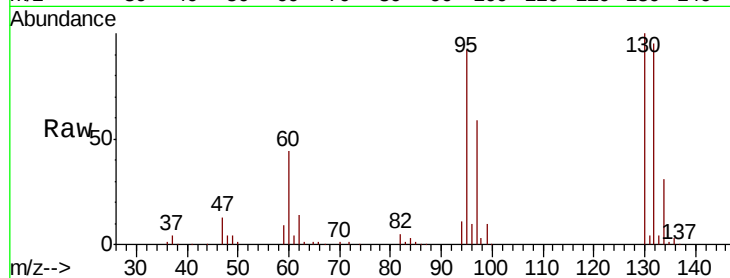
Ion Ratio Lower Upper

95 100

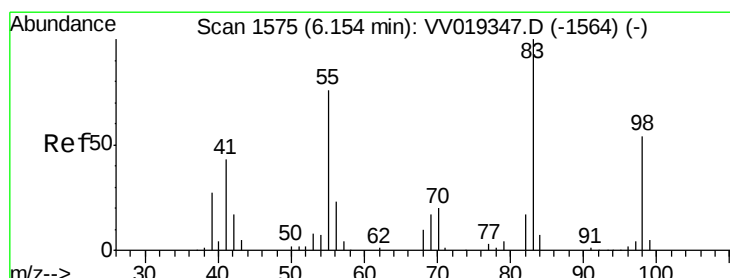
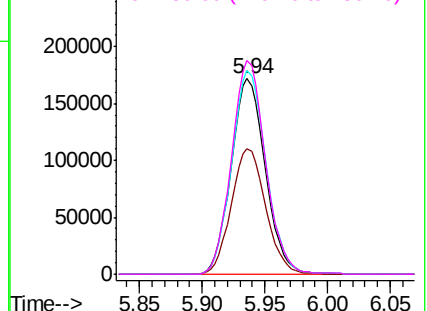
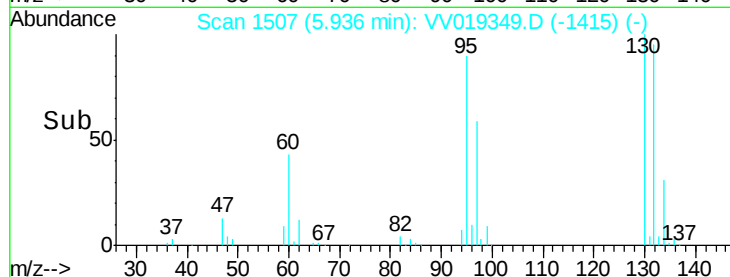
97 64.1 46.8 86.8

132 103.9 75.5 140.3

130 109.2 77.7 144.3



Abundance Ion 95.00 (94.70 to 95.70): VV019347.D (-1495) (-)



#35

Methylcyclohexane

Concen: 193.005 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

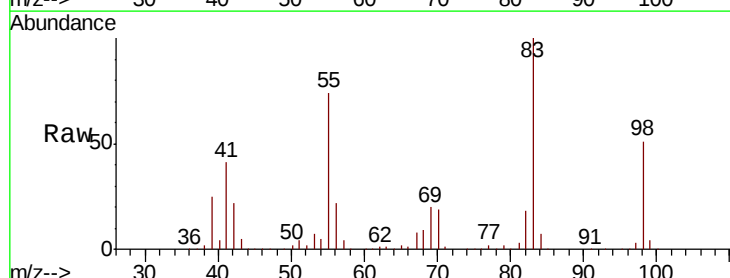
Tgt Ion: 83 Resp: 428156

Ion Ratio Lower Upper

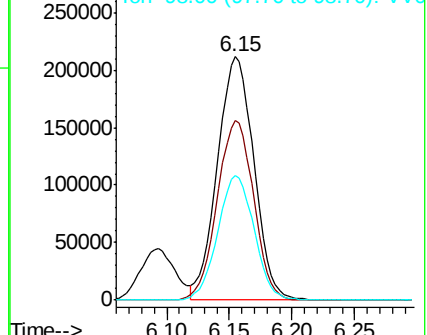
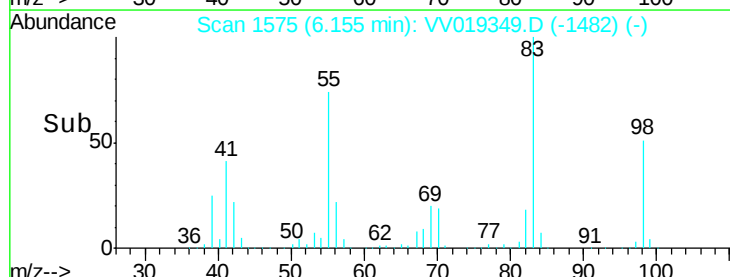
83 100

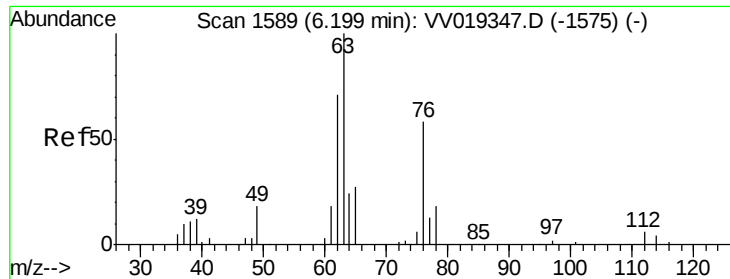
55 73.6 58.6 88.0

98 50.9 41.4 62.0



Abundance Ion 83.00 (82.70 to 83.70): VV019347.D (-1564) (-)

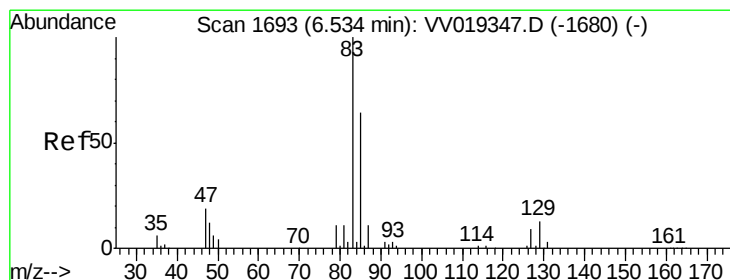
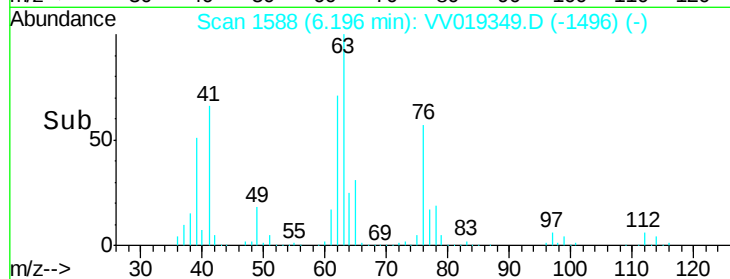
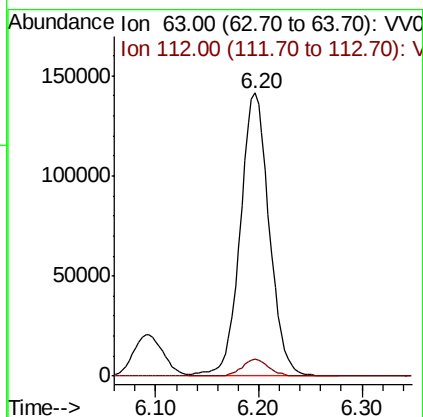
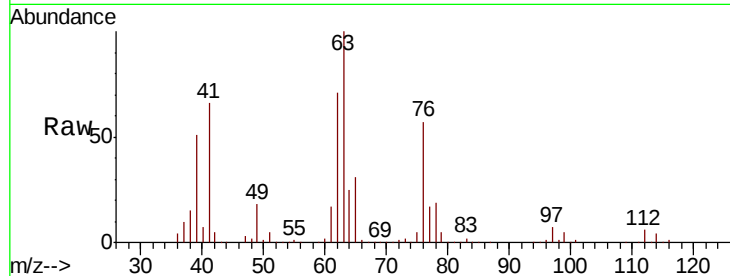




#37
 1,2-Dichloropropane
 Concen: 184.102 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV019349.D
 Acq: 12 Nov 2020 12:57

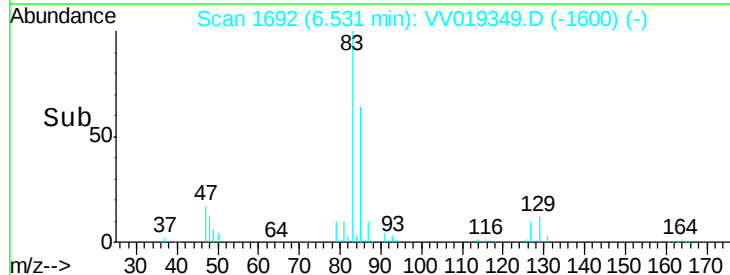
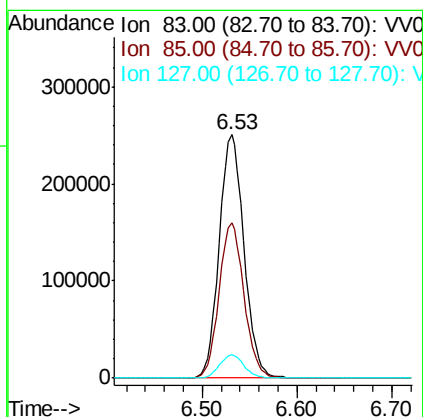
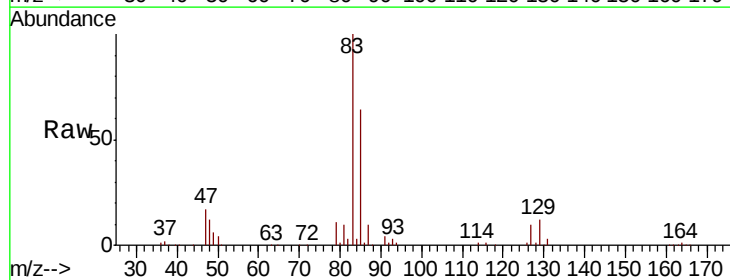
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

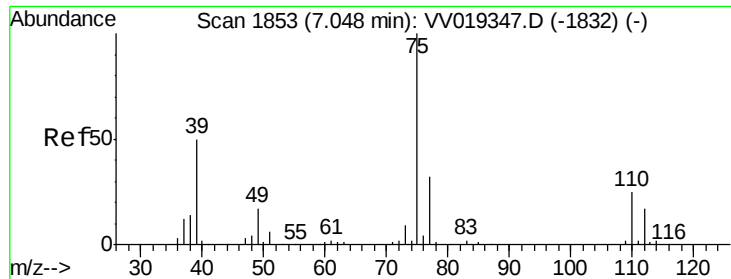
Tot Ion: 63 Resp: 275613
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.6 6.8



#38
 Bromodichloromethane
 Concen: 200.696 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV019349.D
 Acq: 12 Nov 2020 12:57

Tgt Ion: 83 Resp: 455730
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.1 83.7
 127 9.6 7.2 10.8

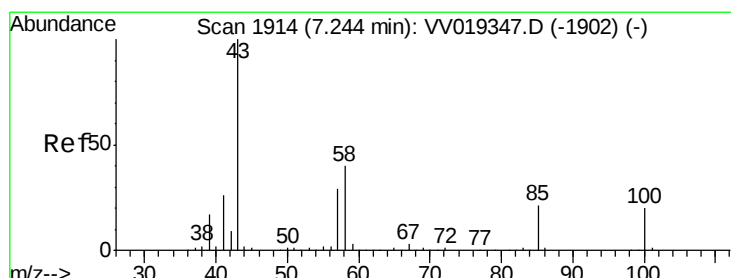
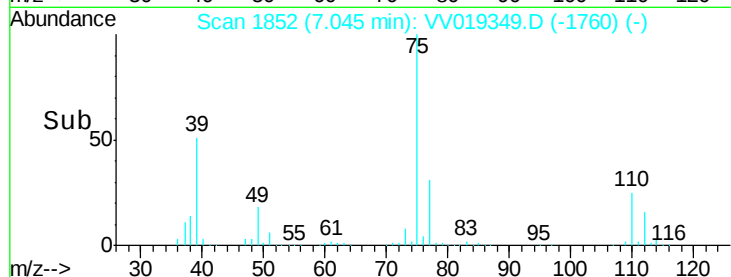
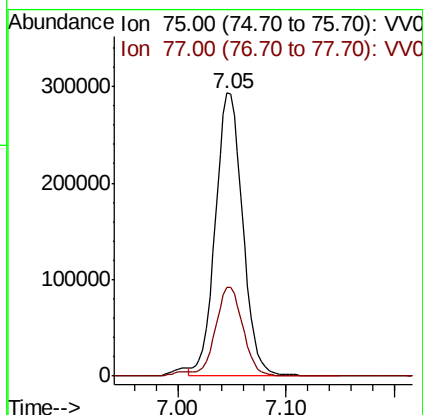
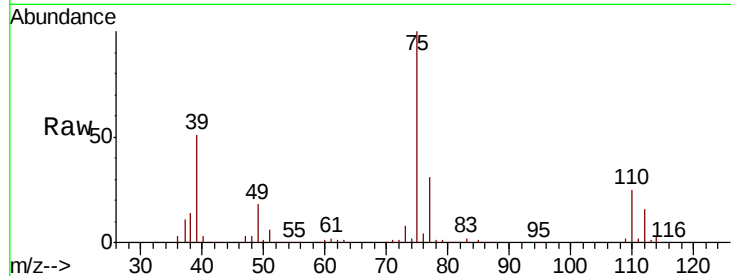




#39
 cis-1,3-Dichloropropene
 Concen: 205.172 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV019349.D
 Acq: 12 Nov 2020 12:57

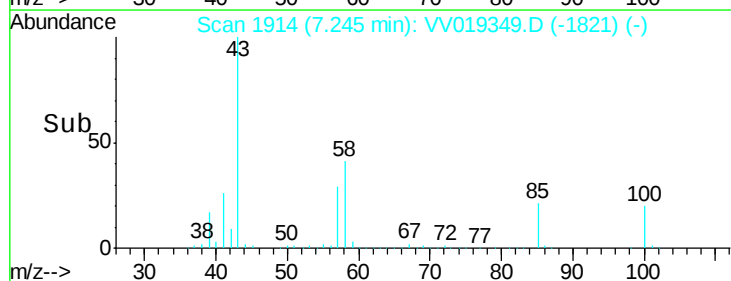
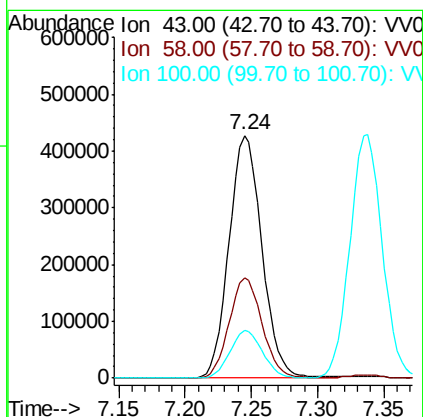
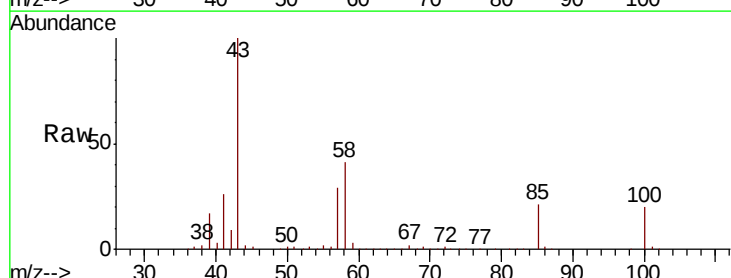
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

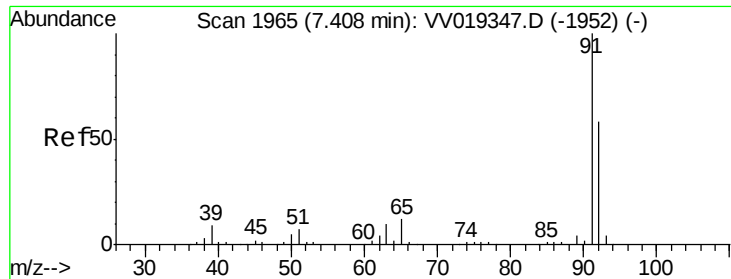
Tot Ion: 75 Resp: 512806
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 364.270 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019349.D
 Acq: 12 Nov 2020 12:57

Tgt Ion: 43 Resp: 738455
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.7 49.1
 100 19.4 15.9 23.9





#42

Toluene

Concen: 196.582 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

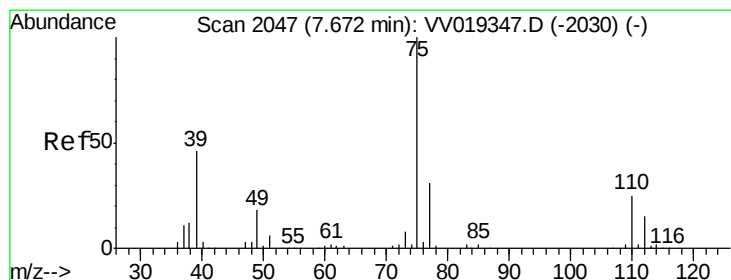
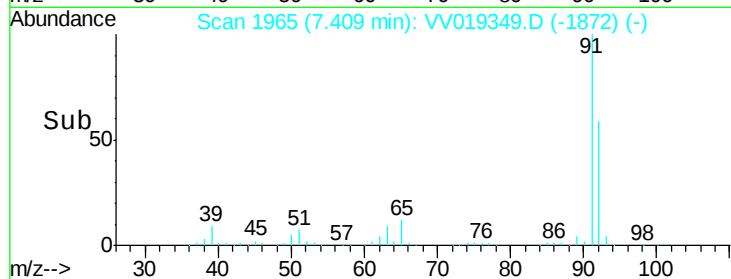
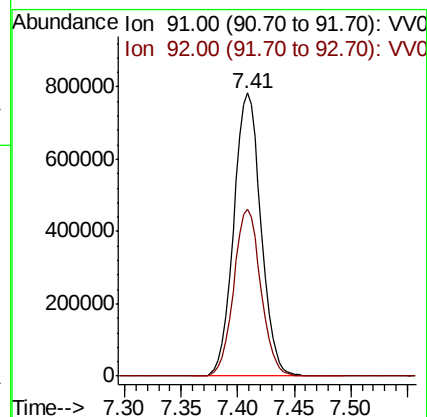
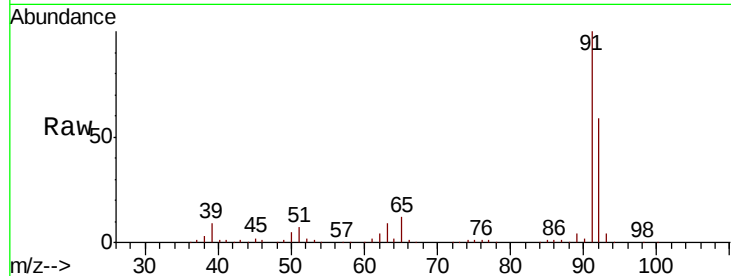
VSTD20061

Tot Ion: 91 Resp: 1309199

Ion Ratio Lower Upper

91 100

92 59.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 209.723 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019349.D

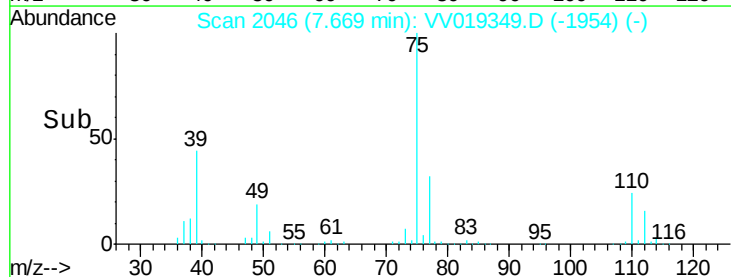
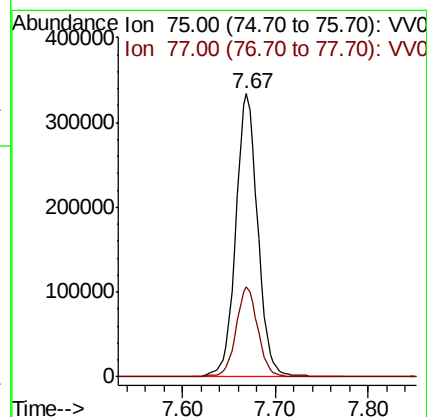
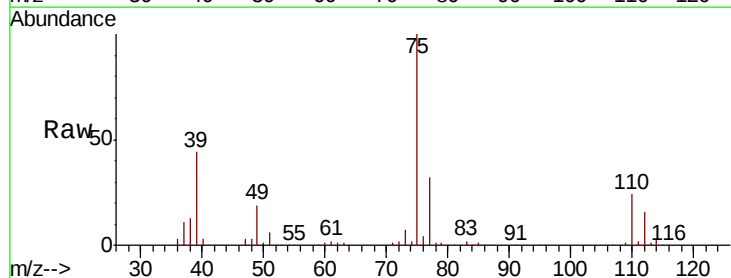
Acq: 12 Nov 2020 12:57

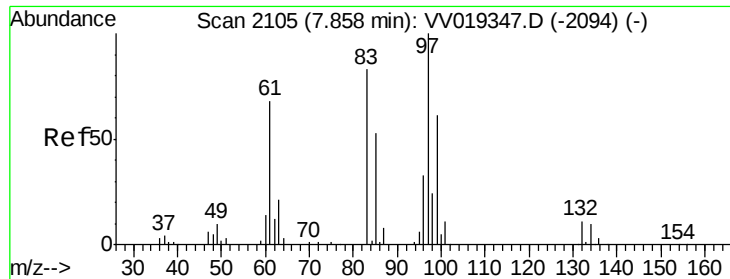
Tgt Ion: 75 Resp: 548338

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 195.903 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

Tot Ion: 97 Resp: 300227

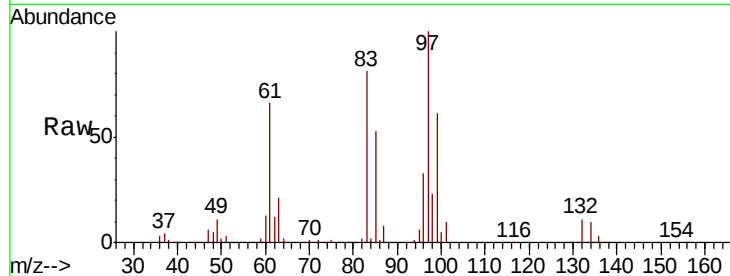
Ion Ratio Lower Upper

97 100

99 61.5 42.5 78.9

83 80.6 58.1 107.9

85 53.3 37.2 69.0

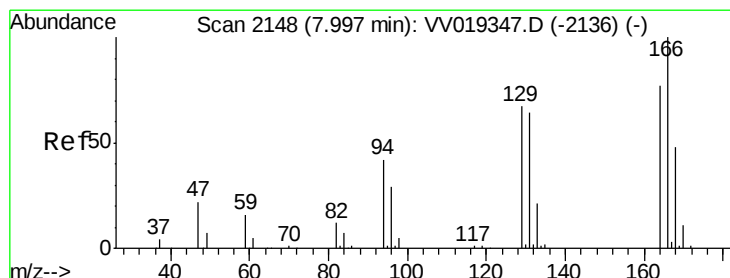
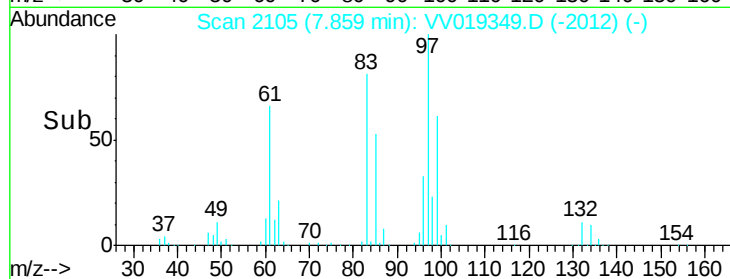
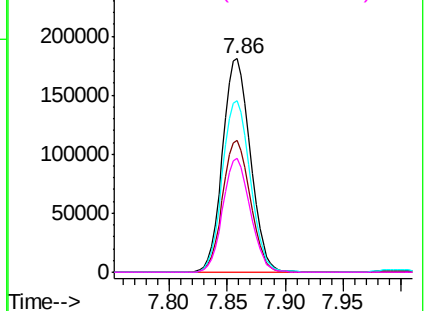


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 204.347 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Tgt Ion: 164 Resp: 295664

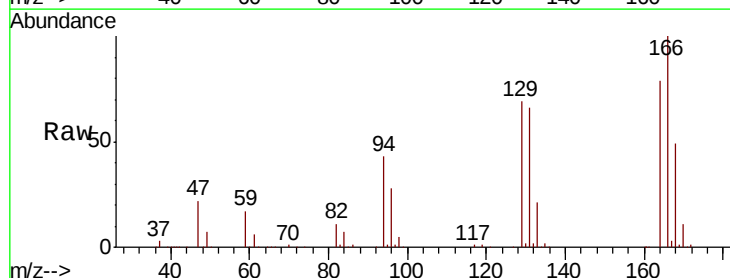
Ion Ratio Lower Upper

164 100

129 87.7 60.9 113.1

131 83.7 58.9 109.5

166 127.4 91.4 169.8

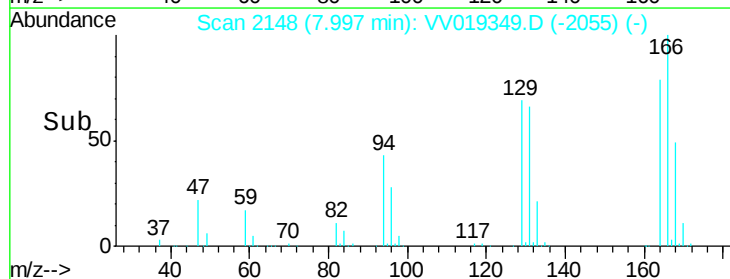
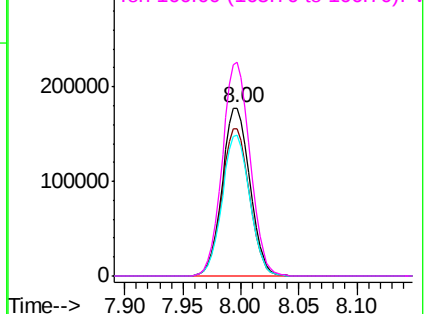


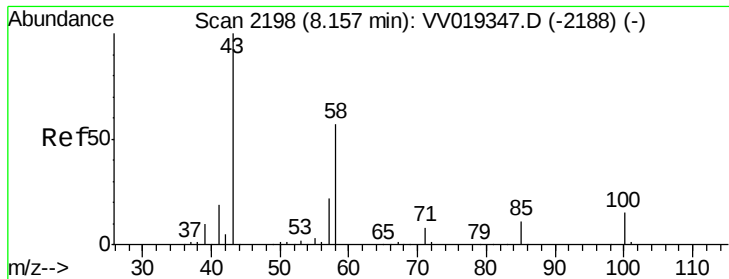
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

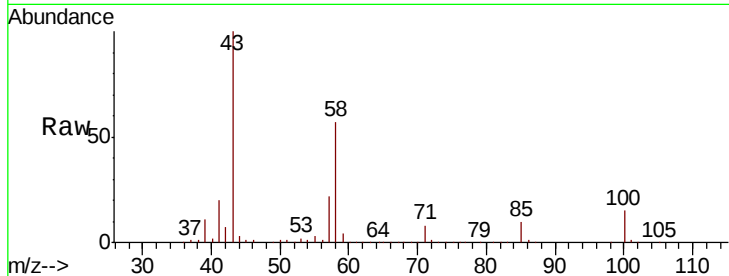




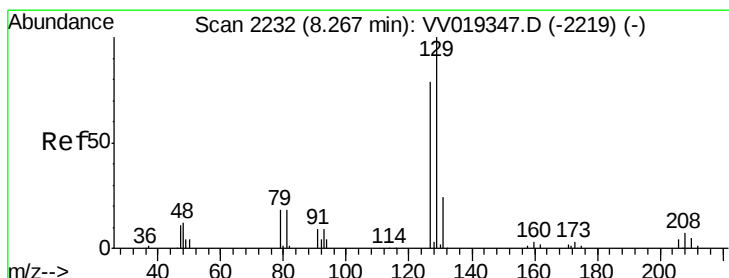
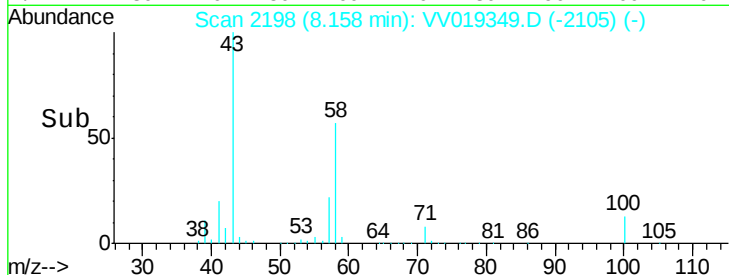
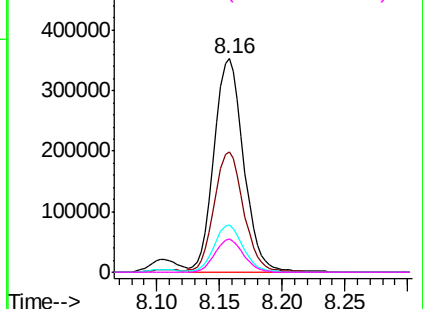
#48
2-Hexanone
Concen: 356.256 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

Tot Ion: 43 Resp: 577140
Ion Ratio Lower Upper
43 100
58 56.5 43.6 65.4
57 21.6 17.2 25.8
100 15.2 11.9 17.9

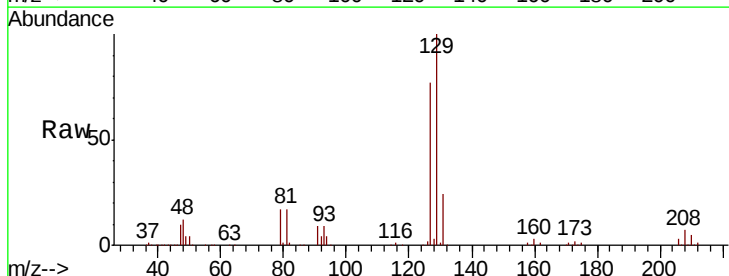


Abundance Ion 43.00 (42.70 to 43.70): VV019349.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV019349.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV019349.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV019349.D (-2188) (-)

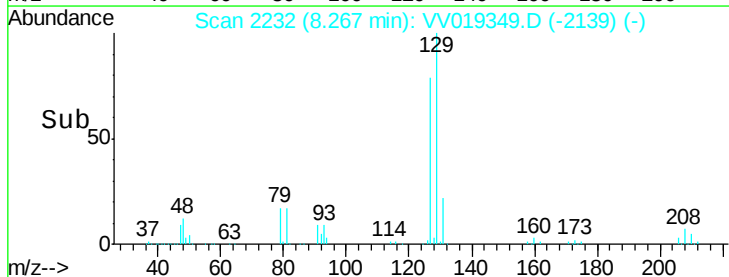
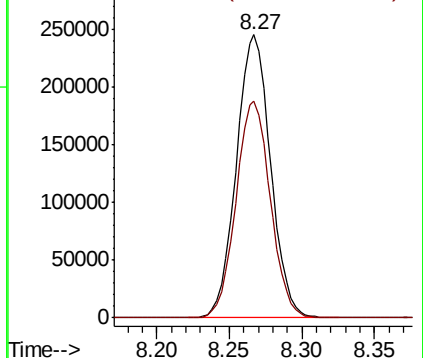


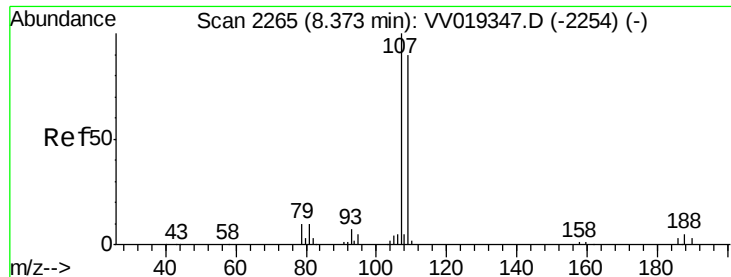
#49
Dibromochloromethane
Concen: 214.662 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 129 Resp: 402327
Ion Ratio Lower Upper
129 100
127 76.8 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VV019349.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV019349.D (-2219) (-)

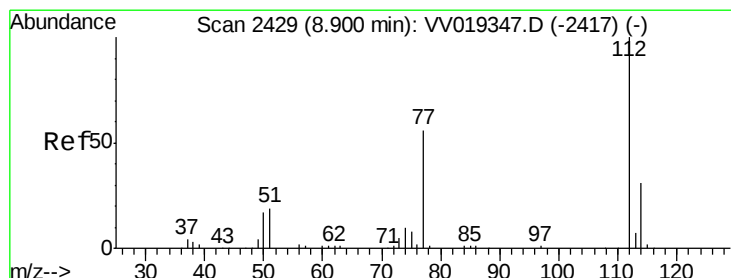
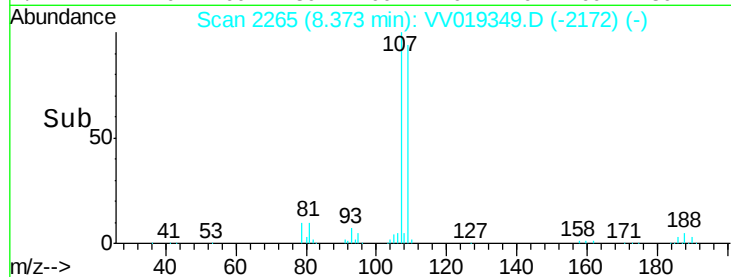
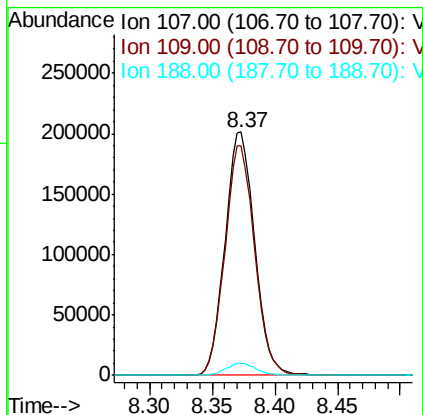
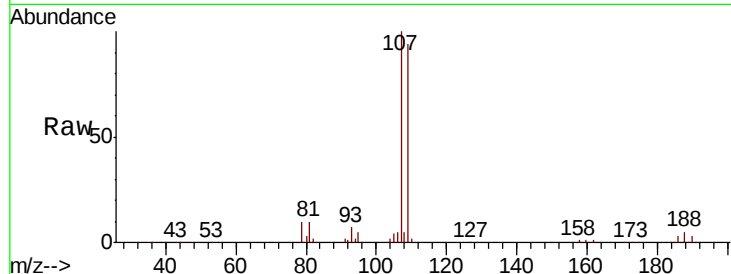




#50
1,2-Dibromoethane
Concen: 201.402 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

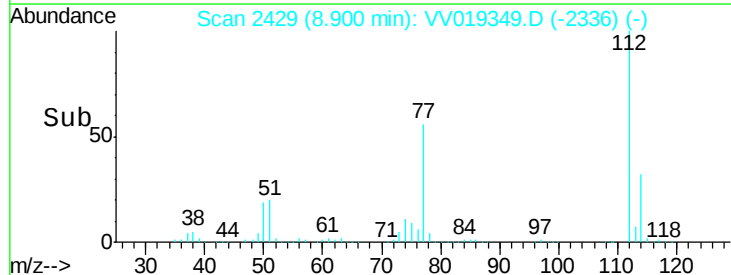
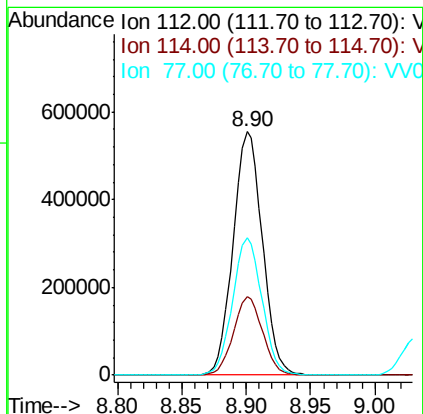
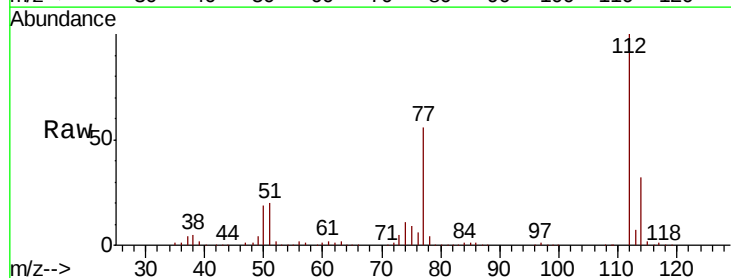
Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

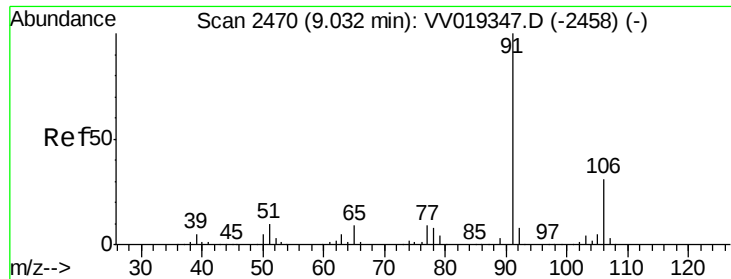
Tot Ion	107	Resp	329978
Ion Ratio	Lower	Upper	
107	100		
109	94.3	62.9	116.9
188	5.0	3.6	5.4



#51
Chlorobenzene
Concen: 199.105 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019349.D
Acq: 12 Nov 2020 12:57

Tgt Ion	112	Resp	876934
Ion Ratio	Lower	Upper	
112	100		
114	32.0	21.8	40.6
77	56.2	45.1	67.7





#52

Ethylbenzene

Concen: 200.415 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

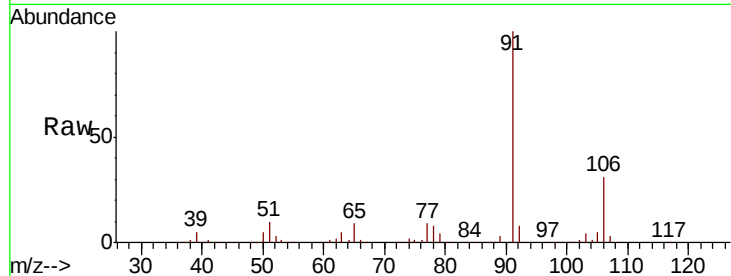
VSTD20061

Tot Ion: 91 Resp: 1477548

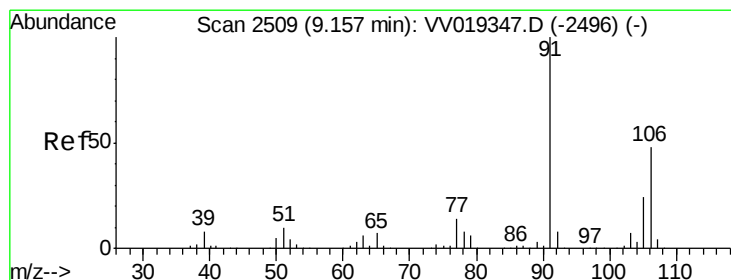
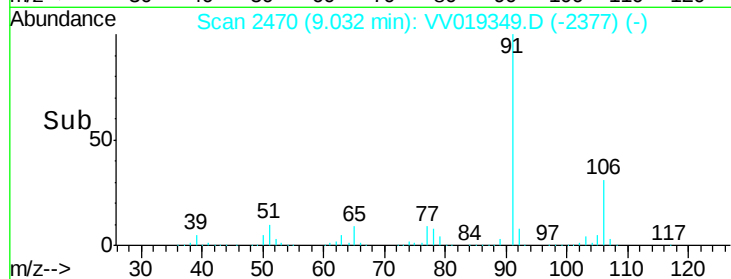
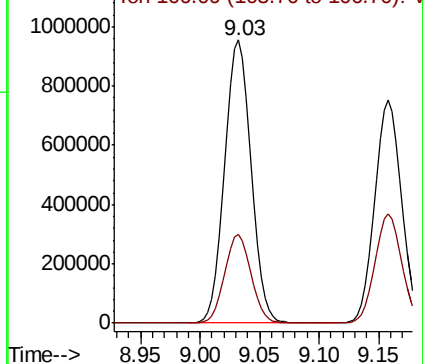
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV019349.D (-2377) (-)



#53

m,p-Xylene

Concen: 206.501 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019349.D

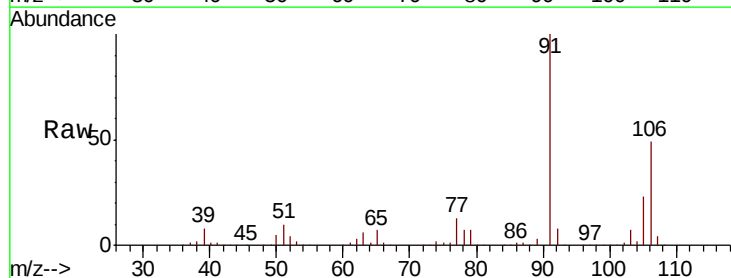
Acq: 12 Nov 2020 12:57

Tgt Ion: 106 Resp: 574645

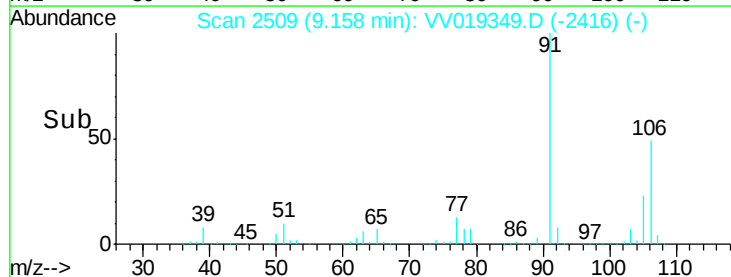
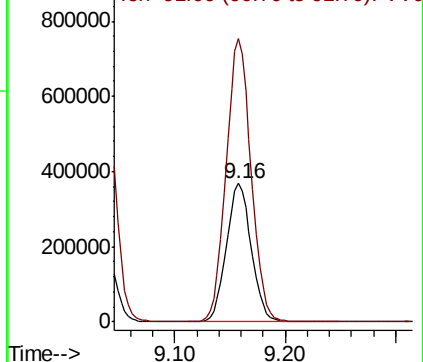
Ion Ratio Lower Upper

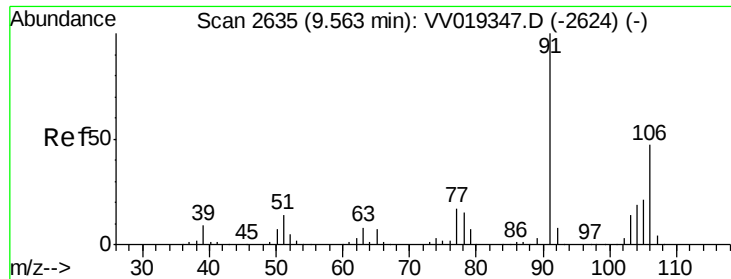
106 100

91 204.8 144.9 269.1



Abundance Ion 106.00 (105.70 to 106.70): VV019349.D (-2416) (-)





#54

o-xylene

Concen: 208.466 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

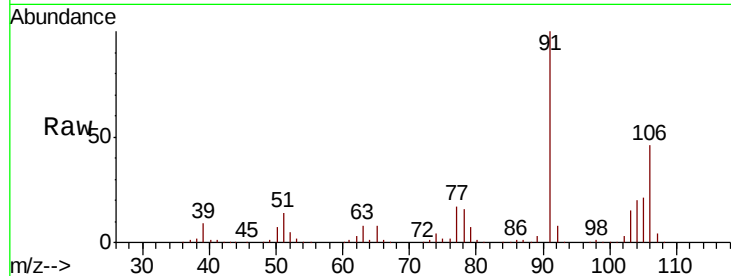
VSTD20061

Tot Ion:106 Resp: 559875

Ion Ratio Lower Upper

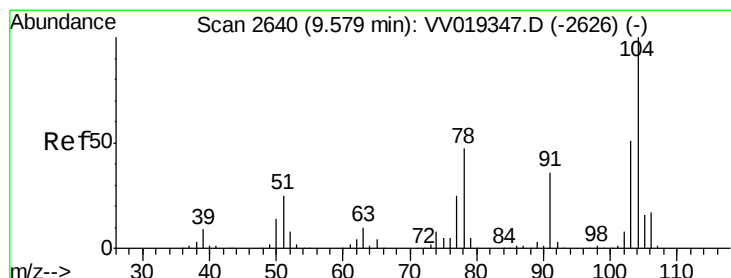
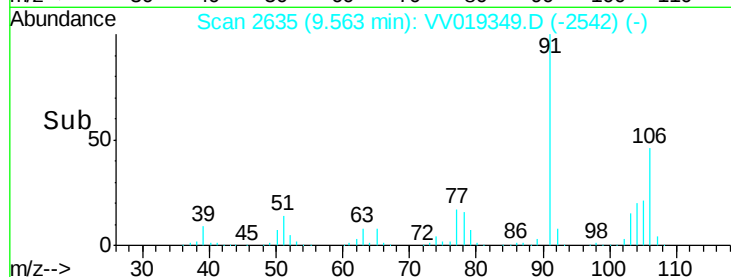
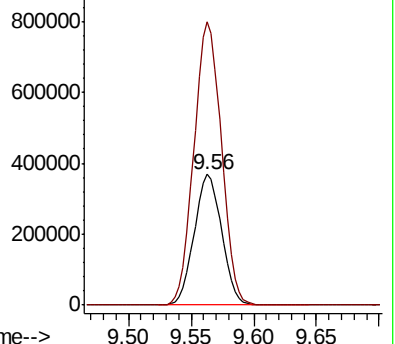
106 100

91 216.7 149.3 277.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 212.082 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019349.D

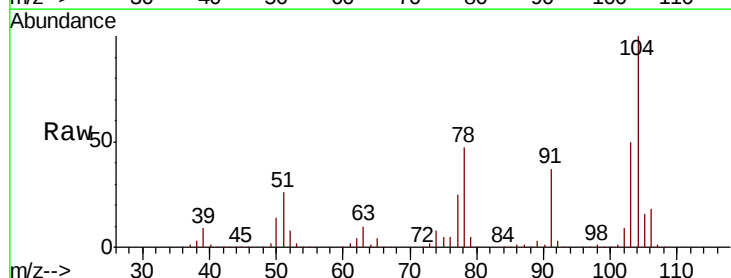
Acq: 12 Nov 2020 12:57

Tgt Ion:104 Resp: 1007591

Ion Ratio Lower Upper

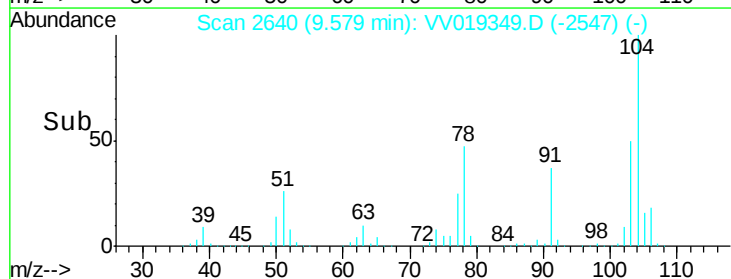
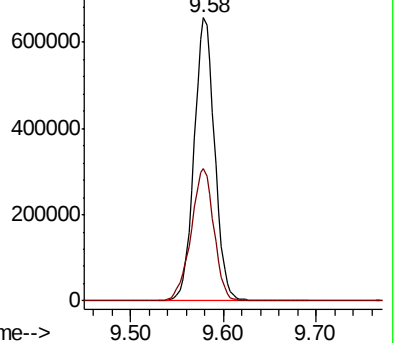
104 100

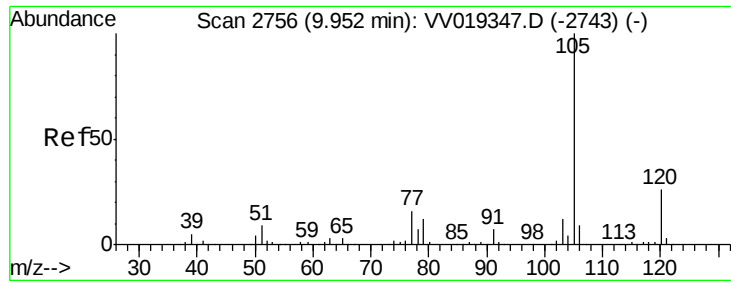
78 46.8 33.0 61.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 209.779 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampled :

VSTD20061

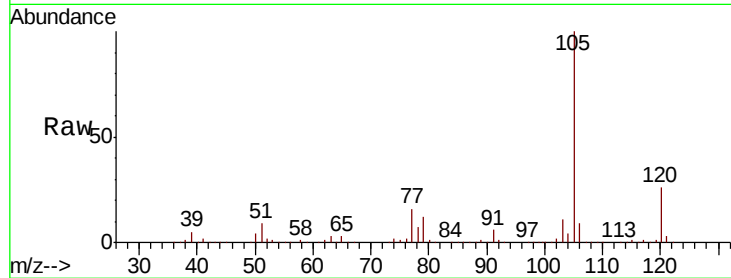
Tot Ion:105 Resp: 1509443

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

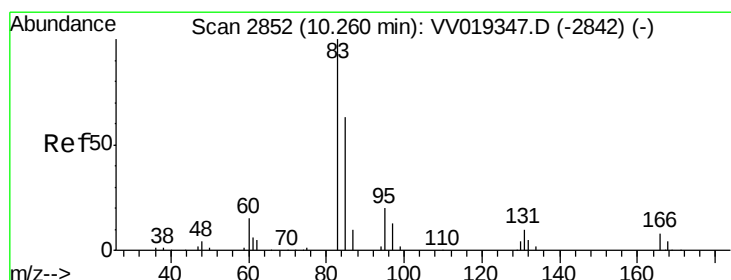
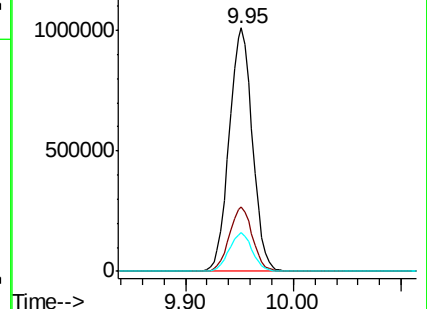
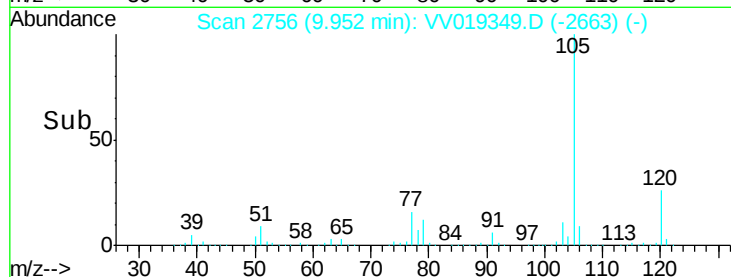
77 15.7 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 190.898 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

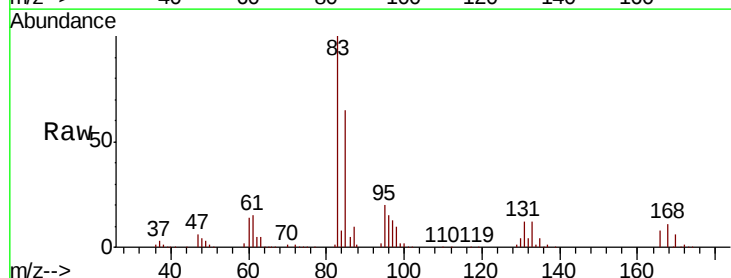
Tgt Ion: 83 Resp: 436796

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.9

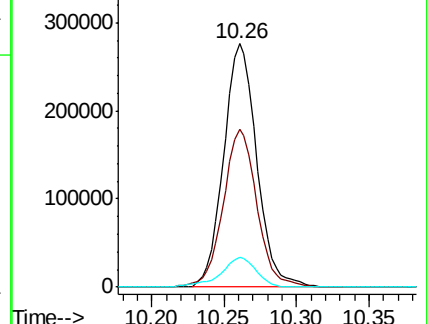
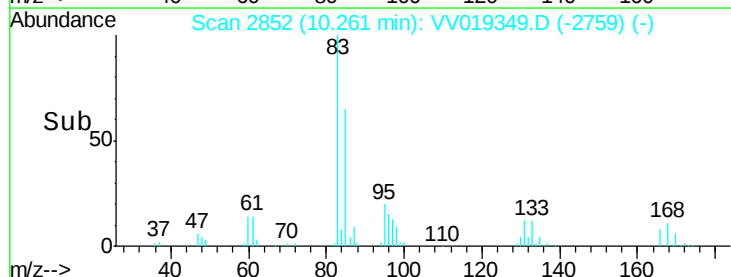
131 12.0 9.6 14.4

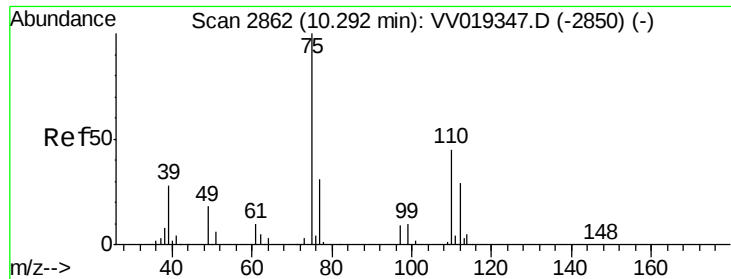


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

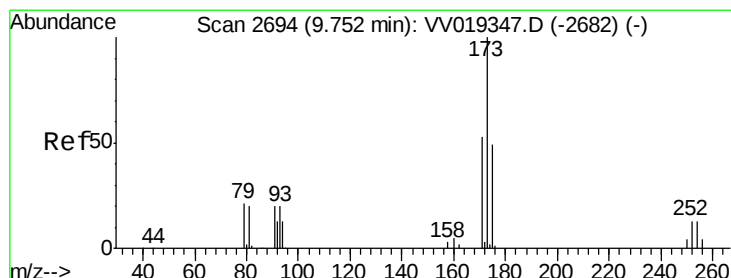
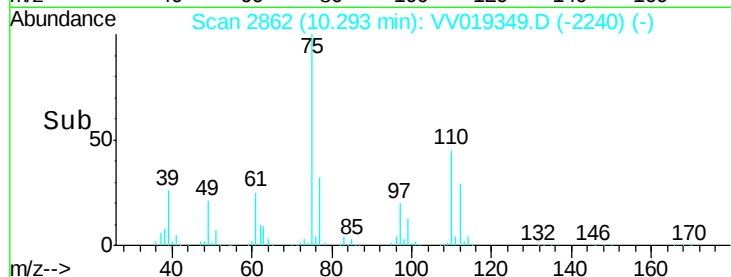
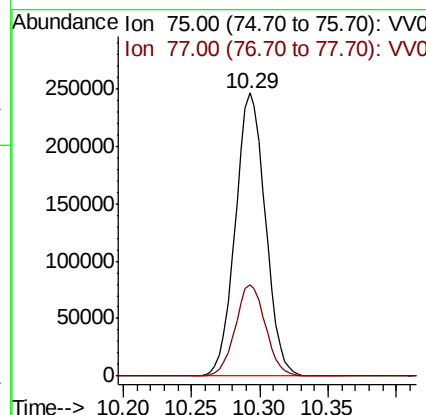
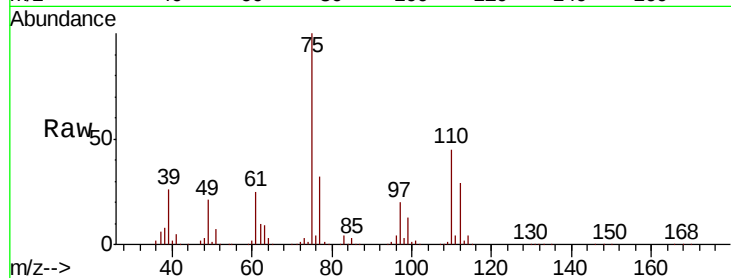




#59
 1,2,3-Trichloropropane
 Concen: 189.832 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VV019349.D
 Acq: 12 Nov 2020 12:57

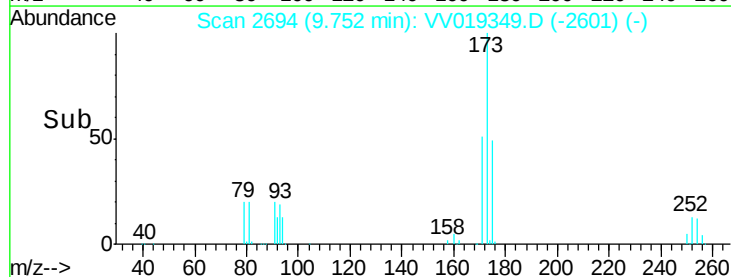
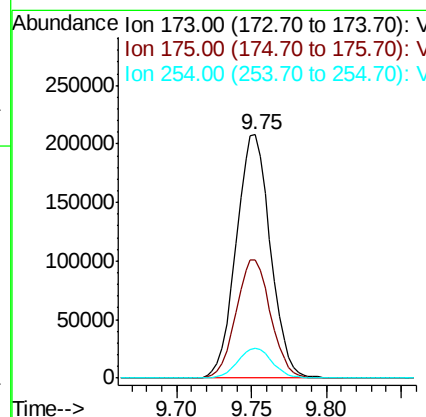
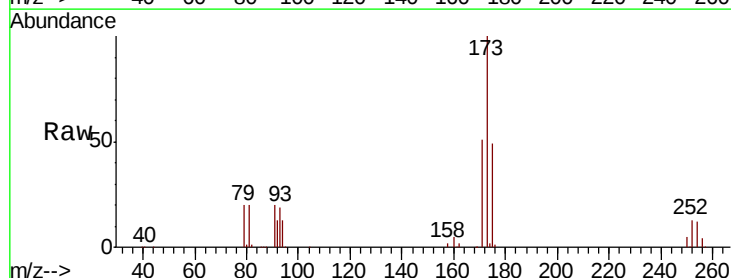
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

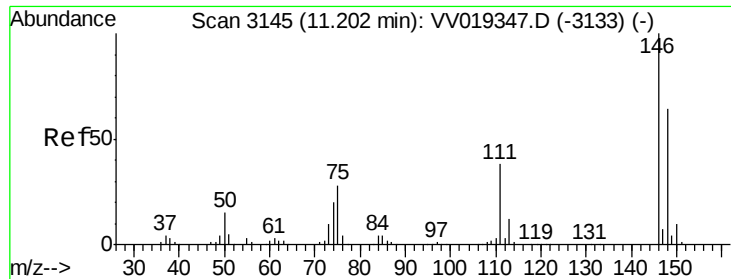
Tot Ion: 75 Resp: 376156
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.0 37.4



#61
 Bromoform
 Concen: 204.222 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV019349.D
 Acq: 12 Nov 2020 12:57

Tgt Ion: 173 Resp: 331768
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.3 57.5
 254 12.3 10.3 15.5





#62

1,3-Dichlorobenzene

Concen: 190.360 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

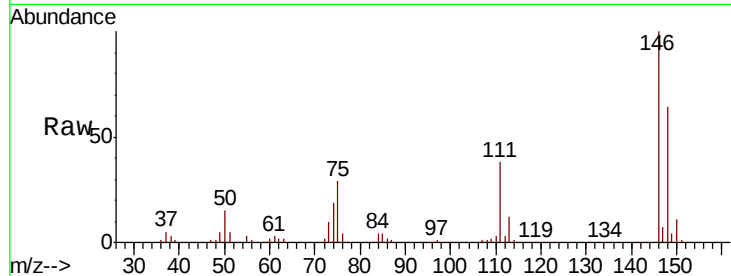
Tot Ion:146 Resp: 782283

Ion Ratio Lower Upper

146 100

111 38.1 26.5 49.3

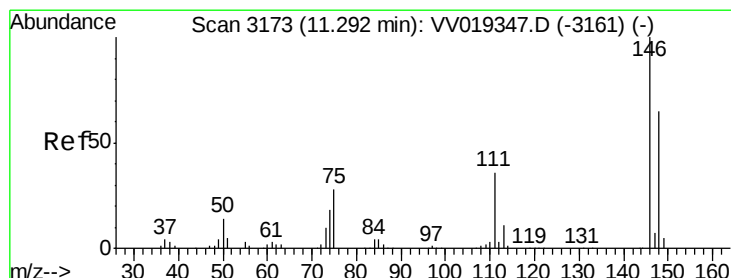
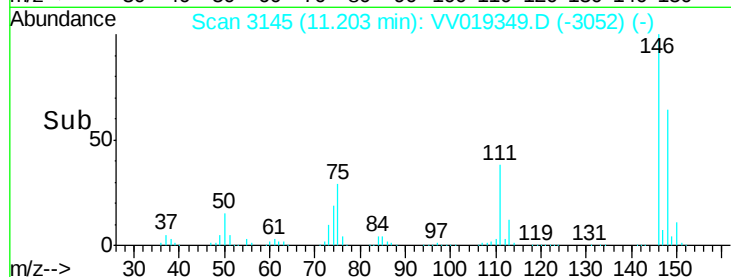
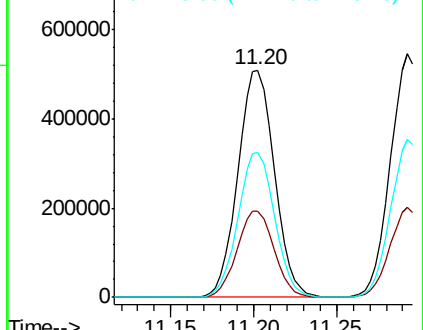
148 64.0 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 188.903 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

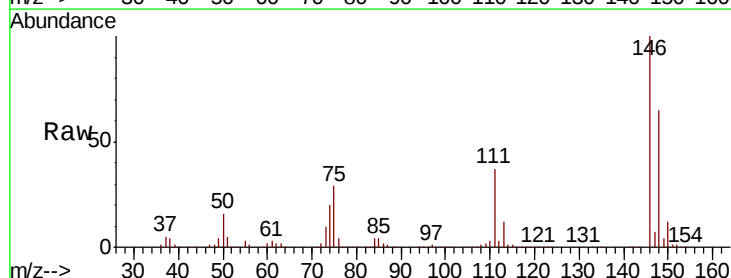
Tgt Ion:146 Resp: 804895

Ion Ratio Lower Upper

146 100

111 37.0 25.1 46.7

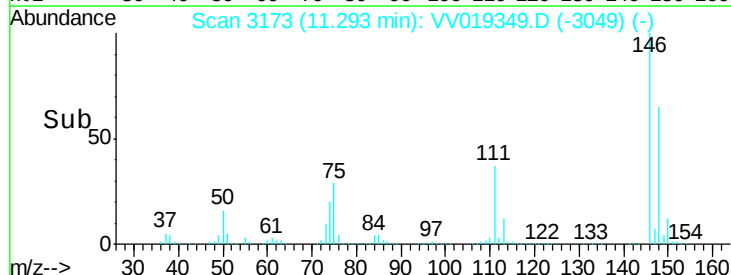
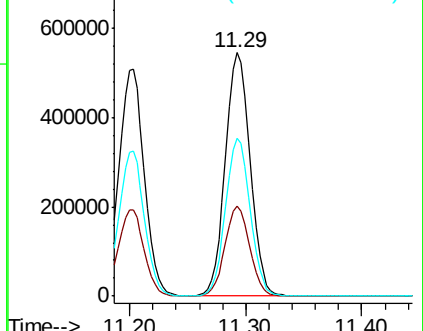
148 64.8 45.4 84.4

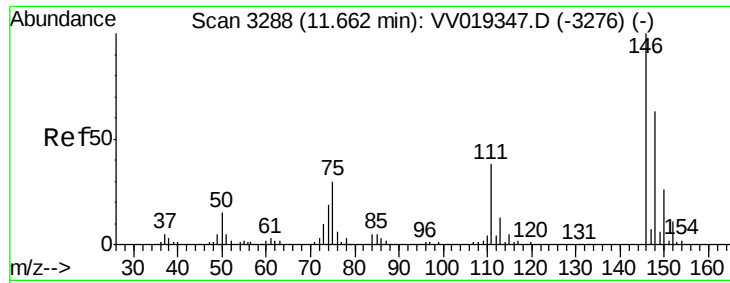


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 191.364 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

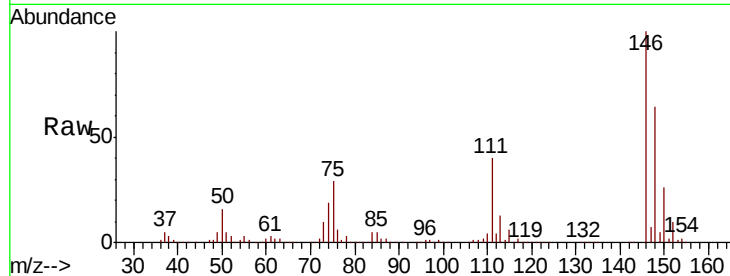
Tot Ion:146 Resp: 782333

Ion Ratio Lower Upper

146 100

111 40.0 30.6 45.8

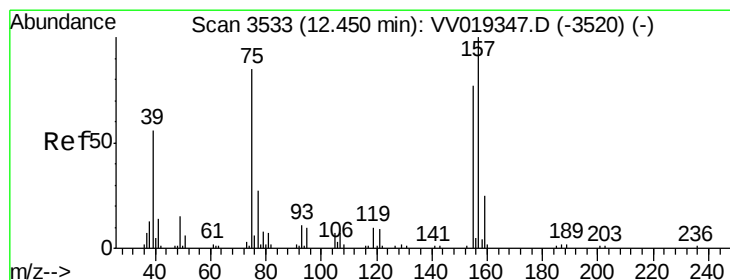
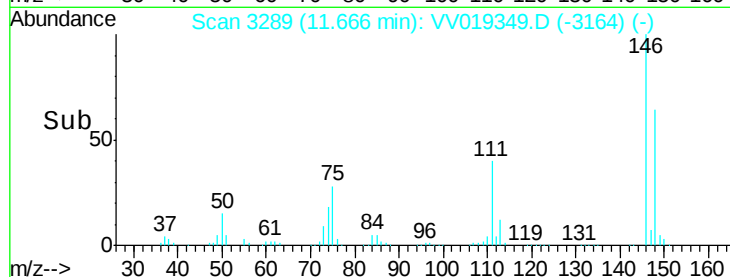
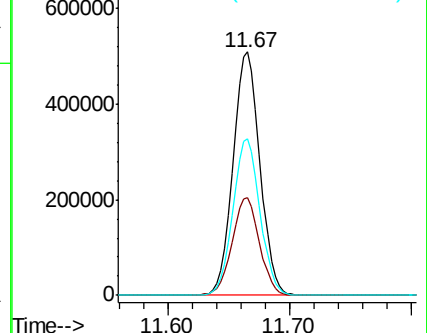
148 64.2 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 185.199 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

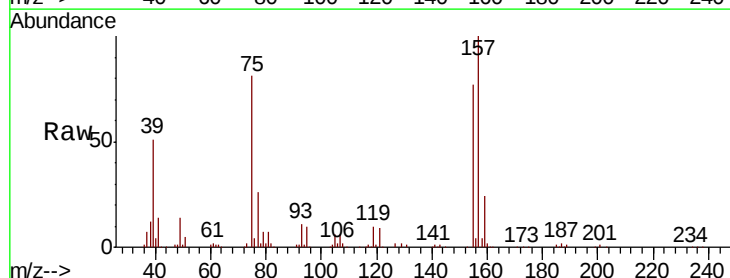
Tgt Ion: 75 Resp: 126835

Ion Ratio Lower Upper

75 100

155 95.5 72.2 108.2

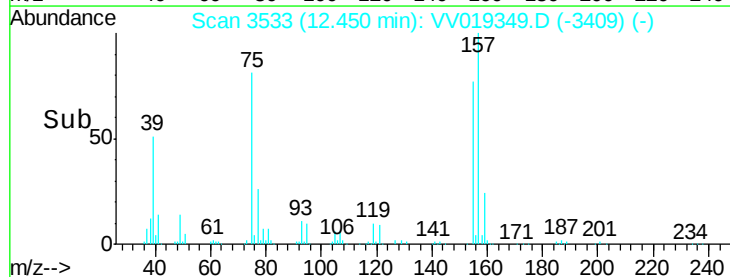
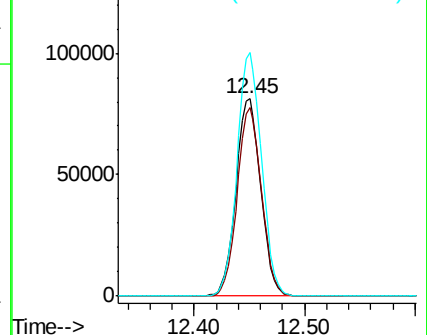
157 123.4 94.1 141.1

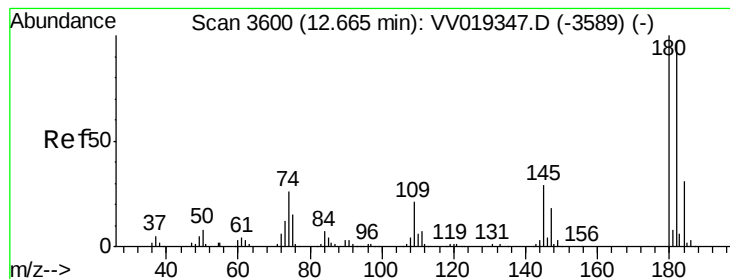


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 197.482 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

Tot Ion:180 Resp: 599837

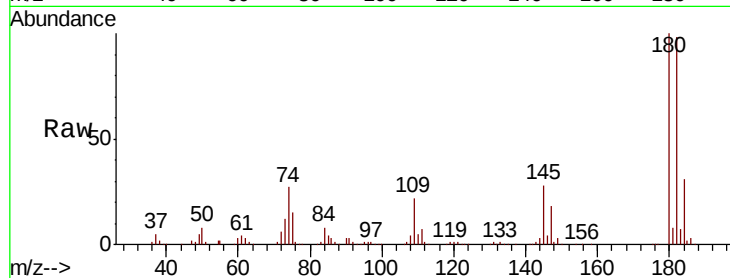
Ion Ratio Lower Upper

180 100

182 97.4 76.5 114.7

184 30.8 24.6 36.8

145 28.2 22.4 33.6

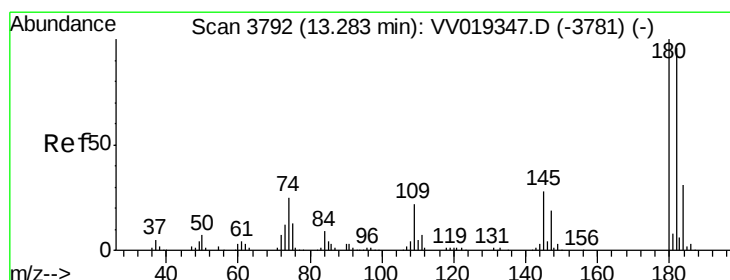
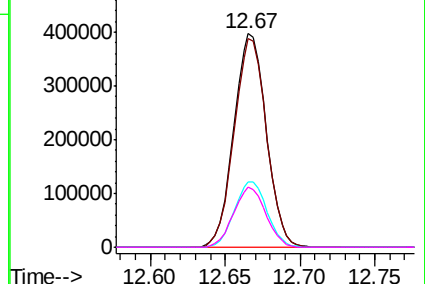
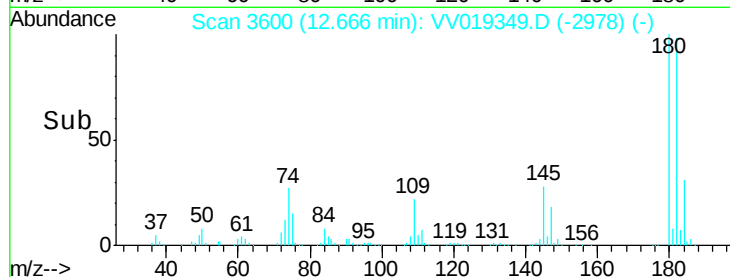


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 207.173 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

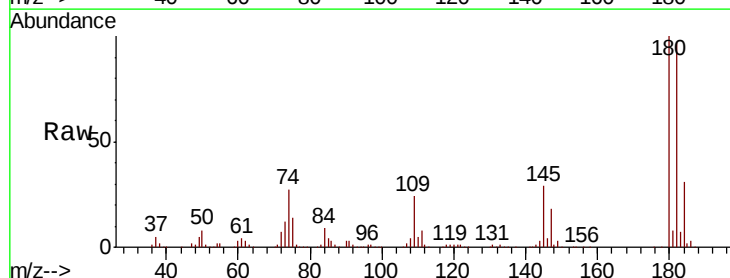
Tgt Ion:180 Resp: 586289

Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.4

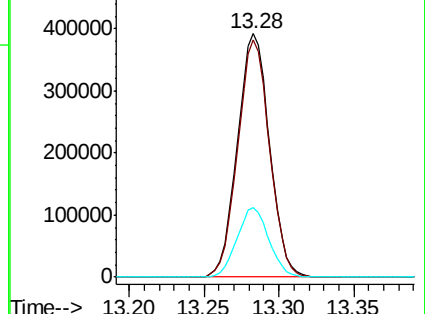
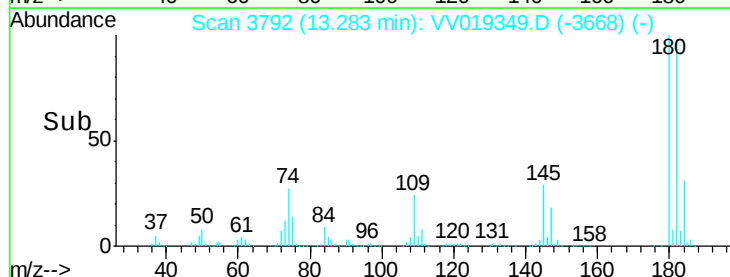
145 28.3 22.5 33.7

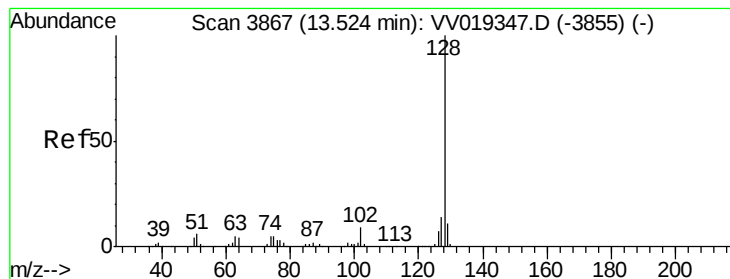


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 199.782 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

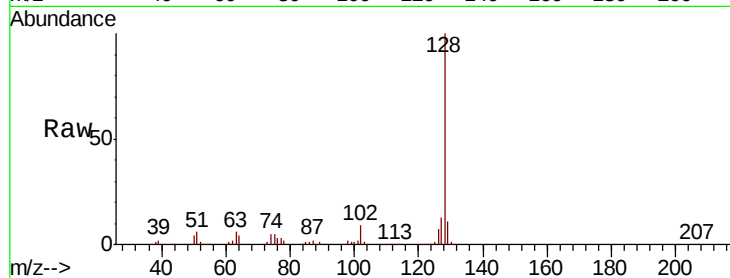
Tot Ion:128 Resp: 1530845

Ion Ratio Lower Upper

128 100

127 13.3 10.9 16.3

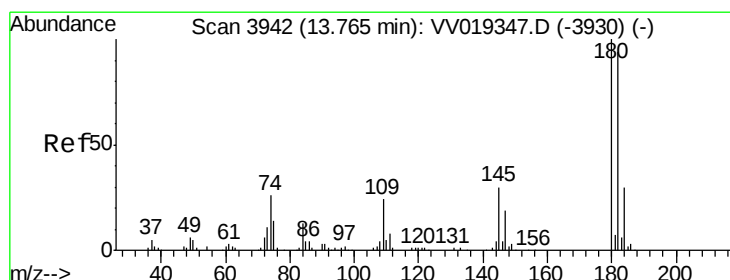
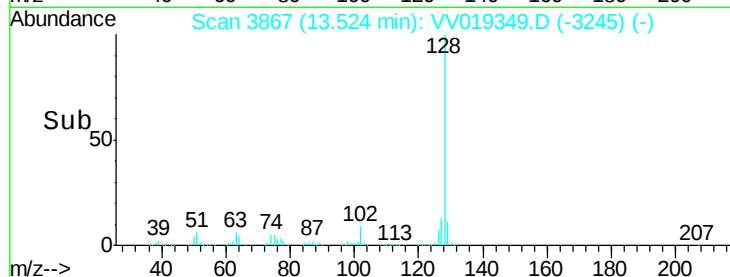
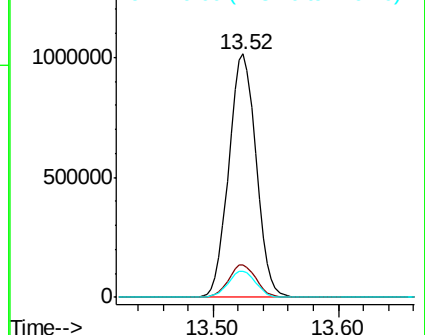
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 206.888 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019349.D

Acq: 12 Nov 2020 12:57

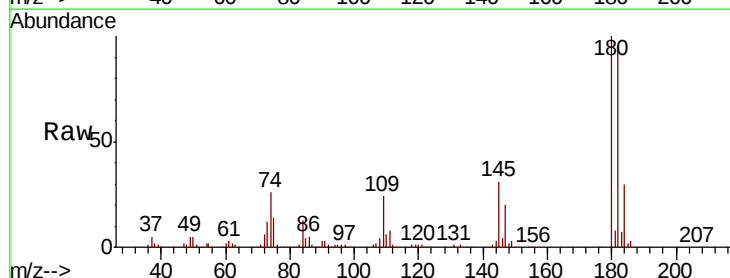
Tgt Ion:180 Resp: 576767

Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

145 30.6 24.2 36.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

