

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030920\
 Data File : VV014767.D
 Acq On : 09 Mar 2020 10:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Quant Time: Mar 10 14:22:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:28:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	454913	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	447795	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	245425	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137273	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.18%
7) Chloroethane-d5	1.58	69	110689	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.96%
11) 1,1-Dichloroethene-d2	2.12	63	232370	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.84%
21) 2-Butanone-d5	3.93	46	202314	88.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.11%
24) Chloroform-d	4.37	84	283471	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
26) 1,2-Dichloroethane-d4	5.06	65	185197	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
32) Benzene-d6	5.07	84	583061	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.09	67	180834	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.28%
41) Toluene-d8	7.33	98	572993	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%
43) trans-1,3-Dichloropropene-	7.64	79	95910	50.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.26%
47) 2-Hexanone-d5	8.11	63	161418	92.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.77%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	253392	47.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.02%
64) 1,2-Dichlorobenzene-d4	11.64	152	240768	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	224448	49.92	ug/L	100
3) Chloromethane	1.25	50	174766	44.13	ug/L	98
5) Vinyl chloride	1.32	62	165061	44.98	ug/L	98
6) Bromomethane	1.53	94	106305	46.68	ug/L	98
8) Chloroethane	1.60	64	92686	46.99	ug/L	99
9) Trichlorofluoromethane	1.76	101	242553	49.43	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	124308	49.21	ug/L	98
12) 1,1-Dichloroethene	2.13	96	115740	46.83	ug/L	98
13) Acetone	2.22	43	231749	120.89	ug/L	98
14) Carbon disulfide	2.31	76	400034	48.96	ug/L	100
15) Methyl Acetate	2.46	43	157188	43.65	ug/L	95
16) Methylene chloride	2.52	84	162465	48.41	ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	154021	50.45	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	491902	49.22	ug/L	99
19) 1,1-Dichloroethane	3.21	63	282391	47.36	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	169949	49.77	ug/L	93
22) 2-Butanone	4.01	43	277668	109.80	ug/L	95

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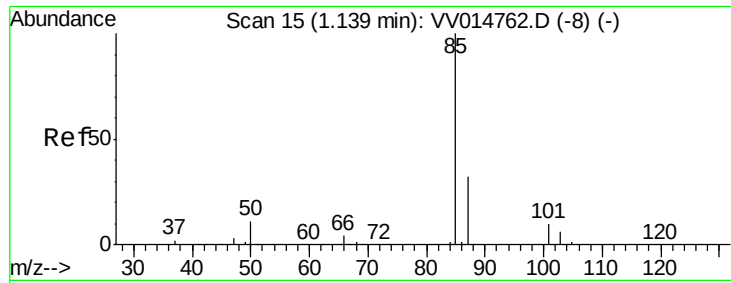
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	87312	50.23	ug/L	95
25) Chloroform	4.40	83	306672	49.64	ug/L	100
27) 1,2-Dichloroethane	5.15	62	231552	48.36	ug/L	99
29) Cyclohexane	4.70	56	267833	49.09	ug/L	92
30) 1,1,1-Trichloroethane	4.63	97	264165	50.88	ug/L	99
31) Carbon tetrachloride	4.85	117	237937	53.96	ug/L	100
33) Benzene	5.12	78	646033	49.80	ug/L	100
34) Trichloroethene	5.94	95	169233	49.92	ug/L	95
35) Methylcyclohexane	6.15	83	289697	51.77	ug/L	96
37) 1,2-Dichloropropane	6.20	63	164785	47.01	ug/L	98
38) Bromodichloromethane	6.53	83	226054	50.69	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	283890	51.67	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	448493	88.28	ug/L #	96
42) Toluene	7.41	91	722403	50.48	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	254152	50.74	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	158561	49.11	ug/L	97
46) Tetrachloroethene	8.00	164	151428	54.59	ug/L	97
48) 2-Hexanone	8.16	43	382646	95.77	ug/L #	96
49) Dibromochloromethane	8.27	129	184626	52.47	ug/L	98
50) 1,2-Dibromoethane	8.37	107	174079	49.88	ug/L	100
51) Chlorobenzene	8.90	112	476902	51.79	ug/L	97
52) Ethylbenzene	9.03	91	824662	51.15	ug/L	99
53) m,p-Xylene	9.16	106	318593	52.65	ug/L	97
54) o-xylene	9.56	106	312465	52.57	ug/L	95
55) Styrene	9.58	104	535290	52.67	ug/L	99
56) Isopropylbenzene	9.95	105	828403	52.04	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	265469	47.74	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	213152	47.61	ug/L	99
61) Bromoform	9.75	173	136342	51.21	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	406925	51.27	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	408448	51.08	ug/L	100
65) 1,2-Dichlorobenzene	11.66	146	399981	50.62	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	62516	46.62	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	323144	52.65	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	292933	51.92	ug/L	99
69) Naphthalene	13.52	128	416486	49.04	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	288991	51.39	ug/L	99

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

```
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#2

Dichlorodifluoromethane

Concen: 49.92 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

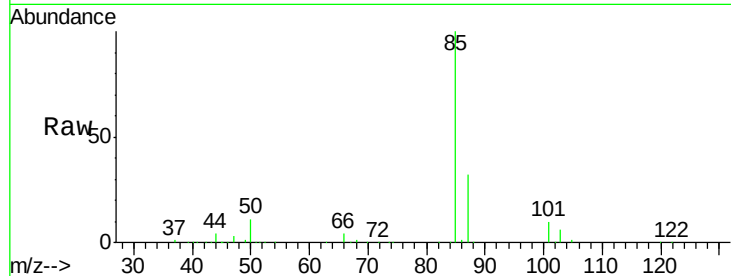
VSTD05078

Tgt Ion: 85 Resp: 224448

Ion Ratio Lower Upper

85 100

87 32.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

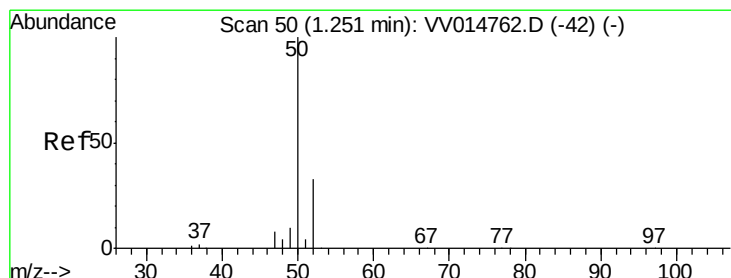
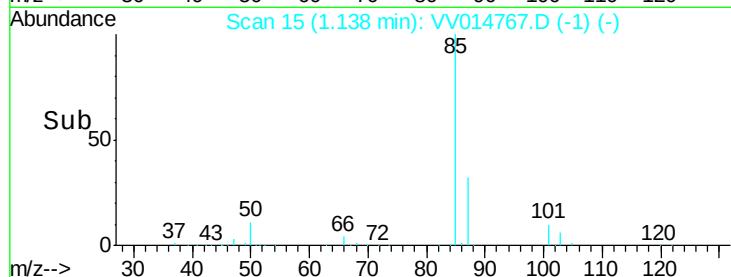
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.13 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV014767.D

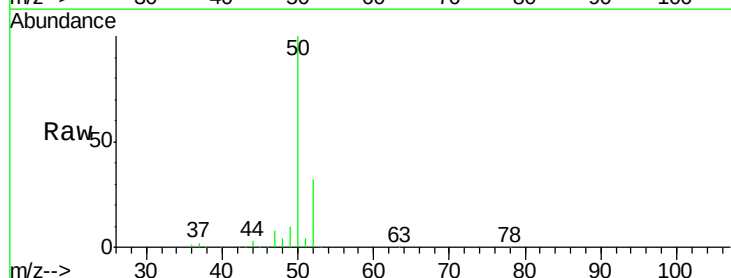
Acq: 09 Mar 2020 10:11

Tgt Ion: 50 Resp: 174766

Ion Ratio Lower Upper

50 100

52 31.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

200000

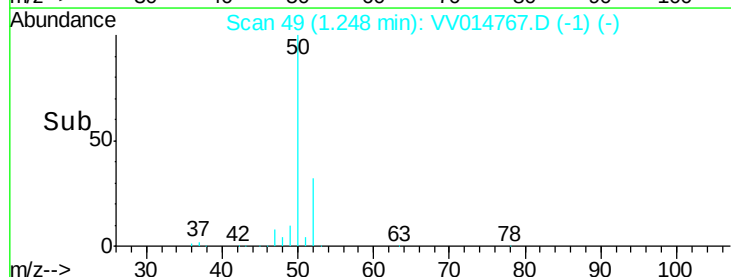
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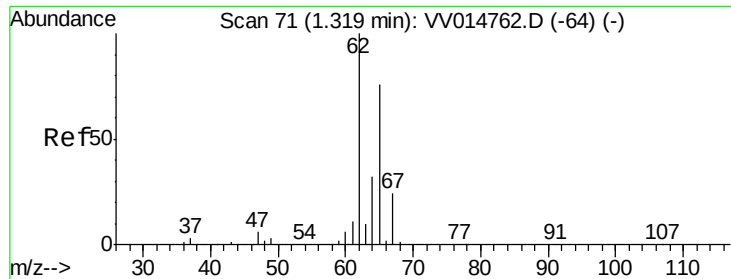
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 44.98 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

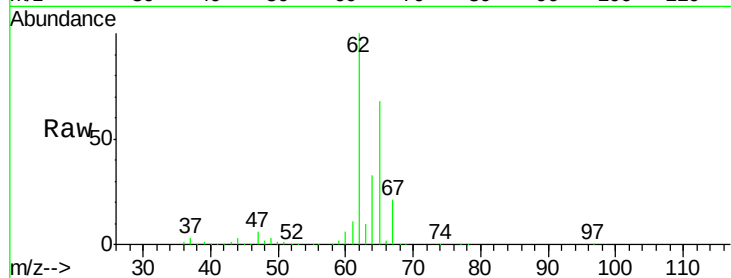
VSTD05078

Tgt Ion: 62 Resp: 165061

Ion Ratio Lower Upper

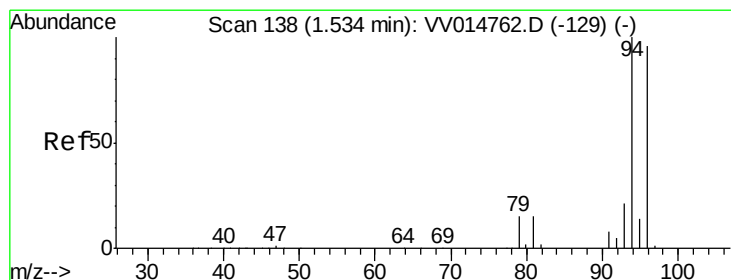
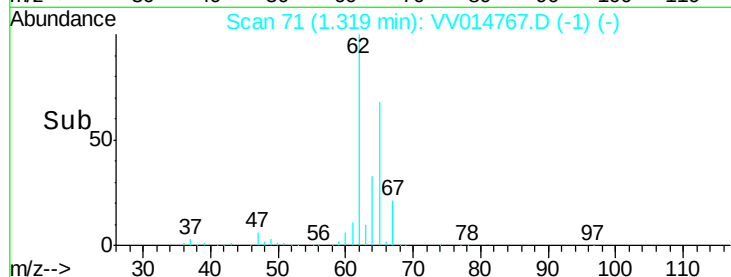
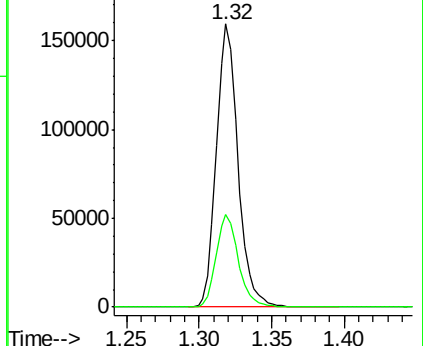
62 100

64 32.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 46.68 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV014767.D

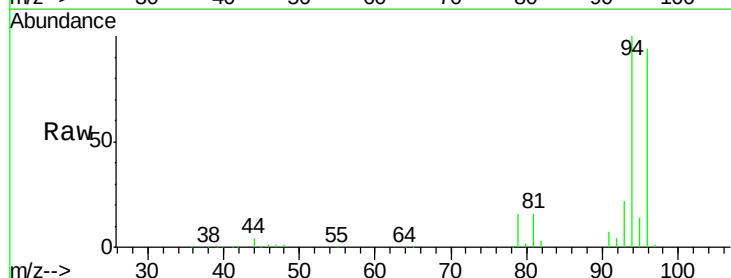
Acq: 09 Mar 2020 10:11

Tgt Ion: 94 Resp: 106305

Ion Ratio Lower Upper

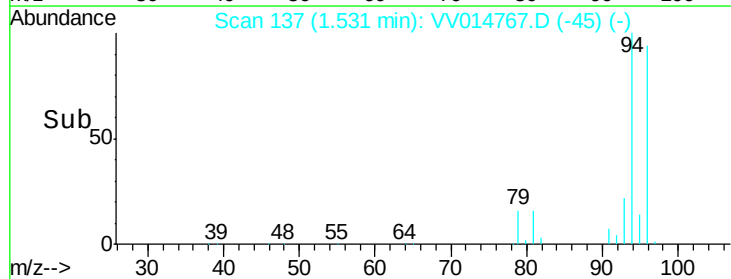
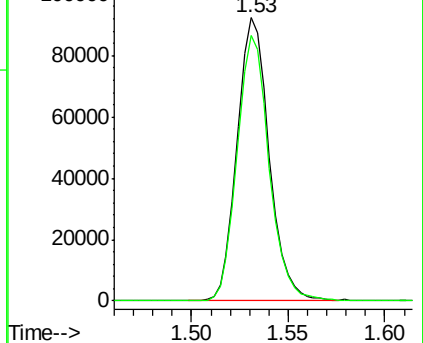
94 100

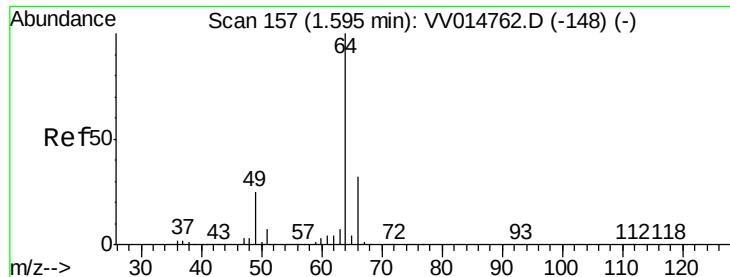
96 93.8 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 46.99 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

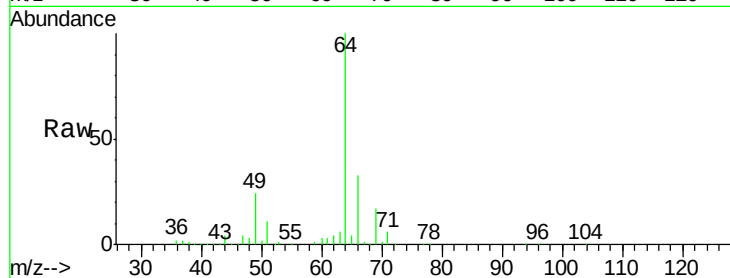
VSTD05078

Tgt Ion: 64 Resp: 92686

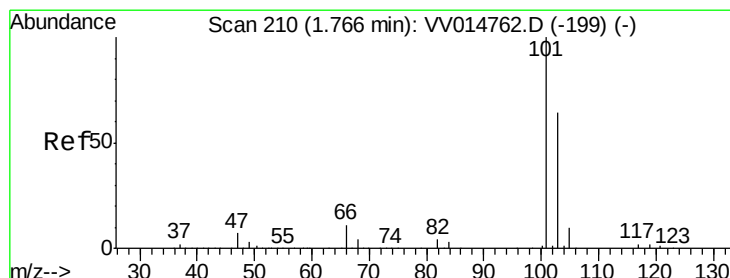
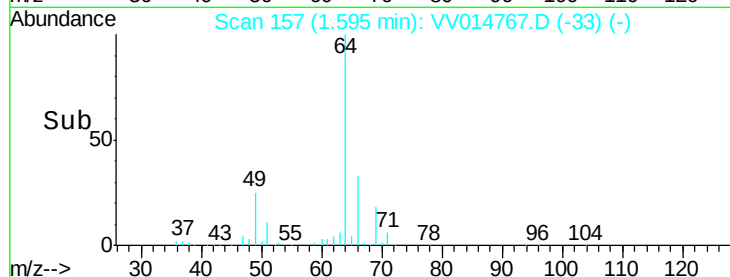
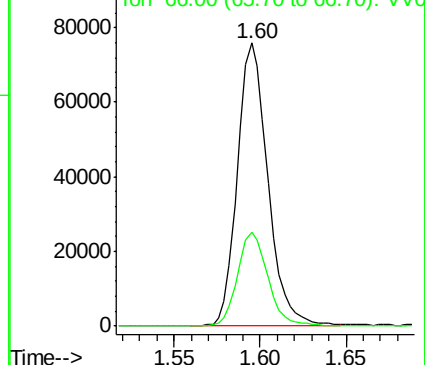
Ion Ratio Lower Upper

64 100

66 33.0 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV014767.D (-157) (-)



#9

Trichlorofluoromethane

Concen: 49.43 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV014767.D

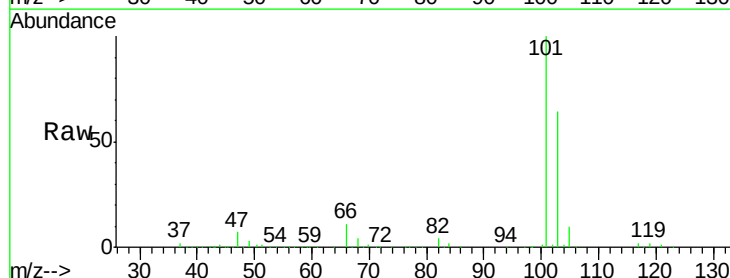
Acq: 09 Mar 2020 10:11

Tgt Ion: 101 Resp: 242553

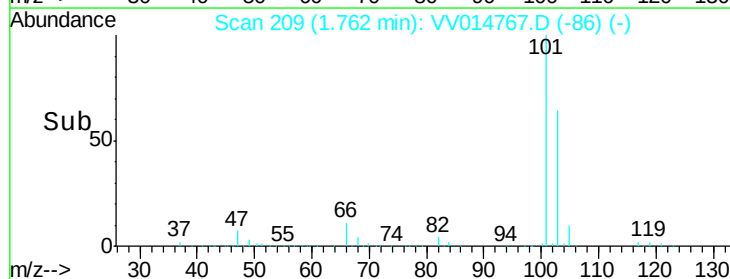
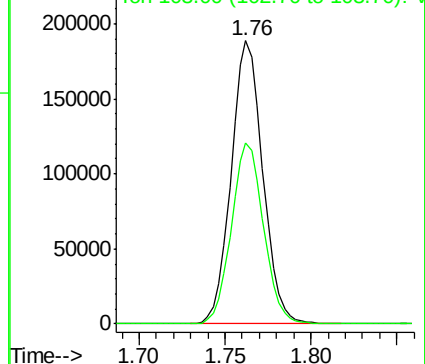
Ion Ratio Lower Upper

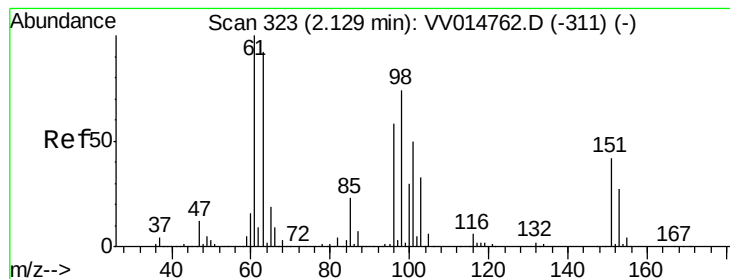
101 100

103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014767.D (-209) (-)





#10

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

Concen: 49.21 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

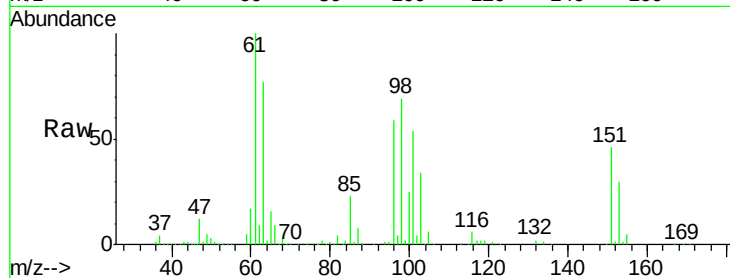
Tgt Ion: 101 Resp: 124308

Ion Ratio Lower Upper

101 100

85 42.6 35.0 52.6

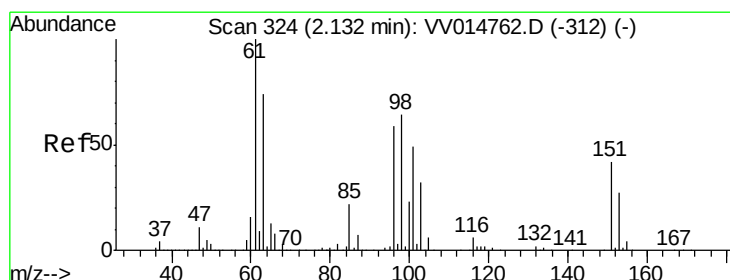
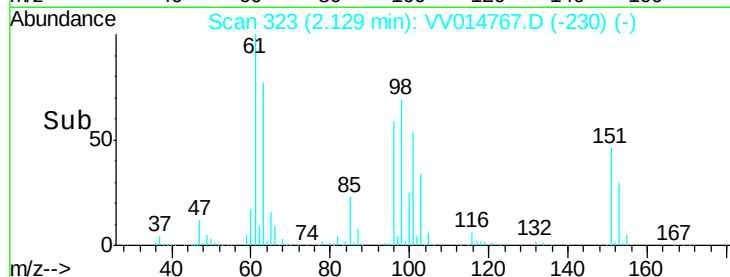
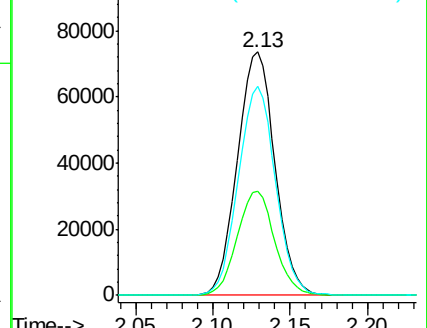
151 85.1 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.83 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

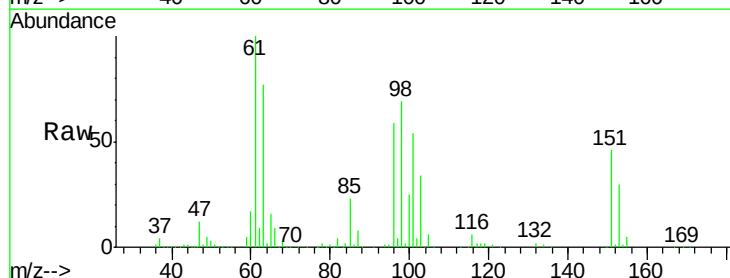
Tgt Ion: 96 Resp: 115740

Ion Ratio Lower Upper

96 100

61 170.4 118.4 220.0

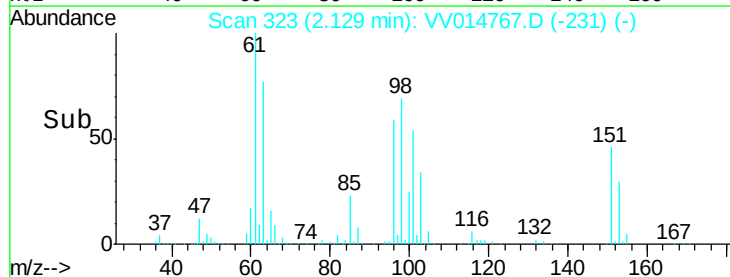
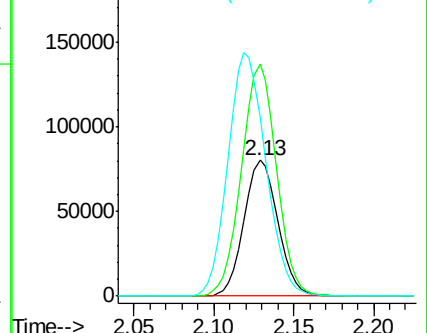
63 131.1 88.4 164.2

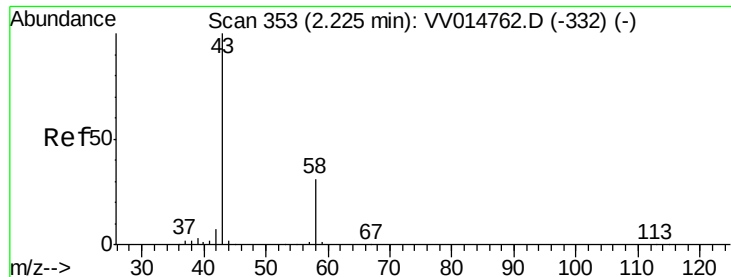


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 120.89 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

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Acq: 09 Mar 2020 10:11

Instrument :

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ClientSampleId :

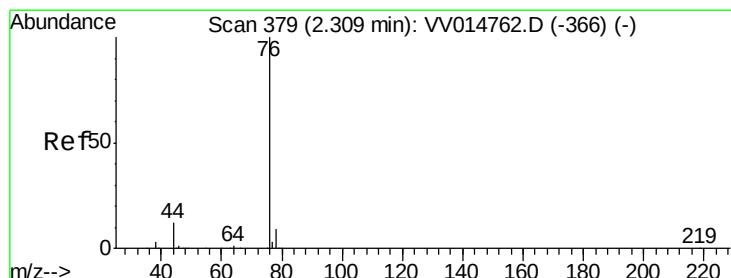
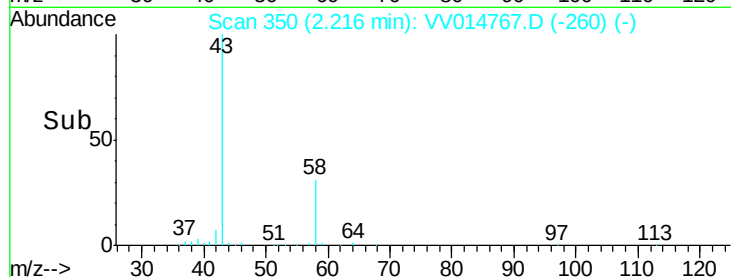
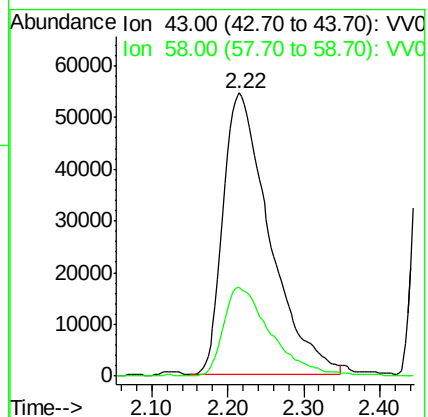
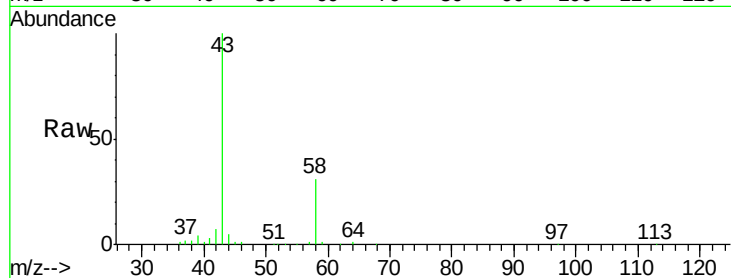
VSTD05078

Tgt Ion: 43 Resp: 231749

Ion Ratio Lower Upper

43 100

58 32.0 0.0 62.2



#14

Carbon disulfide

Concen: 48.96 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV014767.D

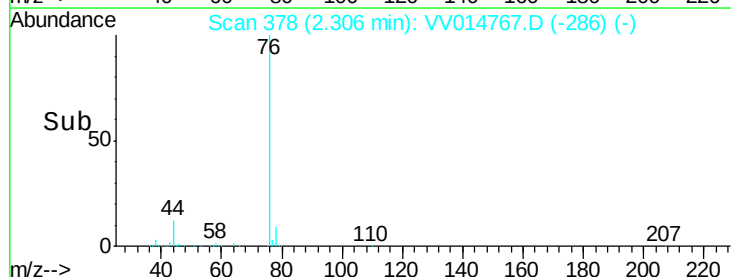
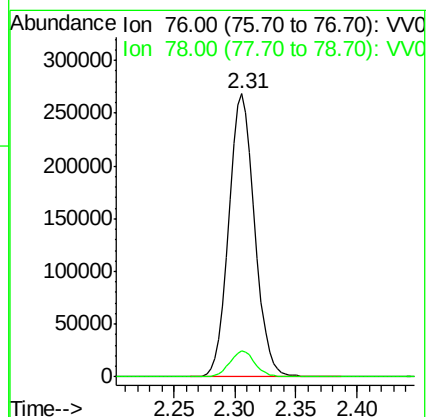
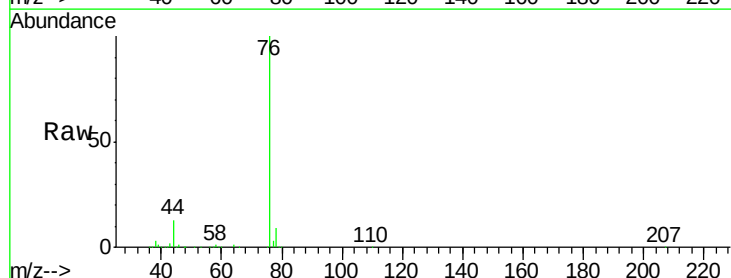
Acq: 09 Mar 2020 10:11

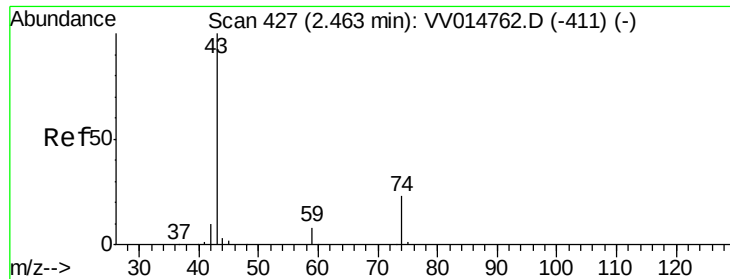
Tgt Ion: 76 Resp: 400034

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

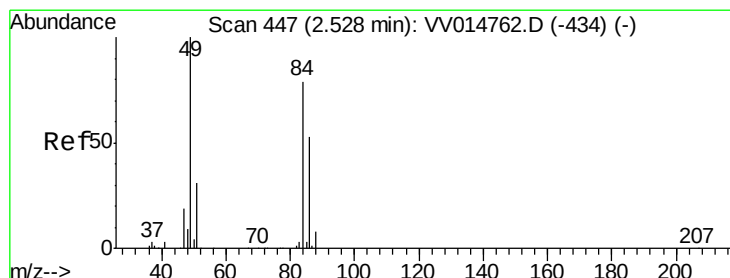
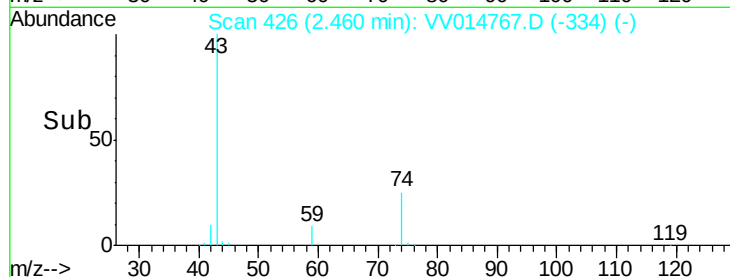
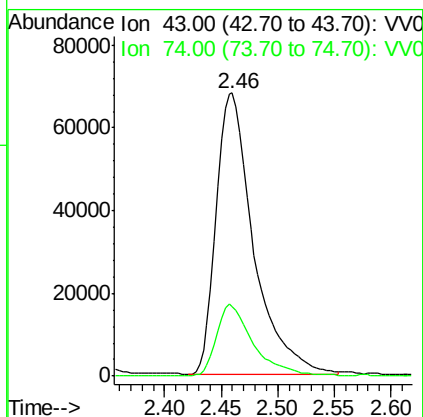
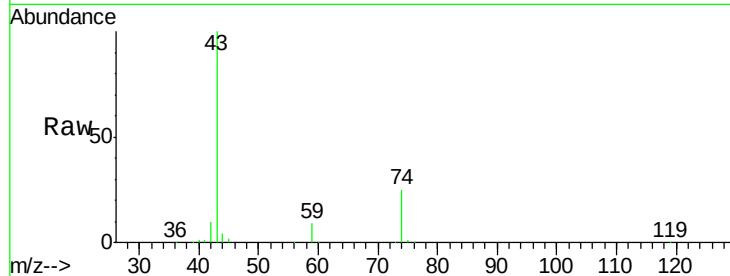




#15
Methyl Acetate
Concen: 43.65 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

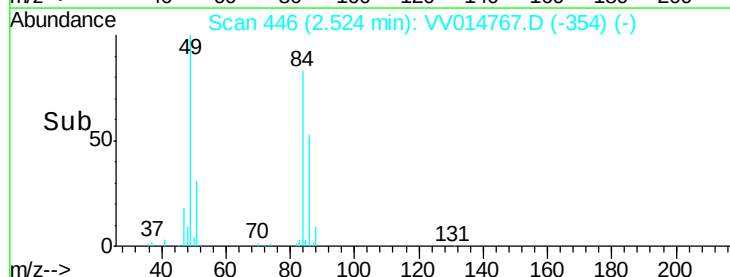
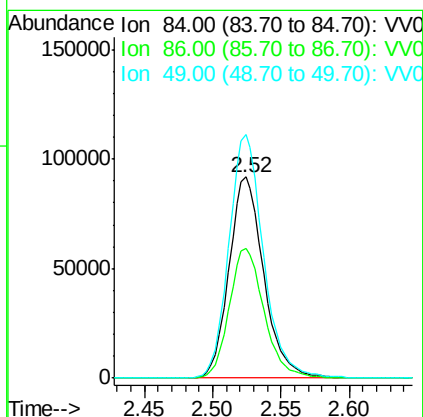
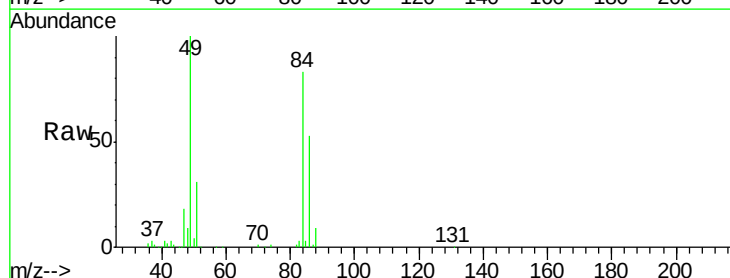
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

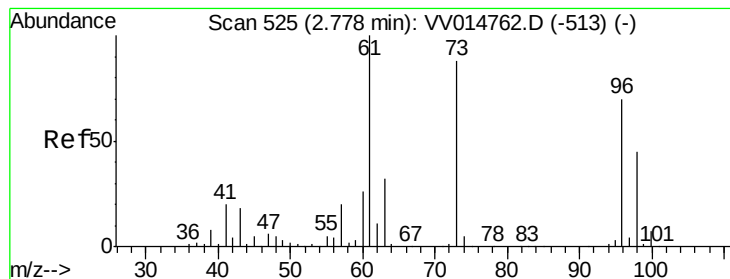
Tgt Ion: 43 Resp: 157188
Ion Ratio Lower Upper
43 100
74 24.9 17.9 26.9



#16
Methylene chloride
Concen: 48.41 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

Tgt Ion: 84 Resp: 162465
Ion Ratio Lower Upper
84 100
86 64.3 47.3 87.9
49 120.9 88.7 164.7





#17

trans-1,2-Dichloroethene

Concen: 50.45 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

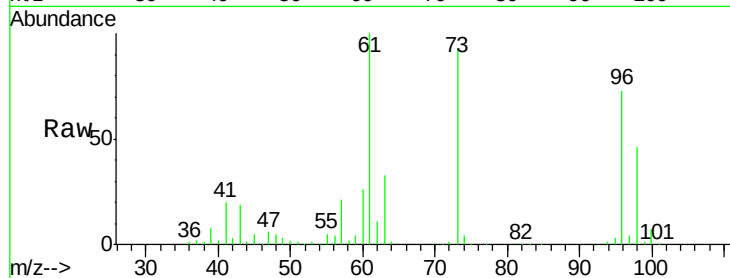
Tgt Ion: 96 Resp: 154021

Ion Ratio Lower Upper

96 100

61 136.9 100.5 186.7

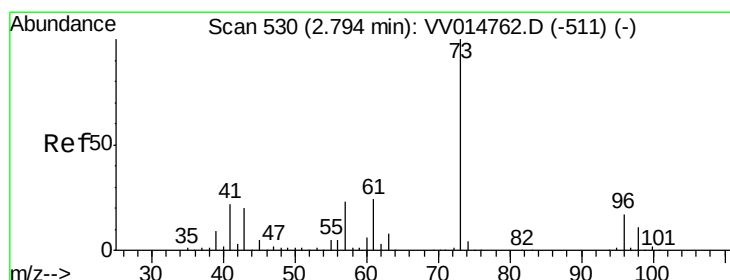
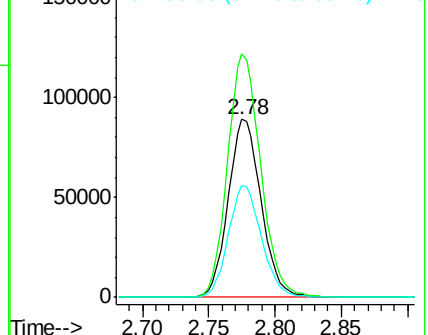
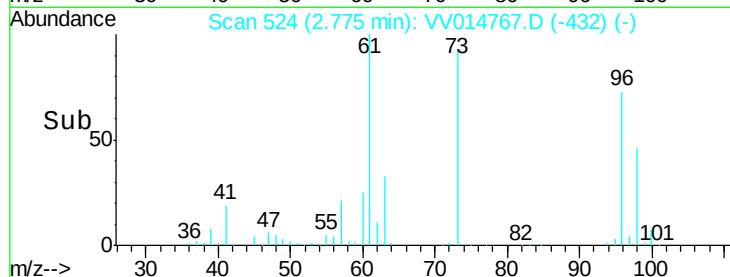
98 62.6 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.22 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

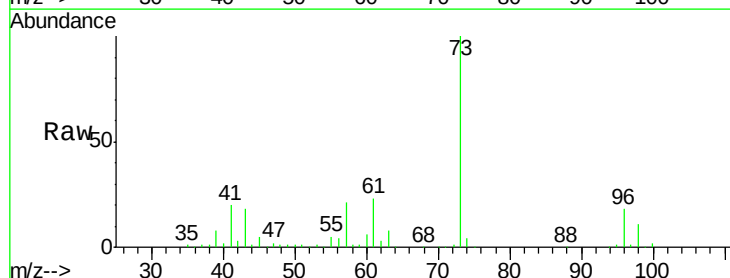
Tgt Ion: 73 Resp: 491902

Ion Ratio Lower Upper

73 100

43 19.2 15.9 23.9

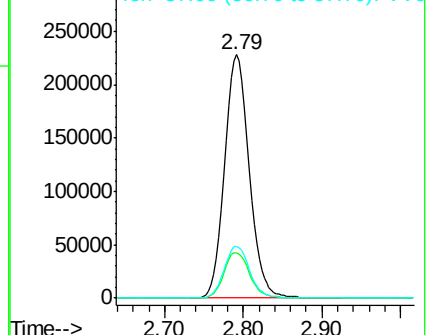
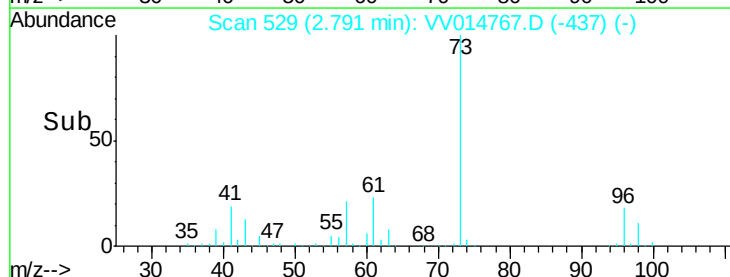
57 21.9 18.0 27.0

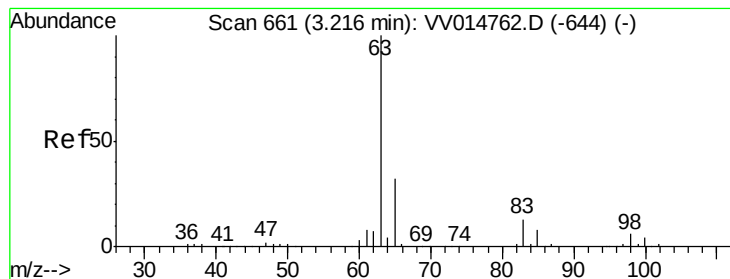


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 47.36 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

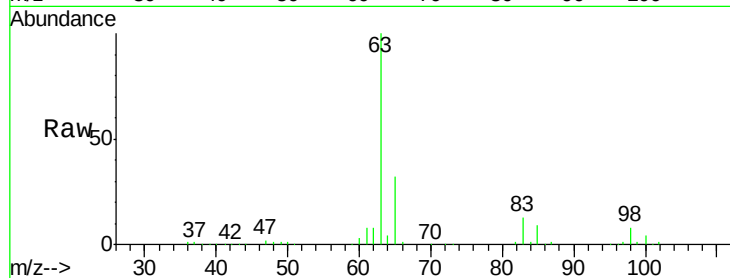
Tgt Ion: 63 Resp: 282391

Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.7

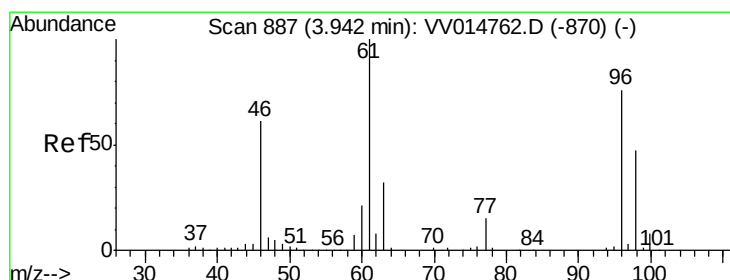
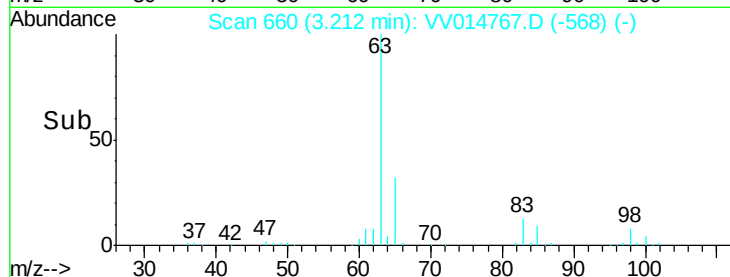
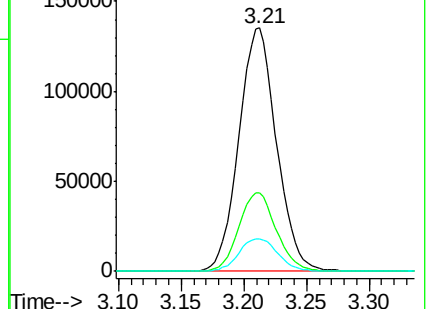
83 13.4 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 49.77 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

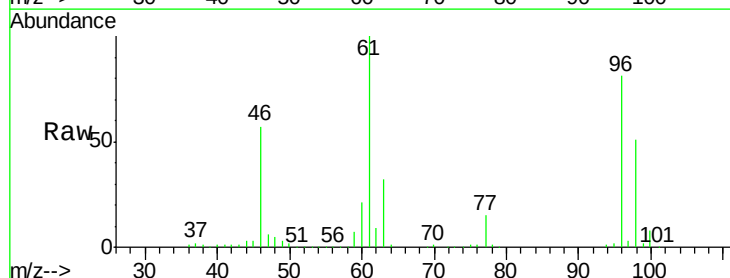
Tgt Ion: 96 Resp: 169949

Ion Ratio Lower Upper

96 100

61 123.5 92.2 171.2

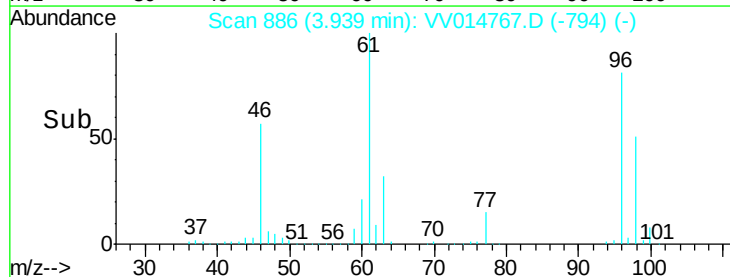
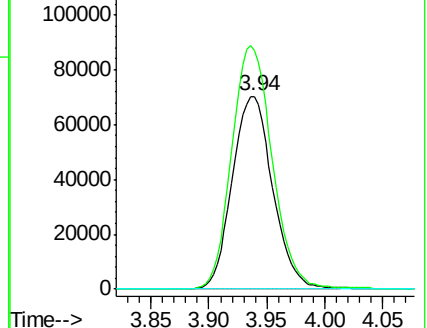
68 0.0 0.0 0.0

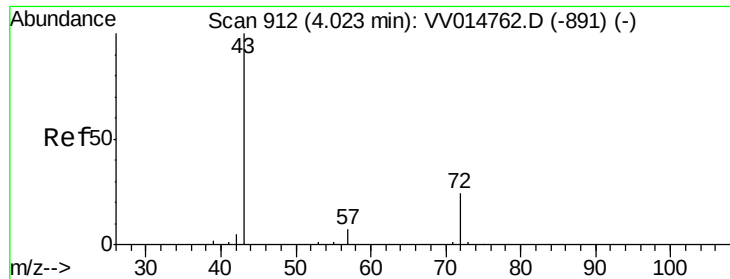


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 109.80 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.01 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

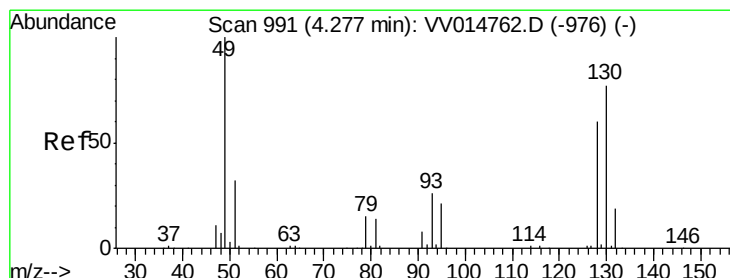
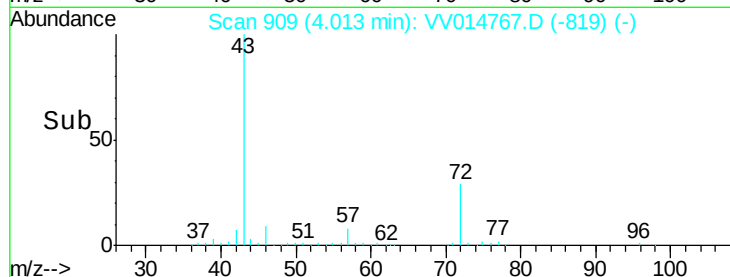
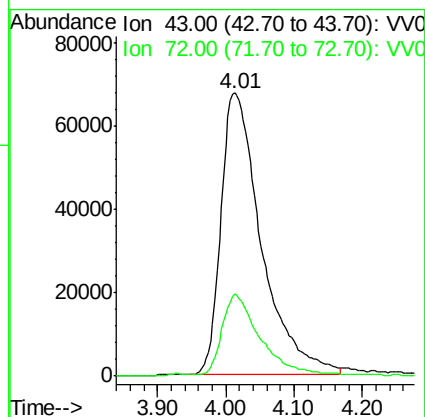
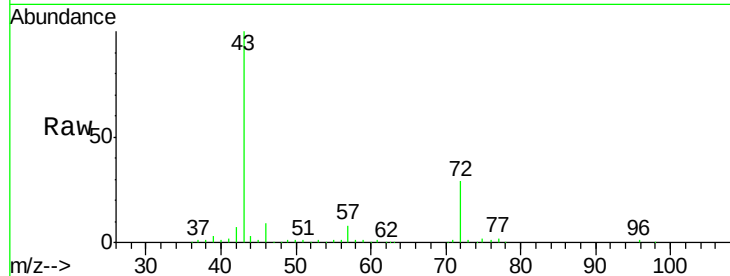
VSTD05078

Tgt Ion: 43 Resp: 277668

Ion Ratio Lower Upper

43 100

72 26.3 12.0 36.0



#23

Bromochloromethane

Concen: 50.23 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Tgt Ion: 128 Resp: 87312

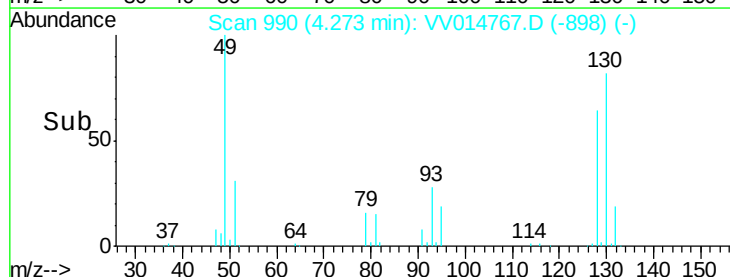
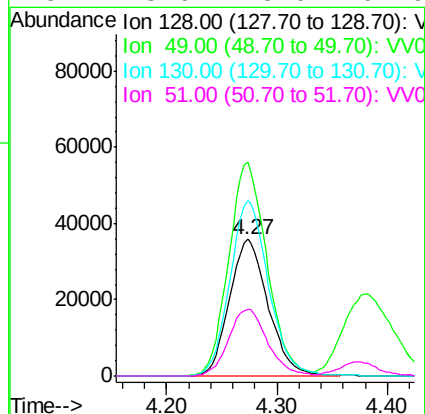
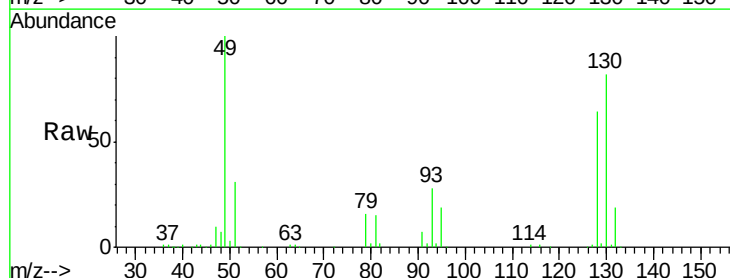
Ion Ratio Lower Upper

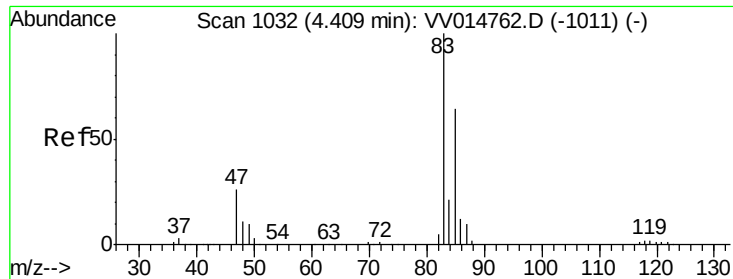
128 100

49 156.0 116.3 215.9

130 127.7 88.9 165.1

51 48.6 43.0 64.6

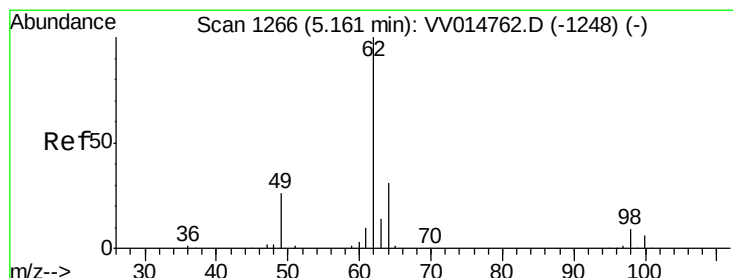
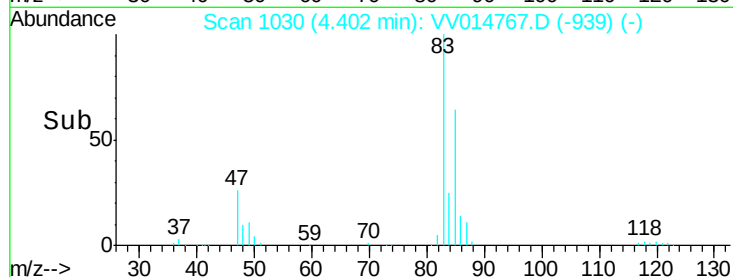
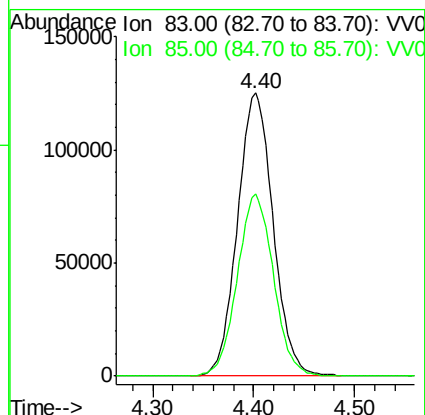
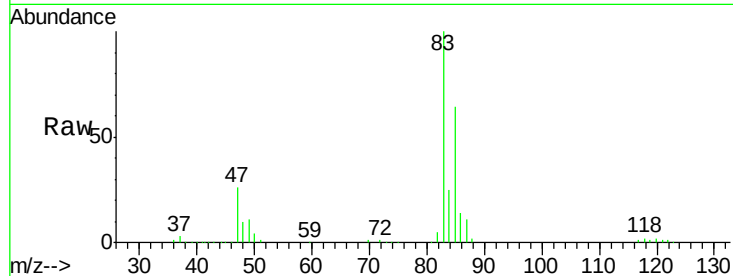




#25
Chloroform
Concen: 49.64 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

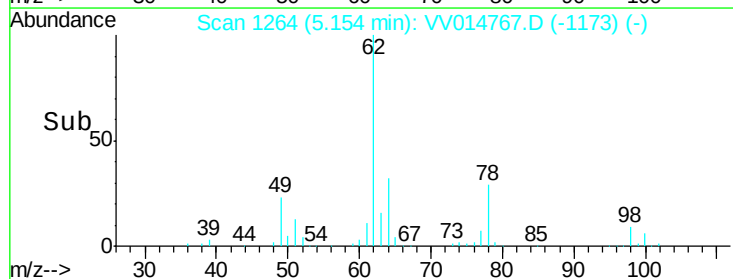
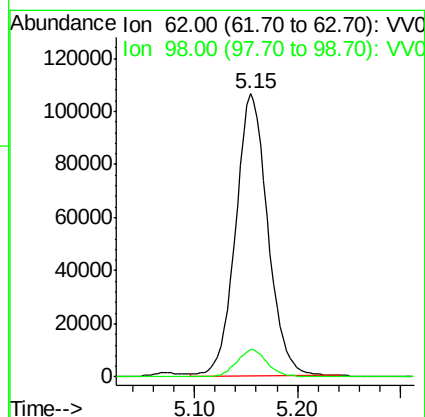
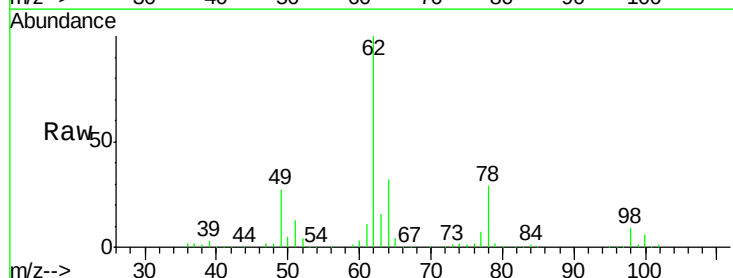
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

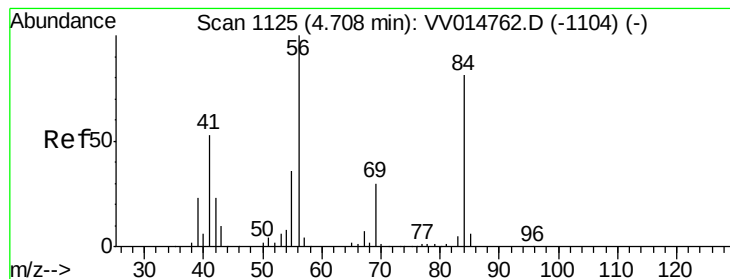
Tgt Ion: 83 Resp: 306672
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.36 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

Tgt Ion: 62 Resp: 231552
Ion Ratio Lower Upper
62 100
98 9.5 7.2 10.8

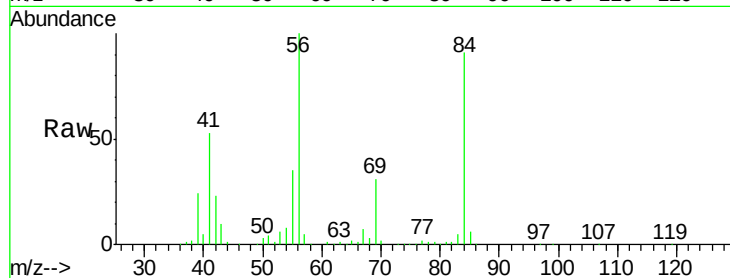




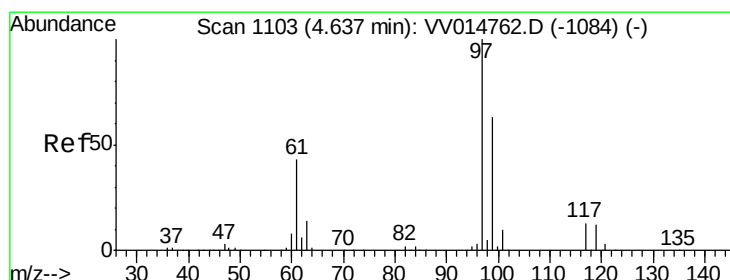
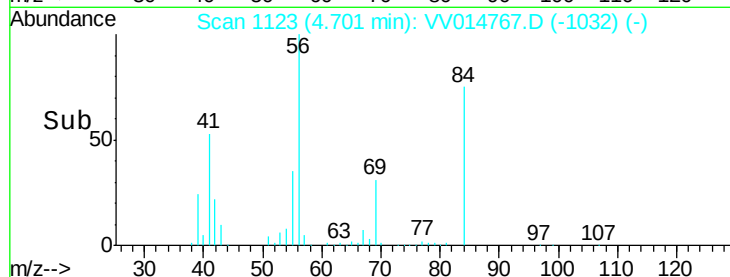
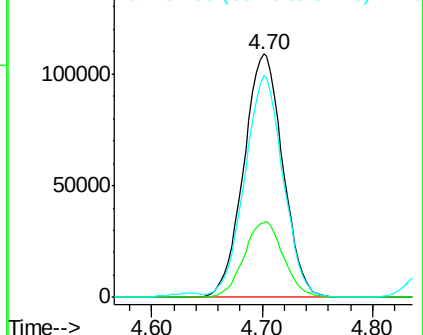
#29
Cyclohexane
Concen: 49.09 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

Tgt Ion: 56 Resp: 267833
Ion Ratio Lower Upper
56 100
69 31.3 23.5 35.3
84 89.8 65.3 97.9

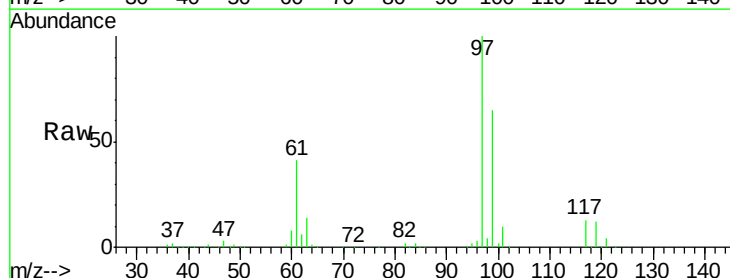


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

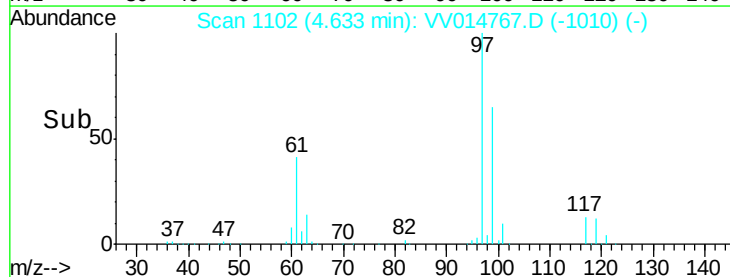
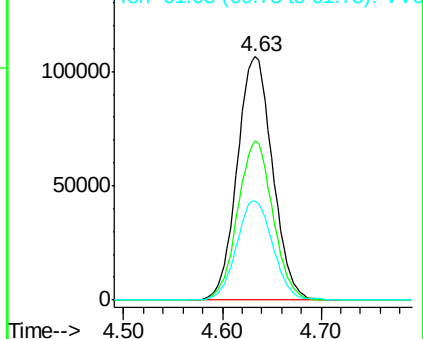


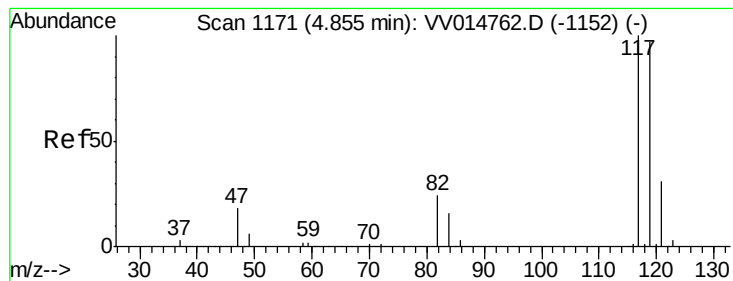
#30
1,1,1-Trichloroethane
Concen: 50.88 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

Tgt Ion: 97 Resp: 264165
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 41.6 34.6 52.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 53.96 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

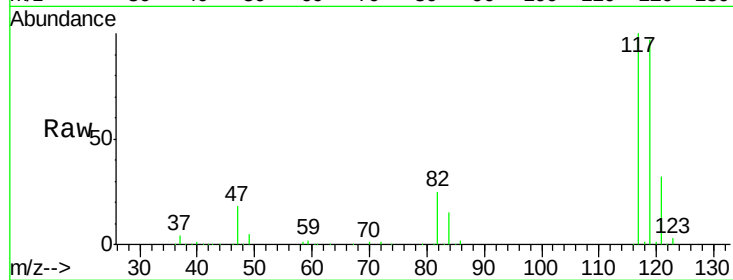
VSTD05078

Tgt Ion:117 Resp: 237937

Ion Ratio Lower Upper

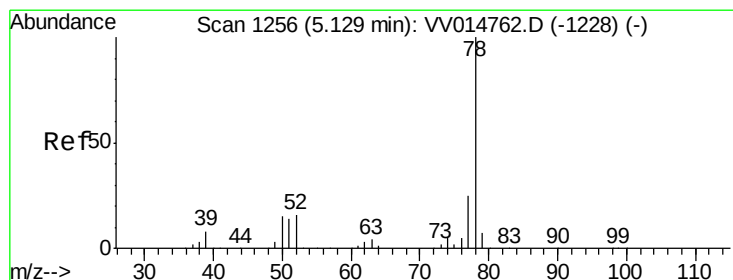
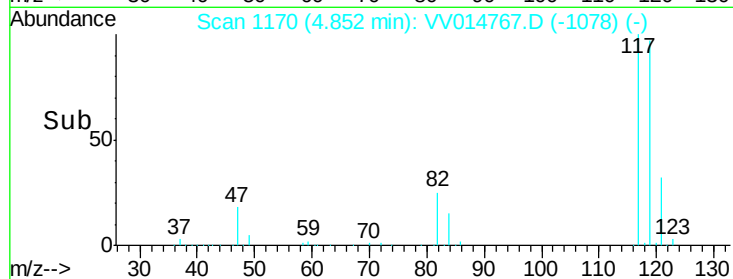
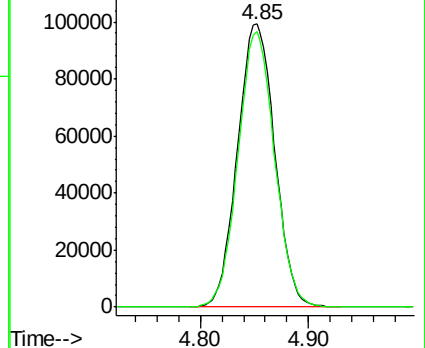
117 100

119 95.6 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.80 ug/L

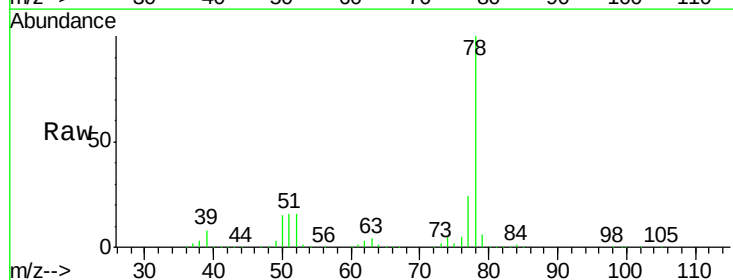
RT: 5.12 min Scan# 1254

Delta R.T. -0.01 min

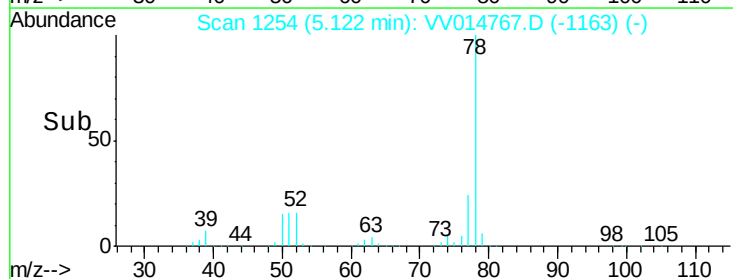
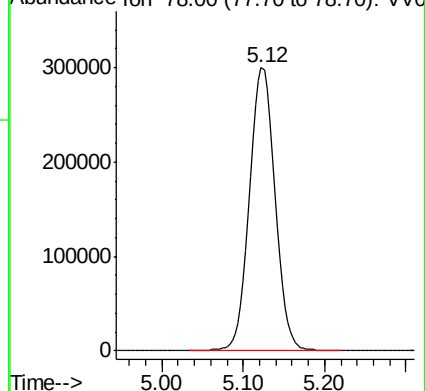
Lab File: VV014767.D

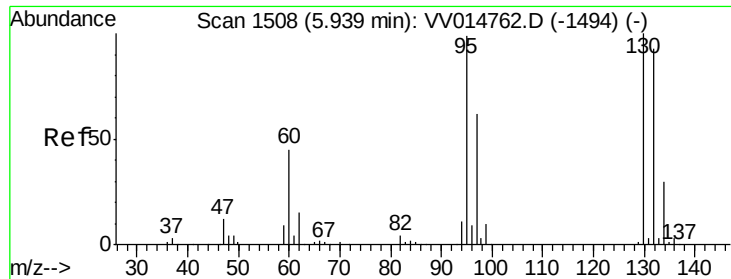
Acq: 09 Mar 2020 10:11

Tgt Ion: 78 Resp: 646033



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.92 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

Tgt Ion: 95 Resp: 169233

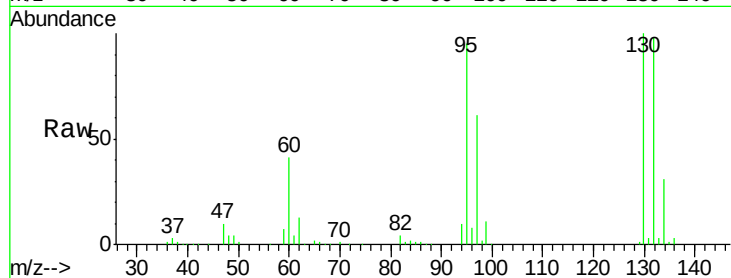
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.4

132 102.7 65.8 122.2

130 104.8 70.6 131.2

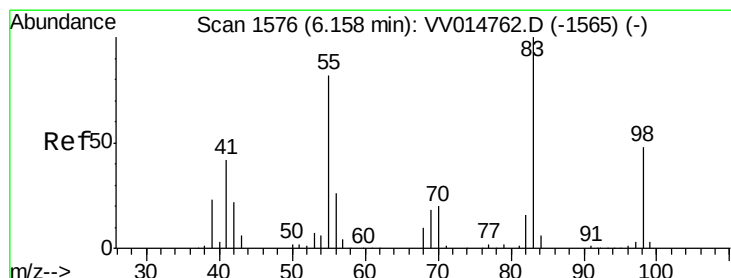
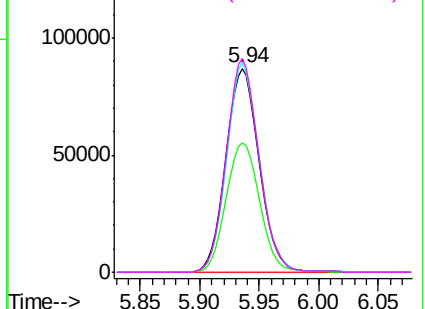
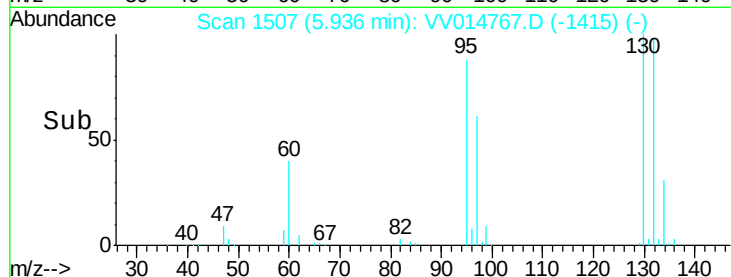


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 51.77 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

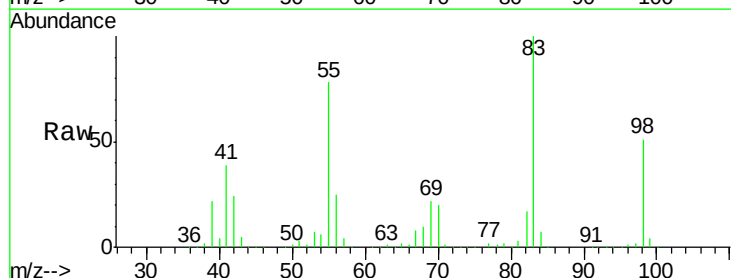
Tgt Ion: 83 Resp: 289697

Ion Ratio Lower Upper

83 100

55 76.5 63.4 95.2

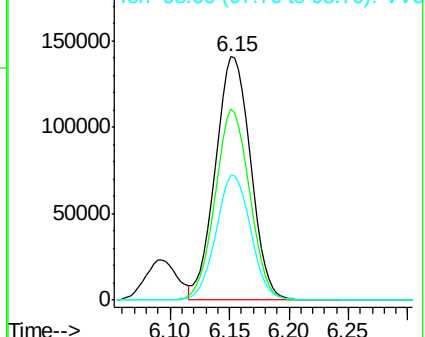
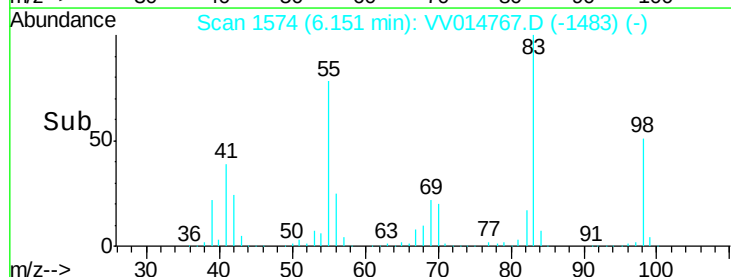
98 50.4 36.8 55.2

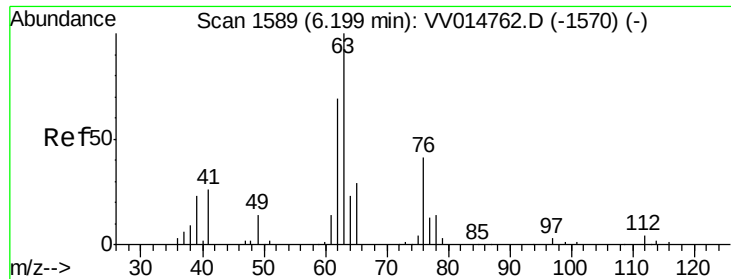


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

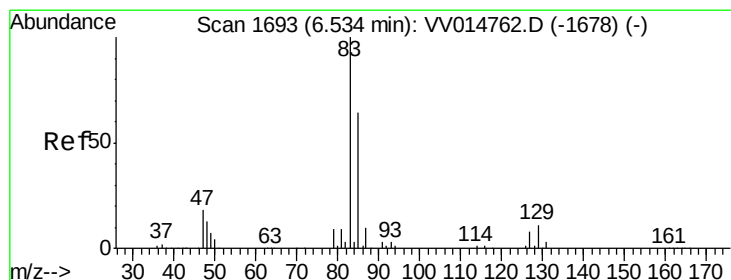
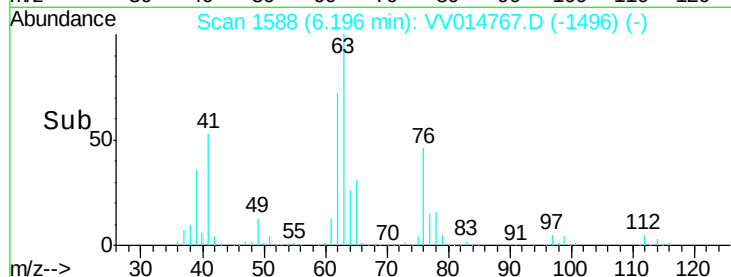
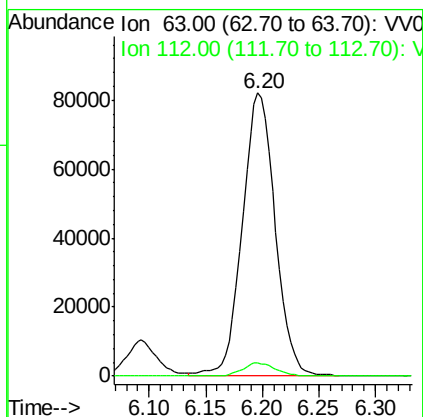
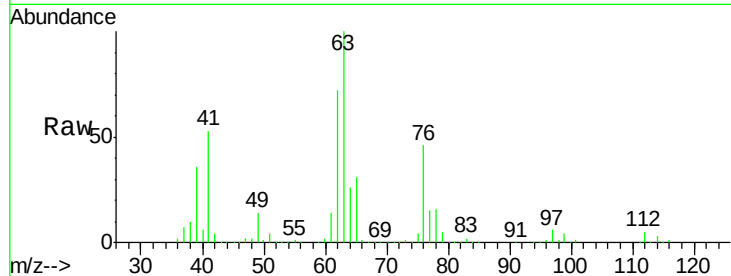




#37
 1,2-Dichloropropane
 Concen: 47.01 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV014767.D
 Acq: 09 Mar 2020 10:11

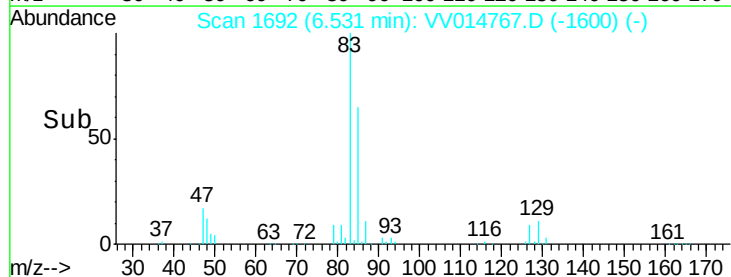
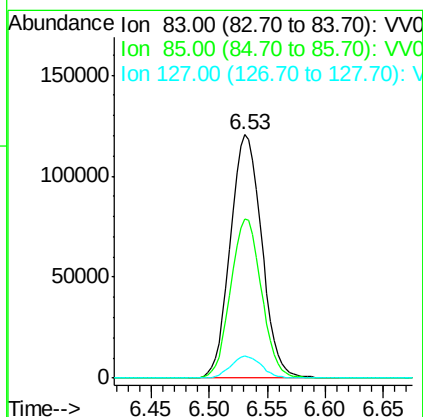
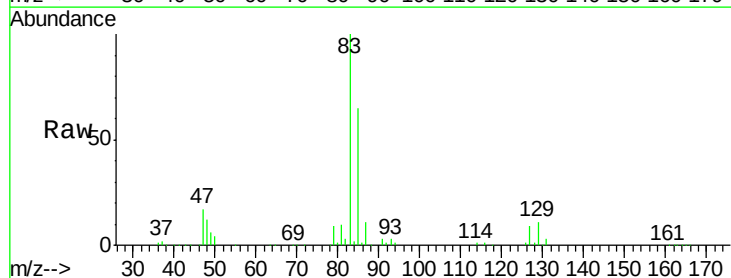
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

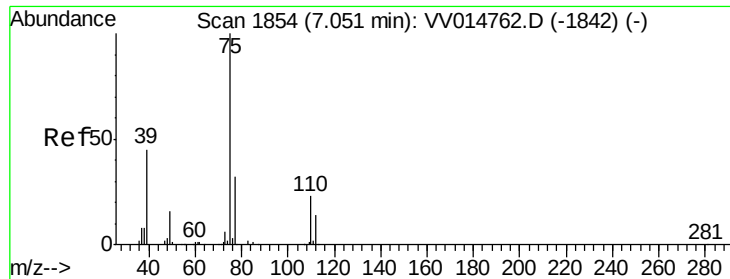
Tgt Ion: 63 Resp: 164785
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.2 4.8



#38
 Bromodichloromethane
 Concen: 50.69 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV014767.D
 Acq: 09 Mar 2020 10:11

Tgt Ion: 83 Resp: 226054
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.1 83.7
 127 9.0 6.7 10.1

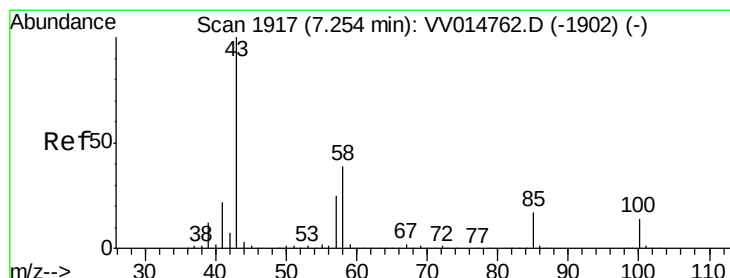
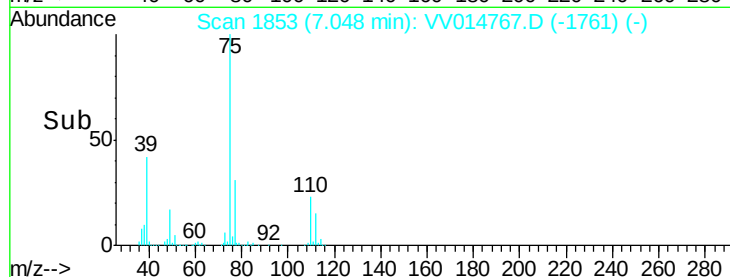
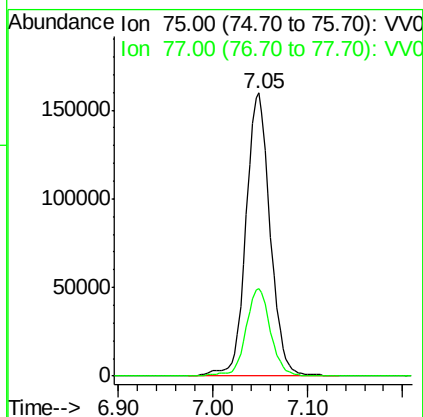
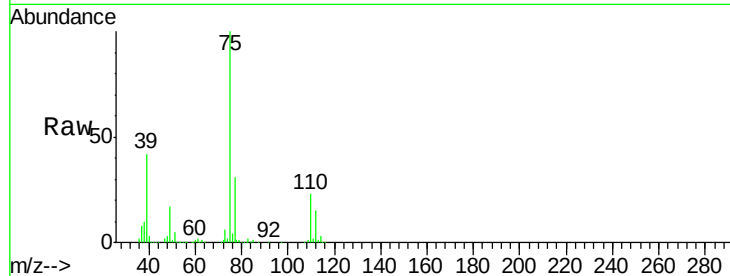




#39
 cis-1,3-Dichloropropene
 Concen: 51.67 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV014767.D
 Acq: 09 Mar 2020 10:11

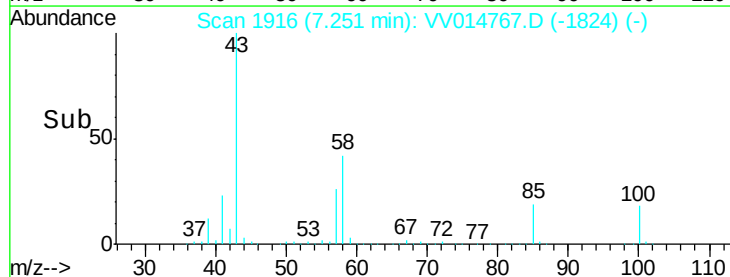
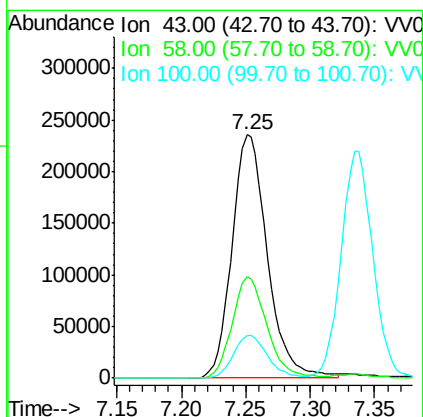
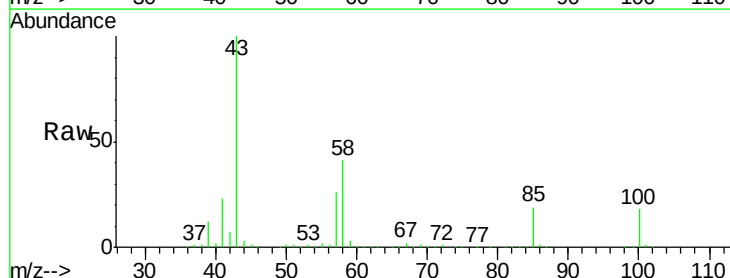
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

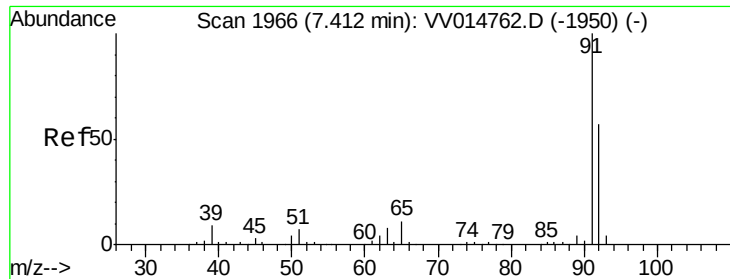
Tgt Ion: 75 Resp: 283890
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 88.28 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV014767.D
 Acq: 09 Mar 2020 10:11

Tgt Ion: 43 Resp: 448493
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.0 46.4
 100 16.9 11.2 16.8#





#42

Toluene

Concen: 50.48 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

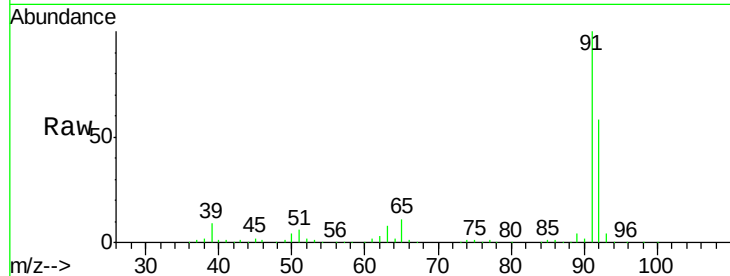
VSTD05078

Tgt Ion: 91 Resp: 722403

Ion Ratio Lower Upper

91 100

92 57.9 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

400000

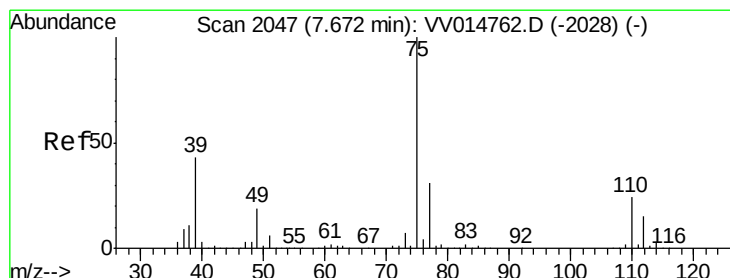
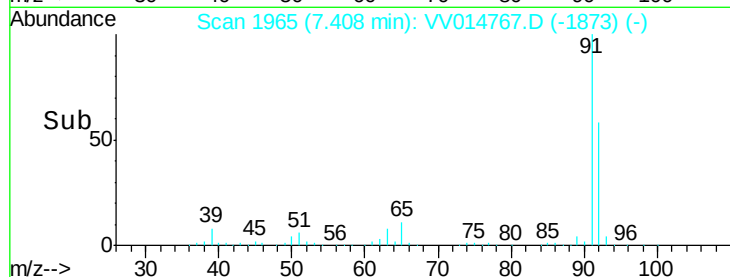
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.74 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV014767.D

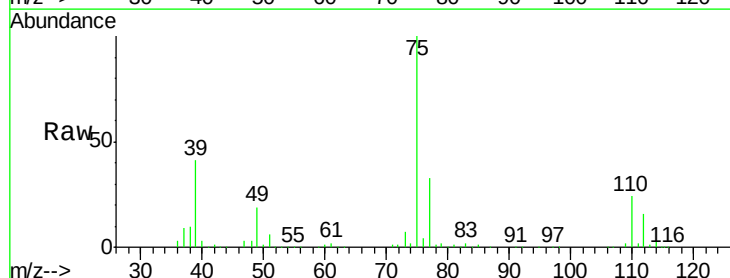
Acq: 09 Mar 2020 10:11

Tgt Ion: 75 Resp: 254152

Ion Ratio Lower Upper

75 100

77 32.7 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

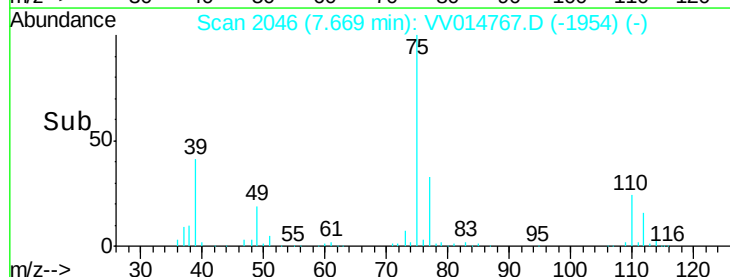
150000

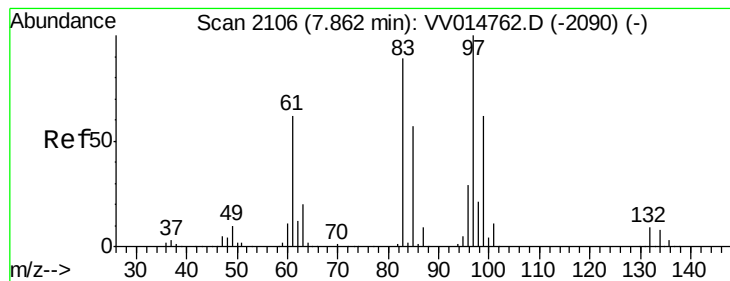
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 49.11 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

Tgt Ion: 97 Resp: 158561

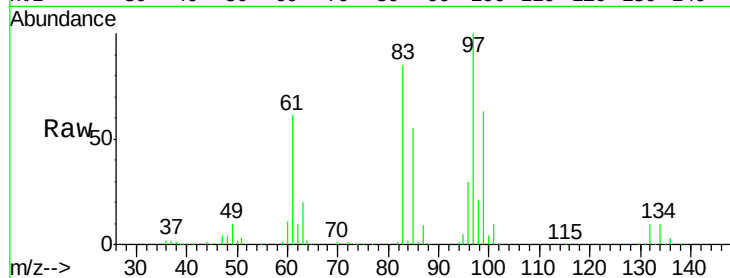
Ion Ratio Lower Upper

97 100

99 62.5 43.1 80.1

83 85.0 62.4 115.8

85 54.5 40.1 74.5



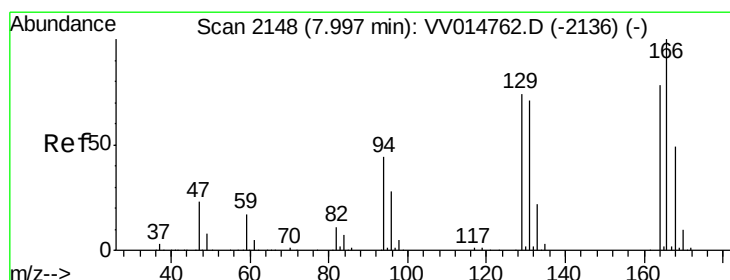
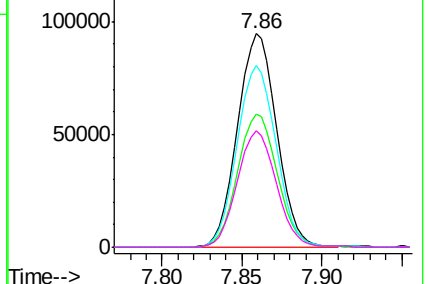
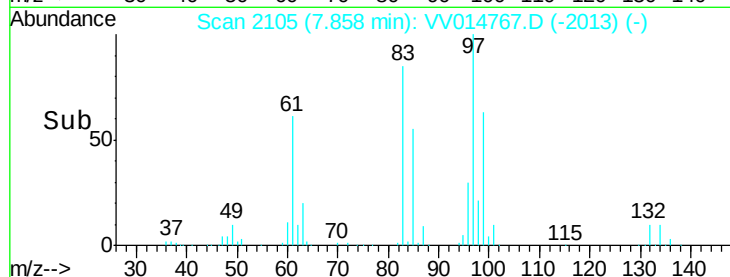
Abundance

Ion 97.00 (96.70 to 97.70): VV014762.D (-2090) (-)

Ion 99.00 (98.70 to 99.70): VV014762.D (-2090) (-)

Ion 83.00 (82.70 to 83.70): VV014762.D (-2090) (-)

Ion 85.00 (84.70 to 85.70): VV014762.D (-2090) (-)



#46

Tetrachloroethene

Concen: 54.59 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Tgt Ion: 164 Resp: 151428

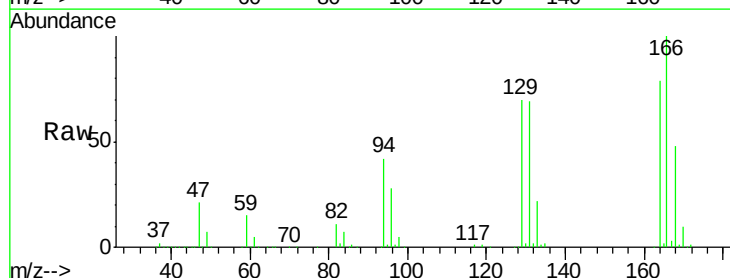
Ion Ratio Lower Upper

164 100

129 88.9 66.0 122.6

131 87.1 63.9 118.7

166 126.9 89.7 166.7



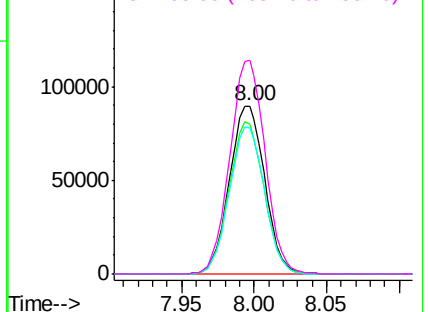
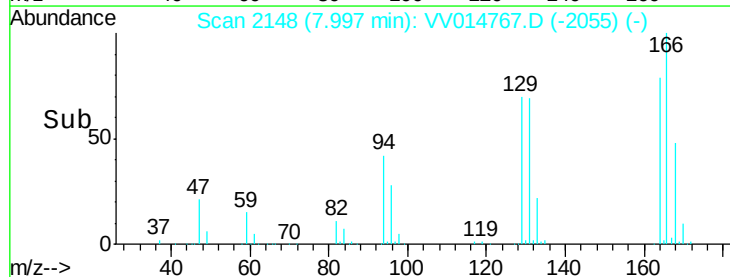
Abundance

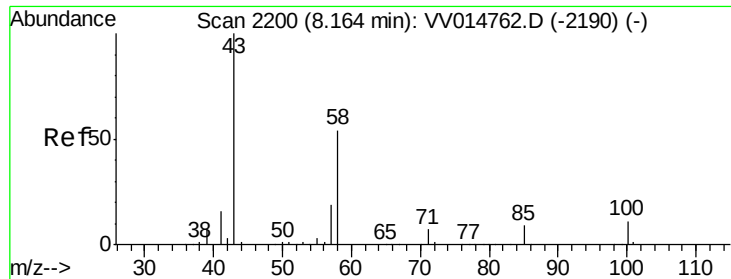
Ion 164.00 (163.70 to 164.70): VV014762.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV014762.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV014762.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV014762.D (-2136) (-)

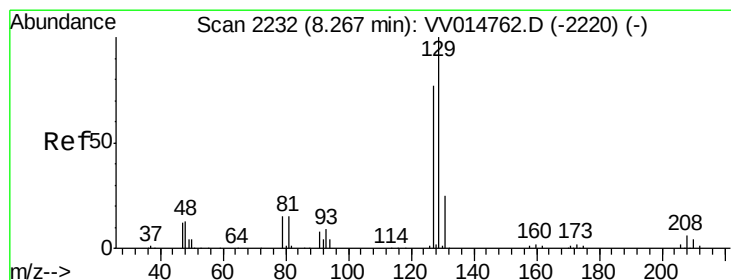
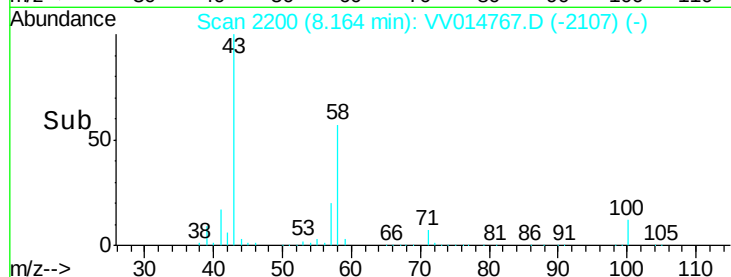
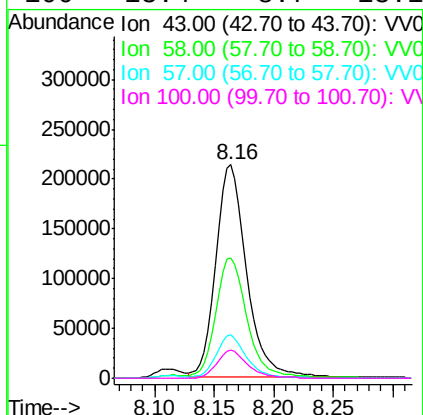
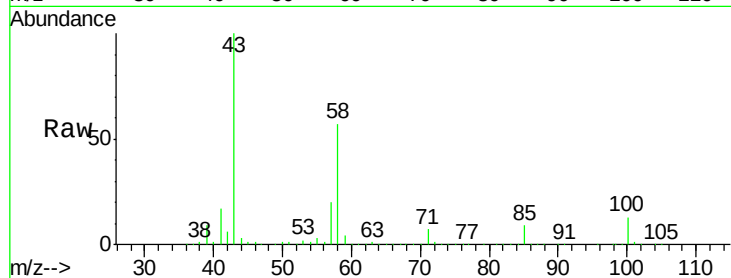




#48
2-Hexanone
Concen: 95.77 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

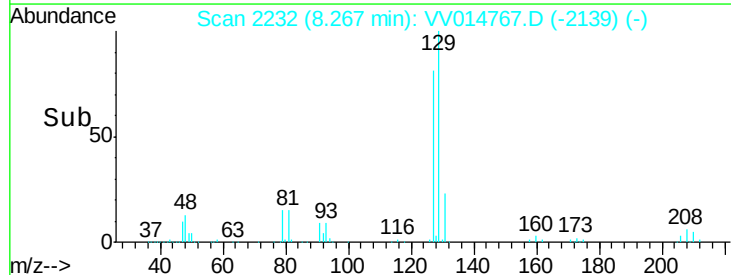
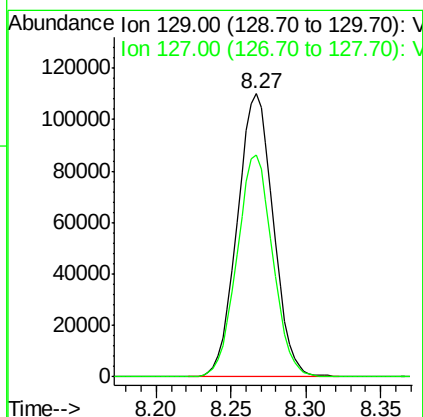
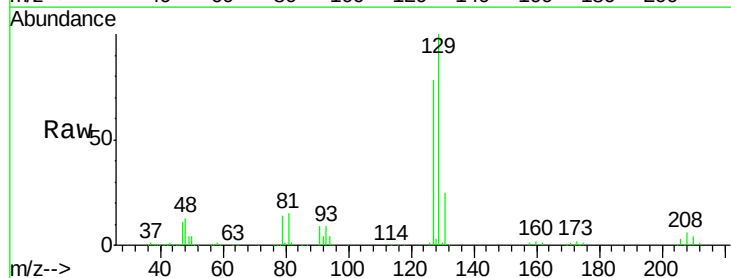
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

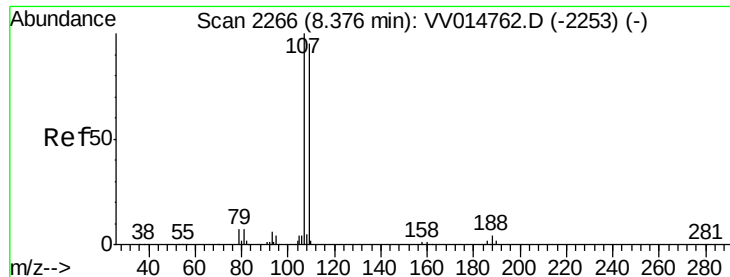
Tgt Ion: 43 Resp: 382646
Ion Ratio Lower Upper
43 100
58 57.1 43.3 64.9
57 20.0 15.6 23.4
100 13.4 8.7 13.1#



#49
Dibromochloromethane
Concen: 52.47 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

Tgt Ion: 129 Resp: 184626
Ion Ratio Lower Upper
129 100
127 78.5 53.9 100.1

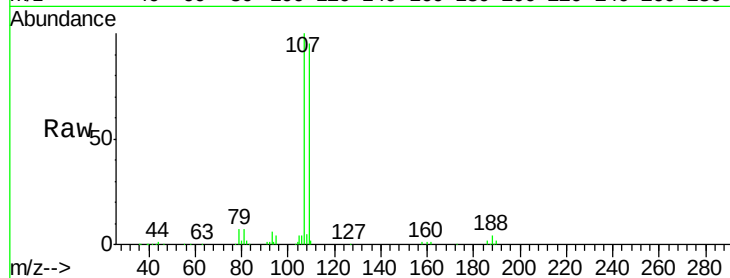




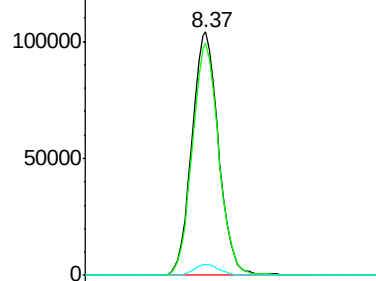
#50
1,2-Dibromoethane
Concen: 49.88 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

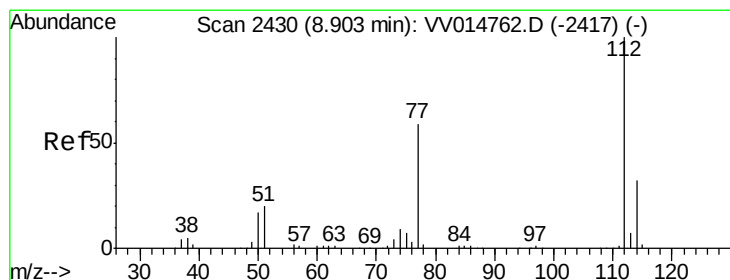
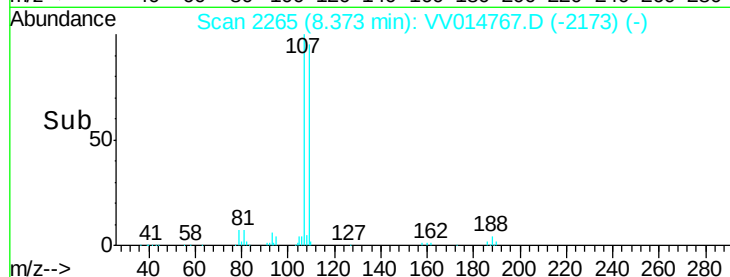
Tgt Ion:107 Resp: 174079
Ion Ratio Lower Upper
107 100
109 95.4 66.6 123.6
188 4.5 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

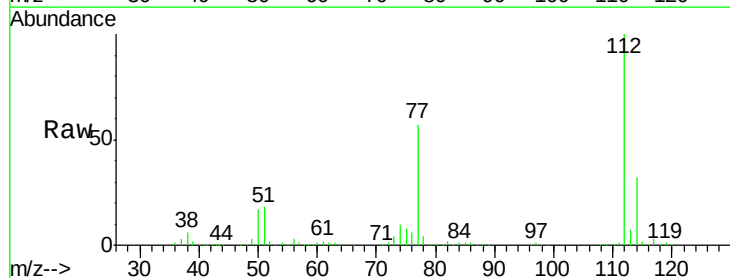


Time-->

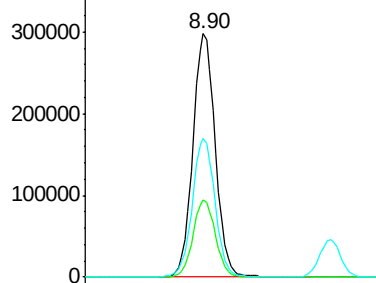


#51
Chlorobenzene
Concen: 51.79 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV014767.D
Acq: 09 Mar 2020 10:11

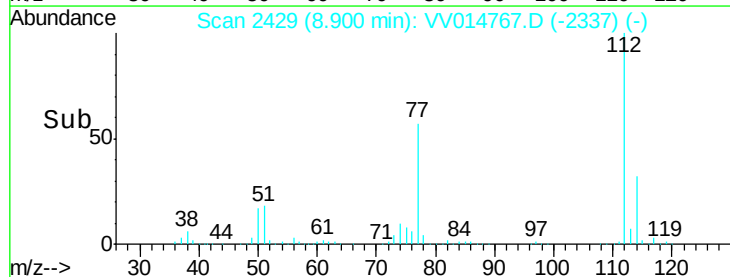
Tgt Ion:112 Resp: 476902
Ion Ratio Lower Upper
112 100
114 31.7 22.1 41.1
77 56.8 47.8 71.8

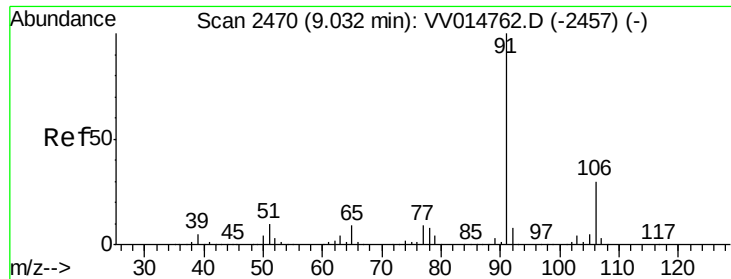


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



Time-->





#52

Ethylbenzene

Concen: 51.15 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampled :

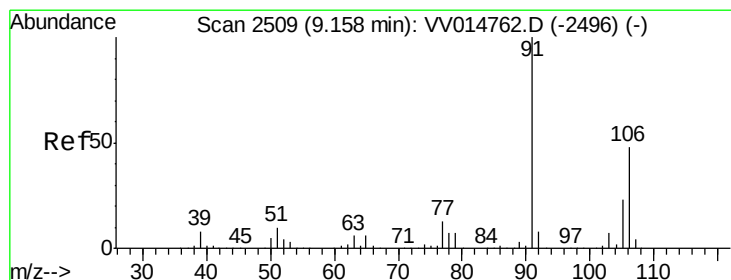
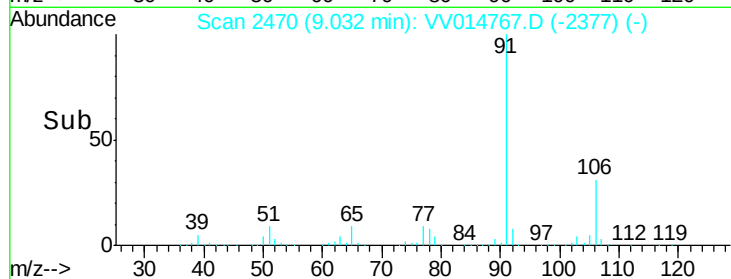
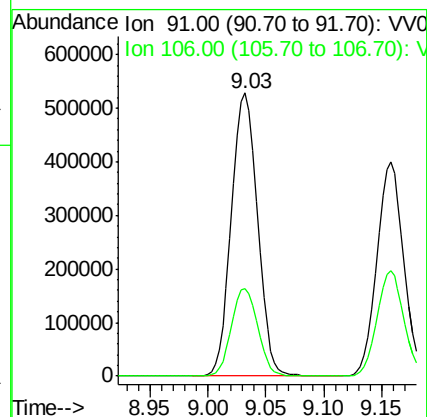
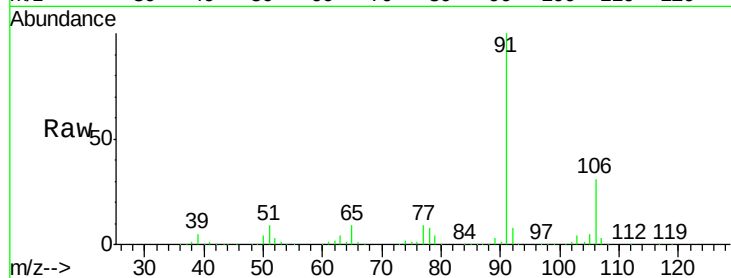
VSTD05078

Tgt Ion: 91 Resp: 824662

Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.6



#53

m,p-Xylene

Concen: 52.65 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV014767.D

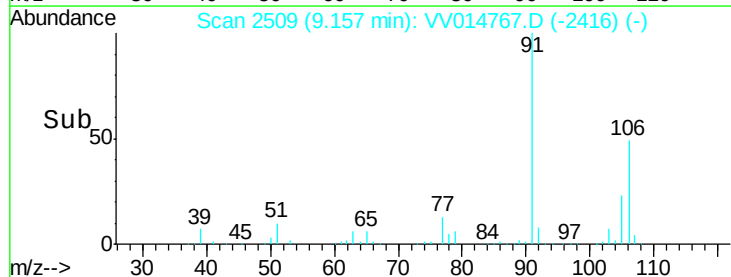
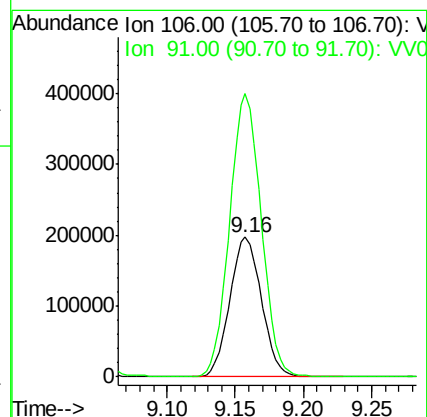
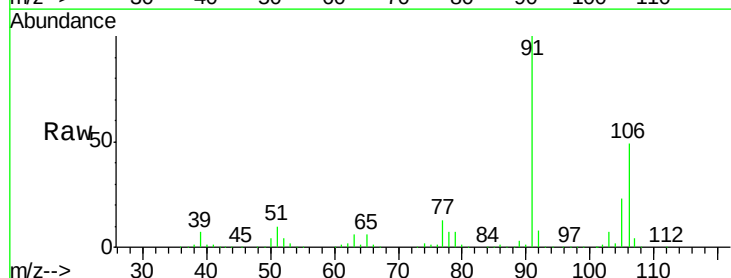
Acq: 09 Mar 2020 10:11

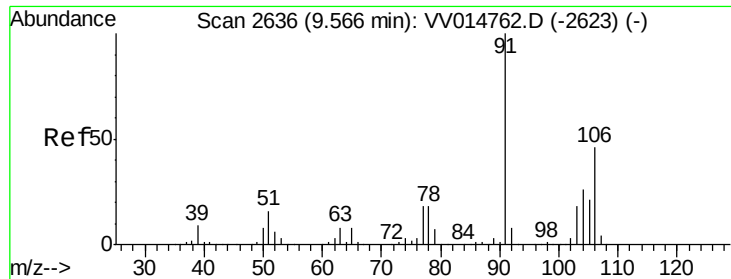
Tgt Ion: 106 Resp: 318593

Ion Ratio Lower Upper

106 100

91 202.5 145.1 269.5





#54

o-xylene

Concen: 52.57 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

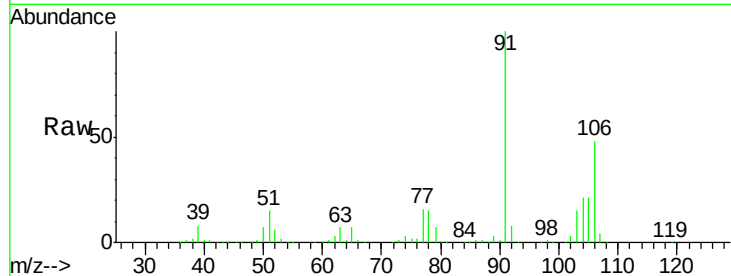
VSTD05078

Tgt Ion:106 Resp: 312465

Ion Ratio Lower Upper

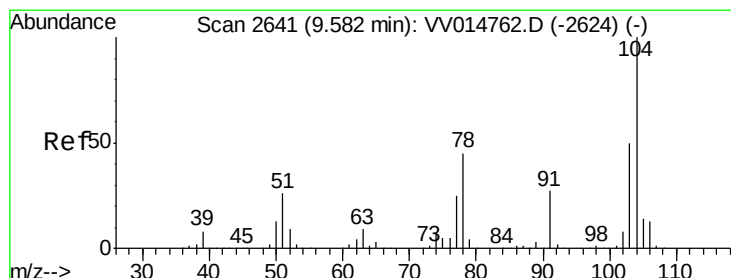
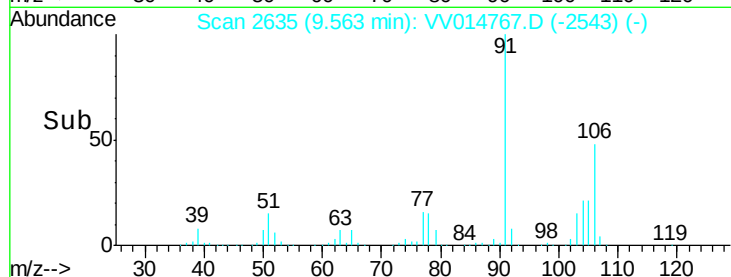
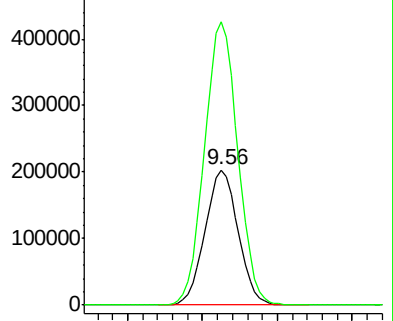
106 100

91 209.8 152.5 283.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.67 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV014767.D

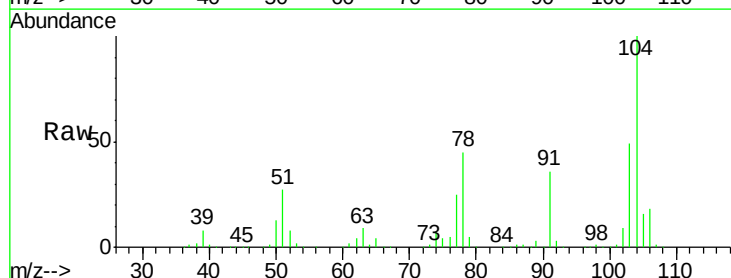
Acq: 09 Mar 2020 10:11

Tgt Ion:104 Resp: 535290

Ion Ratio Lower Upper

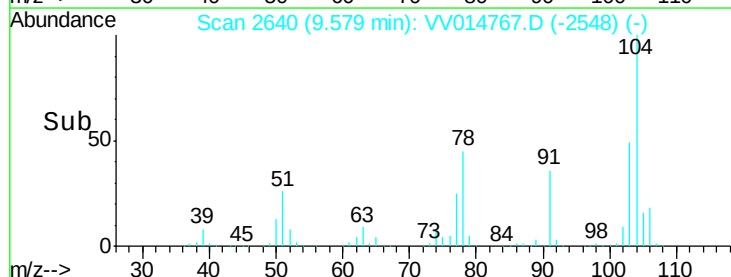
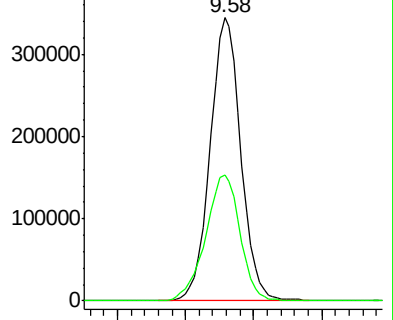
104 100

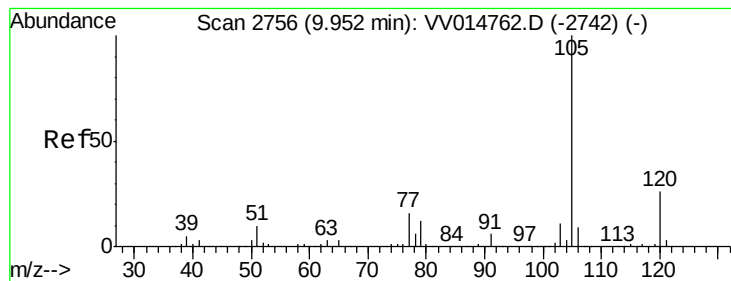
78 44.7 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.04 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampled :

VSTD05078

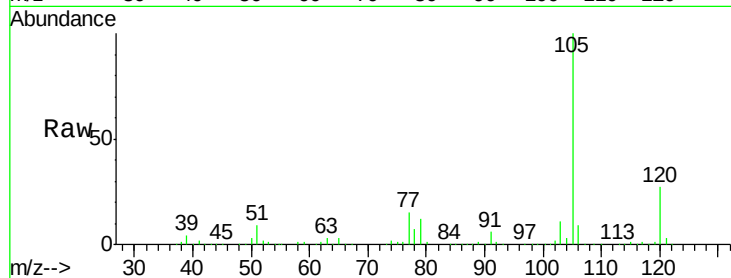
Tgt Ion: 105 Resp: 828403

Ion Ratio Lower Upper

105 100

120 26.3 20.6 31.0

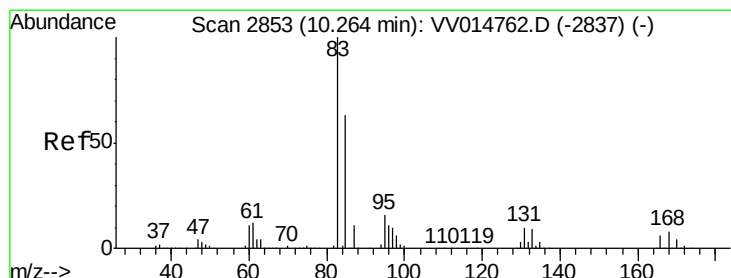
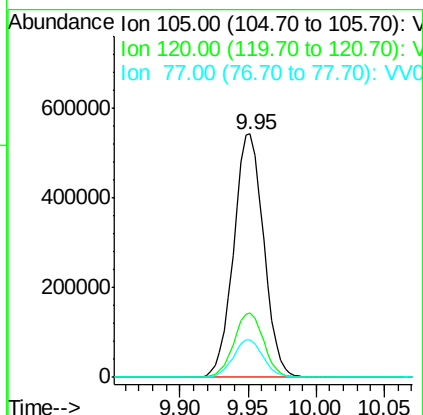
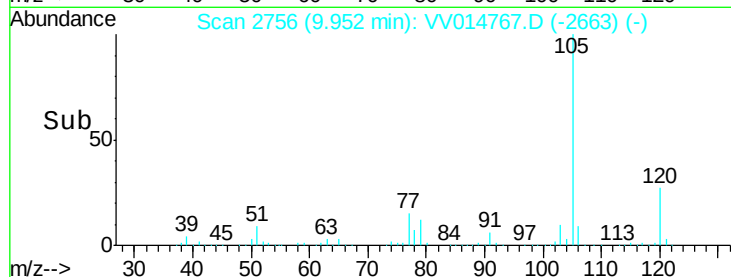
77 15.4 12.7 19.1



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: 47.74 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

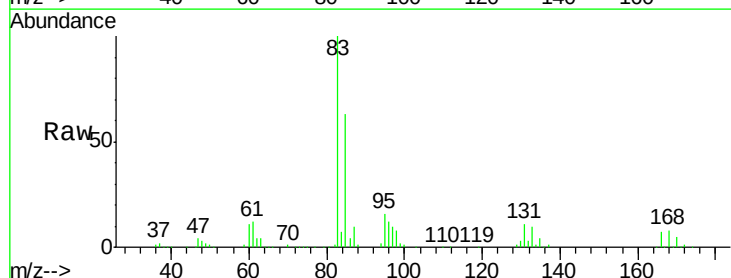
Tgt Ion: 83 Resp: 265469

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.5

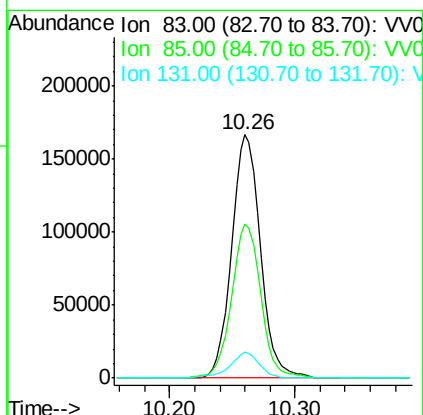
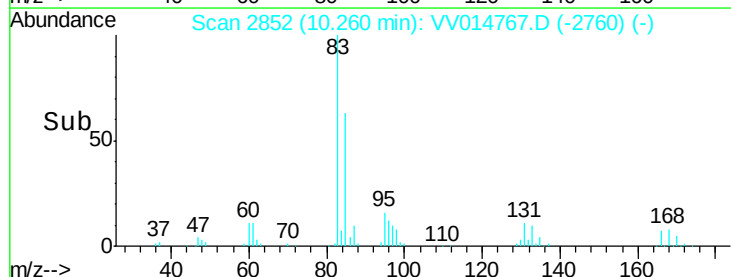
131 10.6 7.8 11.8

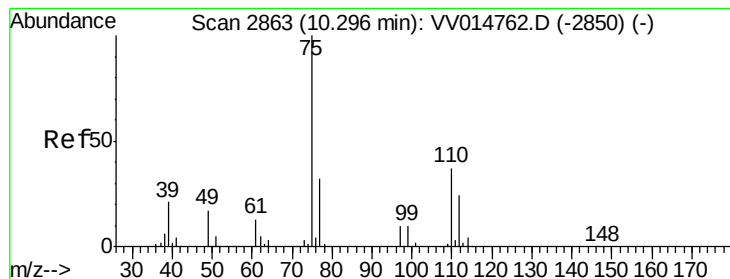


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.61 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

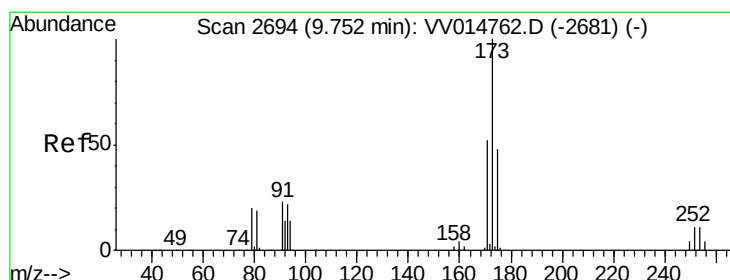
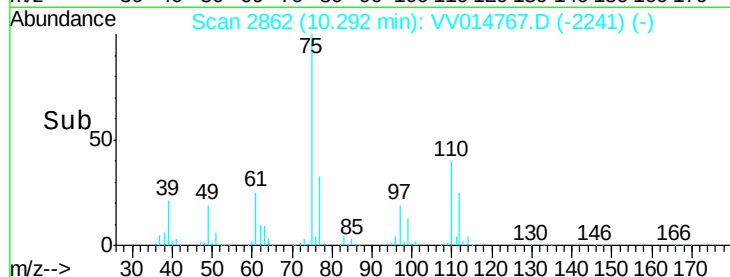
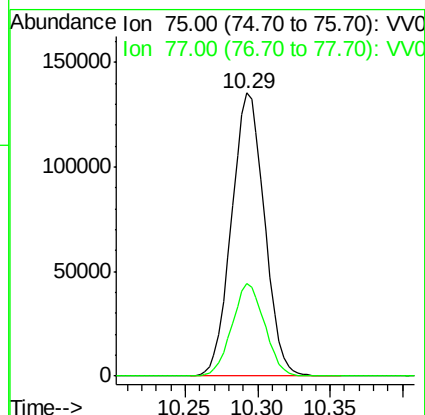
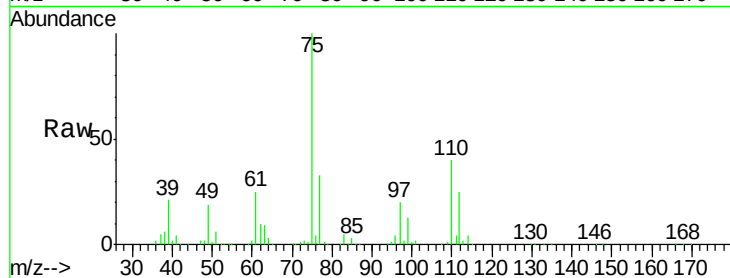
VSTD05078

Tgt Ion: 75 Resp: 213152

Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4



#61

Bromoform

Concen: 51.21 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

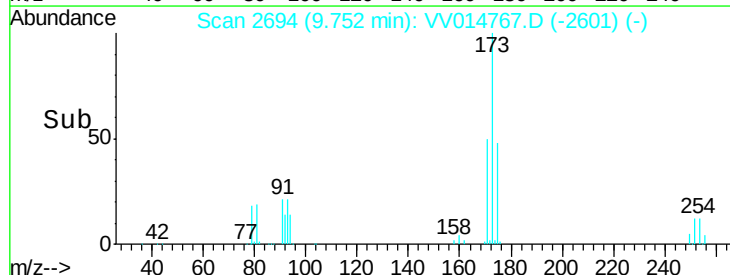
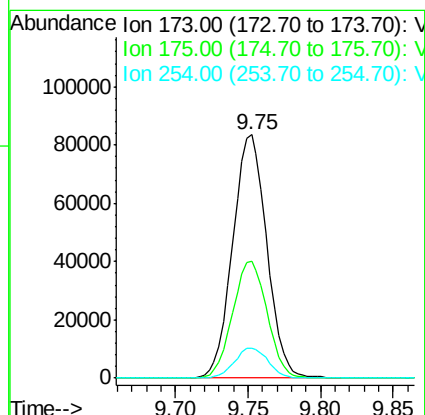
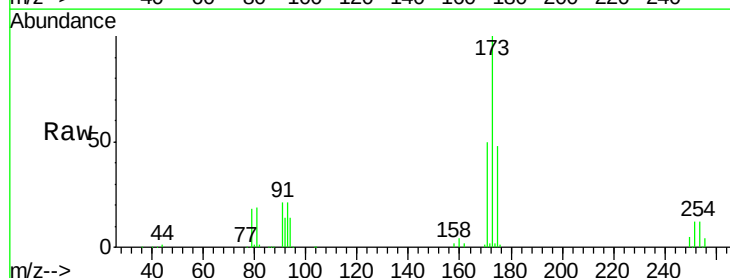
Tgt Ion: 173 Resp: 136342

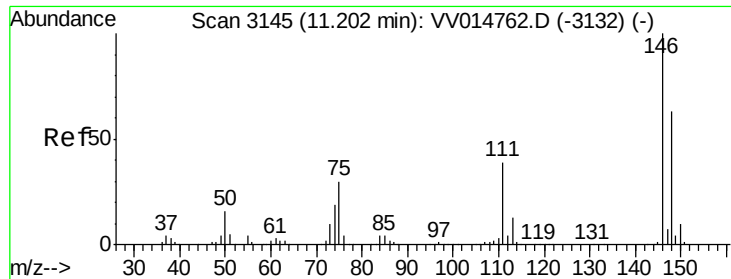
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

254 12.2 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 51.27 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

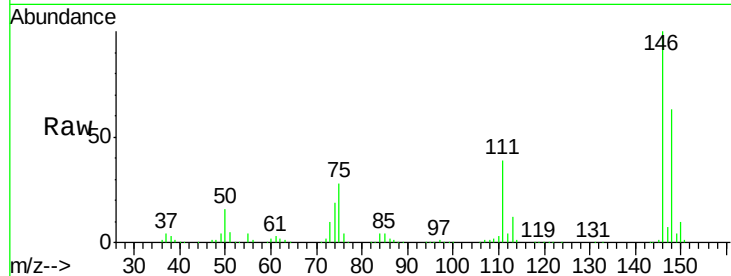
Tgt Ion:146 Resp: 406925

Ion Ratio Lower Upper

146 100

111 38.8 27.2 50.4

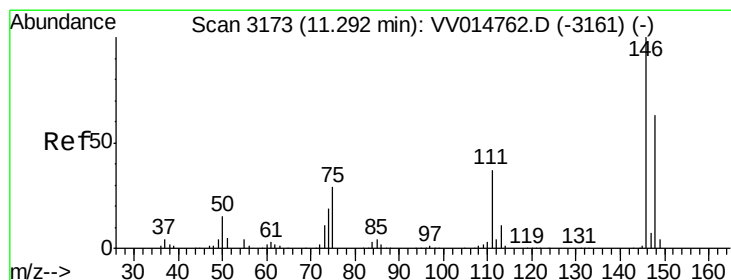
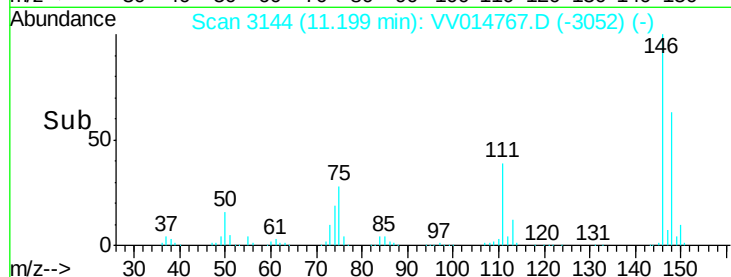
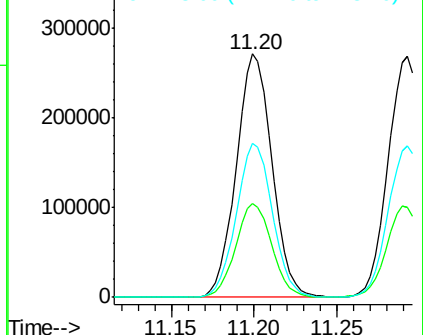
148 63.2 44.2 82.2



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: 51.08 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

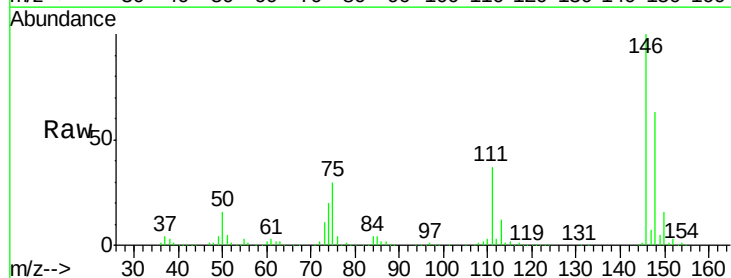
Tgt Ion:146 Resp: 408448

Ion Ratio Lower Upper

146 100

111 37.5 26.3 48.9

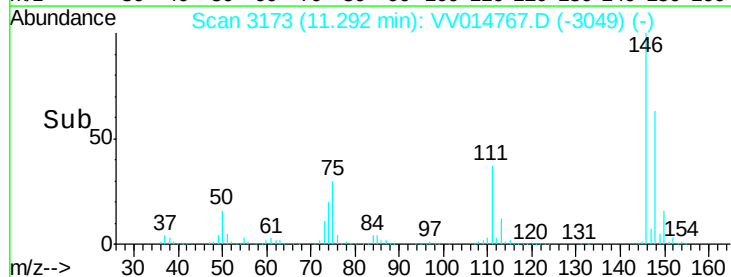
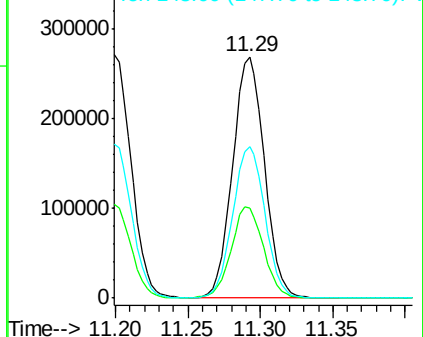
148 62.8 44.0 81.8

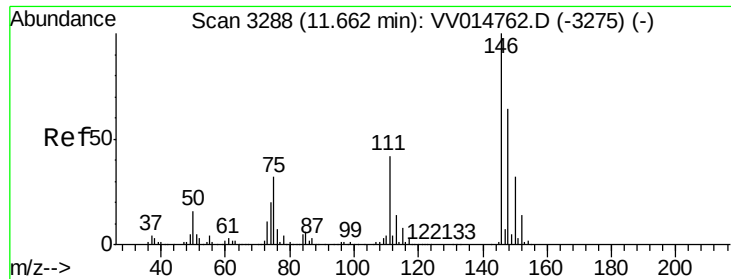


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.62 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

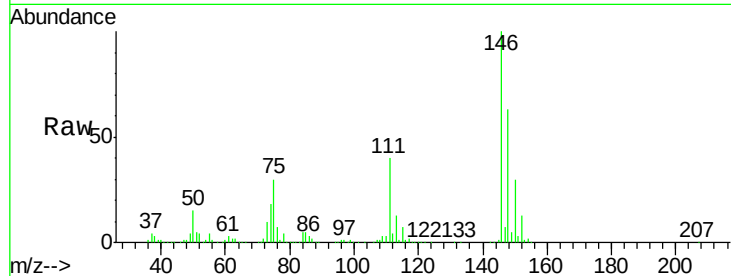
Tgt Ion:146 Resp: 399981

Ion Ratio Lower Upper

146 100

111 40.5 33.9 50.9

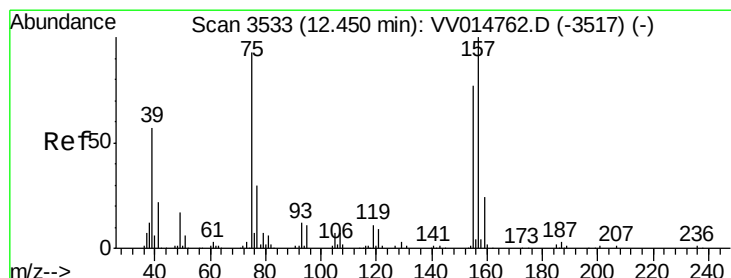
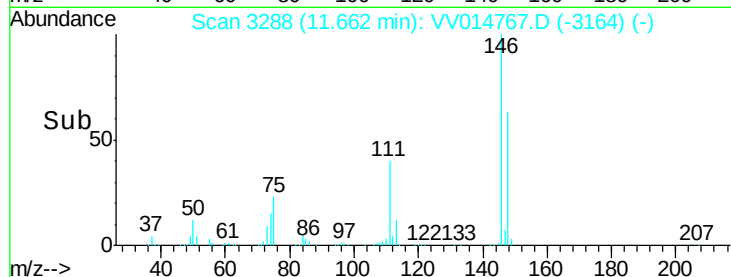
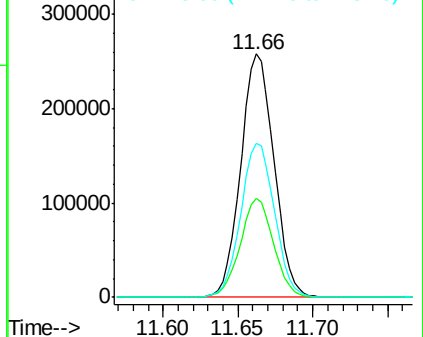
148 63.4 51.4 77.0



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: 46.62 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

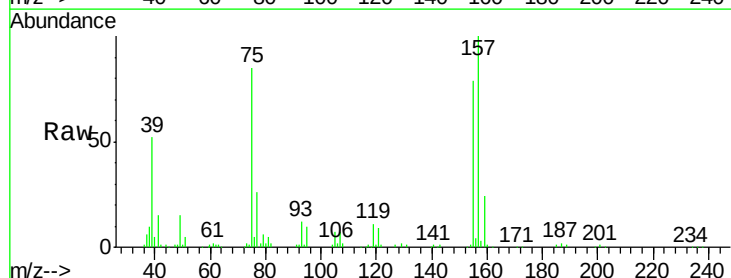
Tgt Ion: 75 Resp: 62516

Ion Ratio Lower Upper

75 100

155 93.8 66.4 99.6

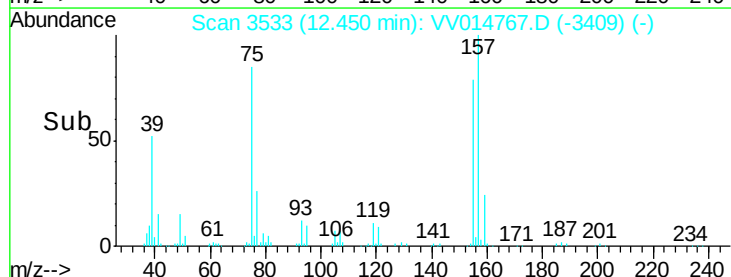
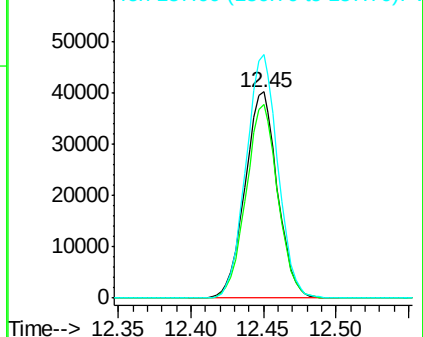
157 118.1 86.1 129.1

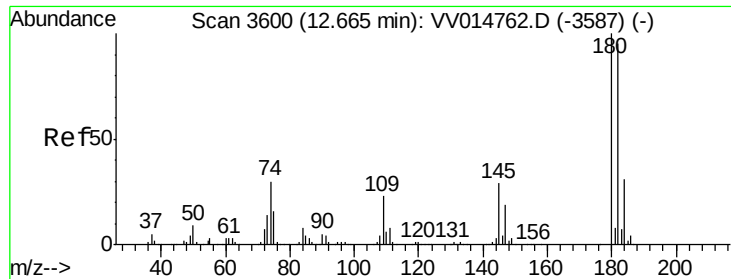


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

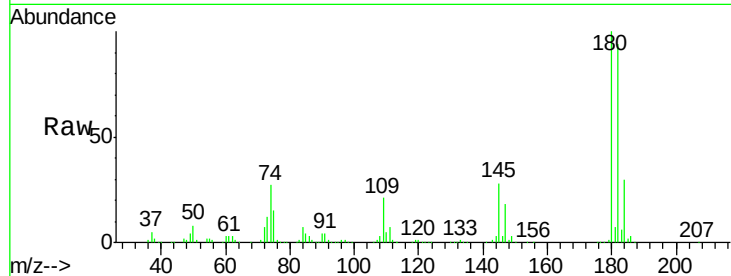




#67
 1,3,5-Trichlorobenzene
 Concen: 52.65 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV014767.D
 Acq: 09 Mar 2020 10:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.6	113.4
184	30.5	24.8	37.2
145	28.6	23.3	34.9

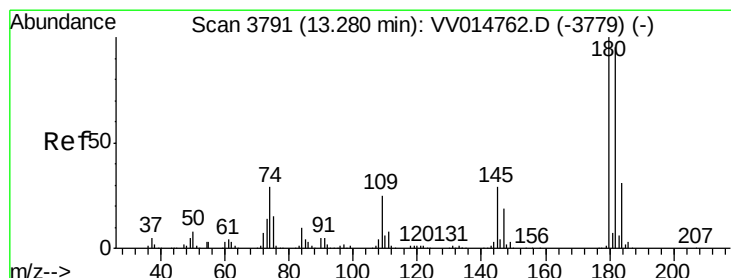
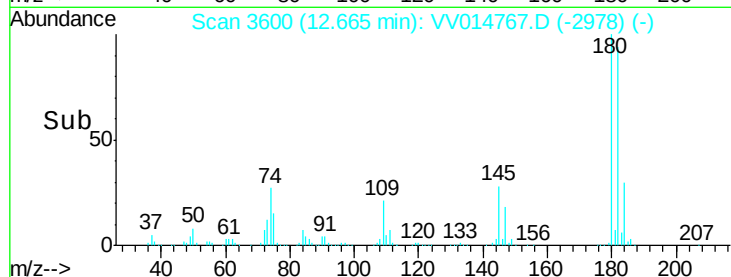
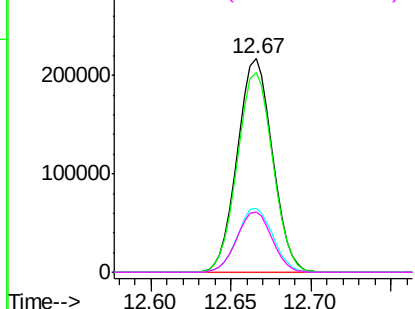


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

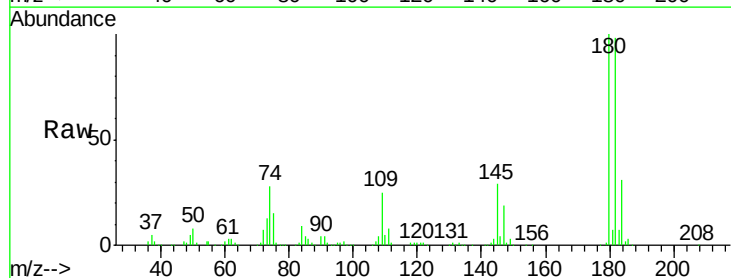
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.92 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. -0.00 min
 Lab File: VV014767.D
 Acq: 09 Mar 2020 10:11

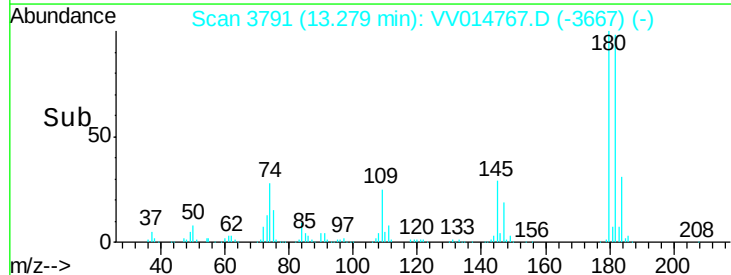
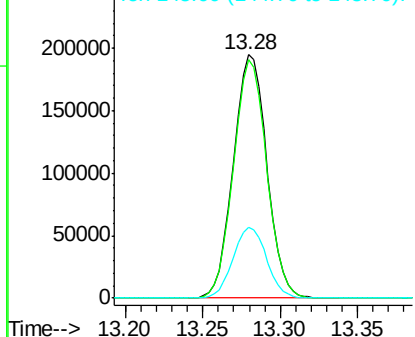
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.6	114.8
145	29.1	23.4	35.0

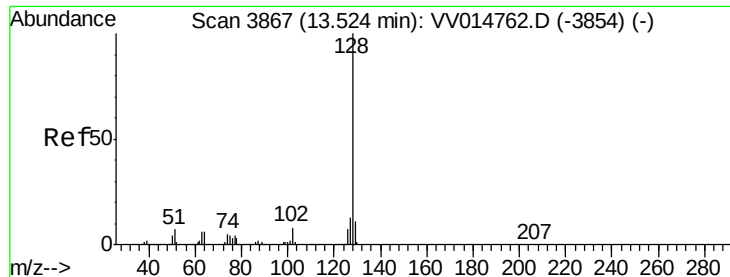


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.04 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

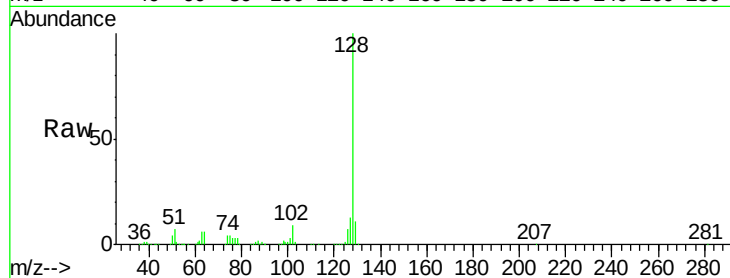
Tgt Ion:128 Resp: 416486

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

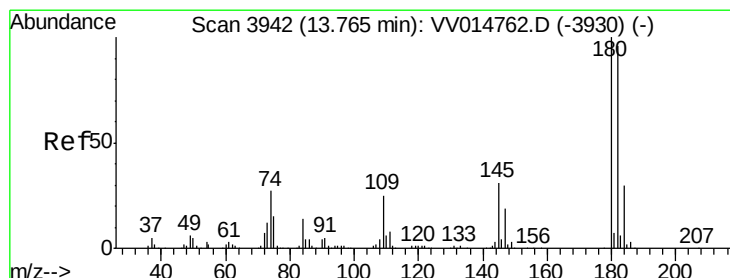
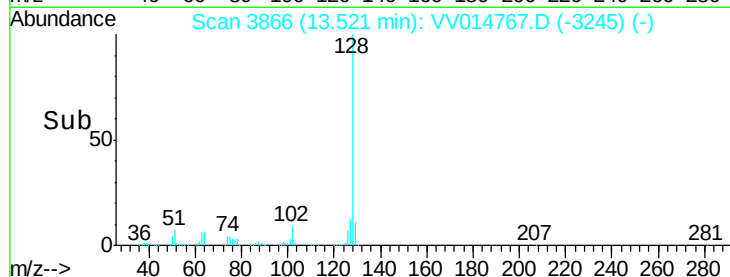
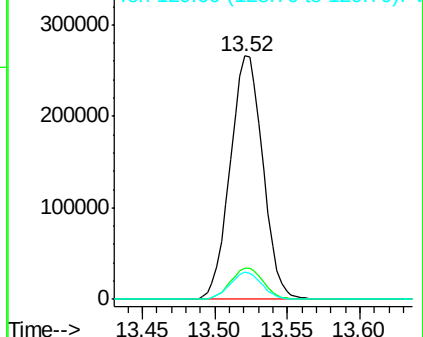
129 10.9 8.5 12.7



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: 51.39 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV014767.D

Acq: 09 Mar 2020 10:11

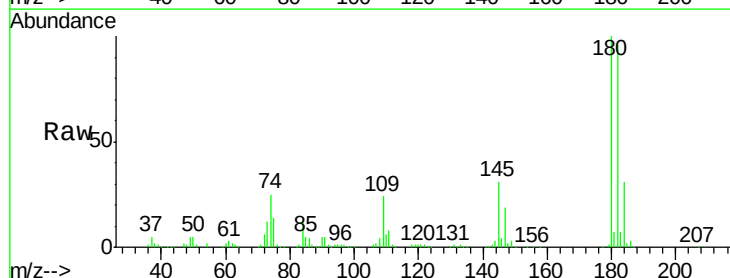
Tgt Ion:180 Resp: 288991

Ion Ratio Lower Upper

180 100

182 96.3 76.5 114.7

145 31.5 25.0 37.4



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

