

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018510.D
 Acq On : 29 Sep 2020 12:15
 Operator : SY/MD
 Sample : VSTD05061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Quant Time: Sep 30 01:18:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	367466	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	356140	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	202203	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	108013	36.07	ug/L	0.00
7) Chloroethane-d5	1.58	69	88291	36.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	219956	40.04	ug/L	0.00
21) 2-Butanone-d5	3.92	46	168440	91.89	ug/L	0.00
24) Chloroform-d	4.38	84	235104	45.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	148558	44.60	ug/L	0.00
32) Benzene-d6	5.08	84	463019	45.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	139982	43.21	ug/L	0.00
41) Toluene-d8	7.34	98	439055	47.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	76492	46.47	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	114100	92.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	188481	46.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	192959	46.47	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	126640	47.262	ug/L	100
3) Chloromethane	1.25	50	135453	46.295	ug/L	100
5) Vinyl chloride	1.32	62	141953	47.312	ug/L	100
6) Bromomethane	1.53	94	96471	52.605	ug/L	100
8) Chloroethane	1.60	64	86790	46.177	ug/L	100
9) Trichlorofluoromethane	1.77	101	217941	52.794	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	119292	48.108	ug/L	100
12) 1,1-Dichloroethene	2.13	96	114283	47.366	ug/L	100
13) Acetone	2.20	43	139016	94.712	ug/L	100
14) Carbon disulfide	2.31	76	375954	50.922	ug/L	100
15) Methyl Acetate	2.45	43	137392	52.086	ug/L	100
16) Methylene chloride	2.52	84	138773	51.285	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	134472	54.080	ug/L	100
18) Methyl tert-butyl Ether	2.79	73	409104	53.187	ug/L	100
19) 1,1-Dichloroethane	3.21	63	236086	50.217	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	145763	54.838	ug/L	100
22) 2-Butanone	4.00	43	199790	114.950	ug/L	100
23) Bromochloromethane	4.28	128	78685	56.579	ug/L	100
25) Chloroform	4.41	83	248406	51.980	ug/L	100
27) 1,2-Dichloroethane	5.15	62	196897	53.221	ug/L	100
29) Cyclohexane	4.70	56	213385	51.887	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	227569	55.060	ug/L	100
31) Carbon tetrachloride	4.86	117	203779	56.071	ug/L	100
33) Benzene	5.13	78	538042	52.840	ug/L	100
34) Trichloroethene	5.94	95	153111	55.199	ug/L	100
35) Methylcyclohexane	6.15	83	211510	50.644	ug/L	100
37) 1,2-Dichloropropane	6.20	63	137977	51.136	ug/L	100
38) Bromodichloromethane	6.53	83	185912	52.947	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	223834	53.841	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	372100	113.674	ug/L	100

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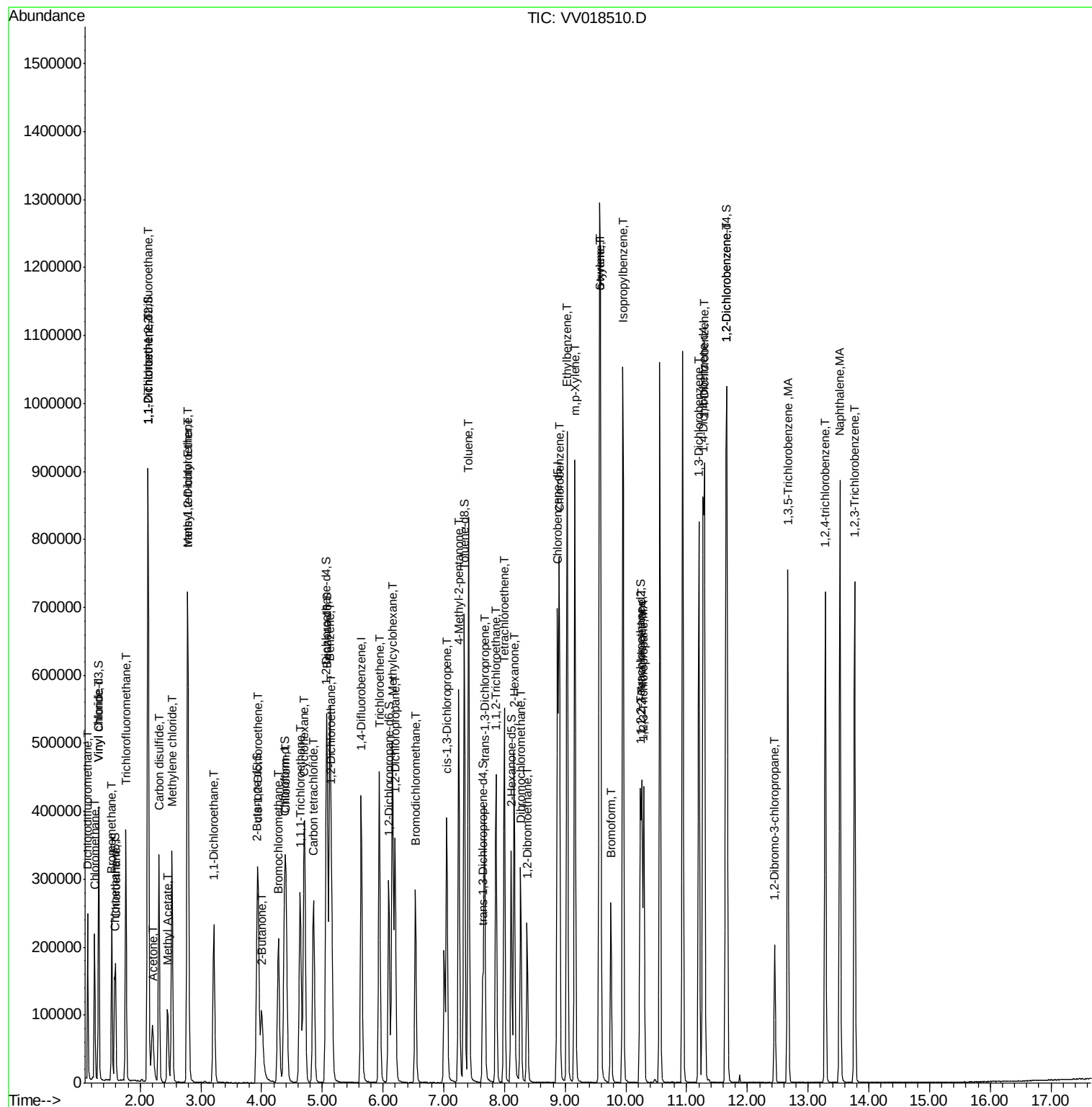
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	590635	54.811	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	219983	54.346	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	135815	54.306	ug/L	100
46) Tetrachloroethene	8.00	164	125986	57.928	ug/L	100
48) 2-Hexanone	8.16	43	290246	112.469	ug/L	100
49) Dibromochloromethane	8.27	129	158020	56.290	ug/L	100
50) 1,2-Dibromoethane	8.37	107	148422	56.389	ug/L	100
51) Chlorobenzene	8.90	112	396658	56.680	ug/L	100
52) Ethylbenzene	9.03	91	660280	56.125	ug/L	100
53) m,p-Xylene	9.16	106	254754	58.015	ug/L	100
54) o-xylene	9.56	106	244523	57.801	ug/L	100
55) Styrene	9.58	104	432265	58.788	ug/L	100
56) Isopropylbenzene	9.95	105	655870	57.526	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	198615	53.688	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	170201	53.630	ug/L	100
61) Bromoform	9.75	173	119967	55.227	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	333371	55.445	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	339398	54.917	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	324494	53.393	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	46827	54.601	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	233247	49.207	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	222990	52.828	ug/L	100
69) Naphthalene	13.52	128	667414	62.488	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	223303	53.712	ug/L	100

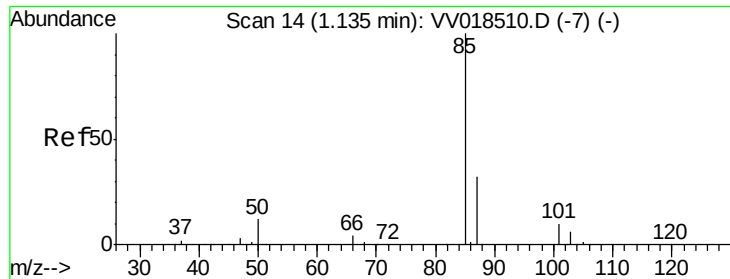
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.262 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

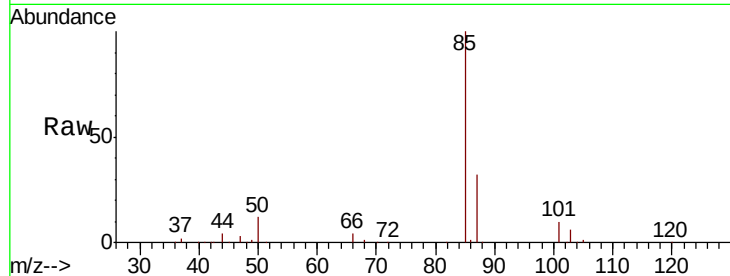
VSTD05061

Tot Ion: 85 Resp: 126640

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018510.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018510.D (-7) (-)

1.14

150000

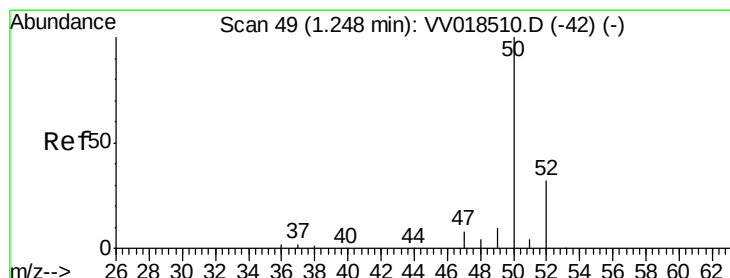
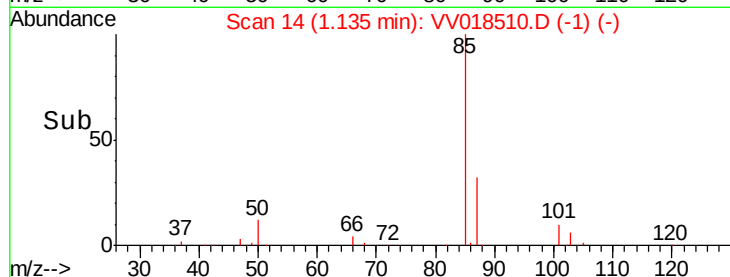
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 46.295 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018510.D

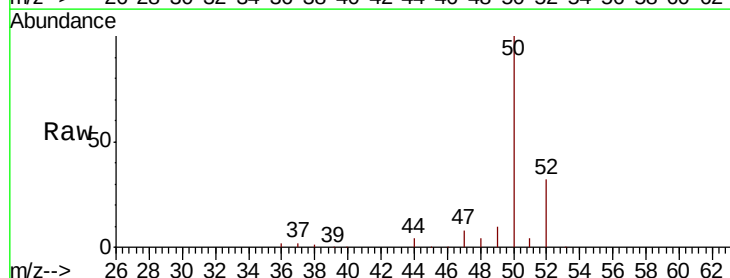
Acq: 29 Sep 2020 12:15

Tgt Ion: 50 Resp: 135453

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018510.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018510.D (-42) (-)

1.25

150000

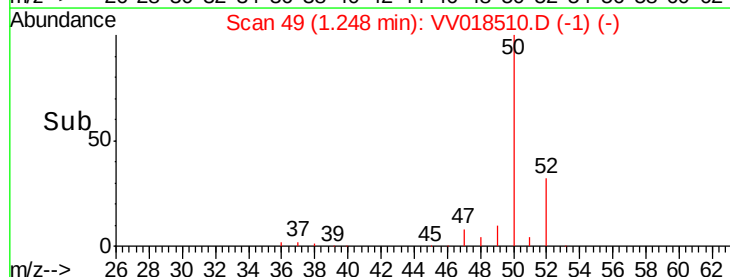
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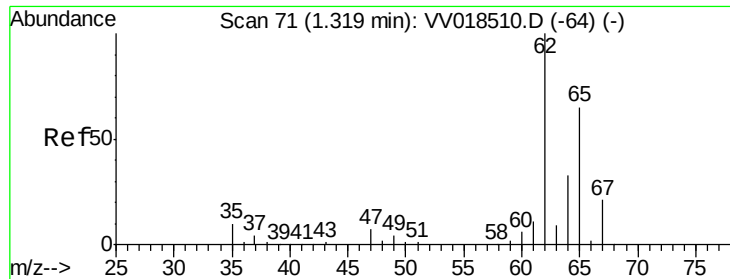
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 47.312 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

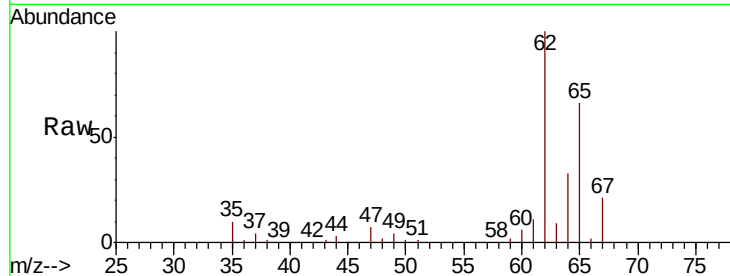
VSTD05061

Tot Ion: 62 Resp: 141953

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018510.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV018510.D (-64) (-)

1.32

150000

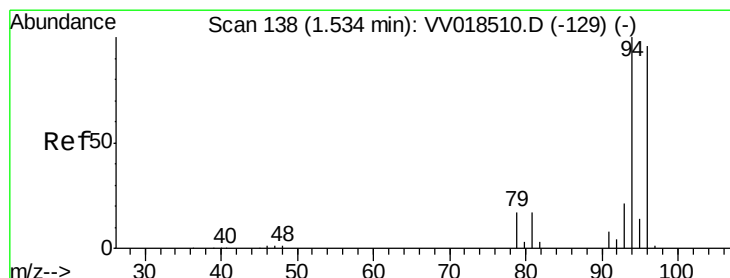
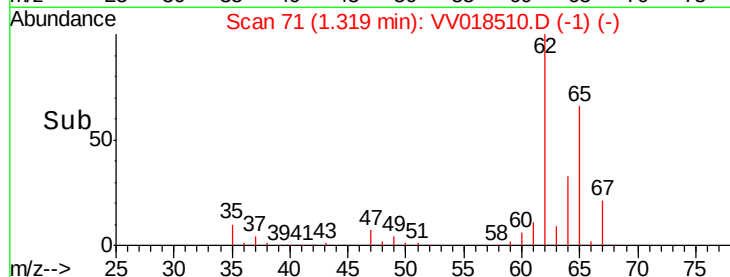
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 52.605 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018510.D

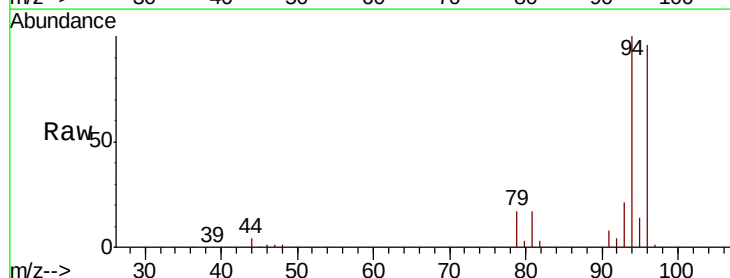
Acq: 29 Sep 2020 12:15

Tgt Ion: 94 Resp: 96471

Ion Ratio Lower Upper

94 100

96 96.5 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV018510.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV018510.D (-129) (-)

1.53

100000

80000

60000

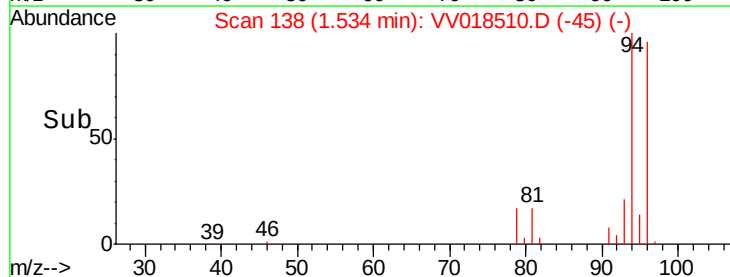
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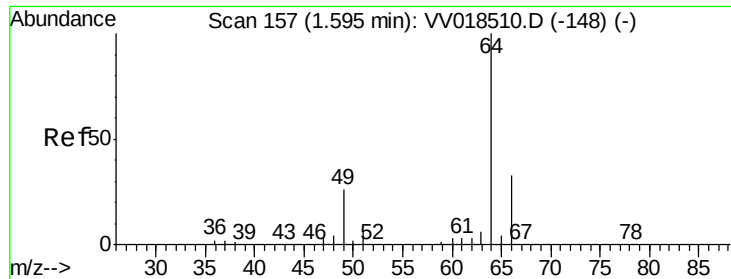
20000

0

1.50 1.55 1.60

Time-->

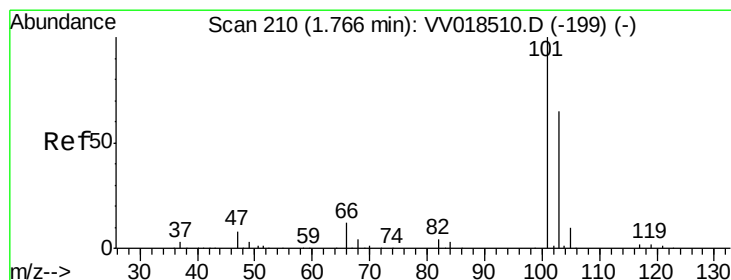
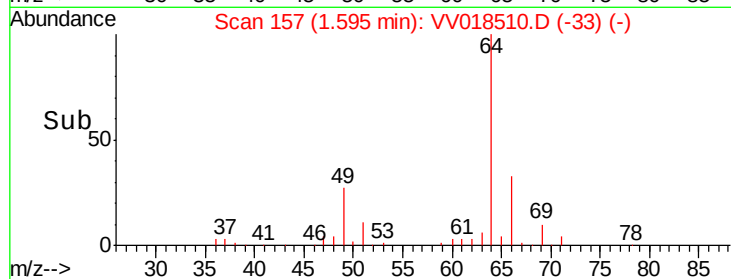
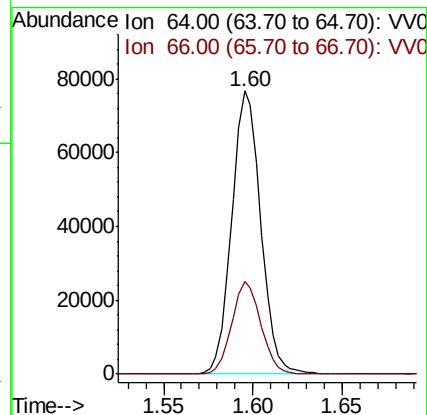
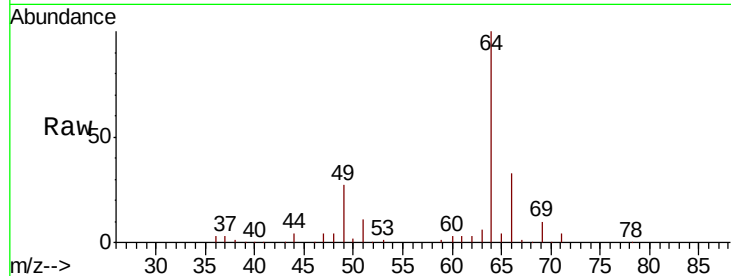




#8
Chloroethane
Concen: 46.177 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018510.D
Acq: 29 Sep 2020 12:15

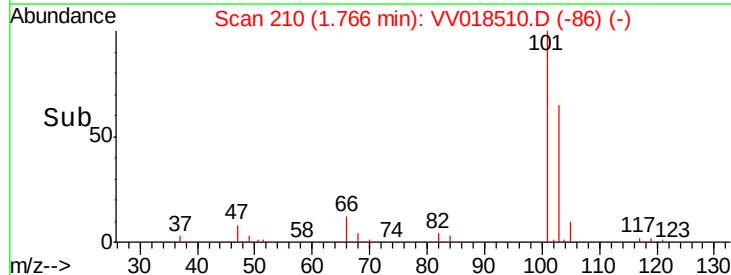
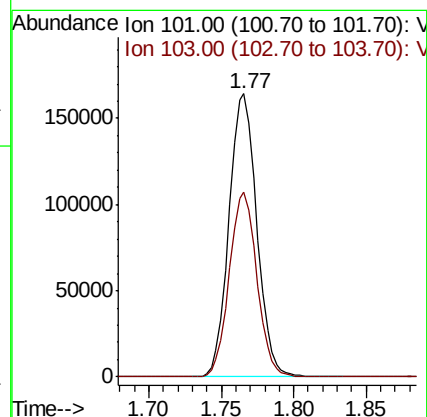
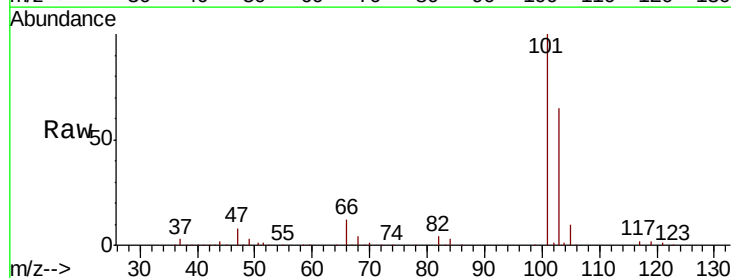
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

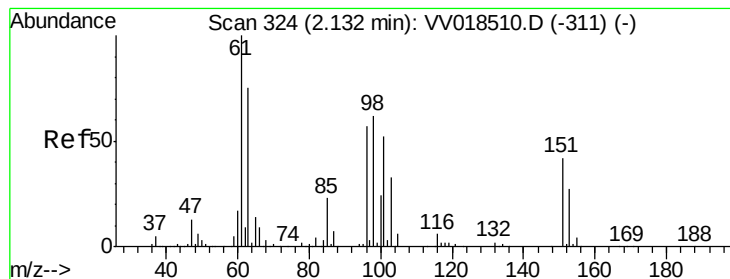
Tot Ion: 64 Resp: 86790
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 52.794 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018510.D
Acq: 29 Sep 2020 12:15

Tgt Ion:101 Resp: 217941
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9





#10

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

Concen: 48.108 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

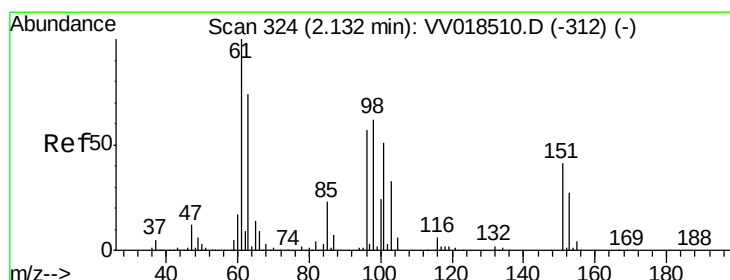
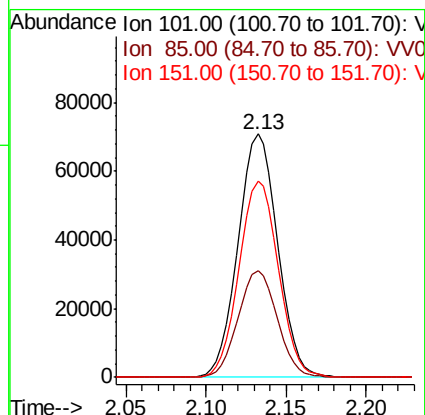
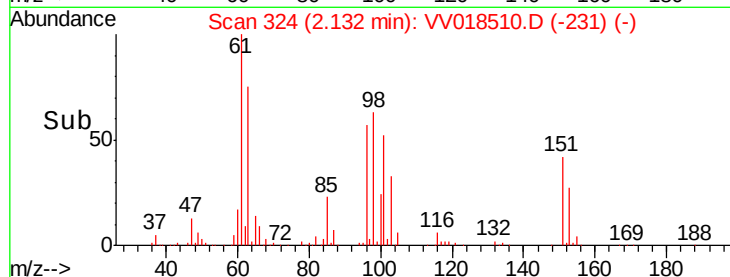
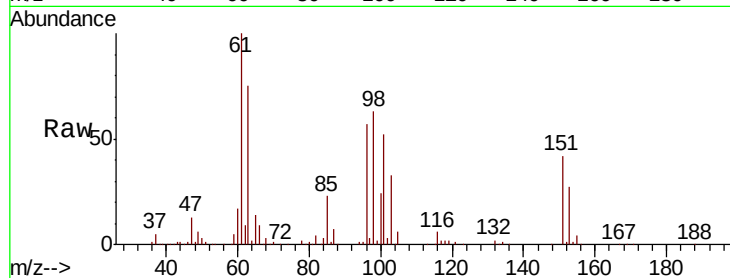
Tot Ion:101 Resp: 119292

Ion Ratio Lower Upper

101 100

85 43.3 34.6 52.0

151 80.4 64.3 96.5



#12

1,1-Dichloroethene

Concen: 47.366 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

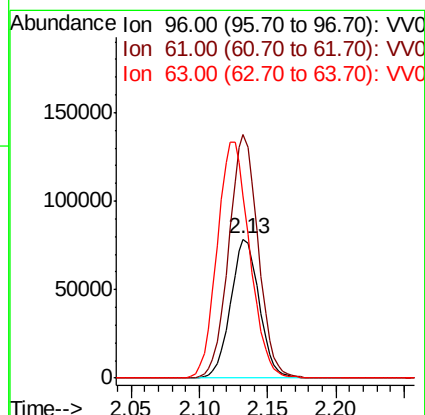
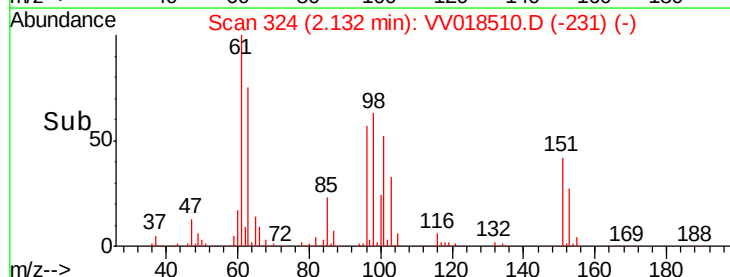
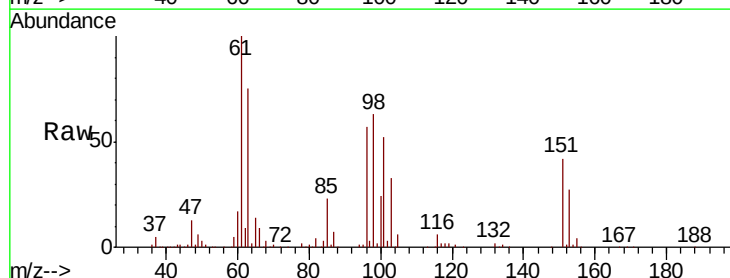
Tgt Ion: 96 Resp: 114283

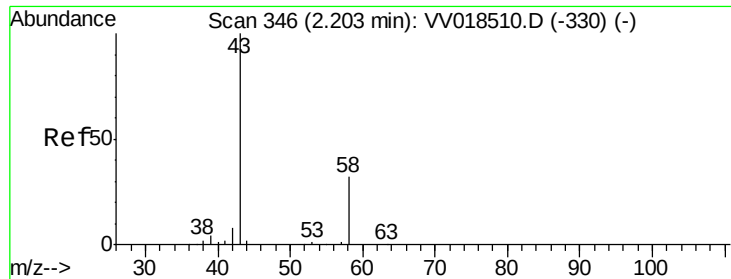
Ion Ratio Lower Upper

96 100

61 175.5 122.8 228.1

63 131.3 91.9 170.7





#13

Acetone

Concen: 94.712 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampled :

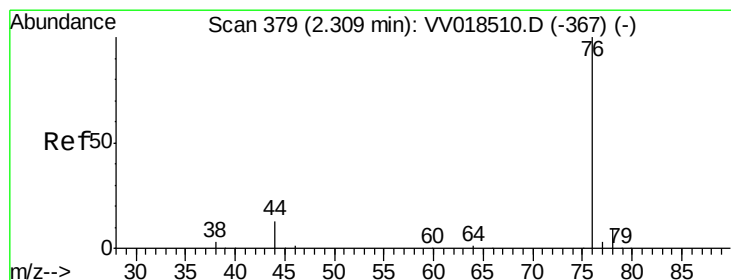
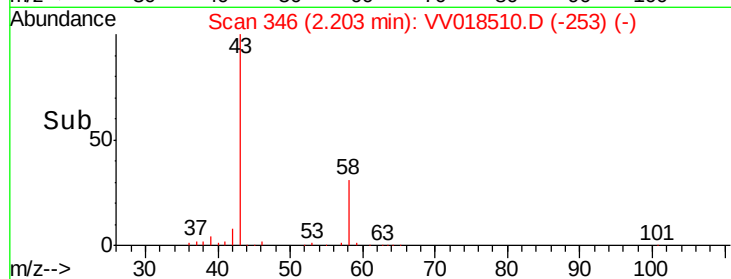
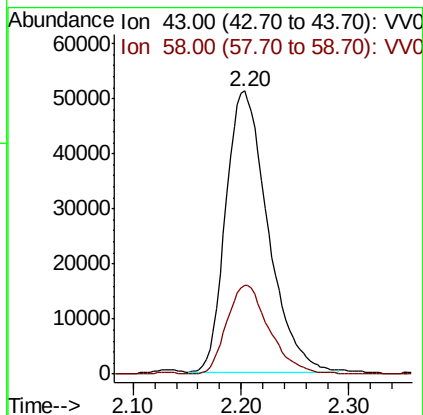
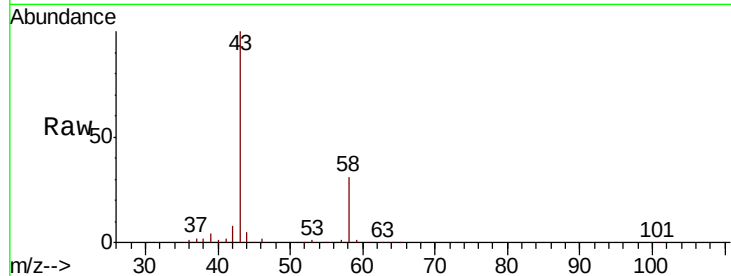
VSTD05061

Tot Ion: 43 Resp: 139016

Ion Ratio Lower Upper

43 100

58 32.0 0.0 64.0



#14

Carbon disulfide

Concen: 50.922 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018510.D

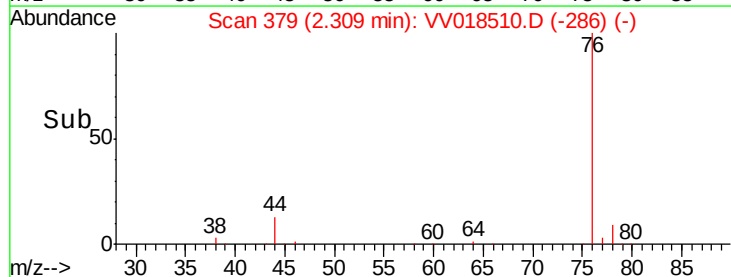
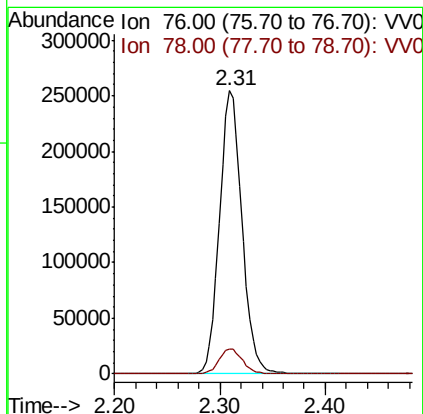
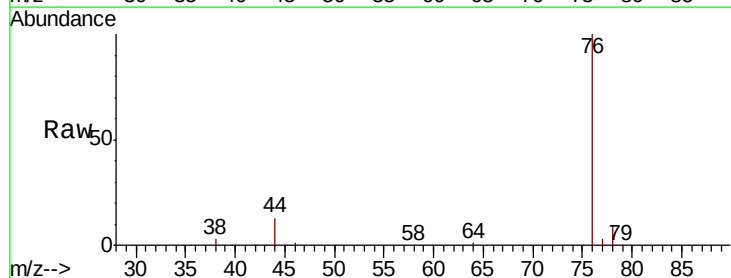
Acq: 29 Sep 2020 12:15

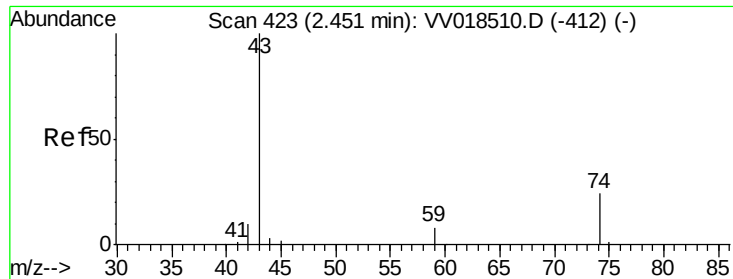
Tgt Ion: 76 Resp: 375954

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

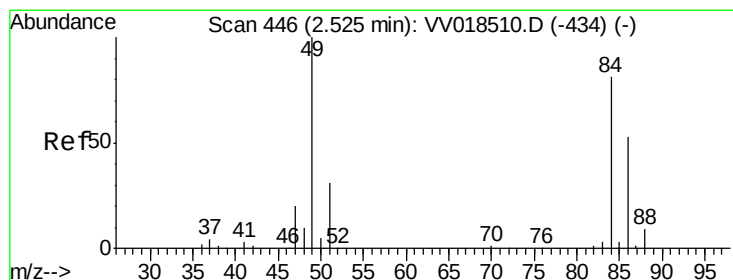
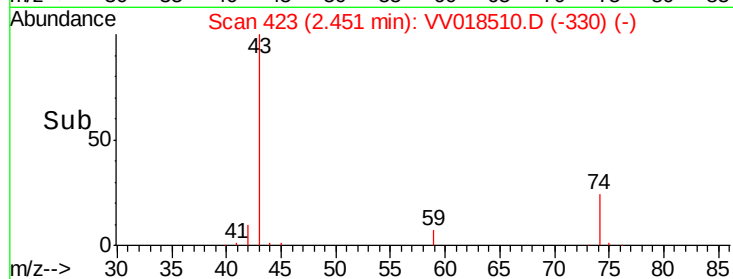
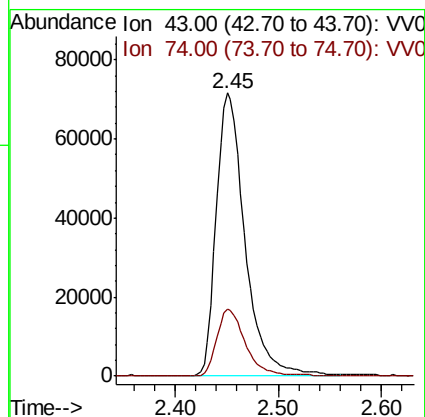
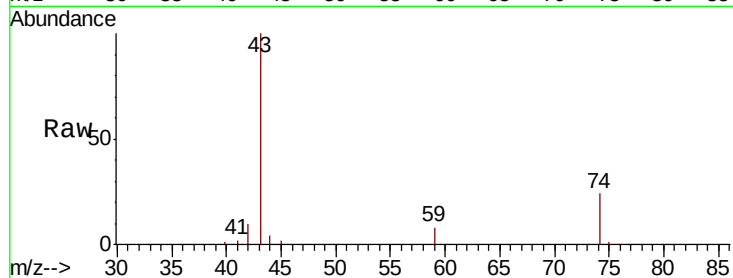




#15
Methyl Acetate
Concen: 52.086 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018510.D
Acq: 29 Sep 2020 12:15

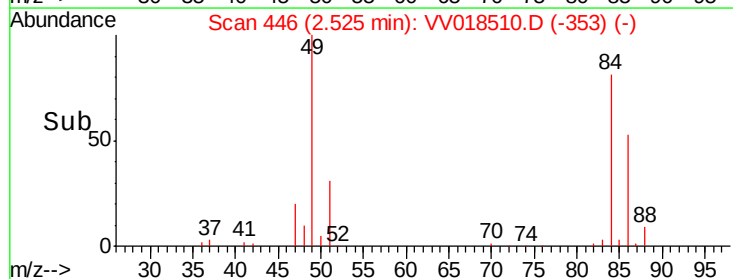
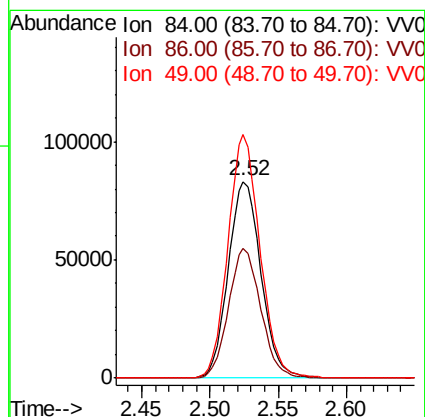
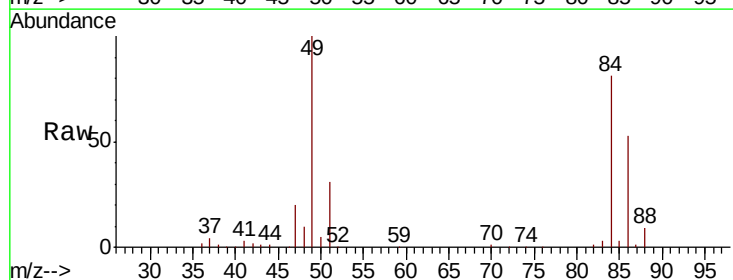
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

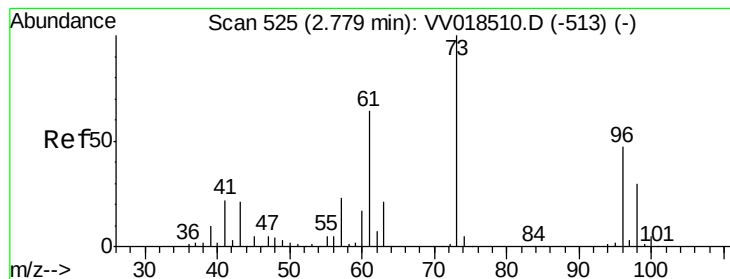
Tot Ion: 43 Resp: 137392
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 51.285 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018510.D
Acq: 29 Sep 2020 12:15

Tgt Ion: 84 Resp: 138773
Ion Ratio Lower Upper
84 100
86 66.0 46.2 85.8
49 123.7 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 54.080 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

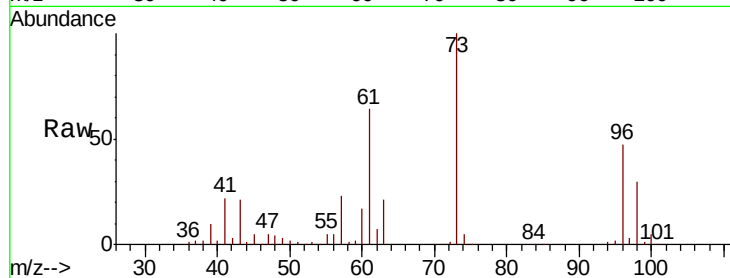
Tot Ion: 96 Resp: 134472

Ion Ratio Lower Upper

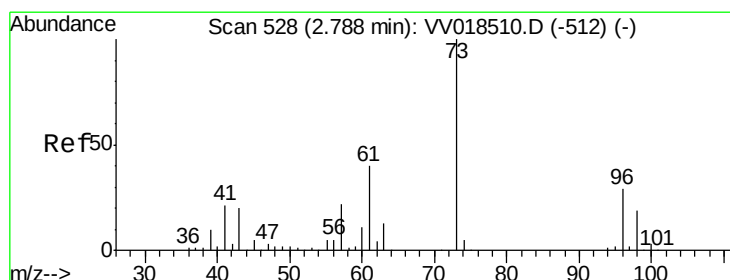
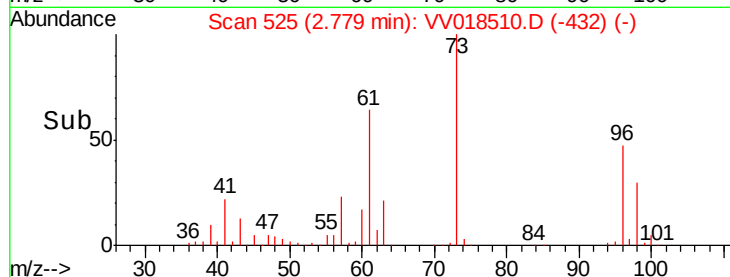
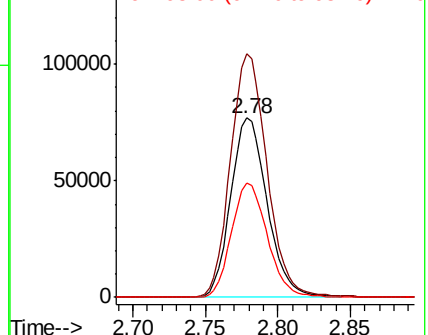
96 100

61 135.7 95.0 176.4

98 63.7 44.6 82.8



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: 53.187 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

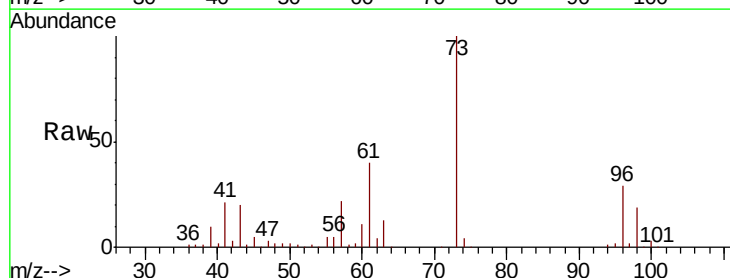
Tgt Ion: 73 Resp: 409104

Ion Ratio Lower Upper

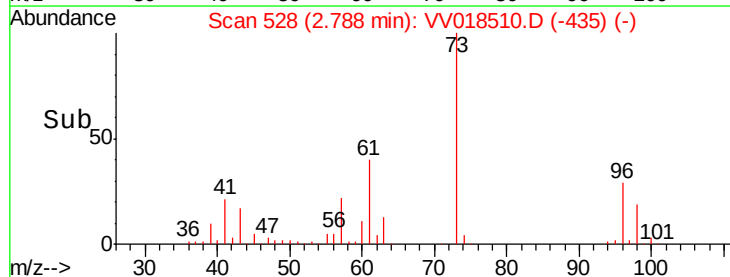
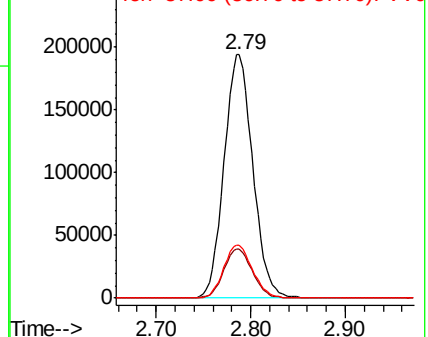
73 100

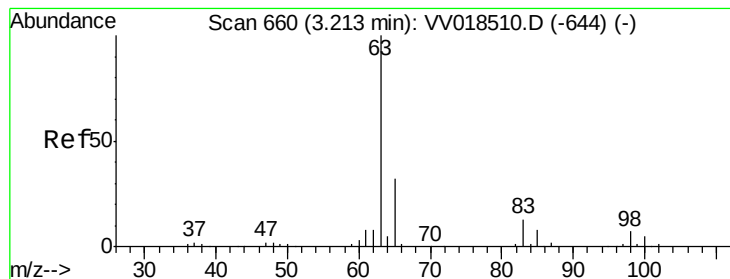
43 19.9 15.9 23.9

57 21.9 17.5 26.3



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: 50.217 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

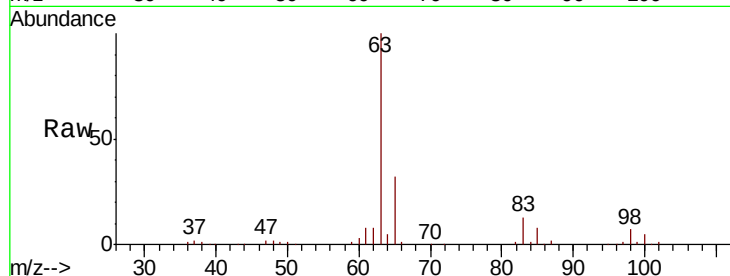
Tot Ion: 63 Resp: 236086

Ion Ratio Lower Upper

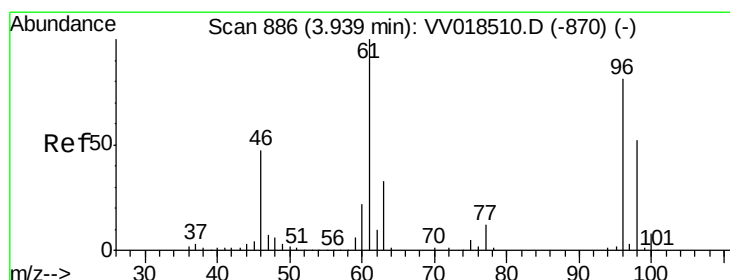
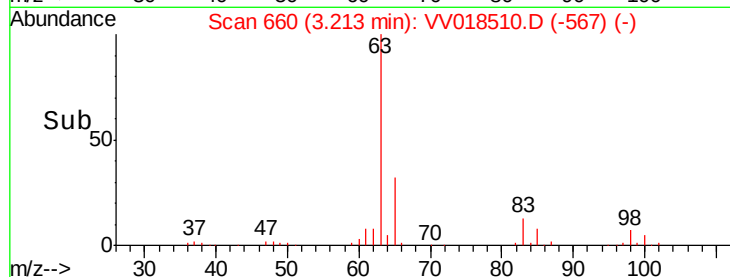
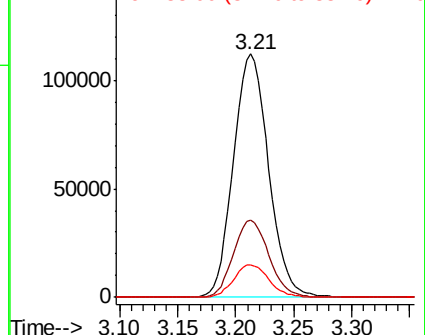
63 100

65 31.8 22.3 41.3

83 13.3 9.3 17.3



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: 54.838 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

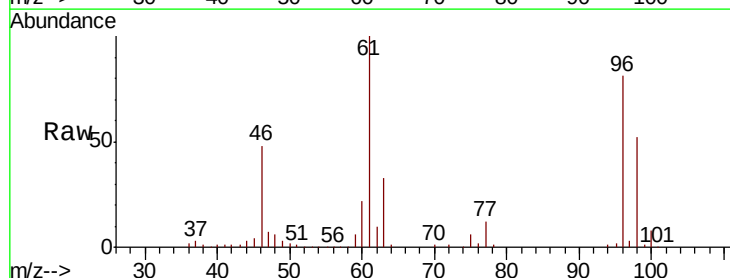
Tgt Ion: 96 Resp: 145763

Ion Ratio Lower Upper

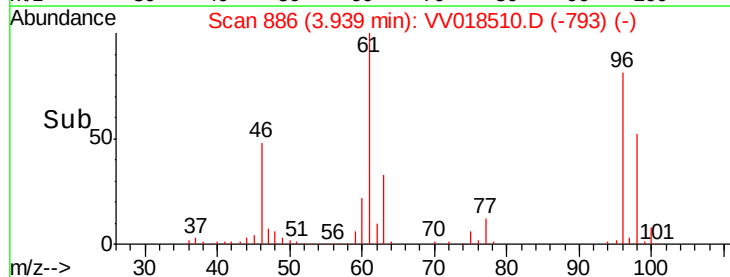
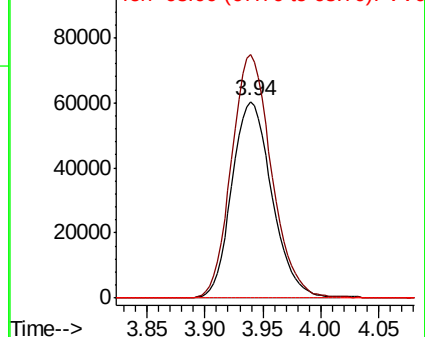
96 100

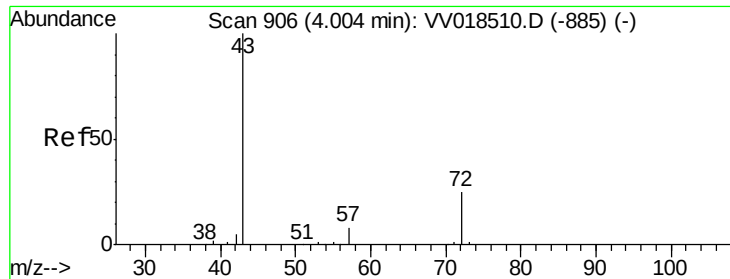
61 124.0 86.8 161.2

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: 114.950 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

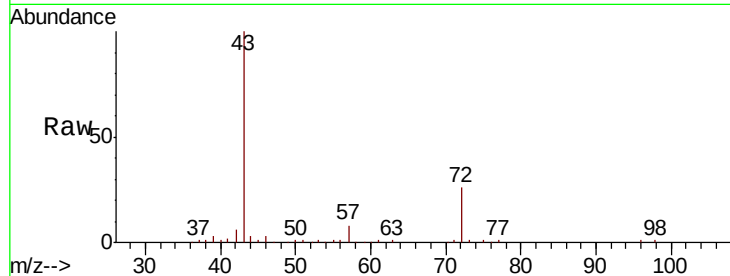
VSTD05061

Tot Ion: 43 Resp: 199790

Ion Ratio Lower Upper

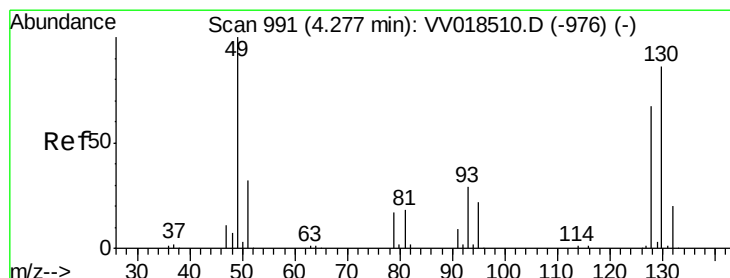
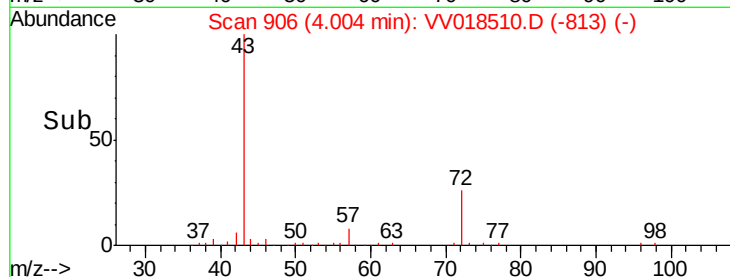
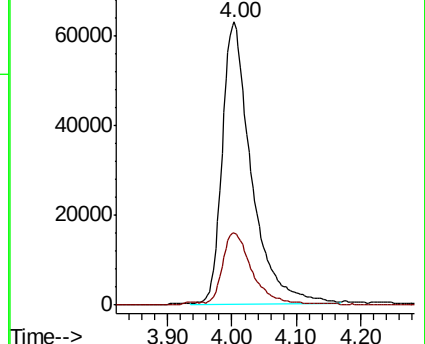
43 100

72 24.2 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018510.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV018510.D (-885) (-)



#23

Bromochloromethane

Concen: 56.579 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Tgt Ion:128 Resp: 78685

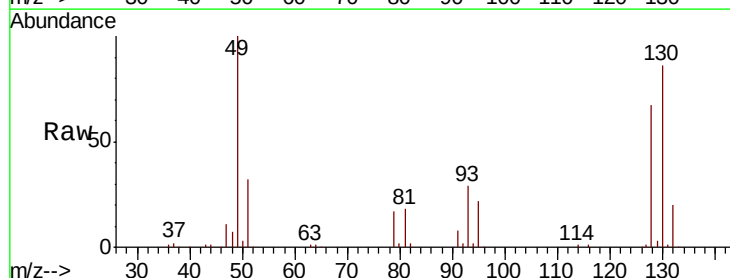
Ion Ratio Lower Upper

128 100

49 150.1 105.1 195.1

130 128.6 90.0 167.2

51 48.2 38.6 57.8

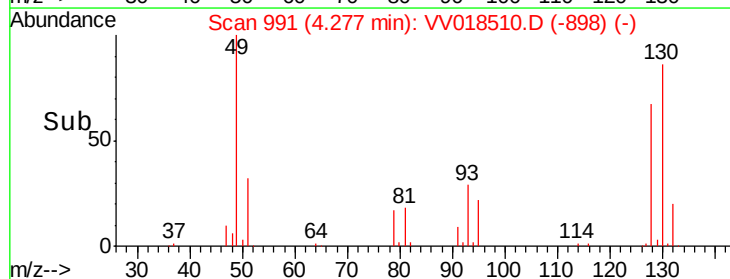
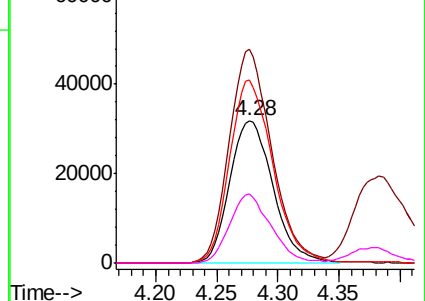


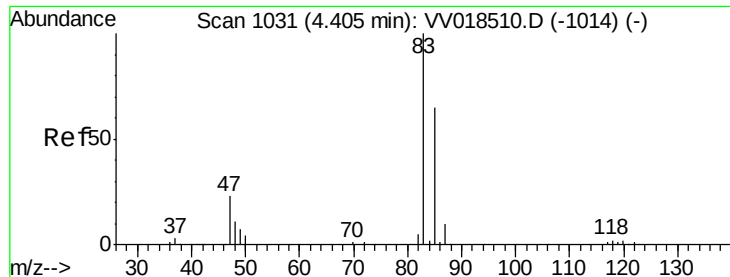
Abundance Ion 128.00 (127.70 to 128.70): VV018510.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV018510.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018510.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018510.D (-976) (-)

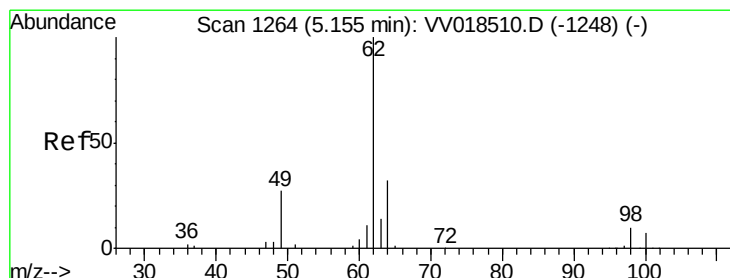
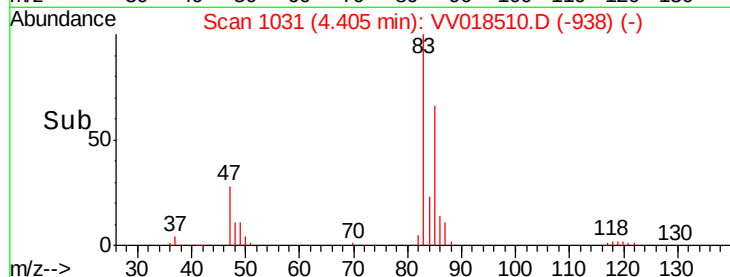
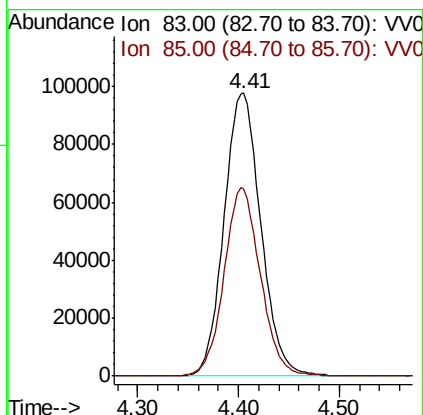
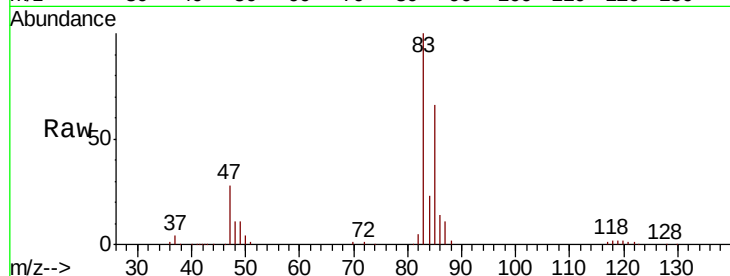




#25
Chloroform
Concen: 51.980 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV018510.D
Acq: 29 Sep 2020 12:15

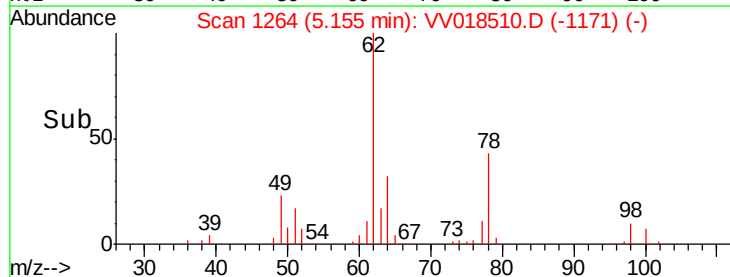
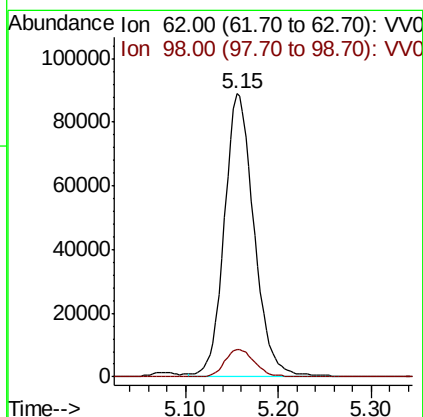
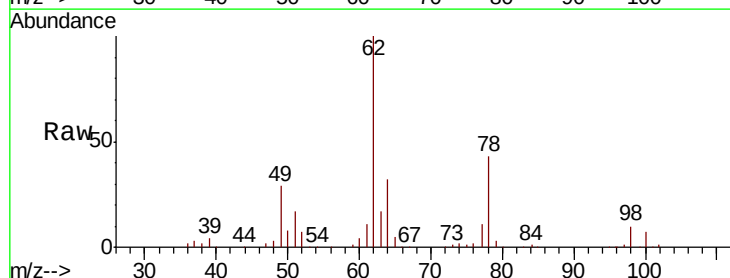
Instrument :
MSVOA_V
ClientSampled :
VSTD05061

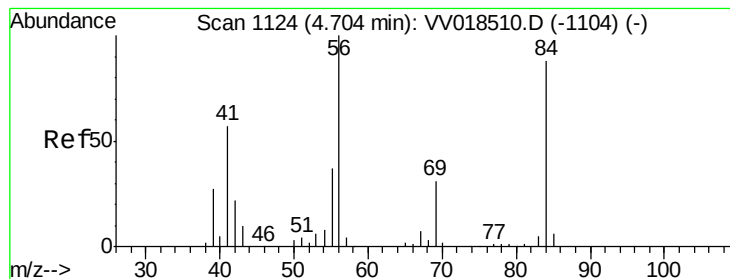
Tot Ion: 83 Resp: 248406
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 53.221 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018510.D
Acq: 29 Sep 2020 12:15

Tgt Ion: 62 Resp: 196897
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5





#29

Cyclohexane

Concen: 51.887 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

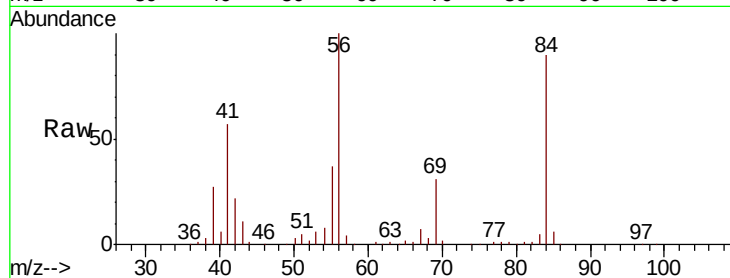
Tot Ion: 56 Resp: 213385

Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

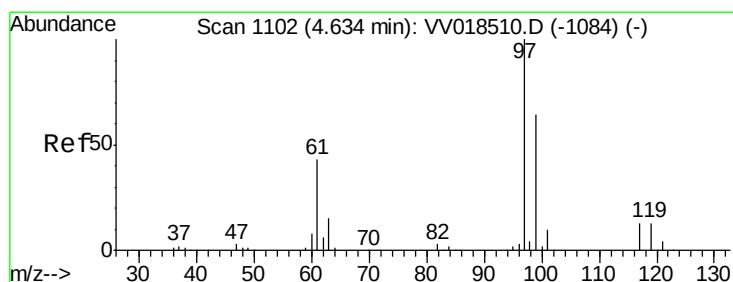
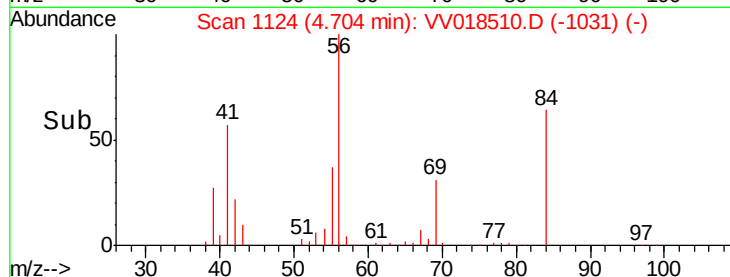
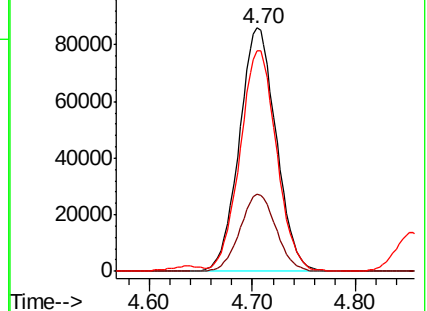
84 90.3 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV018510.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018510.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018510.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 55.060 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

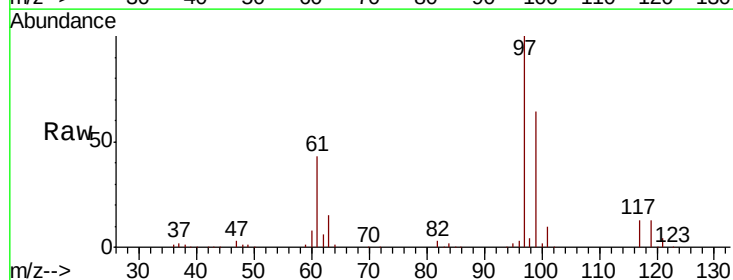
Tgt Ion: 97 Resp: 227569

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

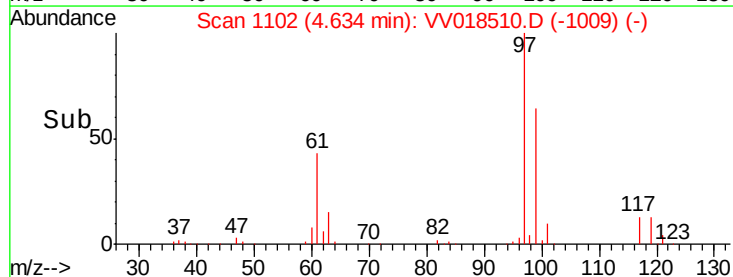
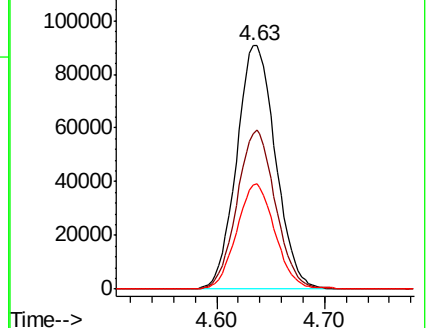
61 42.4 33.9 50.9

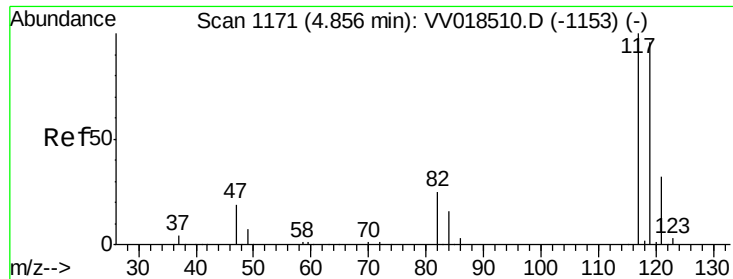


Abundance Ion 97.00 (96.70 to 97.70): VV018510.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018510.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018510.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 56.071 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

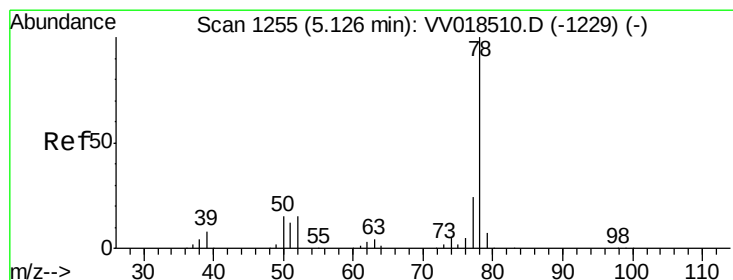
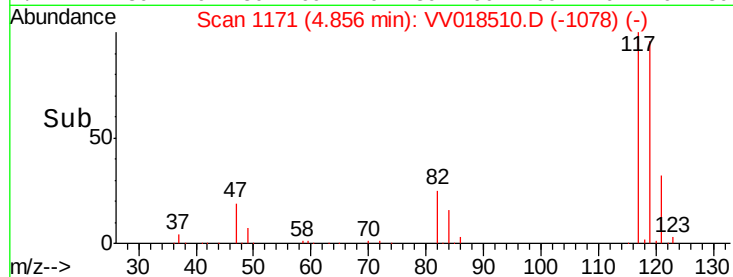
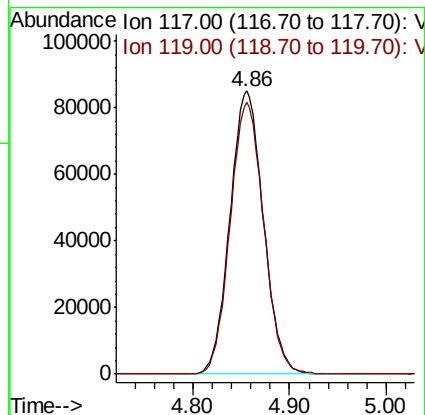
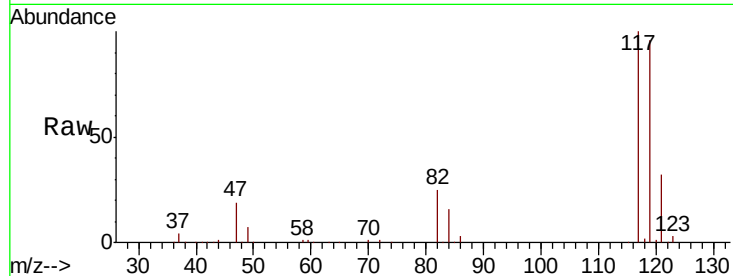
VSTD05061

Tot Ion:117 Resp: 203779

Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.6



#33

Benzene

Concen: 52.840 ug/L

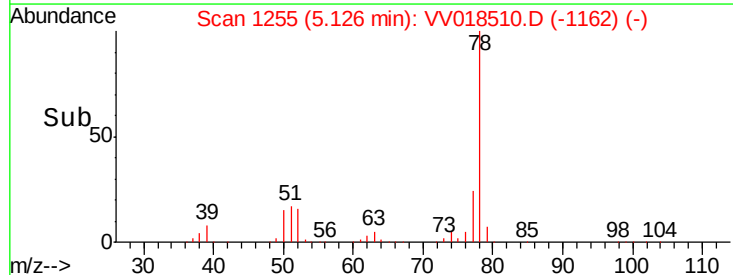
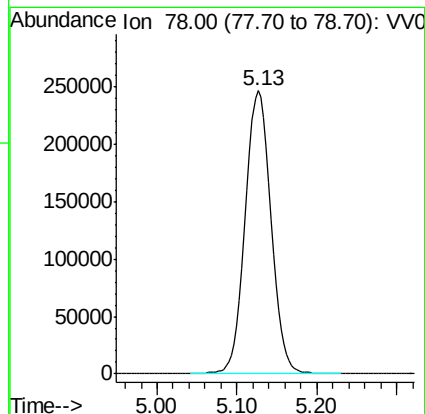
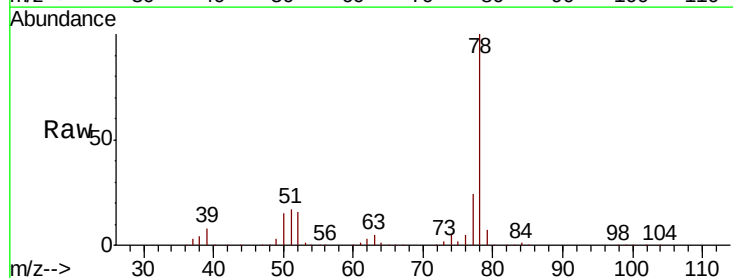
RT: 5.13 min Scan# 1255

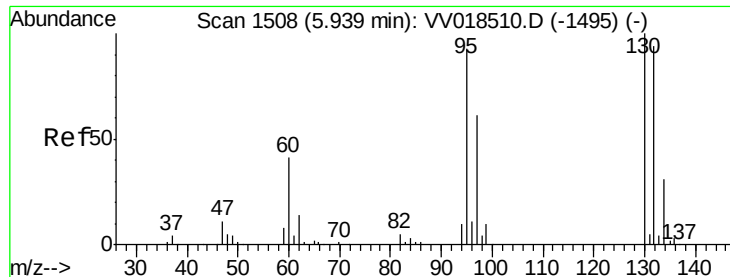
Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Tgt Ion: 78 Resp: 538042





#34

Trichloroethene

Concen: 55.199 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

Tot Ion: 95 Resp: 153111

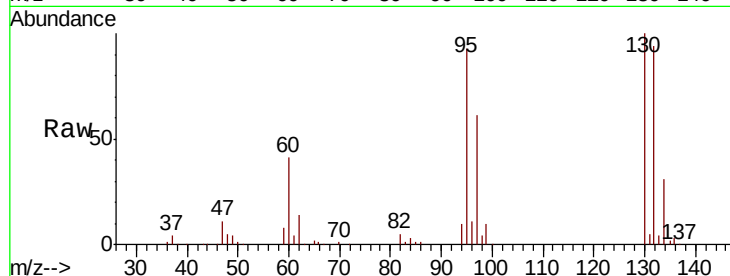
Ion Ratio Lower Upper

95 100

97 65.6 45.9 85.3

132 101.1 70.8 131.4

130 107.5 75.3 139.8

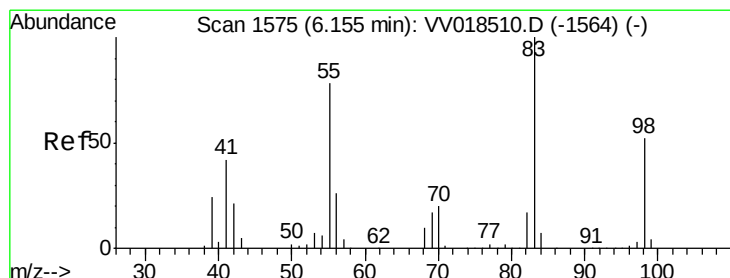
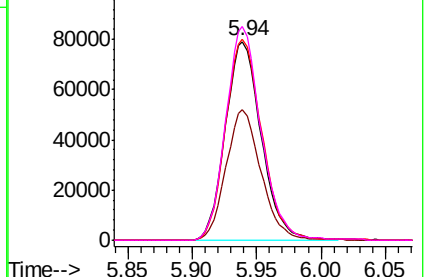
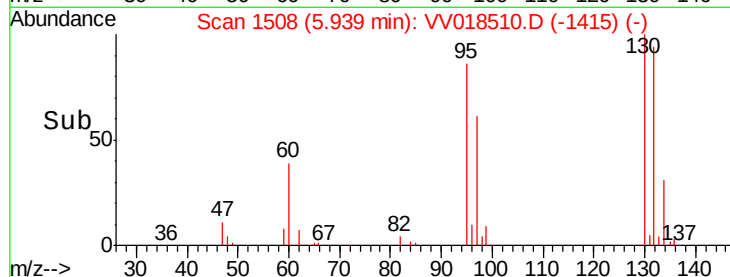


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 50.644 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

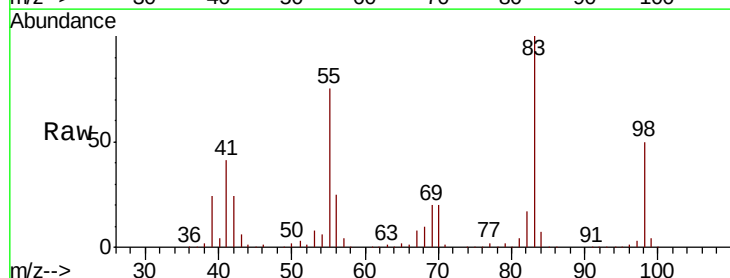
Tgt Ion: 83 Resp: 211510

Ion Ratio Lower Upper

83 100

55 75.1 60.1 90.1

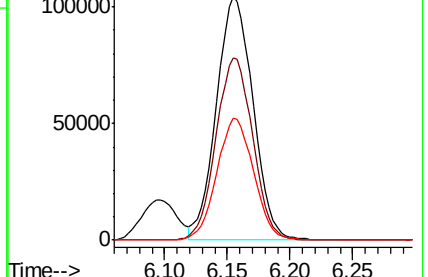
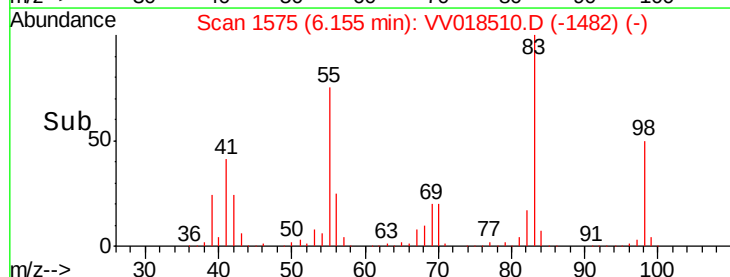
98 50.3 40.2 60.4

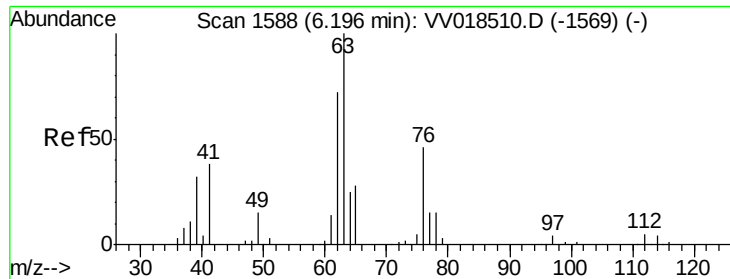


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

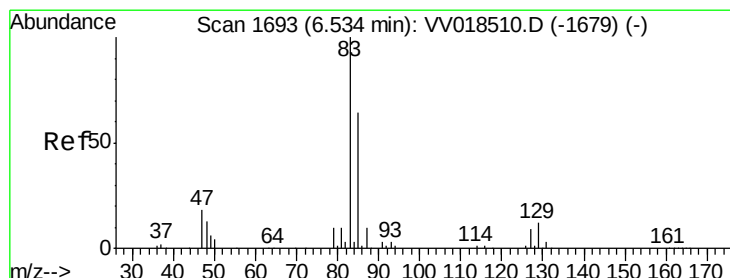
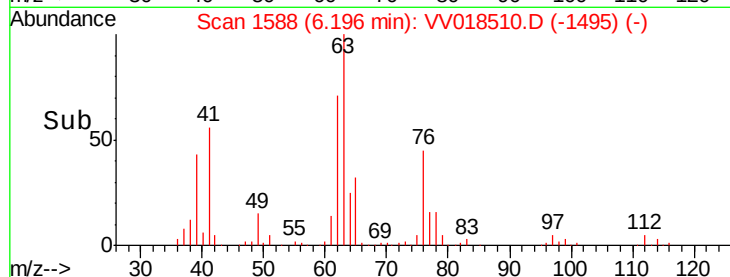
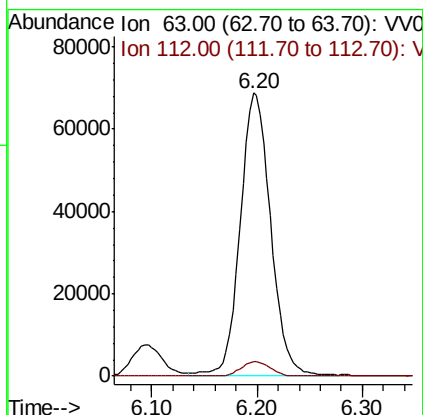
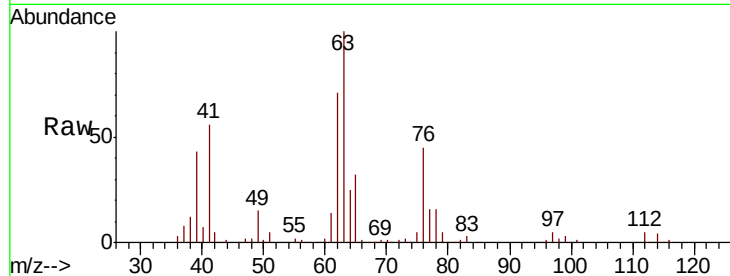




#37
 1,2-Dichloropropane
 Concen: 51.136 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

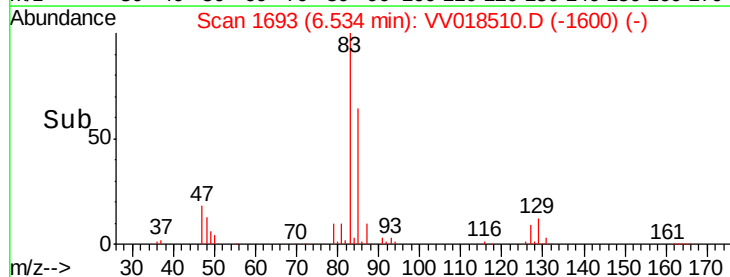
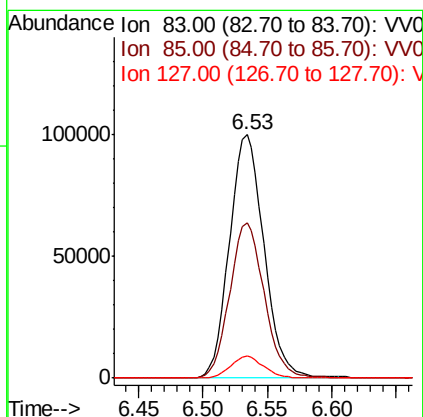
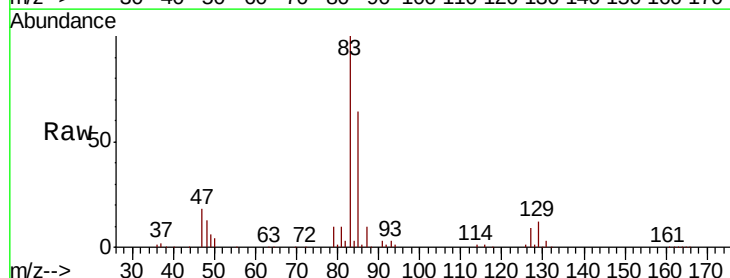
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

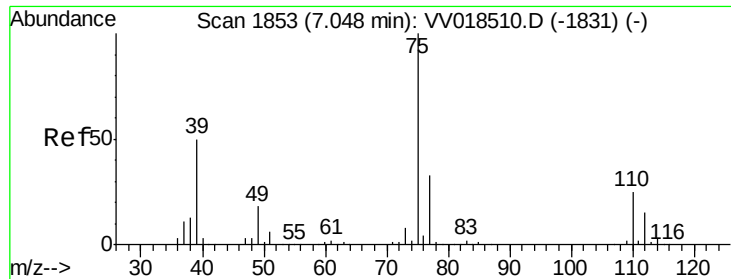
Tot Ion: 63 Resp: 137977
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 52.947 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

Tgt Ion: 83 Resp: 185912
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 9.0 7.2 10.8

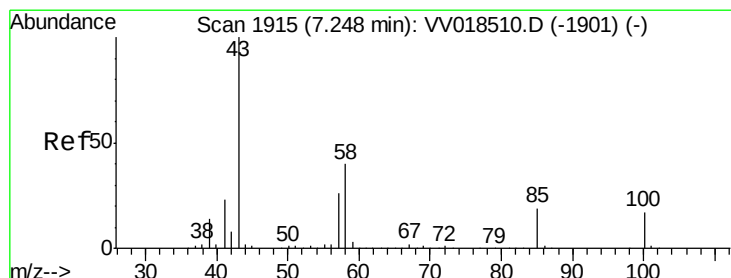
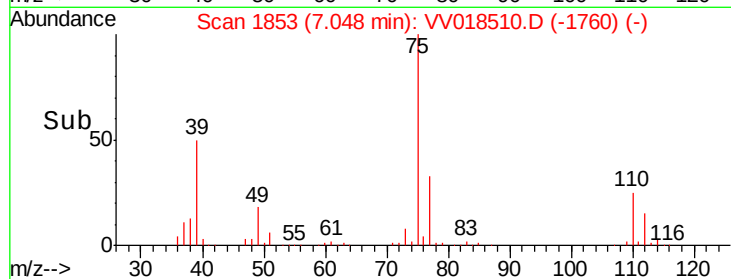
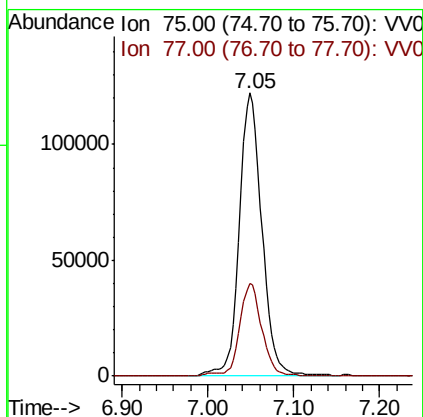
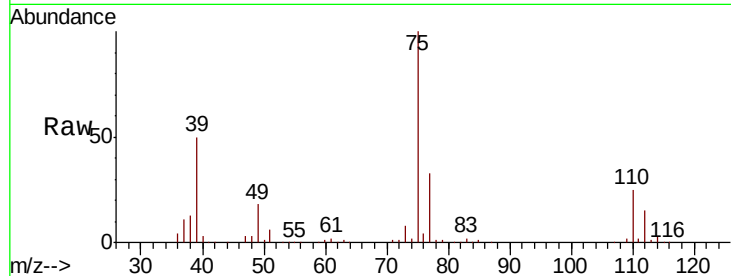




#39
 cis-1,3-Dichloropropene
 Concen: 53.841 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

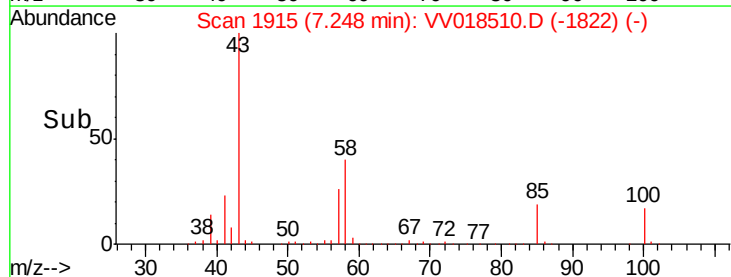
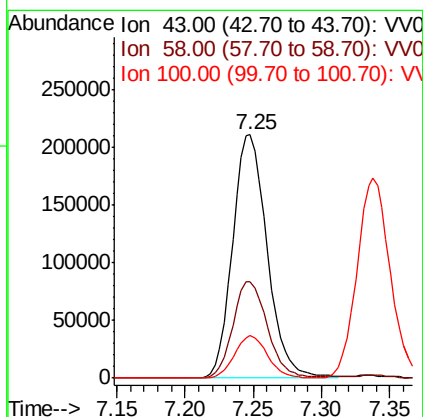
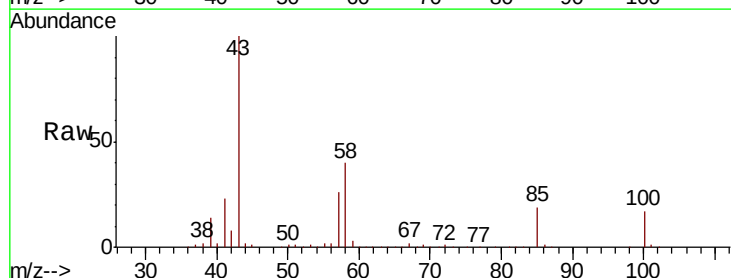
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

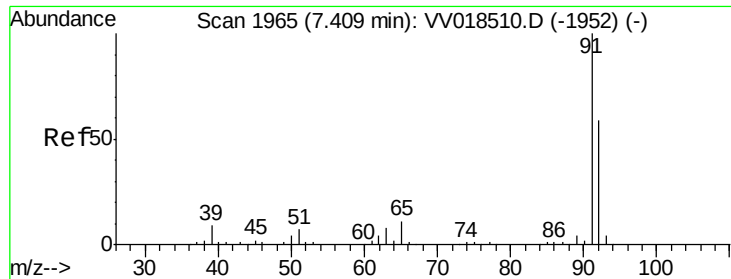
Tot Ion: 75 Resp: 223834
 Ion Ratio Lower Upper
 75 100
 77 32.8 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 113.674 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

Tgt Ion: 43 Resp: 372100
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.8 47.6
 100 16.7 13.4 20.0





#42

Toluene

Concen: 54.811 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

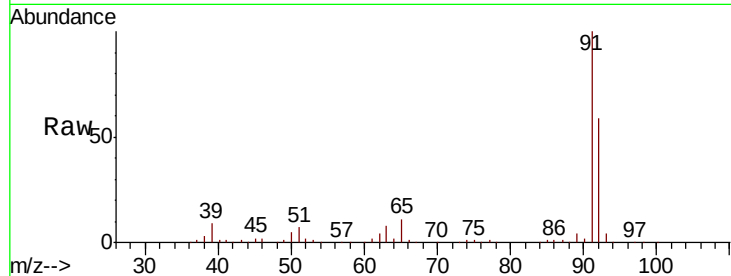
VSTD05061

Tot Ion: 91 Resp: 590635

Ion Ratio Lower Upper

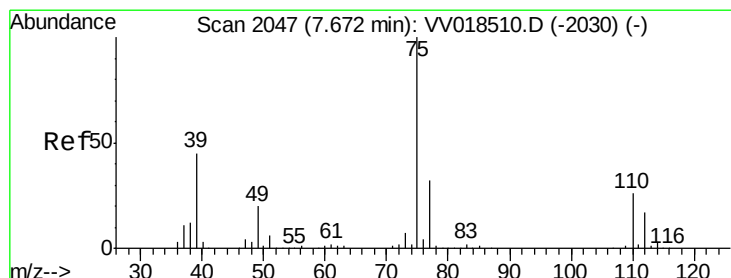
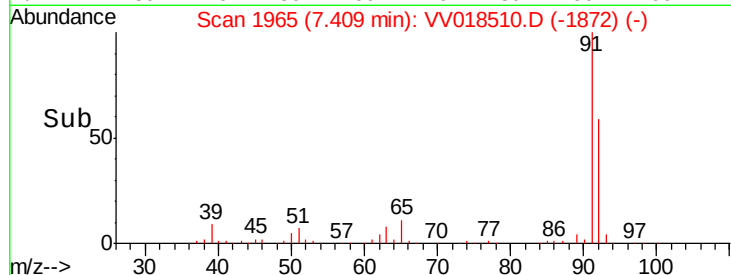
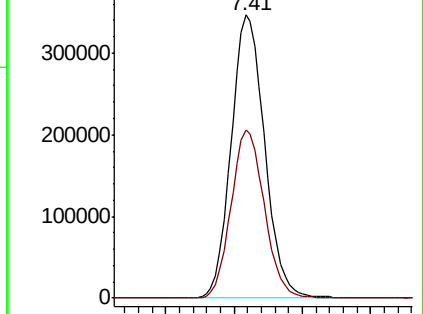
91 100

92 59.5 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV018510.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018510.D (-1952) (-)



#44

trans-1,3-Dichloropropene

Concen: 54.346 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018510.D

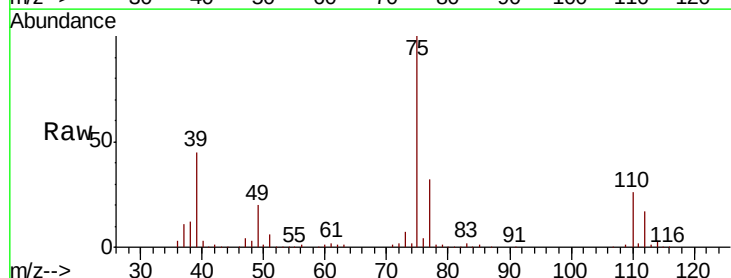
Acq: 29 Sep 2020 12:15

Tgt Ion: 75 Resp: 219983

Ion Ratio Lower Upper

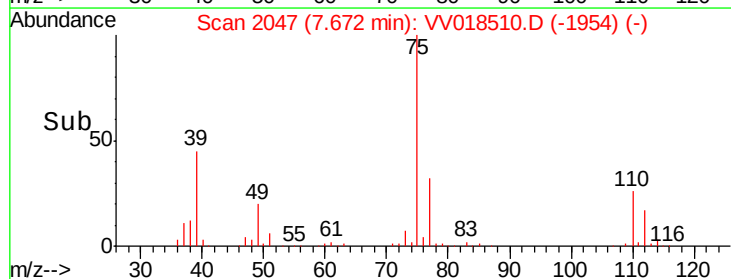
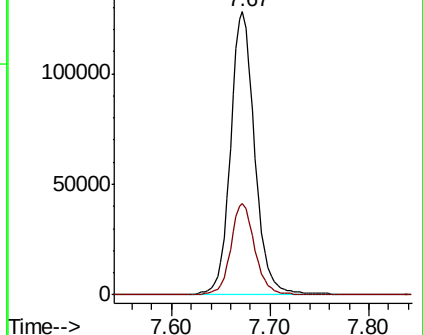
75 100

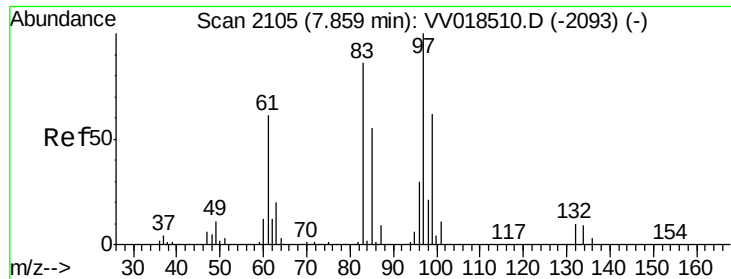
77 32.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV018510.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV018510.D (-2030) (-)

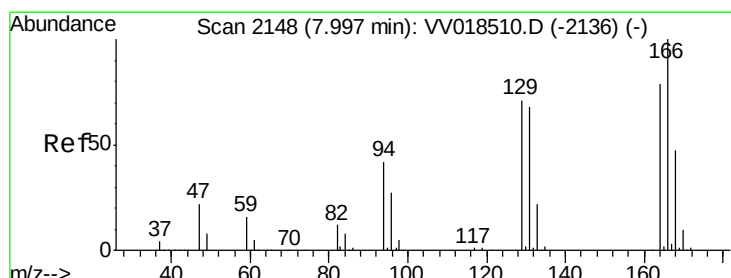
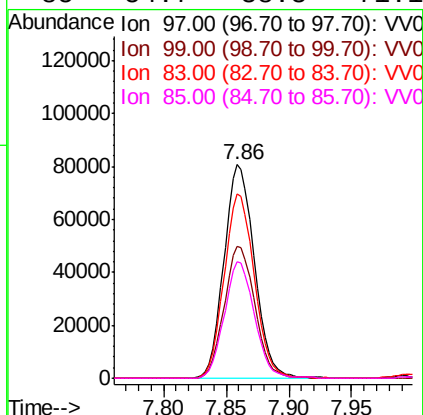
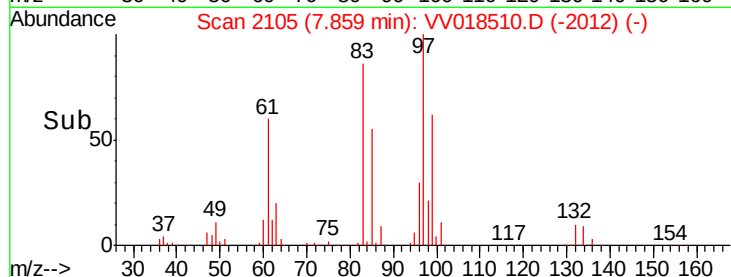
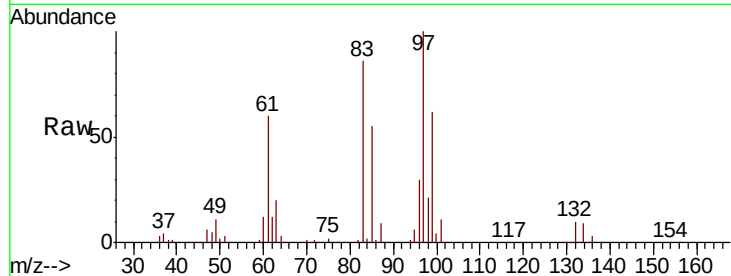




#45
 1,1,2-Trichloroethane
 Concen: 54.306 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

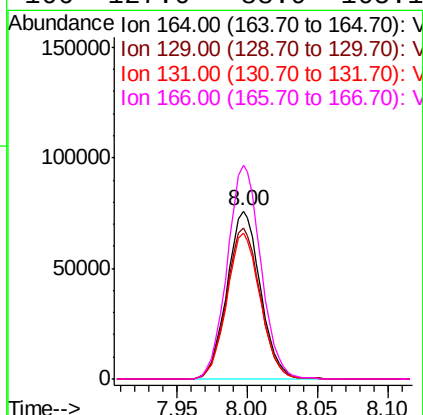
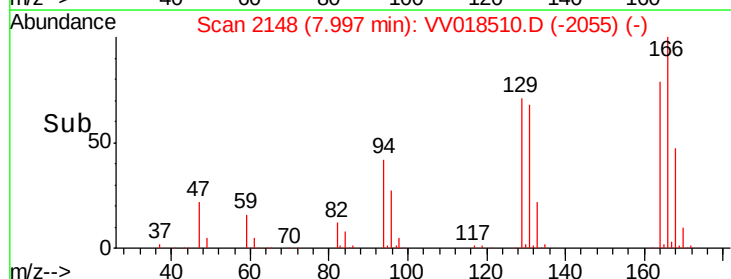
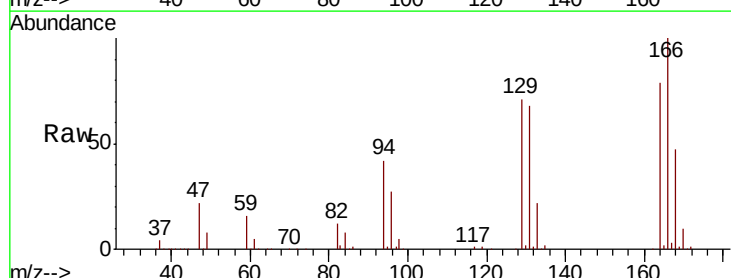
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

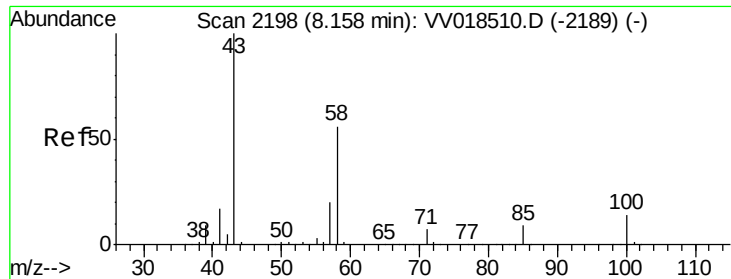
Tot Ion:	97	Resp:	135815
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	86.5	60.5	112.5
85	54.7	38.3	71.1



#46
 Tetrachloroethene
 Concen: 57.928 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

Tgt Ion:	164	Resp:	125986
Ion	Ratio	Lower	Upper
164	100		
129	89.7	62.8	116.6
131	86.8	60.8	112.8
166	127.0	88.9	165.1

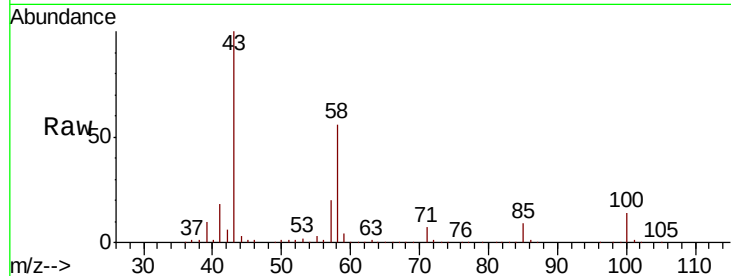




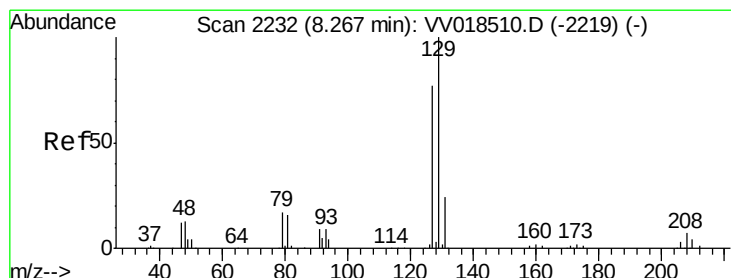
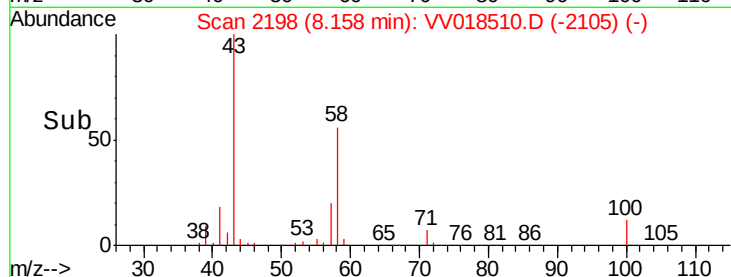
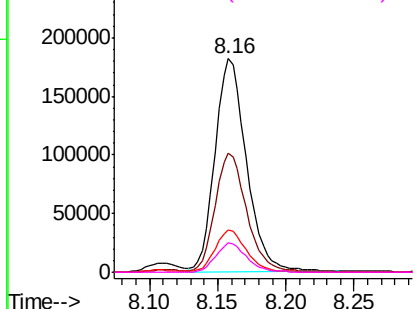
#48
2-Hexanone
Concen: 112.469 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018510.D
Acq: 29 Sep 2020 12:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Tot Ion: 43 Resp: 290246
Ion Ratio Lower Upper
43 100
58 56.4 45.1 67.7
57 19.6 15.7 23.5
100 13.7 11.0 16.4

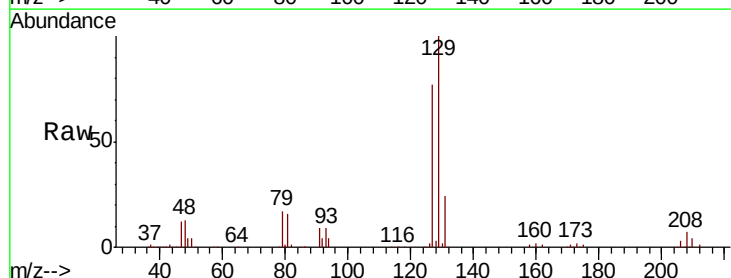


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

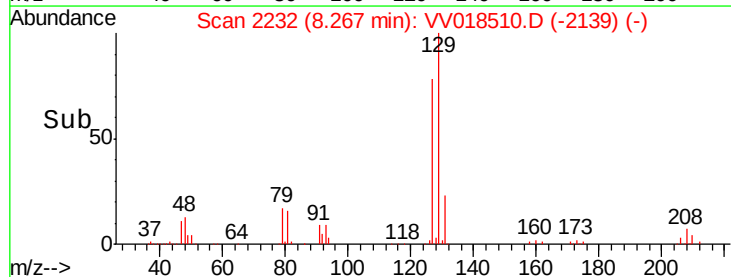
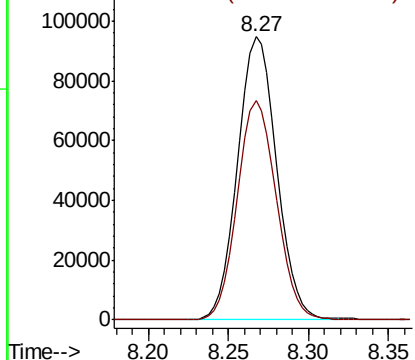


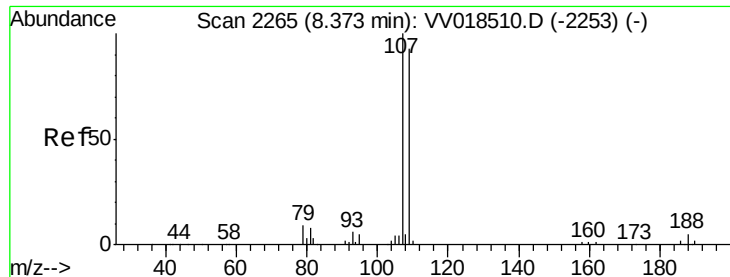
#49
Dibromochloromethane
Concen: 56.290 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018510.D
Acq: 29 Sep 2020 12:15

Tgt Ion: 129 Resp: 158020
Ion Ratio Lower Upper
129 100
127 77.3 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

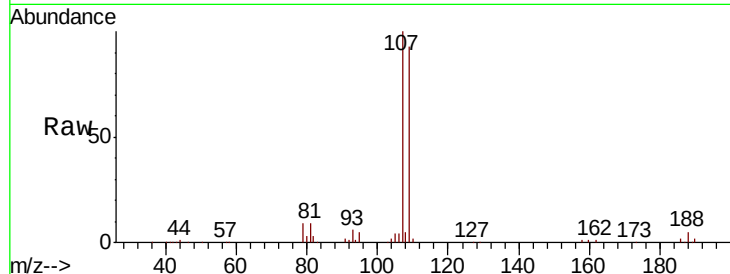




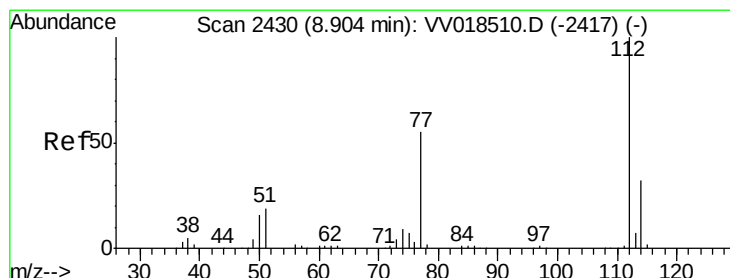
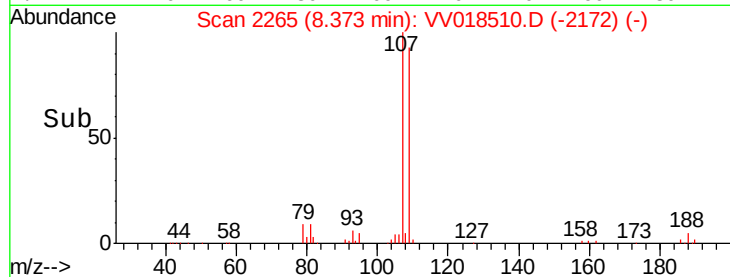
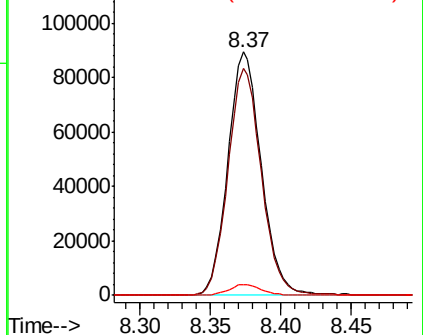
#50
 1,2-Dibromoethane
 Concen: 56.389 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tot Ion:107 Resp: 148422
 Ion Ratio Lower Upper
 107 100
 109 93.0 65.1 120.9
 188 4.6 3.7 5.5

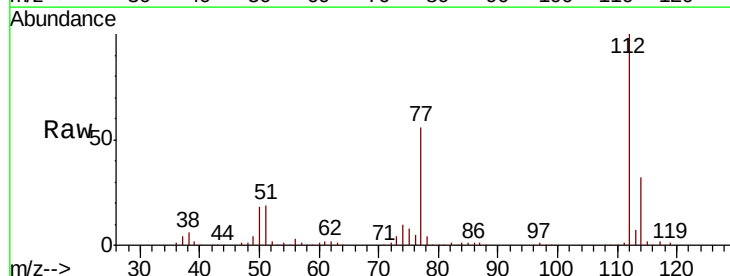


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

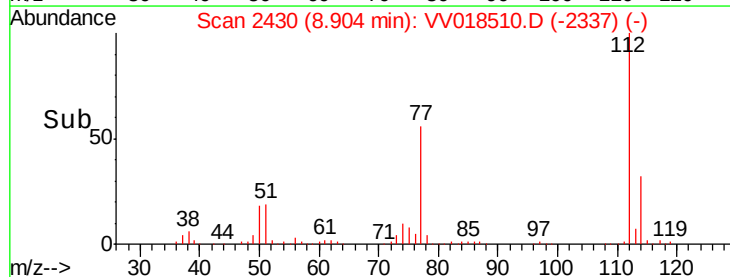
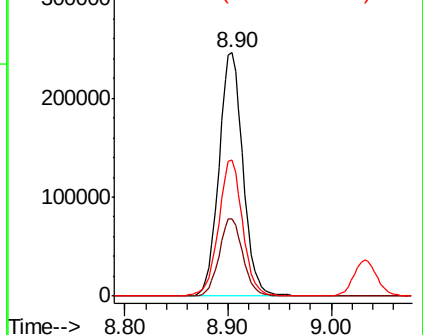


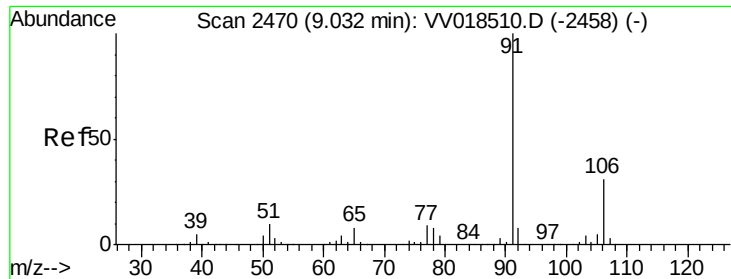
#51
 Chlorobenzene
 Concen: 56.680 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

Tgt Ion:112 Resp: 396658
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.4 41.6
 77 56.0 44.8 67.2



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): VV0





#52

Ethylbenzene

Concen: 56.125 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

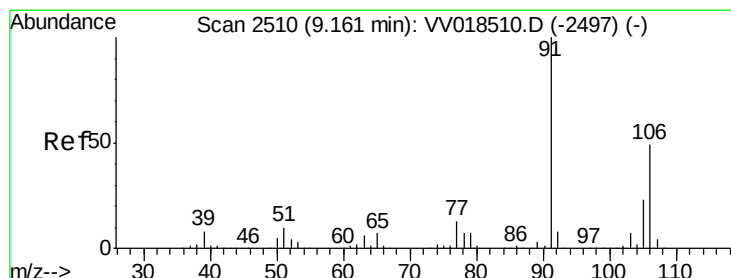
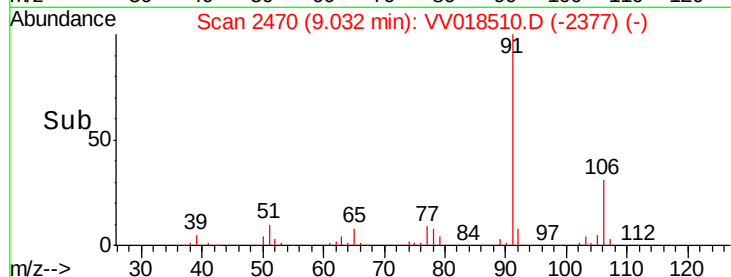
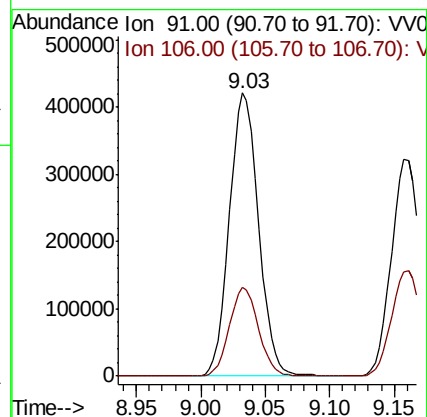
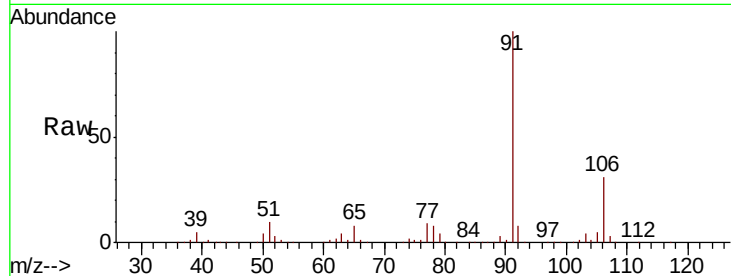
VSTD05061

Tot Ion: 91 Resp: 660280

Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



#53

m,p-Xylene

Concen: 58.015 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018510.D

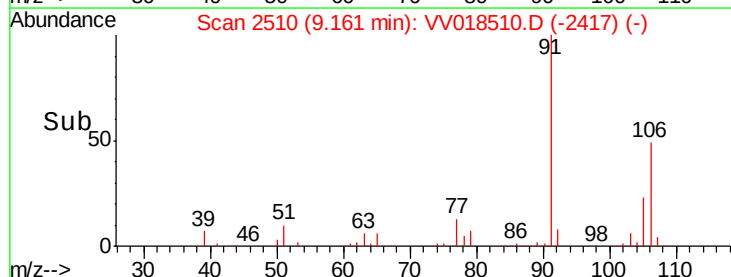
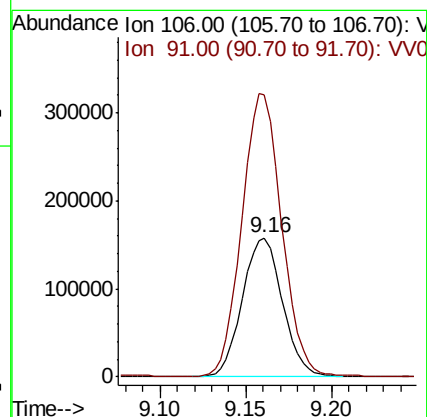
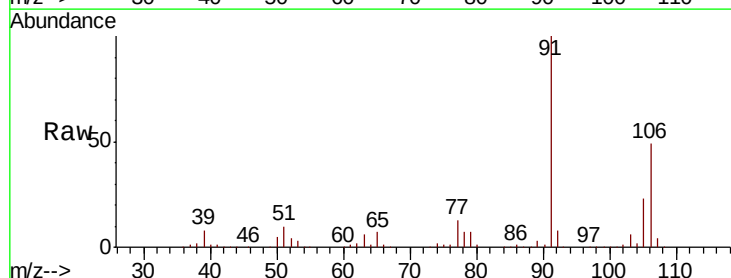
Acq: 29 Sep 2020 12:15

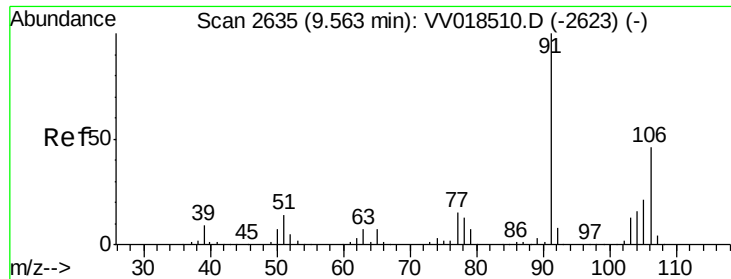
Tgt Ion: 106 Resp: 254754

Ion Ratio Lower Upper

106 100

91 203.3 142.3 264.3





#54

o-xylene

Concen: 57.801 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

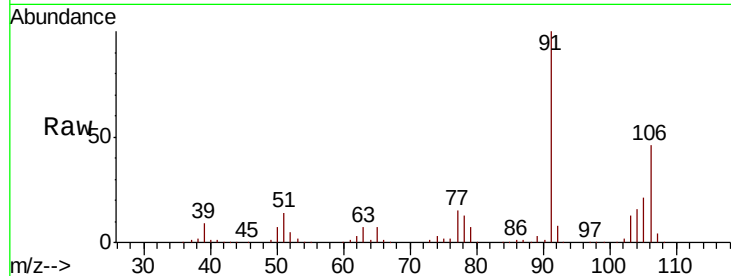
VSTD05061

Tot Ion:106 Resp: 244523

Ion Ratio Lower Upper

106 100

91 215.7 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

400000

300000

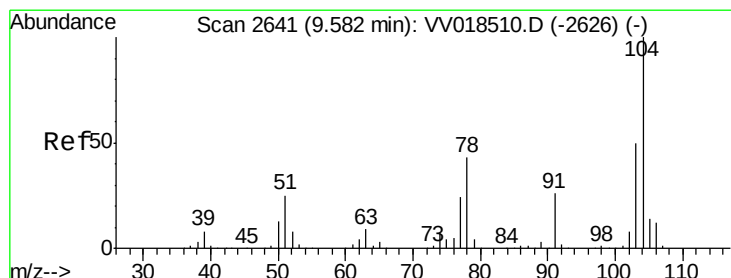
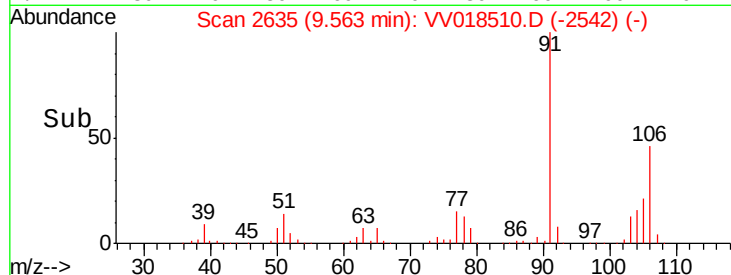
200000

100000

0

9.50 9.55 9.60

Time-->



#55

Styrene

Concen: 58.788 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018510.D

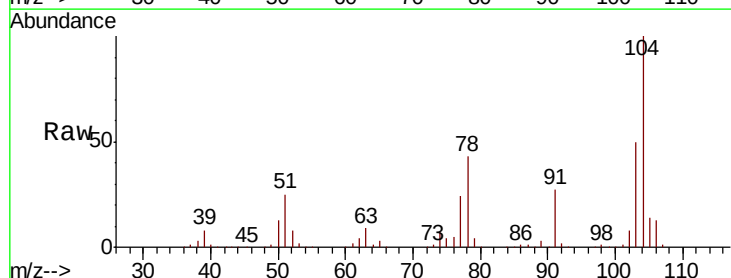
Acq: 29 Sep 2020 12:15

Tgt Ion:104 Resp: 432265

Ion Ratio Lower Upper

104 100

78 43.2 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

300000

250000

200000

150000

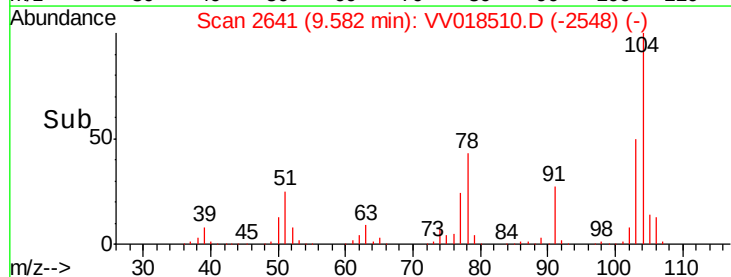
100000

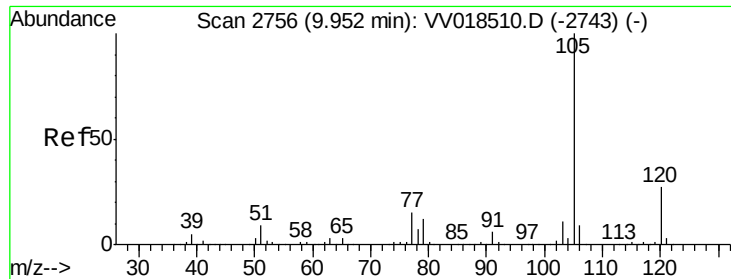
50000

0

9.50 9.55 9.60 9.70

Time-->





#56

Isopropylbenzene

Concen: 57.526 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

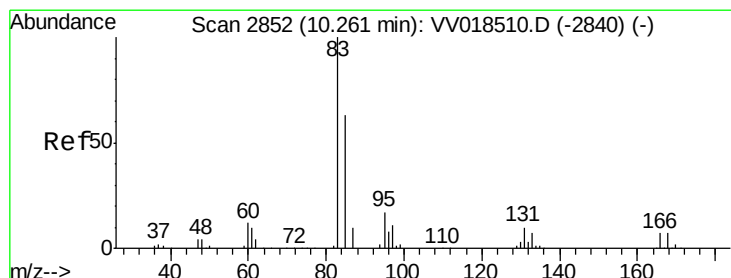
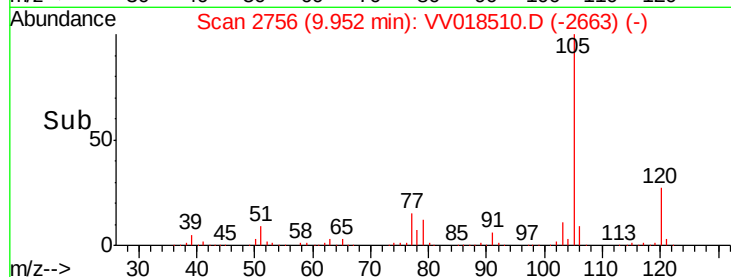
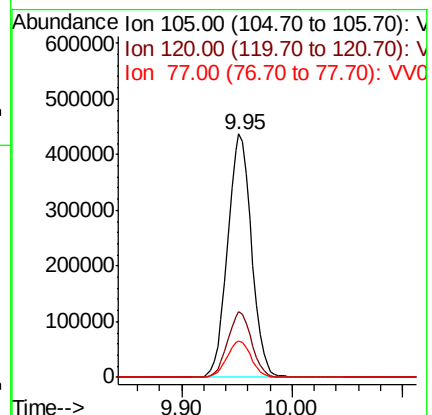
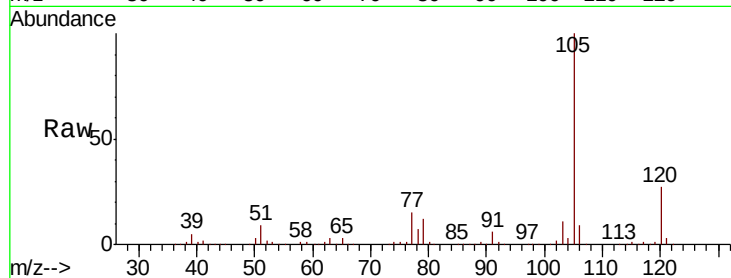
Tot Ion:105 Resp: 655870

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

77 15.2 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 53.688 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

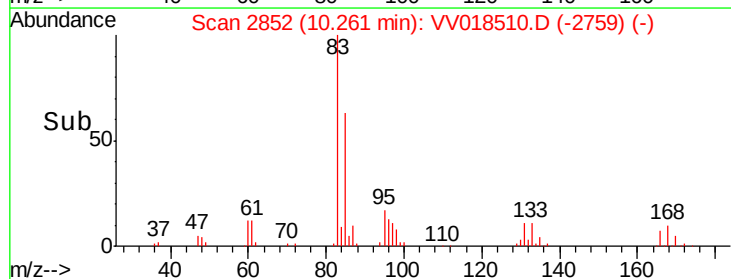
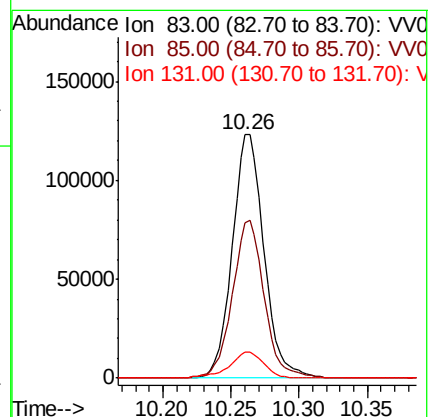
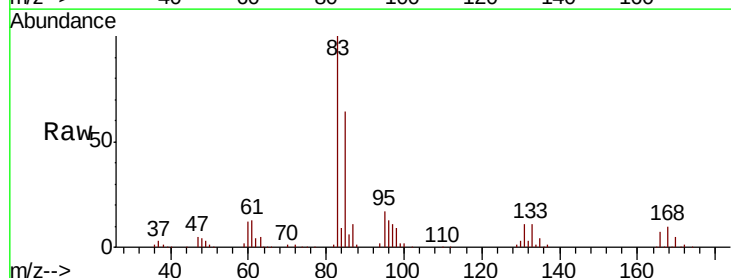
Tgt Ion: 83 Resp: 198615

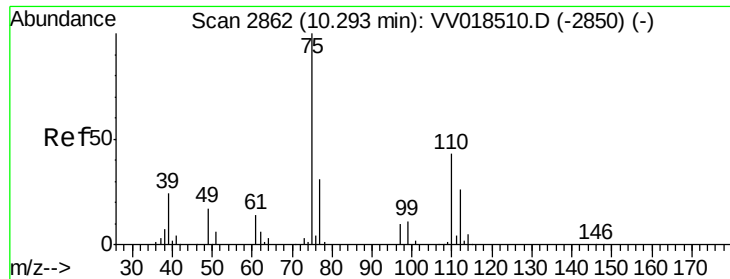
Ion Ratio Lower Upper

83 100

85 63.6 44.5 82.7

131 10.7 8.6 12.8





#59

1,2,3-Trichloropropane

Concen: 53.630 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

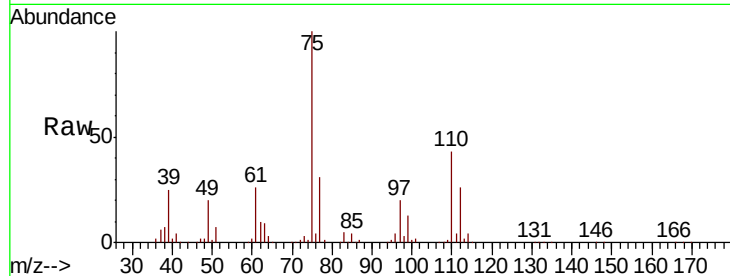
VSTD05061

Tot Ion: 75 Resp: 170201

Ion Ratio Lower Upper

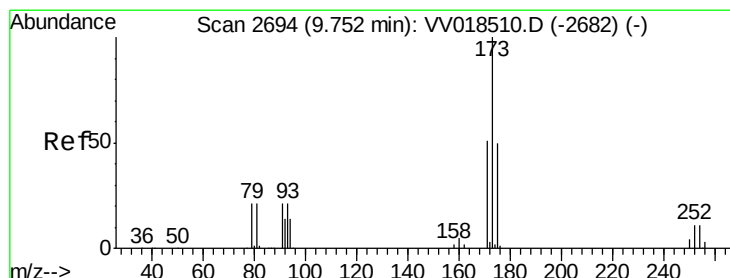
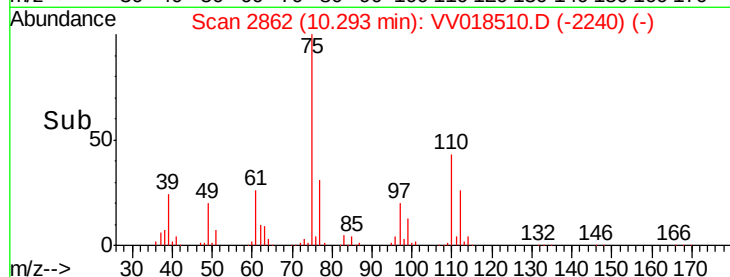
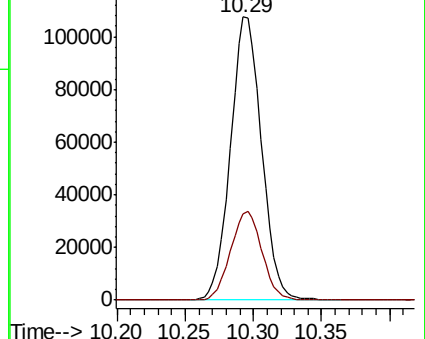
75 100

77 31.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV018510.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018510.D (-2850) (-)



#61

Bromoform

Concen: 55.227 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

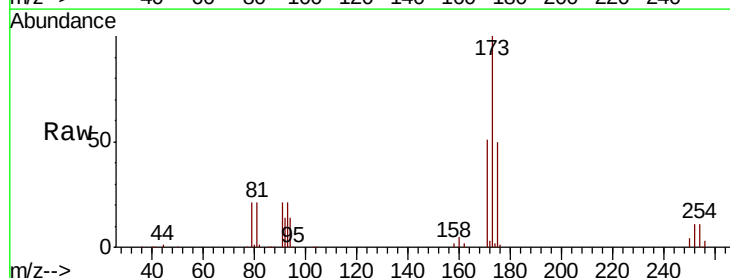
Tgt Ion: 173 Resp: 119967

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

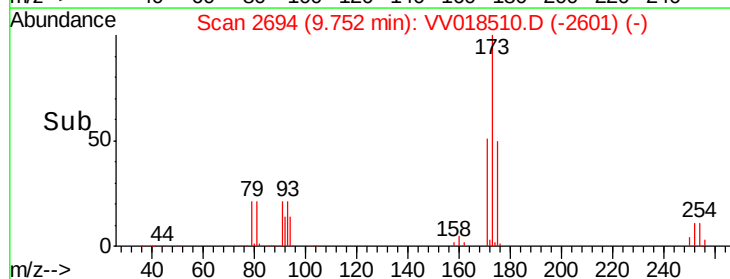
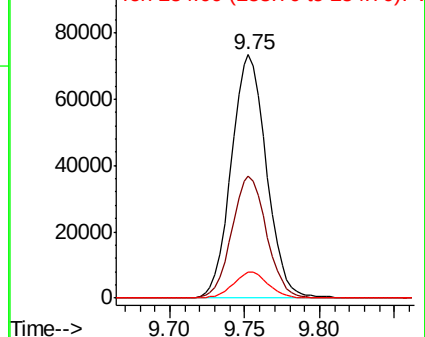
254 10.6 8.5 12.7

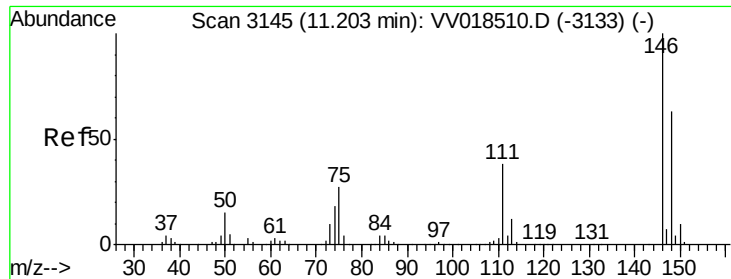


Abundance Ion 173.00 (172.70 to 173.70): VV018510.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018510.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018510.D (-2682) (-)

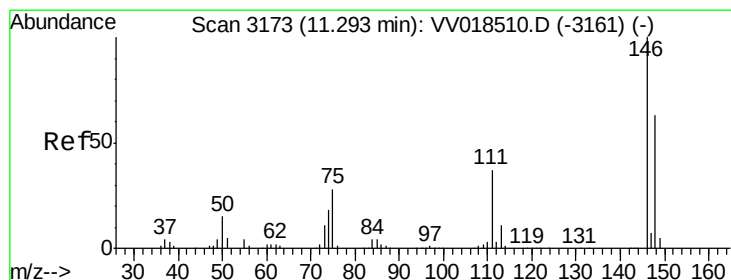
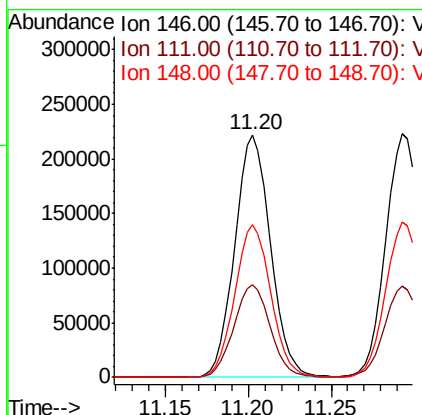
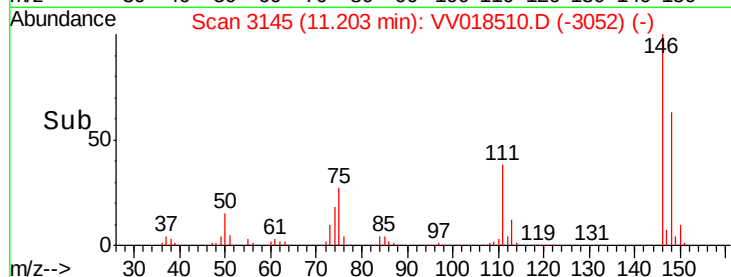
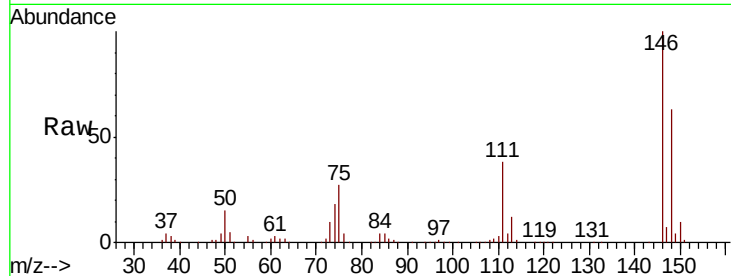




#62
 1,3-Dichlorobenzene
 Concen: 55.445 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

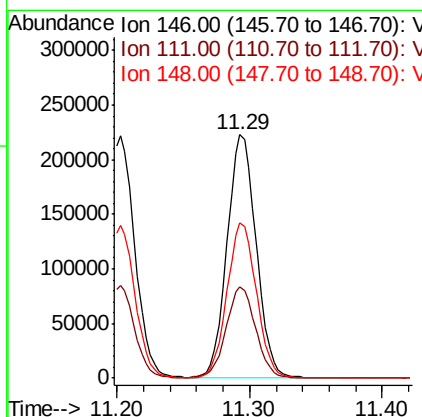
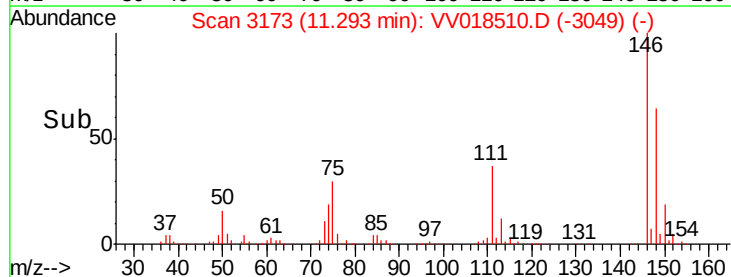
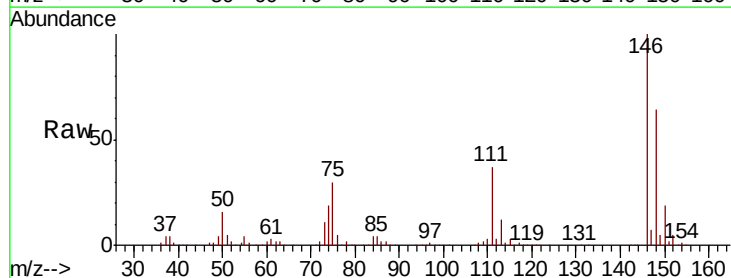
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

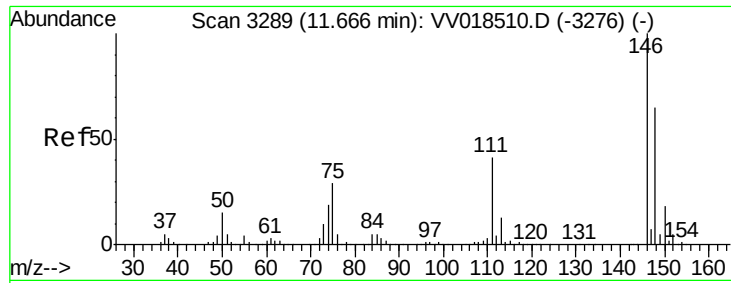
Tot Ion:146 Resp: 333371
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.8 49.8
 148 62.9 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 54.917 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

Tgt Ion:146 Resp: 339398
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.2 48.6
 148 63.5 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 53.393 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

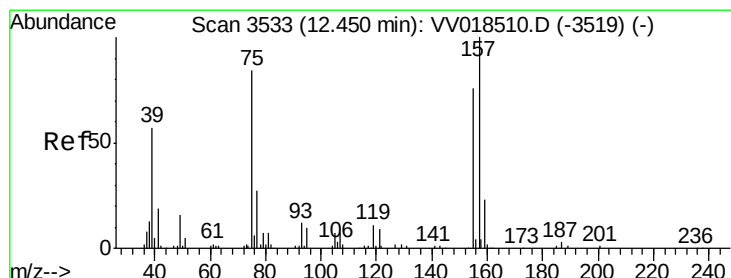
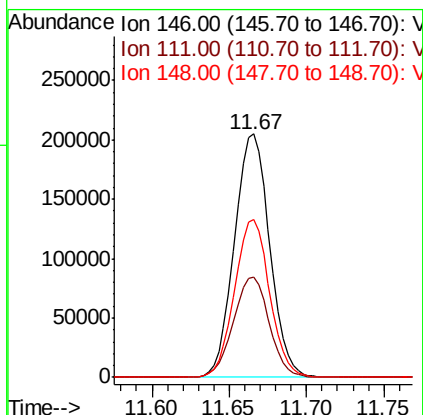
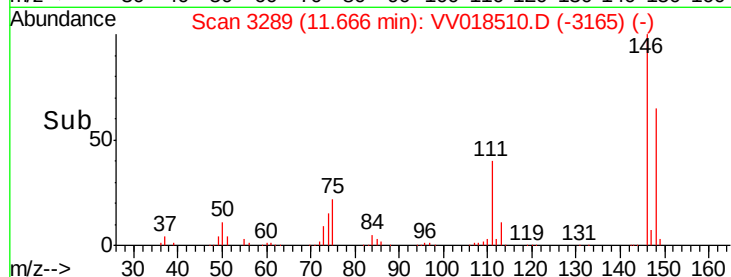
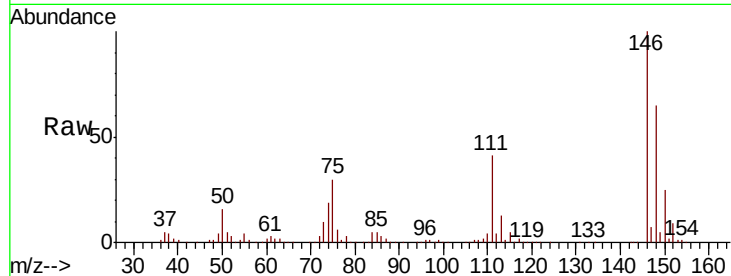
Tot Ion:146 Resp: 324494

Ion Ratio Lower Upper

146 100

111 41.0 32.8 49.2

148 64.9 51.9 77.9



#66

1,2-Dibromo-3-chloropropane

Concen: 54.601 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

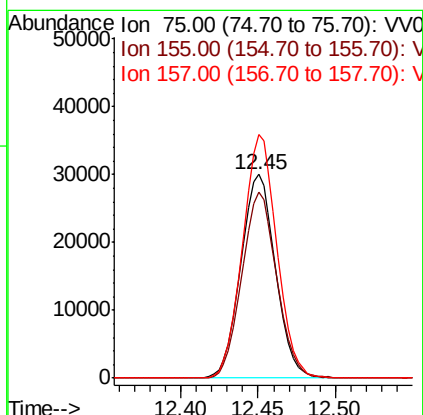
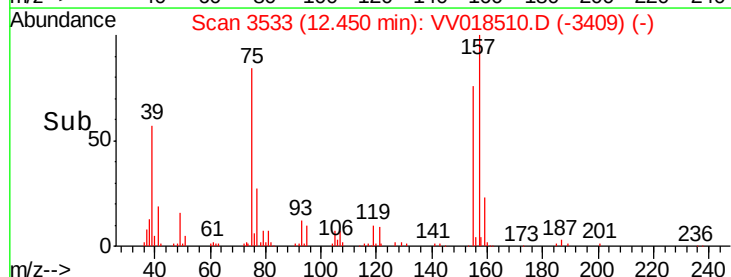
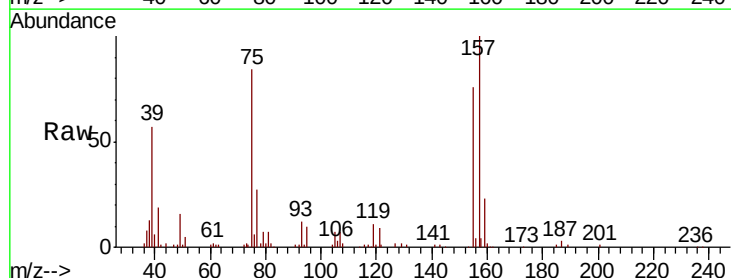
Tgt Ion: 75 Resp: 46827

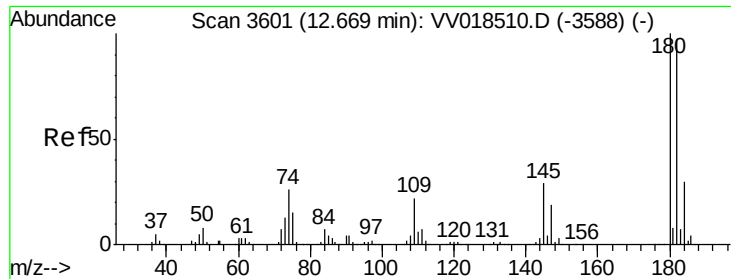
Ion Ratio Lower Upper

75 100

155 91.3 73.0 109.6

157 119.7 95.8 143.6

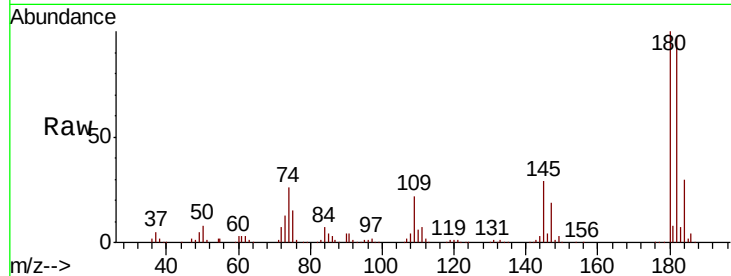




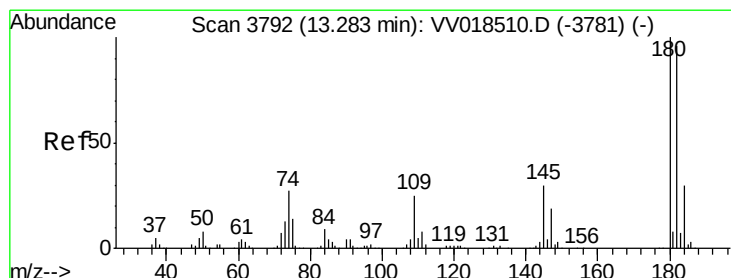
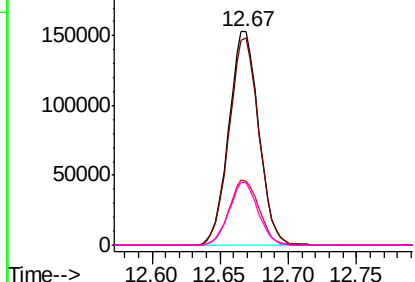
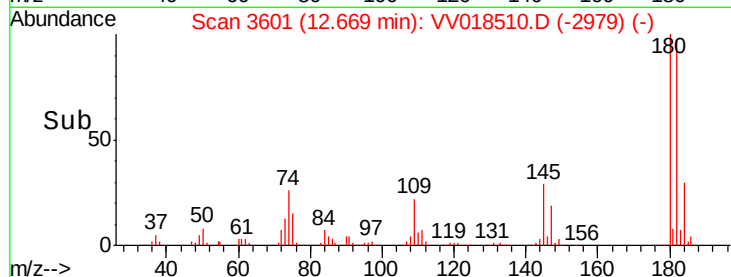
#67
 1,3,5-Trichlorobenzene
 Concen: 49.207 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tot Ion:180	Resp:	233247
Ion Ratio	Lower	Upper
180	100	
182	96.4	77.1 115.7
184	30.4	24.3 36.5
145	28.6	22.9 34.3

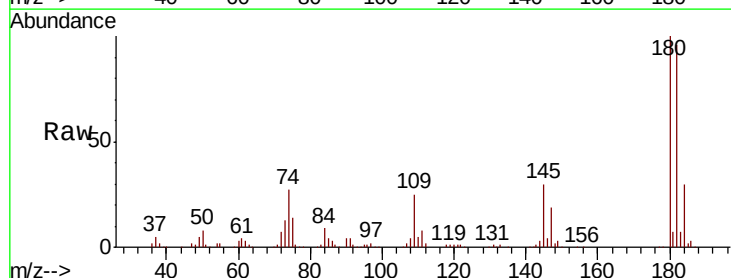


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

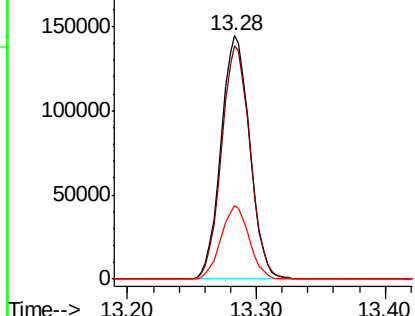
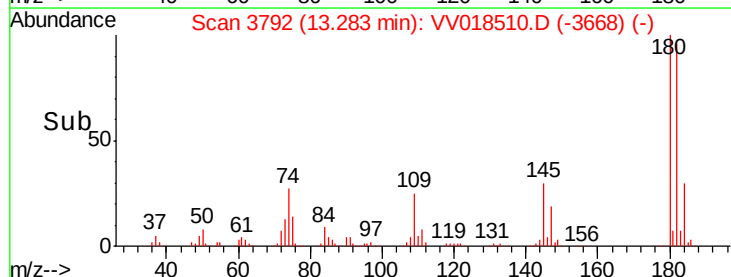


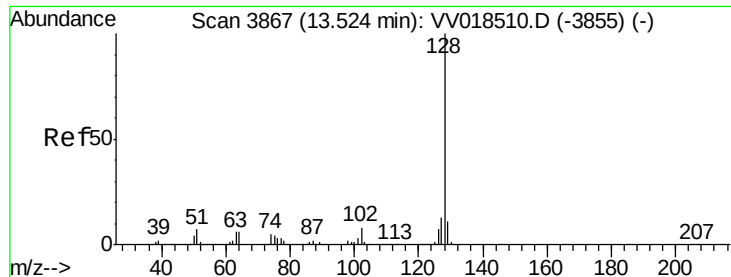
#68
 1,2,4-trichlorobenzene
 Concen: 52.828 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018510.D
 Acq: 29 Sep 2020 12:15

Tgt Ion:180	Resp:	222990
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.3 114.5
145	29.5	23.6 35.4



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





#69

Naphthalene

Concen: 62.488 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

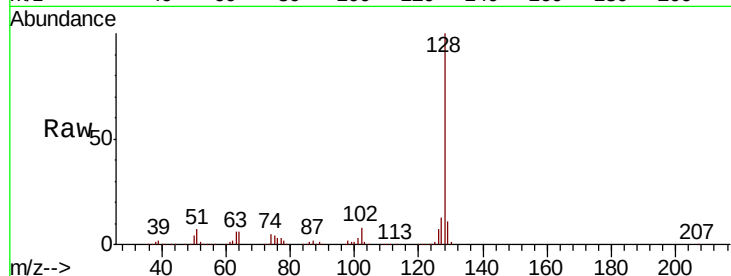
Tot Ion:128 Resp: 667414

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

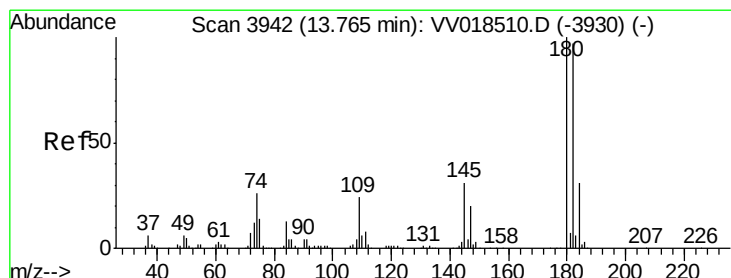
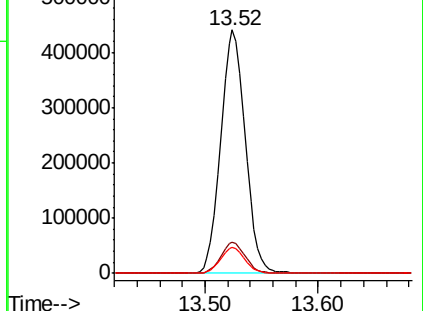
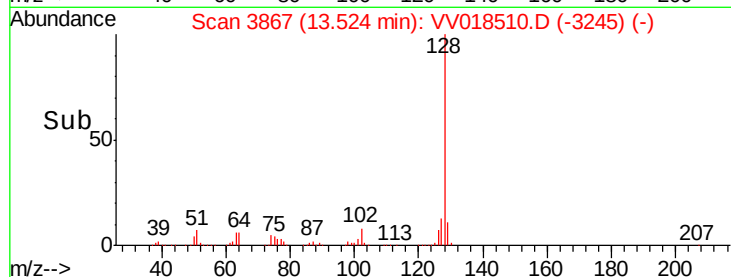
129 10.7 8.6 12.8



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: 53.712 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018510.D

Acq: 29 Sep 2020 12:15

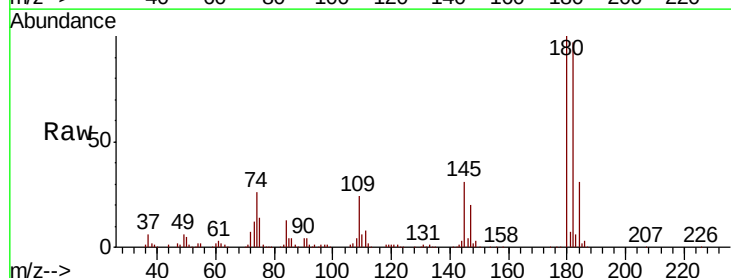
Tgt Ion:180 Resp: 223303

Ion Ratio Lower Upper

180 100

182 96.4 77.1 115.7

145 31.4 25.1 37.7



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

