

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018508.D
 Acq On : 29 Sep 2020 11:16
 Operator : SY/MD
 Sample : VSTD00565
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Quant Time: Sep 30 01:17:47 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	342294	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	336343	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	184557	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	10429	3.74	ug/L	0.00
7) Chloroethane-d5	1.58	69	9266	4.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	21450	4.19	ug/L	0.00
21) 2-Butanone-d5	3.94	46	8584	5.03	ug/L	0.02
24) Chloroform-d	4.37	84	22223	4.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	13969	4.50	ug/L	0.00
32) Benzene-d6	5.08	84	42255	4.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	12503	4.09	ug/L	0.00
41) Toluene-d8	7.34	98	38297	4.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	6326	4.07	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	7210	6.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	15545	4.05	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	18115	4.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12875	5.158	ug/L 99
3) Chloromethane	1.25	50	13548	4.971	ug/L 98
5) Vinyl chloride	1.32	62	14140	5.059	ug/L 96
6) Bromomethane	1.53	94	9664	5.657	ug/L 99
8) Chloroethane	1.60	64	8806	5.030	ug/L 97
9) Trichlorofluoromethane	1.76	101	21021	5.467	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	12132	5.252	ug/L 96
12) 1,1-Dichloroethene	2.13	96	11561	5.144	ug/L 90
13) Acetone	2.20	43	15686	11.473	ug/L 96
14) Carbon disulfide	2.31	76	36925	5.369	ug/L 96
15) Methyl Acetate	2.45	43	13552	5.515	ug/L 99
16) Methylene chloride	2.52	84	14493	5.750	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	12649	5.461	ug/L 94
18) Methyl tert-butyl Ether	2.78	73	38108	5.319	ug/L 97
19) 1,1-Dichloroethane	3.21	63	22652	5.173	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	13078	5.282	ug/L 96
22) 2-Butanone	4.02	43	6554	4.048	ug/L 83
23) Bromochloromethane	4.27	128	7370	5.689	ug/L 91
25) Chloroform	4.40	83	24237	5.445	ug/L 97
27) 1,2-Dichloroethane	5.16	62	18158	5.269	ug/L 97
29) Cyclohexane	4.70	56	18582	4.784	ug/L 98
30) 1,1,1-Trichloroethane	4.63	97	21814	5.588	ug/L 98
31) Carbon tetrachloride	4.85	117	19476	5.674	ug/L 94
33) Benzene	5.13	78	51139	5.318	ug/L 100
34) Trichloroethene	5.94	95	15621	5.963	ug/L 97
35) Methylcyclohexane	6.15	83	19334	4.902	ug/L 95
37) 1,2-Dichloropropane	6.20	63	13273	5.209	ug/L # 92
38) Bromodichloromethane	6.53	83	16667	5.026	ug/L 98
39) cis-1,3-Dichloropropene	7.05	75	17743	4.519	ug/L 95
40) 4-Methyl-2-pentanone	7.25	43	30501	9.866	ug/L 97

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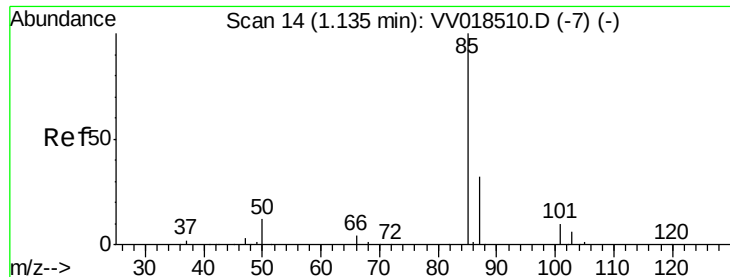
Instrument :
 MSVOA_V
 ClientSampleId :
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Quant Time: Sep 30 01:17:47 2020
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	52719	5.180	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	17818	4.661	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	13266	5.617	ug/L	92
46) Tetrachloroethene	8.00	164	11954	5.820	ug/L	99
48) 2-Hexanone	8.16	43	24184	9.923	ug/L	95
49) Dibromochloromethane	8.27	129	13813	5.210	ug/L	97
50) 1,2-Dibromoethane	8.38	107	12830	5.161	ug/L	90
51) Chlorobenzene	8.90	112	37129	5.618	ug/L	98
52) Ethylbenzene	9.03	91	58876	5.299	ug/L	96
53) m,p-Xylene	9.16	106	22925	5.528	ug/L	91
54) o-xylene	9.56	106	20860	5.221	ug/L	95
55) Styrene	9.58	104	34520	4.971	ug/L	97
56) Isopropylbenzene	9.95	105	54957	5.104	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	16209	4.639	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	15590	5.202	ug/L	99
61) Bromoform	9.75	173	9837	4.961	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	31284	5.700	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	32114	5.693	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	31236	5.631	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	3730	4.765	ug/L	85
67) 1,3,5-Trichlorobenzene	12.67	180	20491	4.736	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	17665	4.585	ug/L	95
69) Naphthalene	13.53	128	43659	4.479	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	18063	4.760	ug/L	96

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

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#2

Dichlorodifluoromethane

Concen: 5.158 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

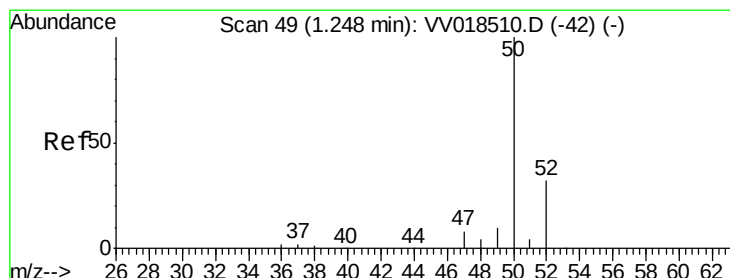
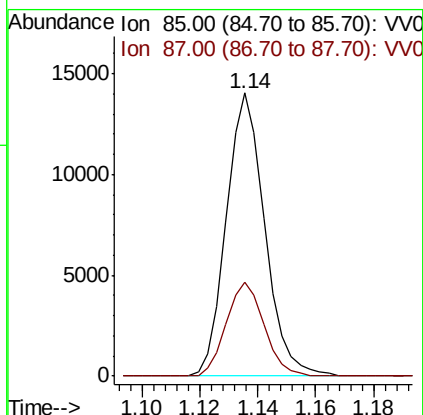
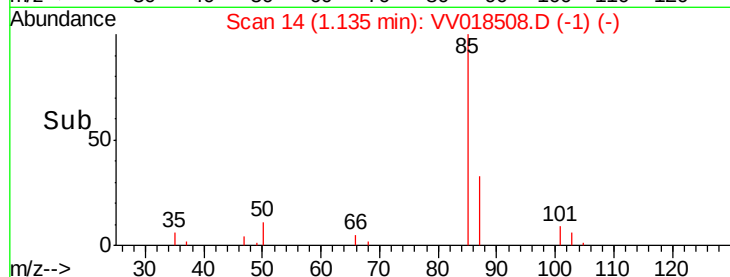
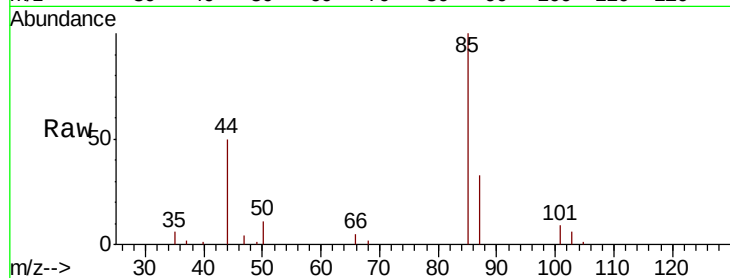
VSTD00565

Tot Ion: 85 Resp: 12875

Ion Ratio Lower Upper

85 100

87 32.6 25.5 38.3



#3

Chloromethane

Concen: 4.971 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018508.D

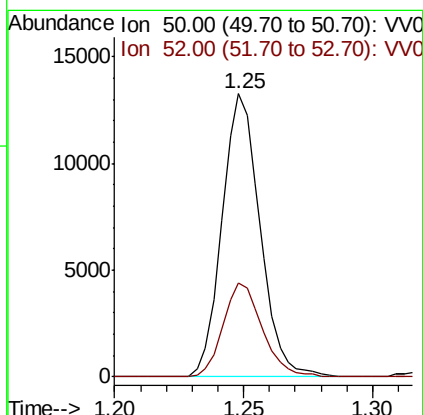
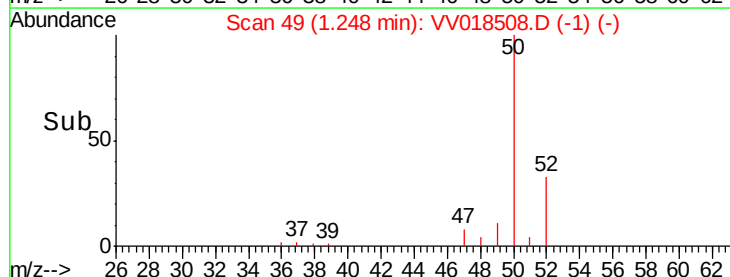
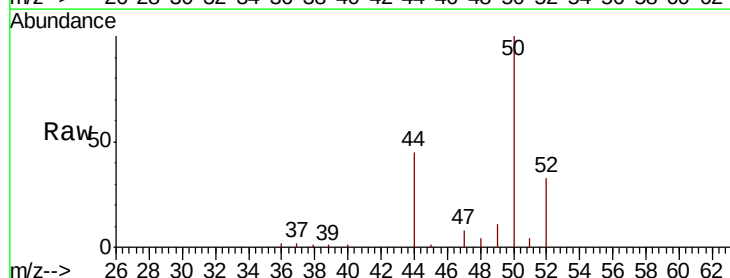
Acq: 29 Sep 2020 11:16

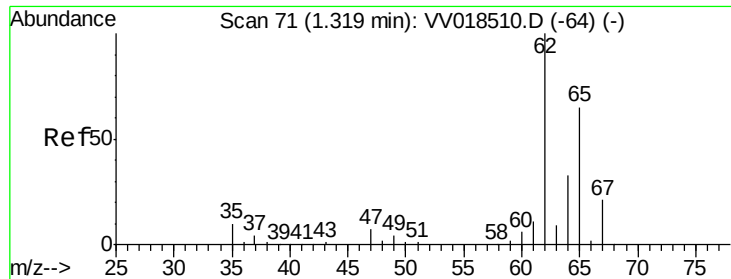
Tgt Ion: 50 Resp: 13548

Ion Ratio Lower Upper

50 100

52 33.4 22.7 42.1





#5

Vinyl chloride

Concen: 5.059 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleID :

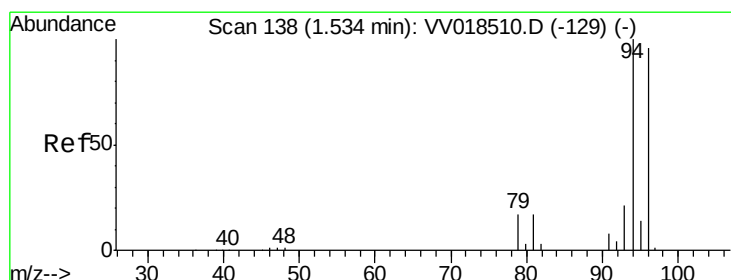
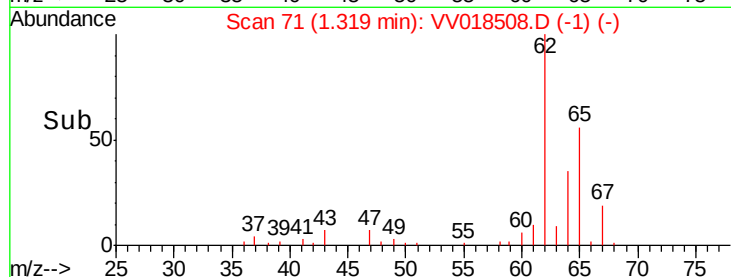
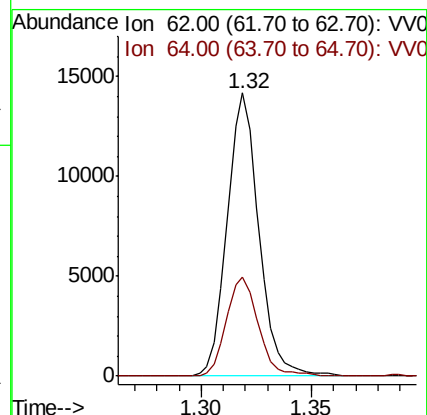
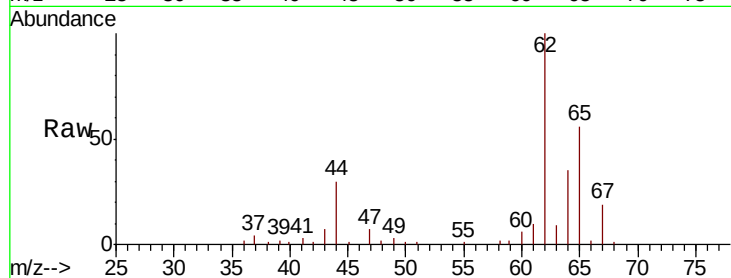
VSTD00565

Tot Ion: 62 Resp: 14140

Ion Ratio Lower Upper

62 100

64 34.9 22.9 42.5



#6

Bromomethane

Concen: 5.657 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018508.D

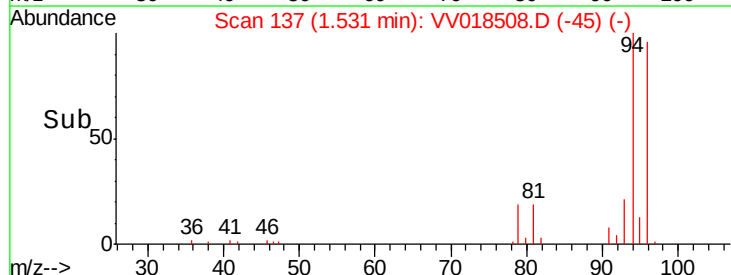
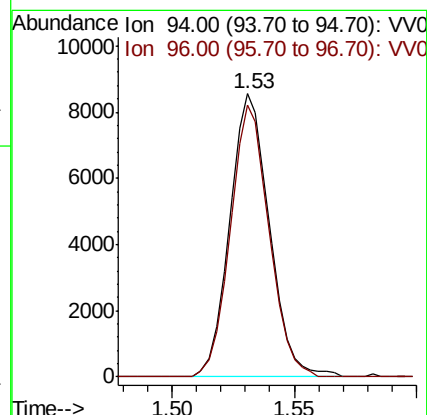
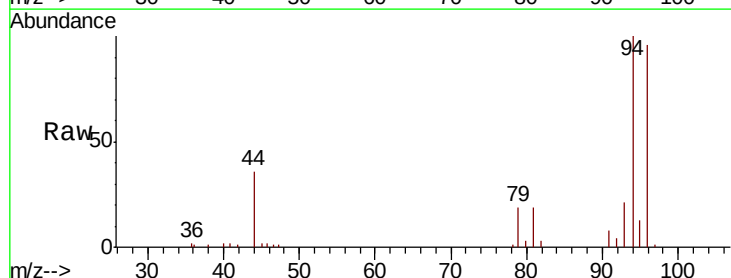
Acq: 29 Sep 2020 11:16

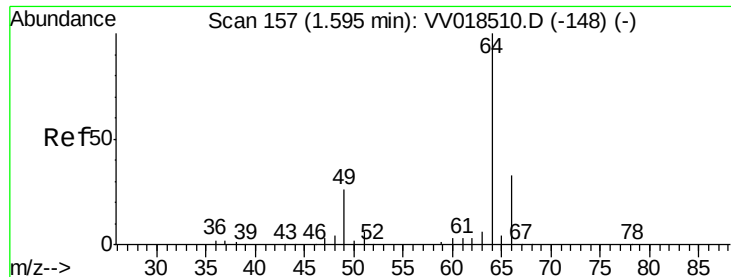
Tgt Ion: 94 Resp: 9664

Ion Ratio Lower Upper

94 100

96 95.9 67.5 125.4

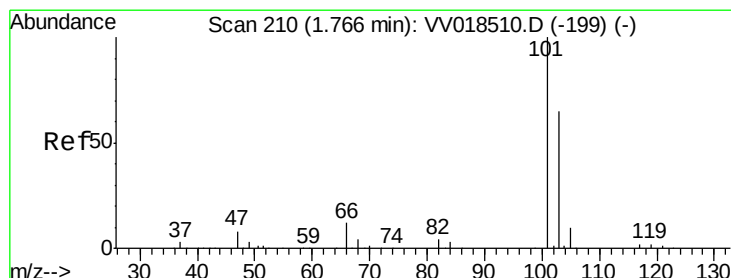
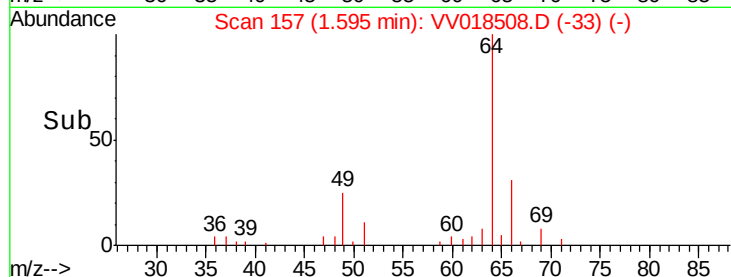
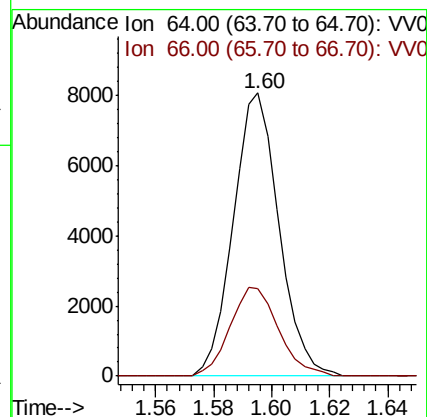
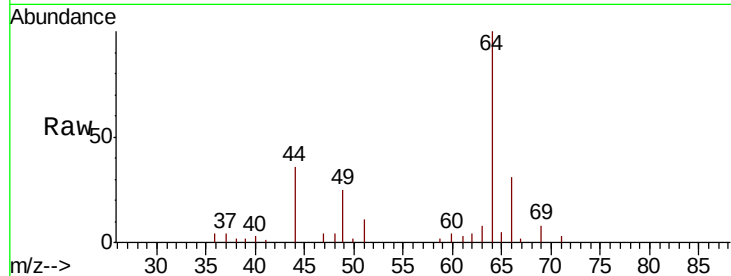




#8
Chloroethane
Concen: 5.030 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

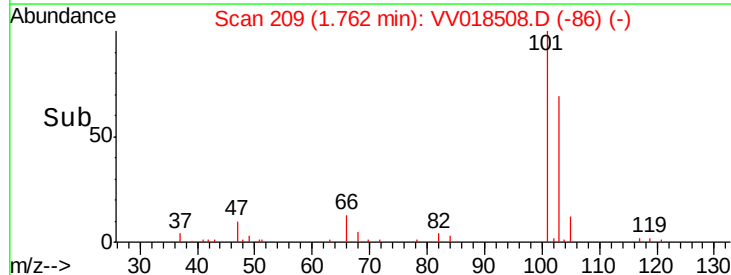
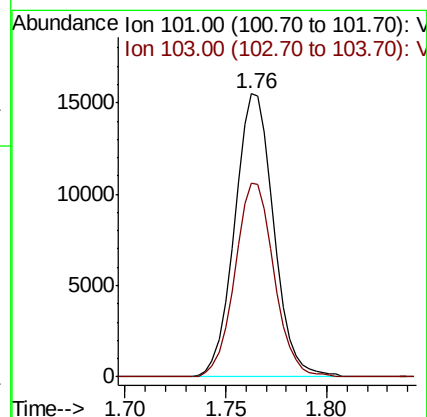
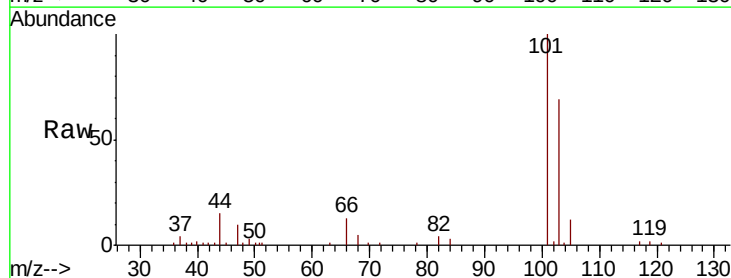
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

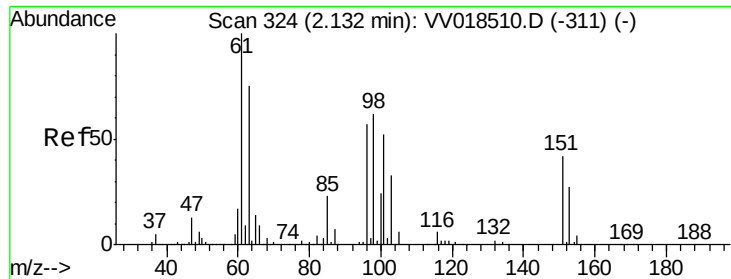
Tot Ion: 64 Resp: 8806
Ion Ratio Lower Upper
64 100
66 30.9 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.467 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

Tgt Ion: 101 Resp: 21021
Ion Ratio Lower Upper
101 100
103 68.6 51.9 77.9





#10

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

Concen: 5.252 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

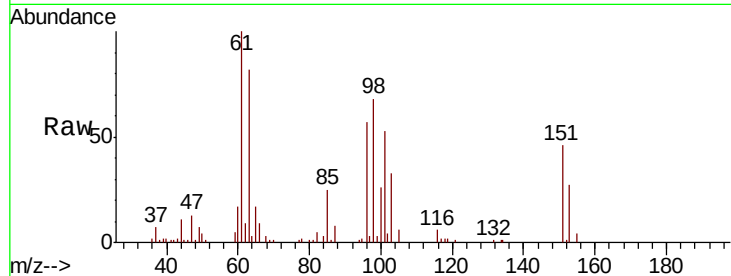
Tot Ion:101 Resp: 12132

Ion Ratio Lower Upper

101 100

85 43.9 34.6 52.0

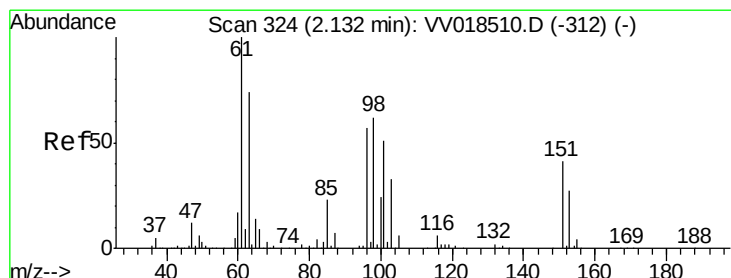
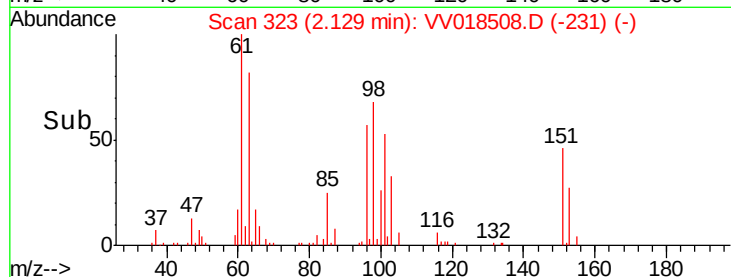
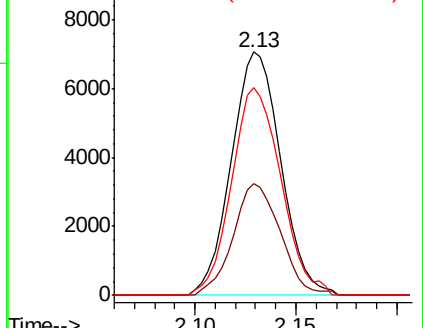
151 85.0 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018510.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018510.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018510.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 5.144 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

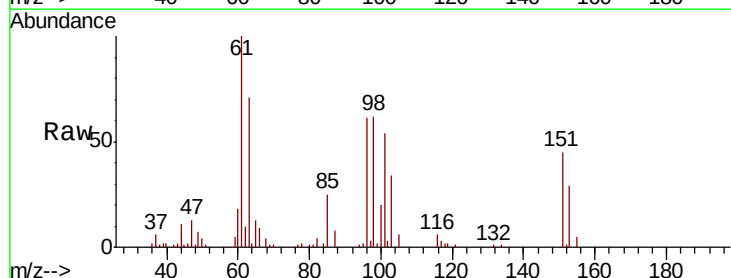
Tgt Ion: 96 Resp: 11561

Ion Ratio Lower Upper

96 100

61 164.8 122.8 228.1

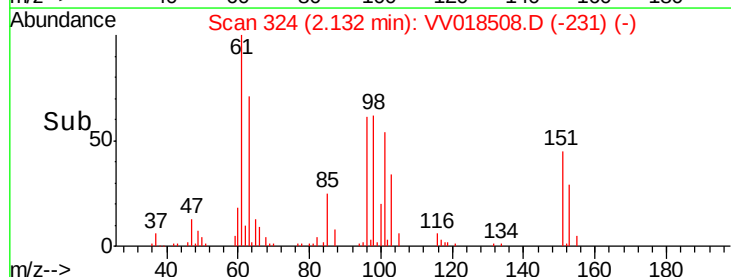
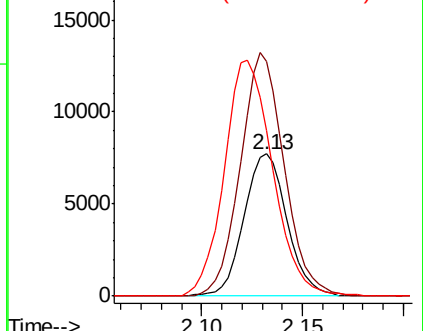
63 116.3 91.9 170.7

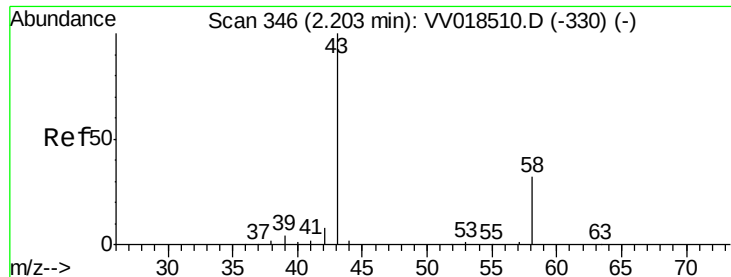


Abundance Ion 96.00 (95.70 to 96.70): VV018510.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV018510.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV018510.D (-312) (-)





#13

Acetone

Concen: 11.473 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

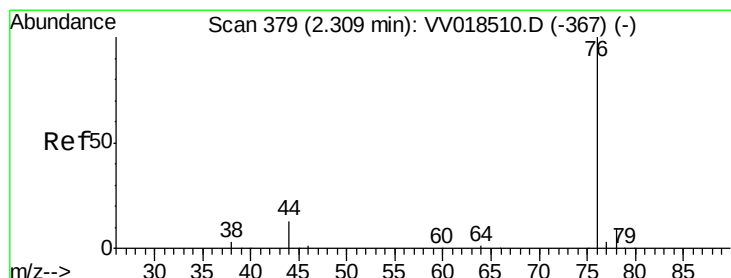
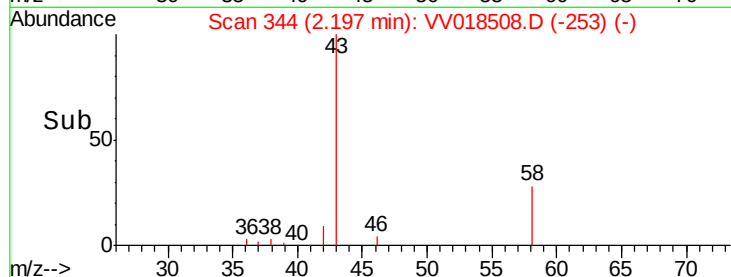
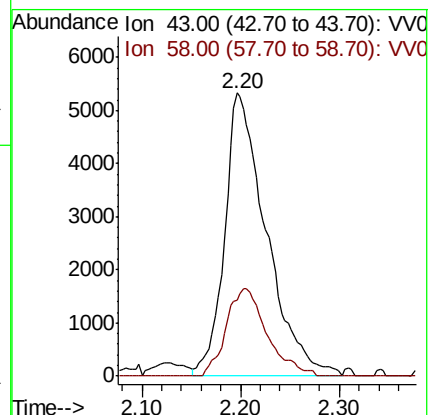
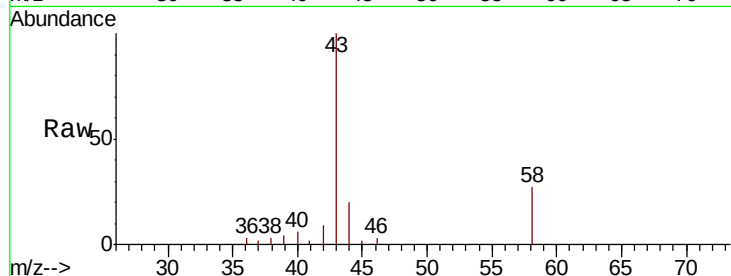
VSTD00565

Tot Ion: 43 Resp: 15686

Ion Ratio Lower Upper

43 100

58 30.0 0.0 64.0



#14

Carbon disulfide

Concen: 5.369 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018508.D

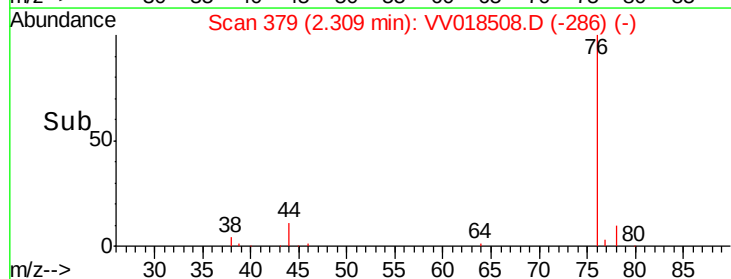
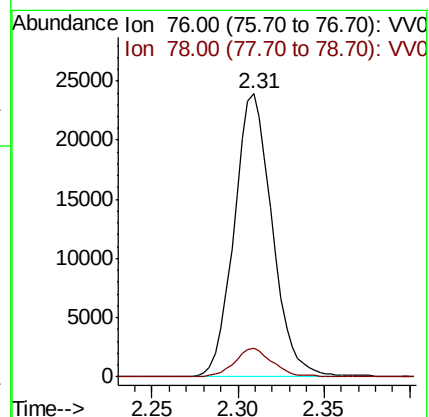
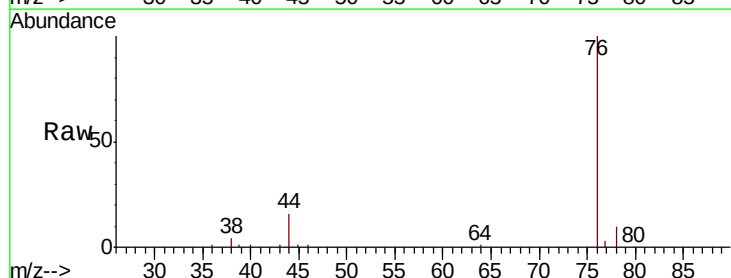
Acq: 29 Sep 2020 11:16

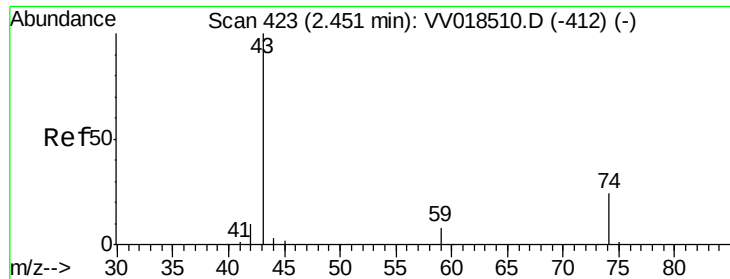
Tgt Ion: 76 Resp: 36925

Ion Ratio Lower Upper

76 100

78 10.2 7.1 10.7

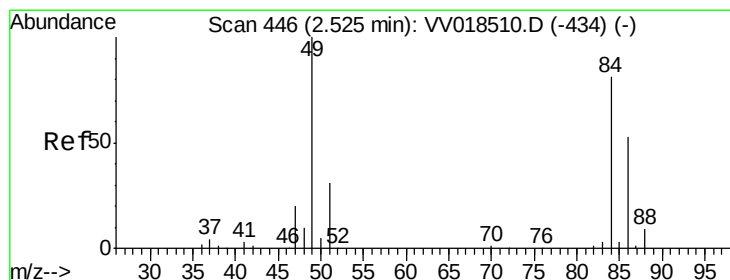
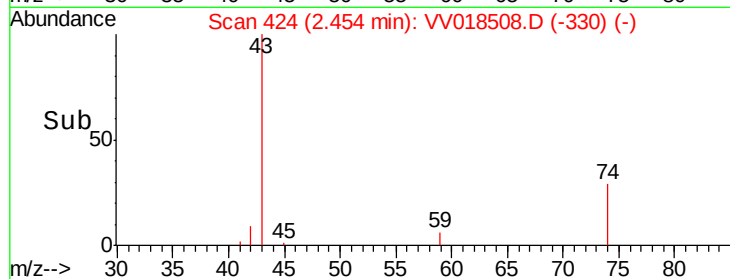
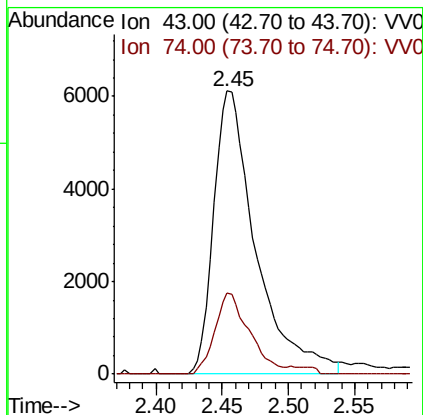
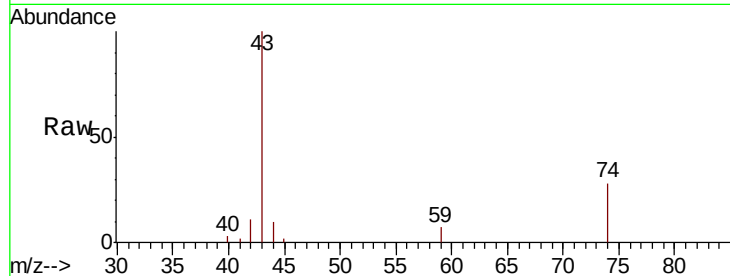




#15
Methvl Acetate
Concen: 5.515 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

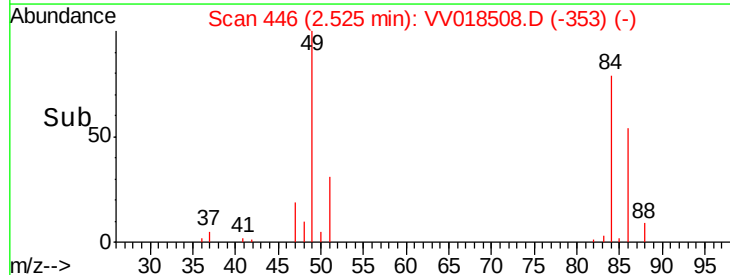
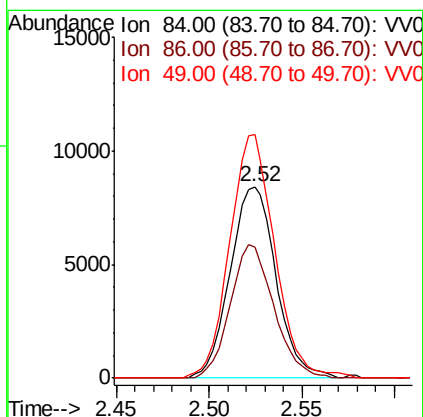
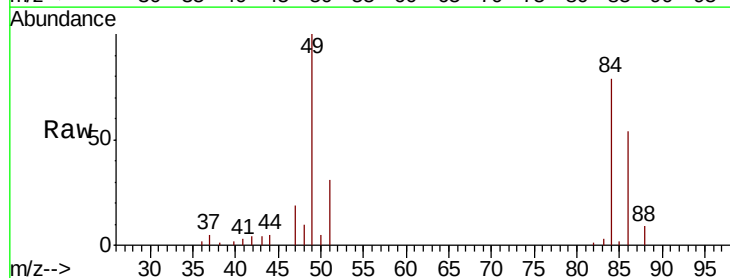
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

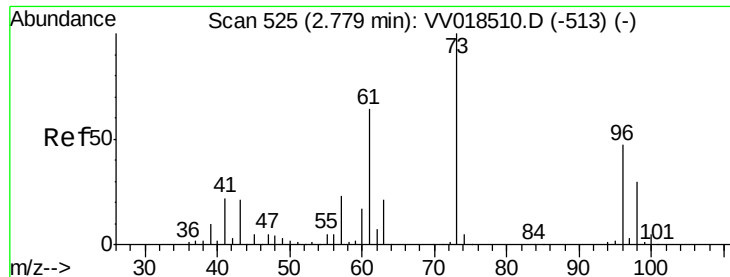
Tot Ion: 43 Resp: 13552
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8



#16
Methylene chloride
Concen: 5.750 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

Tgt Ion: 84 Resp: 14493
Ion Ratio Lower Upper
84 100
86 68.2 46.2 85.8
49 127.0 86.6 160.8

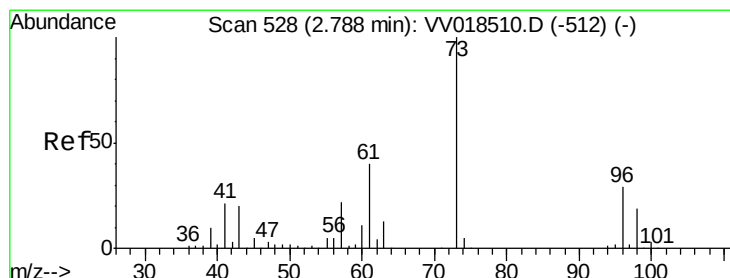
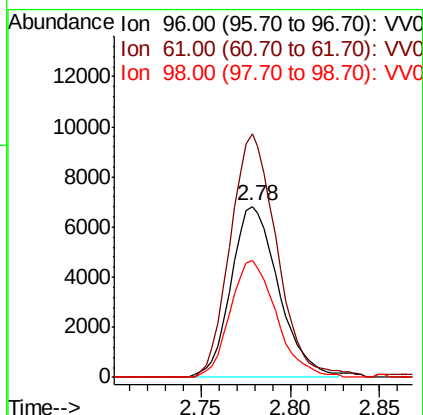
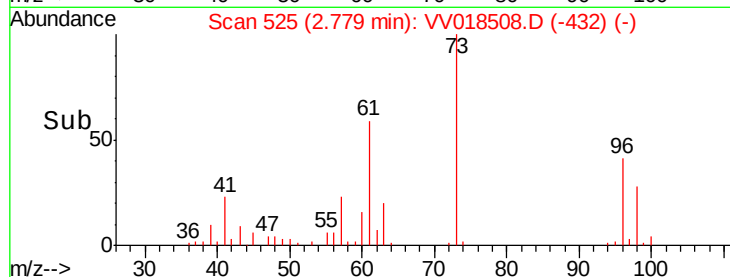
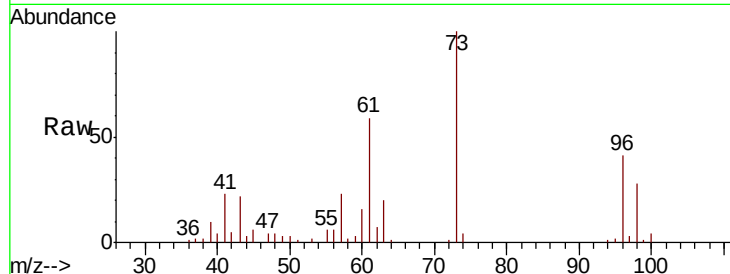




#17
trans-1,2-Dichloroethene
Concen: 5.461 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

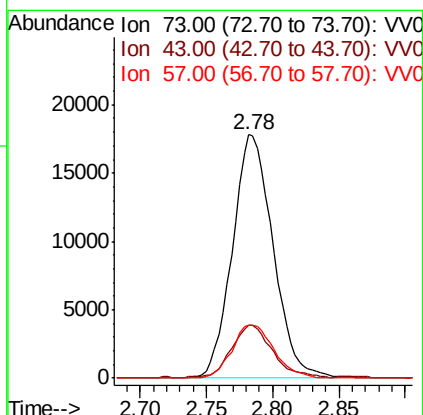
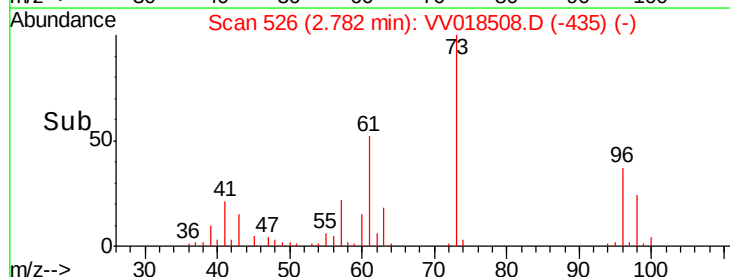
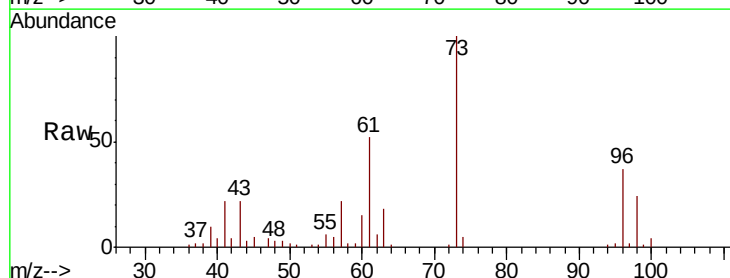
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

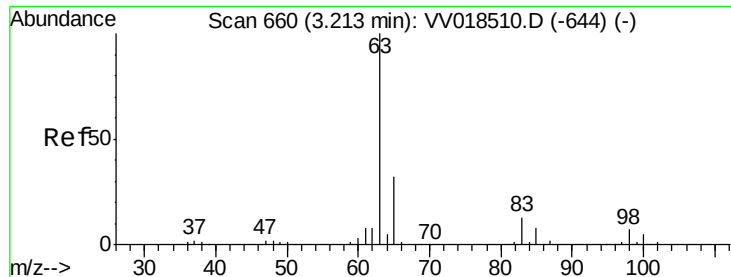
Tot Ion: 96 Resp: 12649
Ion Ratio Lower Upper
96 100
61 142.3 95.0 176.4
98 68.3 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 5.319 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.01 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

Tgt Ion: 73 Resp: 38108
Ion Ratio Lower Upper
73 100
43 22.0 15.9 23.9
57 22.4 17.5 26.3

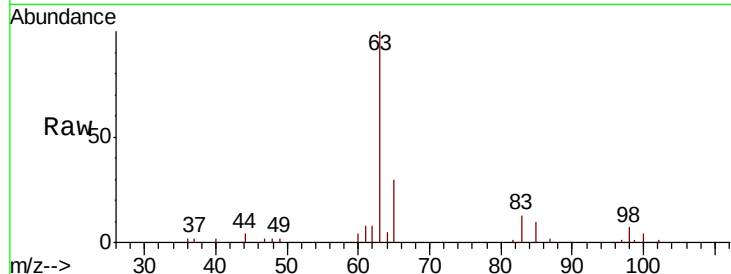




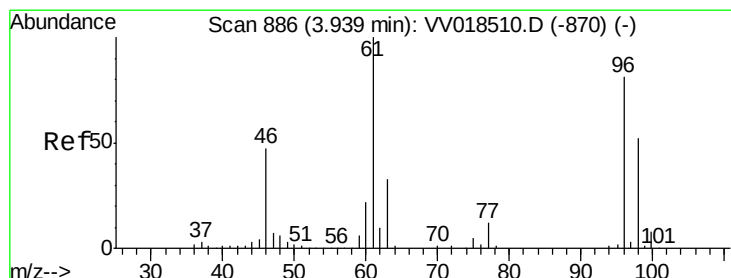
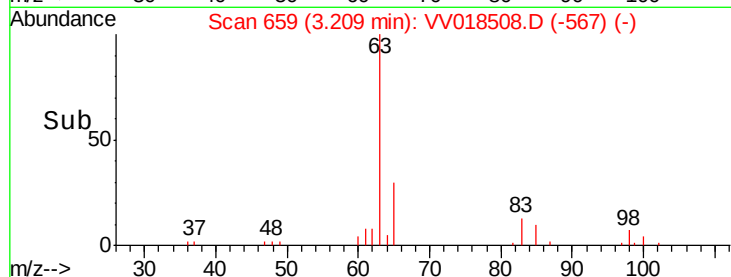
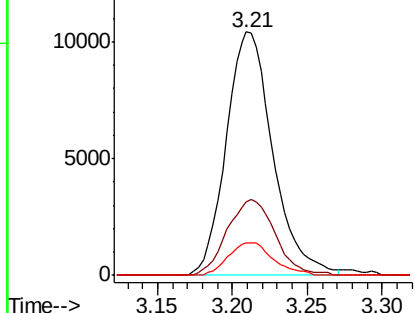
#19
 1,1-Dichloroethane
 Concen: 5.173 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00565

Tot Ion: 63 Resp: 22652
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.3 41.3
 83 13.4 9.3 17.3

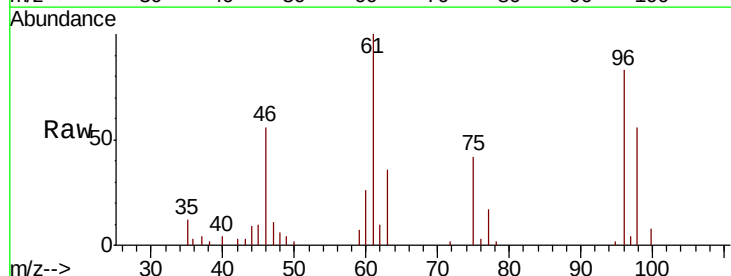


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

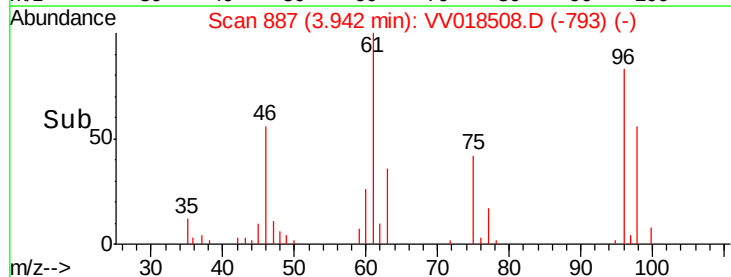
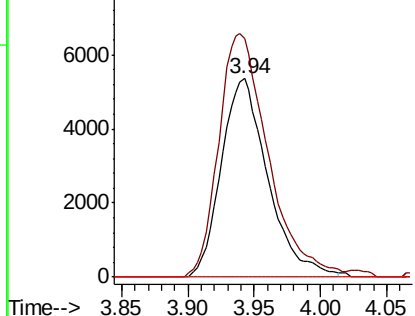


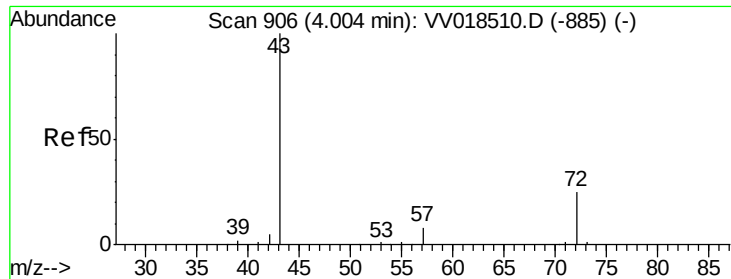
#20
 cis-1,2-Dichloroethene
 Concen: 5.282 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

Tgt Ion: 96 Resp: 13078
 Ion Ratio Lower Upper
 96 100
 61 120.0 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: 4.048 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

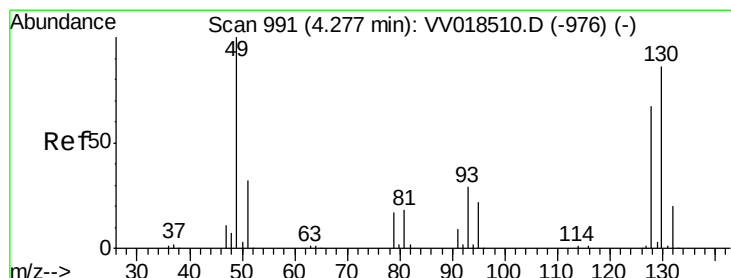
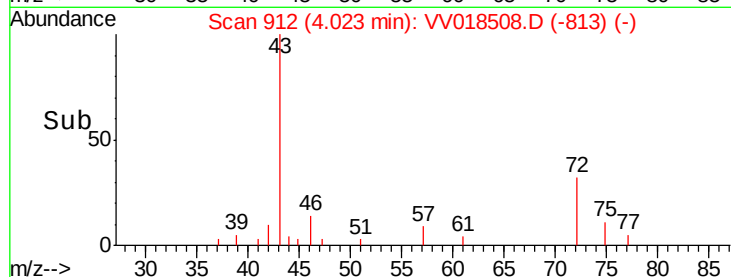
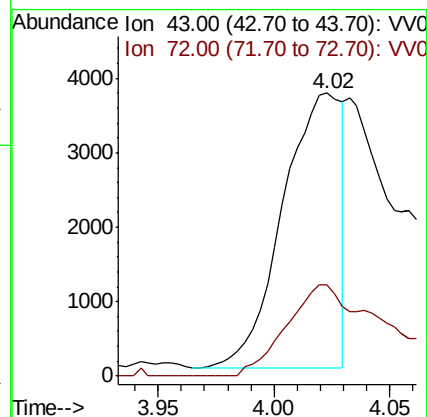
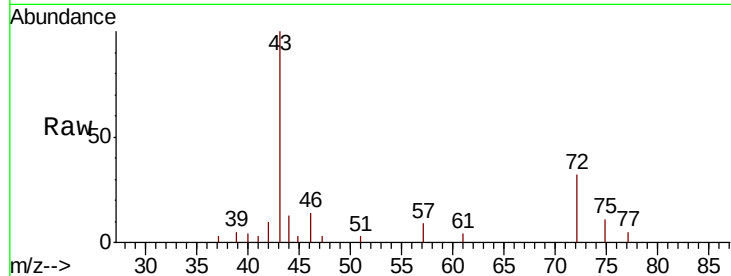
VSTD00565

Tot Ion: 43 Resp: 6554

Ion Ratio Lower Upper

43 100

72 32.4 12.1 36.3



#23

Bromochloromethane

Concen: 5.689 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Tgt Ion: 128 Resp: 7370

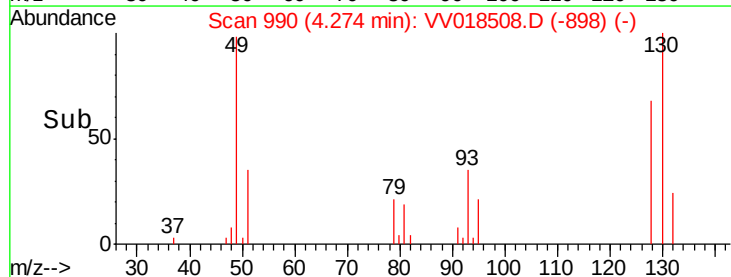
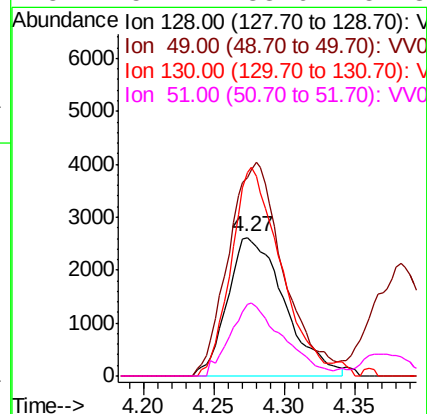
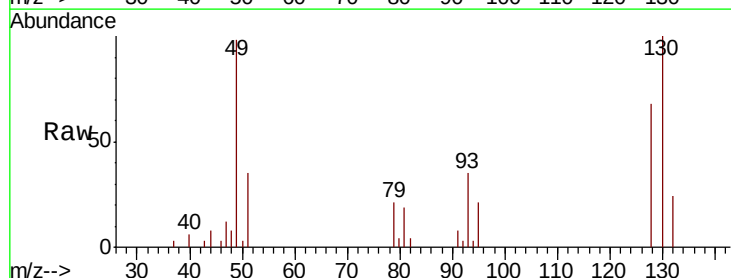
Ion Ratio Lower Upper

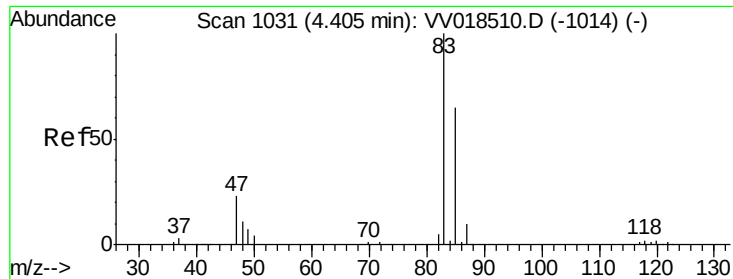
128 100

49 143.1 105.1 195.1

130 146.5 90.0 167.2

51 51.2 38.6 57.8

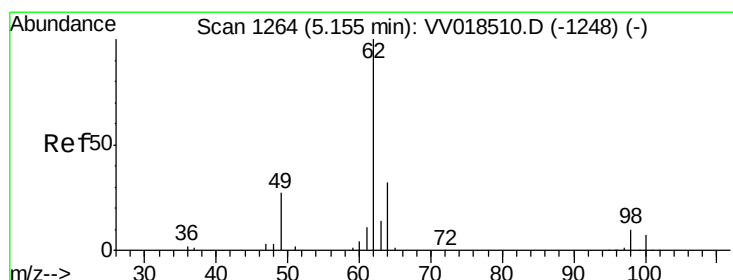
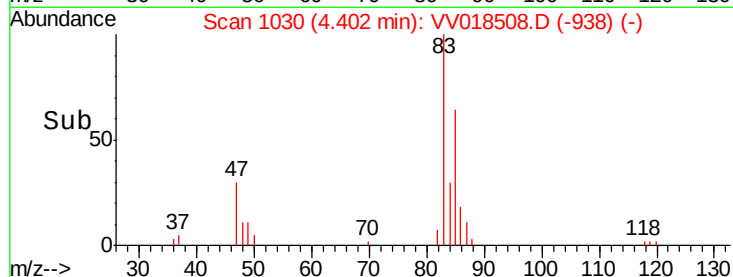
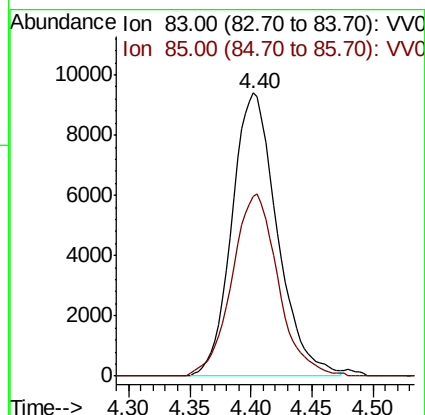
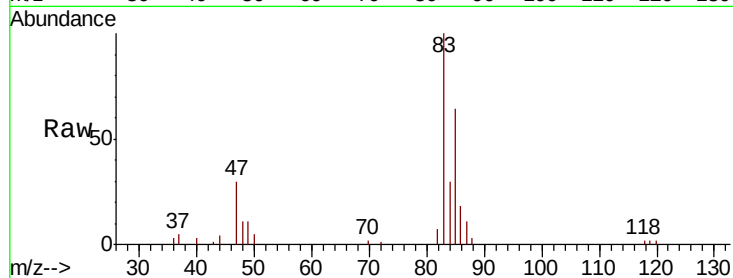




#25
Chloroform
Concen: 5.445 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

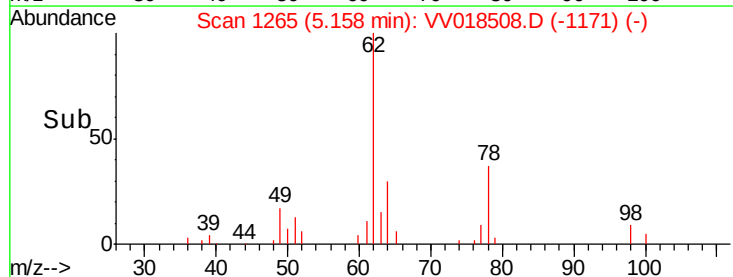
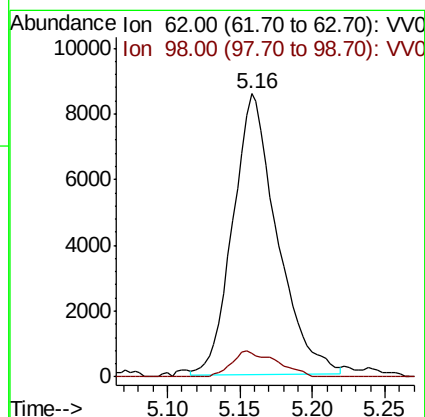
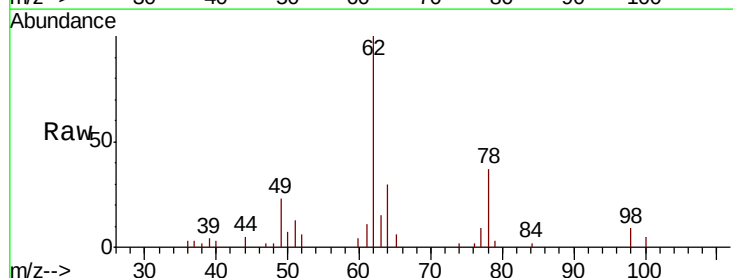
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

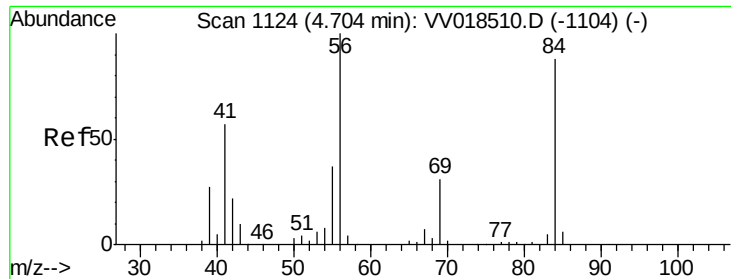
Tot Ion: 83 Resp: 24237
Ion Ratio Lower Upper
83 100
85 63.7 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.269 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

Tgt Ion: 62 Resp: 18158
Ion Ratio Lower Upper
62 100
98 8.5 7.7 11.5

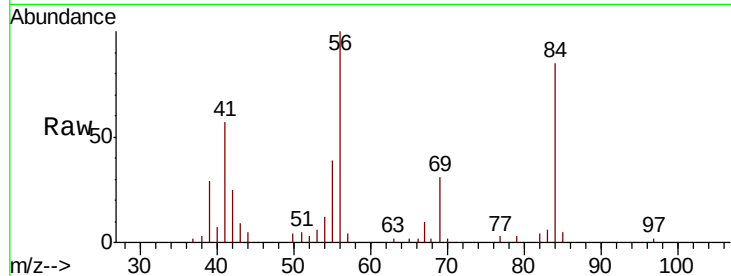




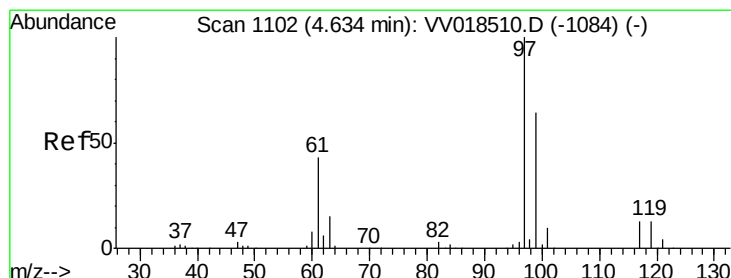
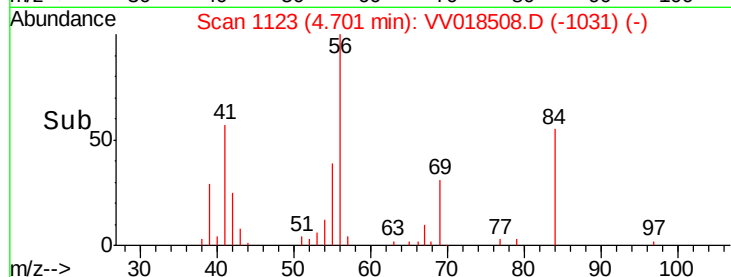
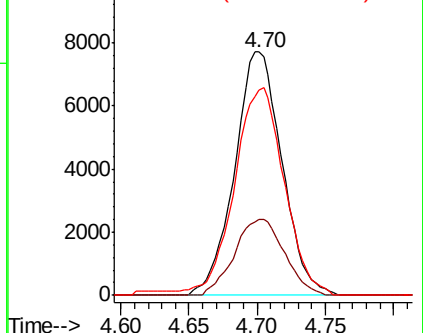
#29
Cyclohexane
Concen: 4.784 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tot Ion: 56 Resp: 18582
Ion Ratio Lower Upper
56 100
69 33.1 24.8 37.2
84 89.6 72.2 108.4

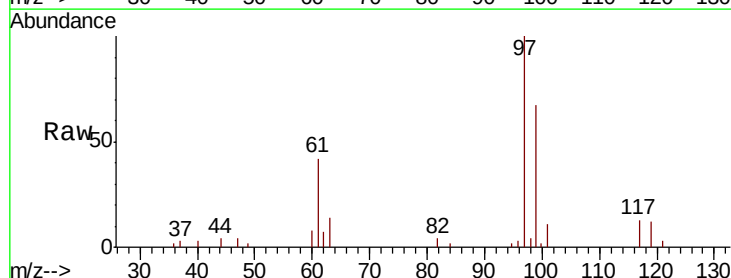


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

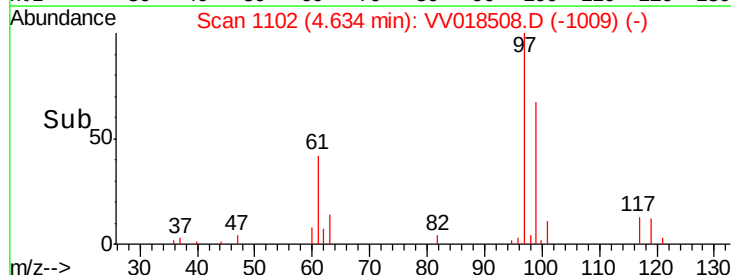
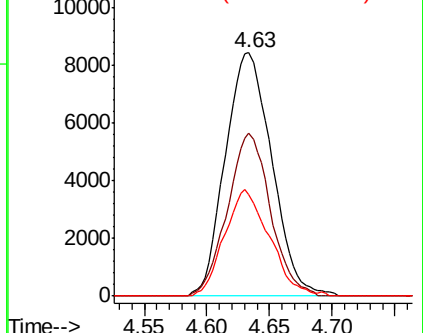


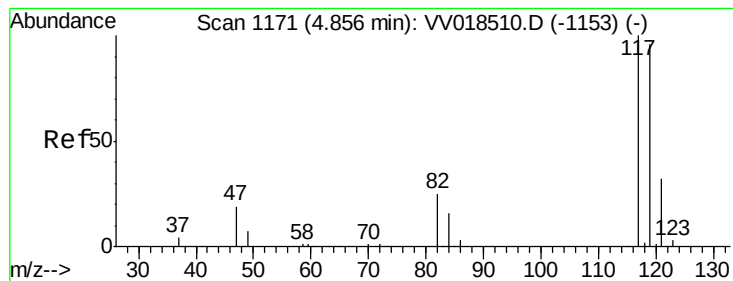
#30
1,1,1-Trichloroethane
Concen: 5.588 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

Tgt Ion: 97 Resp: 21814
Ion Ratio Lower Upper
97 100
99 61.6 51.4 77.0
61 42.0 33.9 50.9



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: 5.674 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

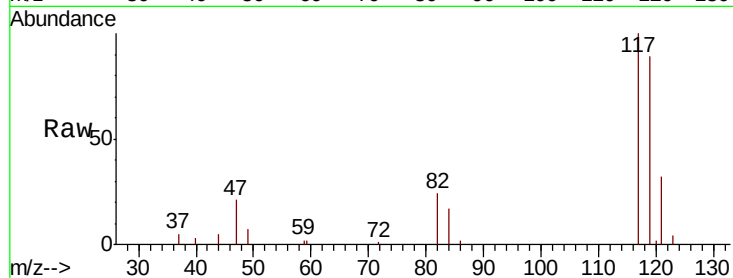
VSTD00565

Tot Ion:117 Resp: 19476

Ion Ratio Lower Upper

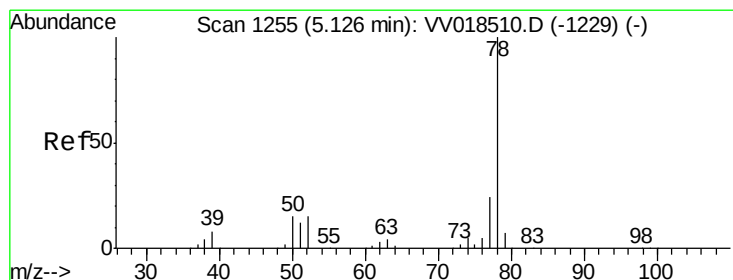
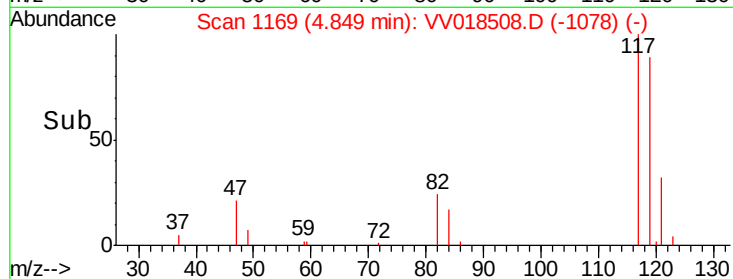
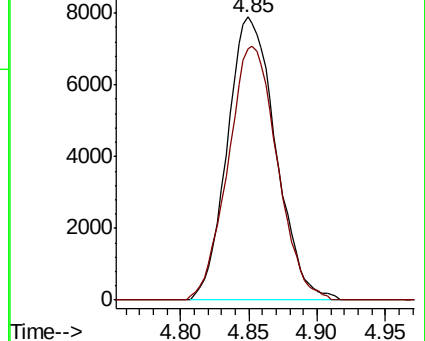
117 100

119 90.8 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.318 ug/L

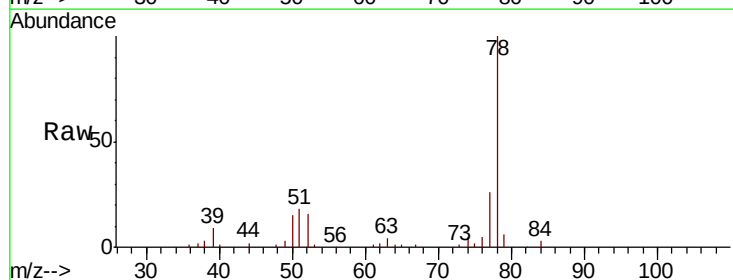
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

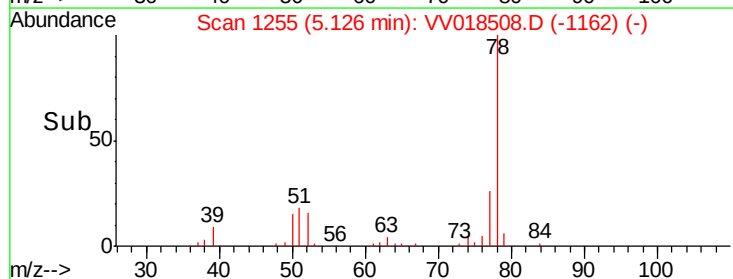
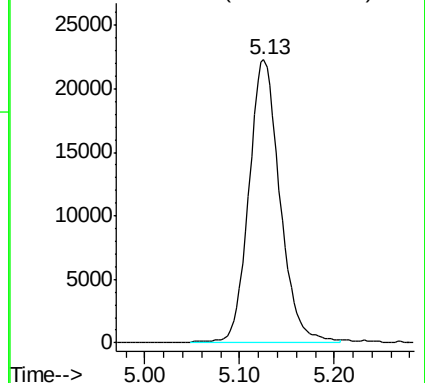
Lab File: VV018508.D

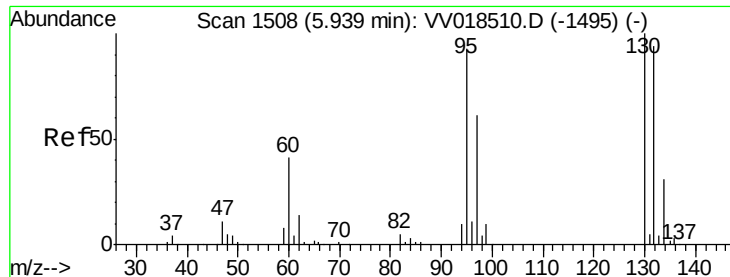
Acq: 29 Sep 2020 11:16

Tgt Ion: 78 Resp: 51139



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.963 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

Tot Ion: 95 Resp: 15621

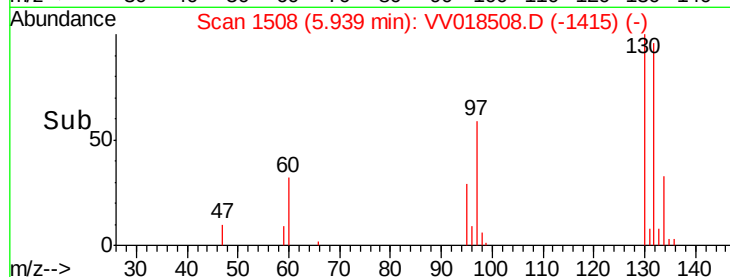
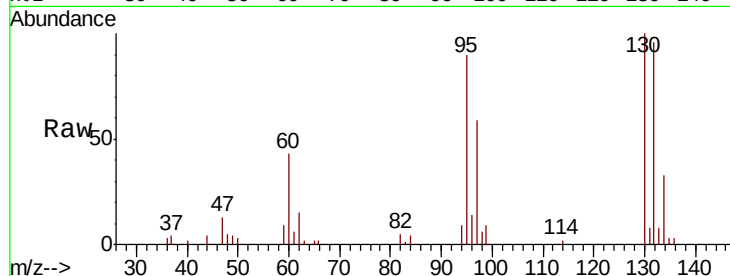
Ion Ratio Lower Upper

95 100

97 65.8 45.9 85.3

132 106.2 70.8 131.4

130 110.6 75.3 139.8

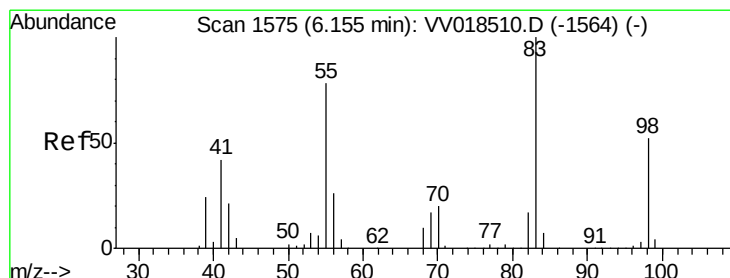
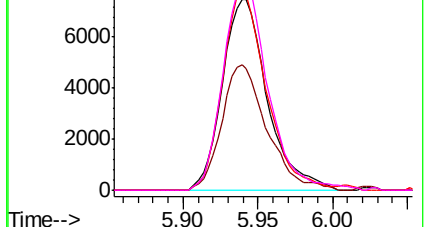


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.902 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

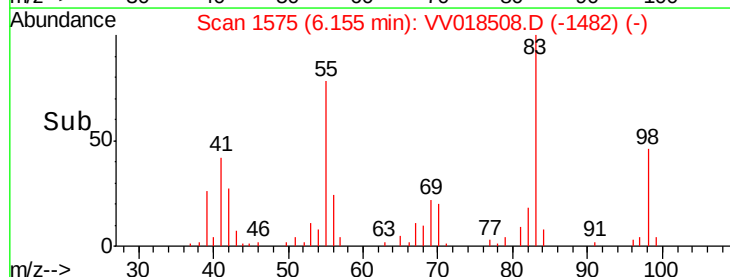
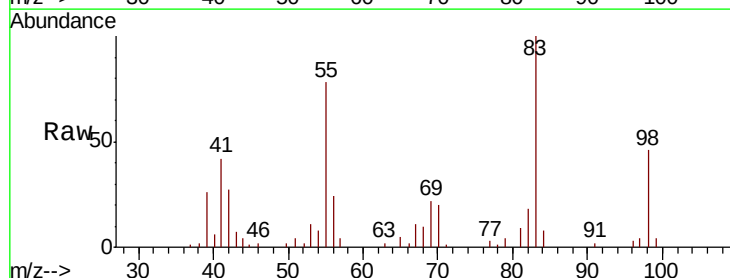
Tgt Ion: 83 Resp: 19334

Ion Ratio Lower Upper

83 100

55 79.8 60.1 90.1

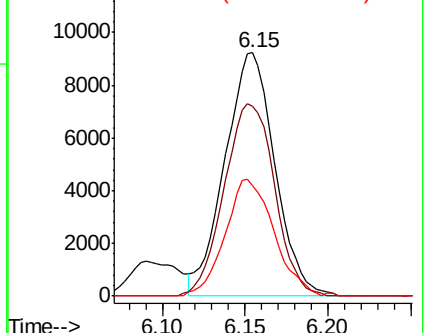
98 46.9 40.2 60.4

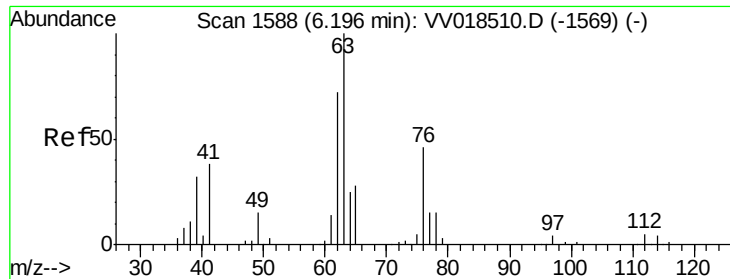


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

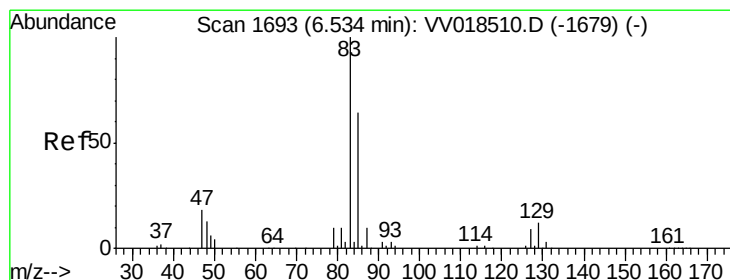
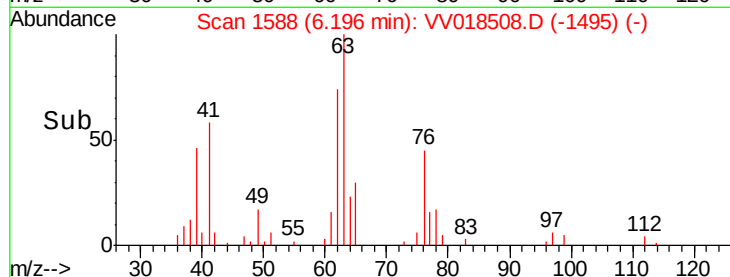
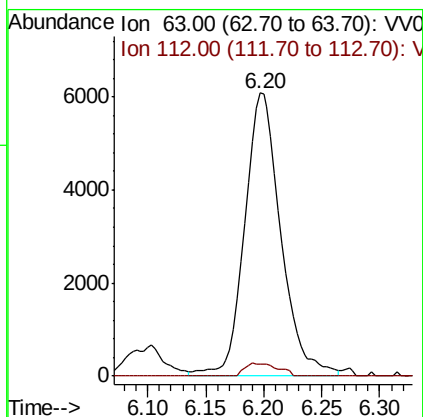
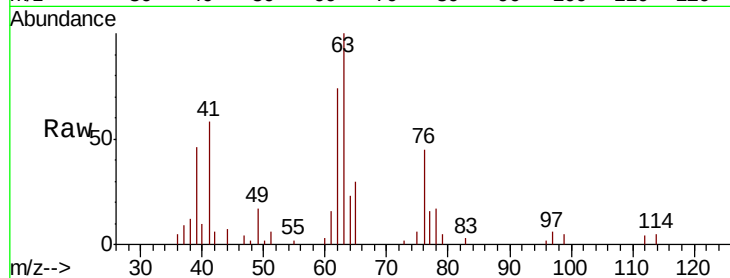




#37
 1,2-Dichloropropane
 Concen: 5.209 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

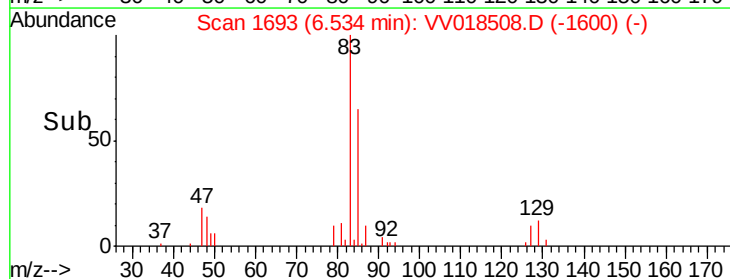
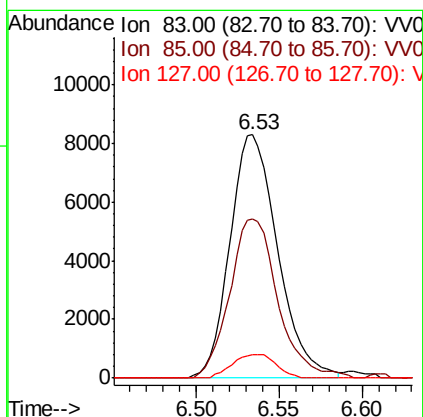
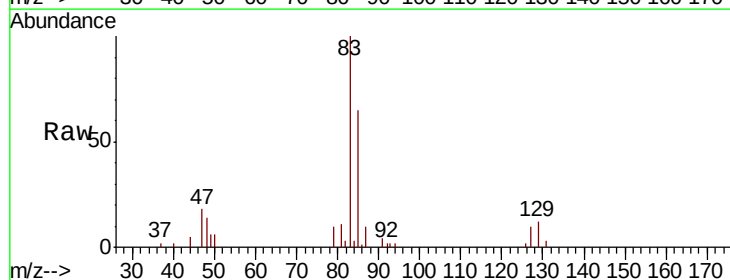
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

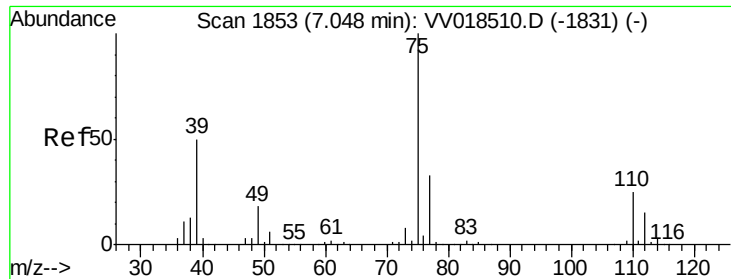
Tot Ion: 63 Resp: 13273
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 5.026 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

Tgt Ion: 83 Resp: 16667
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.5 82.7
 127 9.5 7.2 10.8

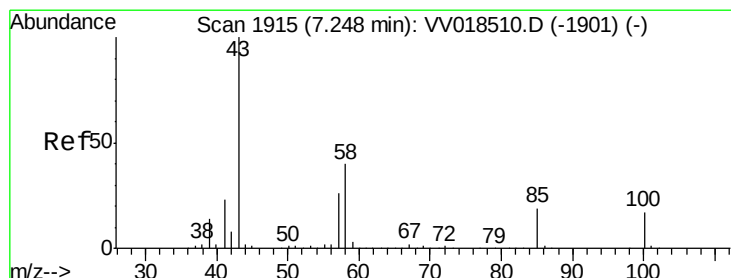
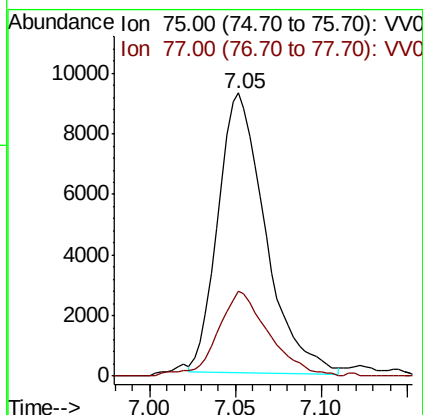
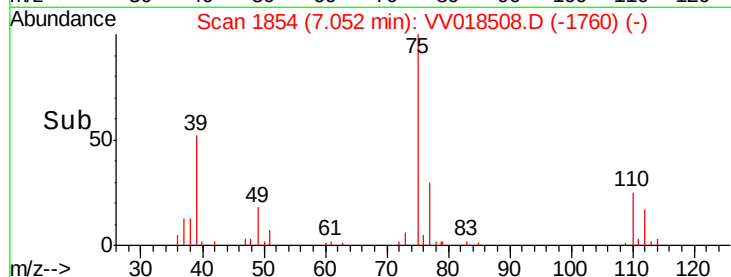
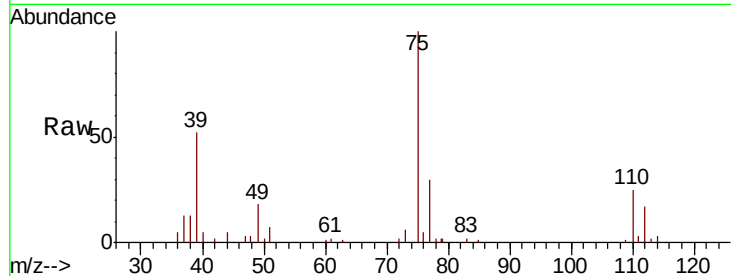




#39
 cis-1,3-Dichloropropene
 Concen: 4.519 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

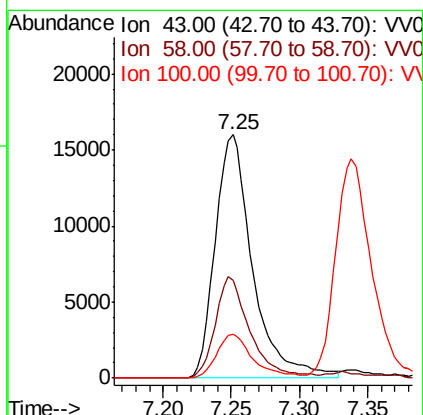
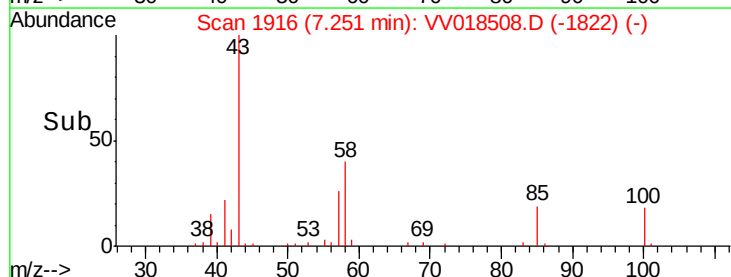
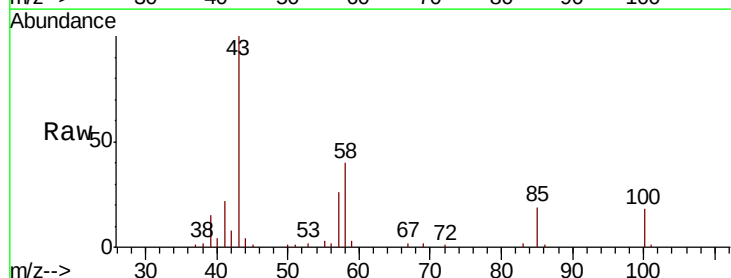
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

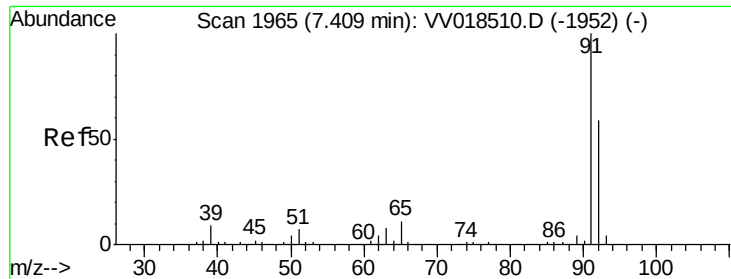
Tot Ion: 75 Resp: 17743
 Ion Ratio Lower Upper
 75 100
 77 29.9 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 9.866 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

Tgt Ion: 43 Resp: 30501
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.8 47.6
 100 17.6 13.4 20.0





#42

Toluene

Concen: 5.180 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

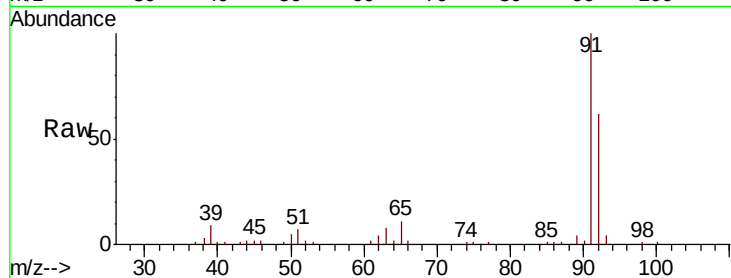
VSTD00565

Tot Ion: 91 Resp: 52719

Ion Ratio Lower Upper

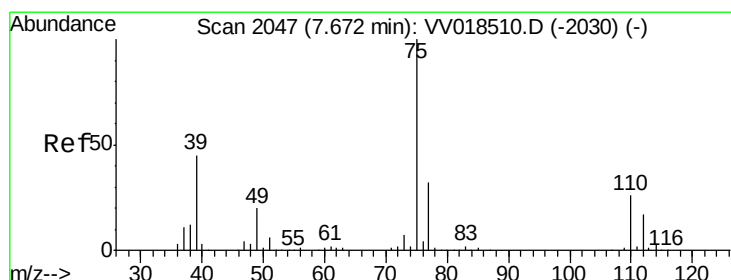
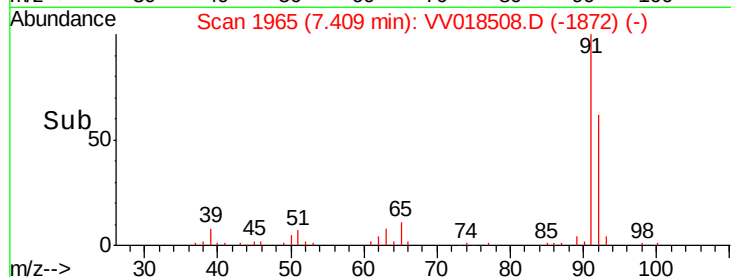
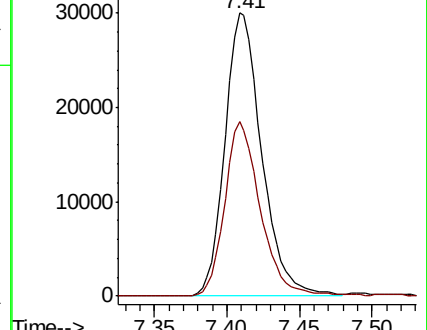
91 100

92 61.7 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: 4.661 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV018508.D

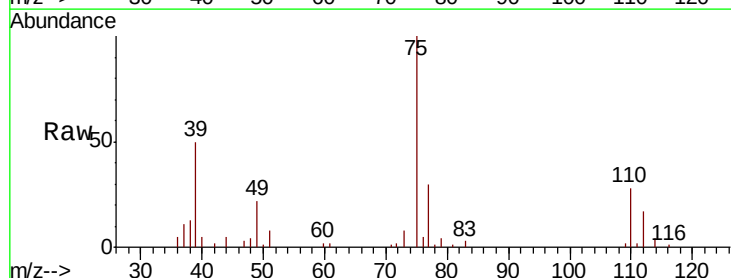
Acq: 29 Sep 2020 11:16

Tgt Ion: 75 Resp: 17818

Ion Ratio Lower Upper

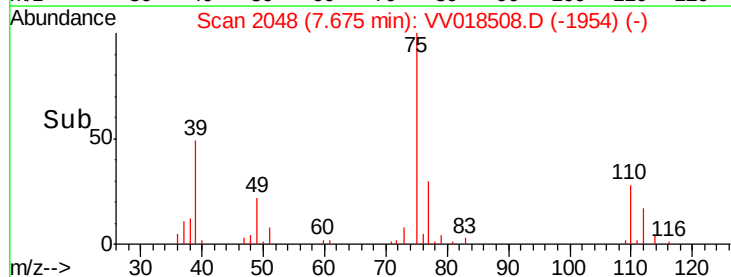
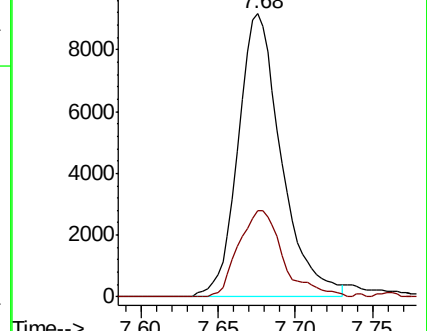
75 100

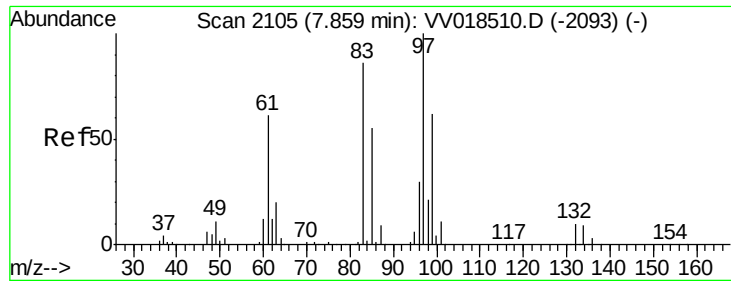
77 30.4 22.7 42.1



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

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

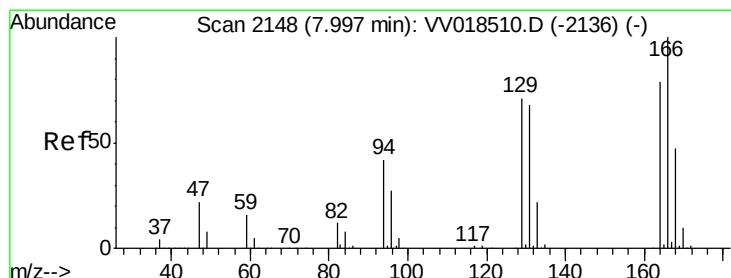
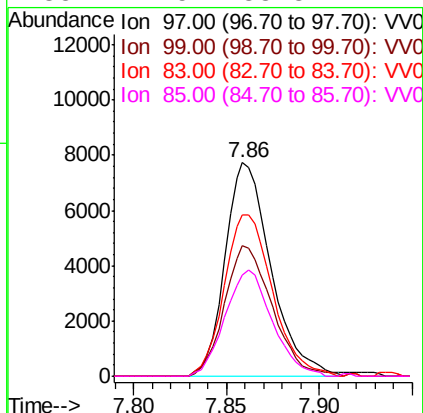
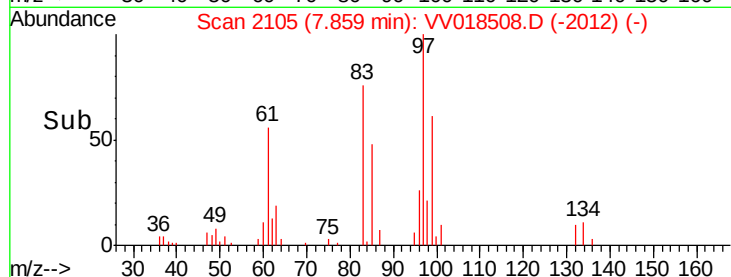
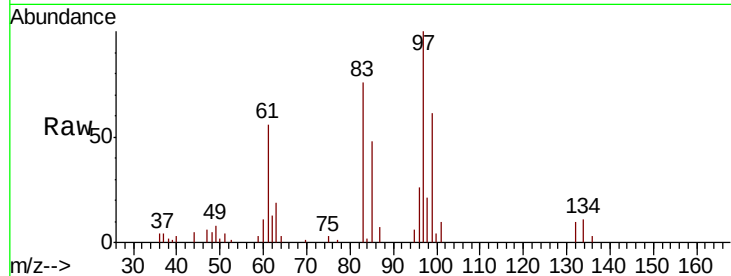




#45
 1,1,2-Trichloroethane
 Concen: 5.617 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

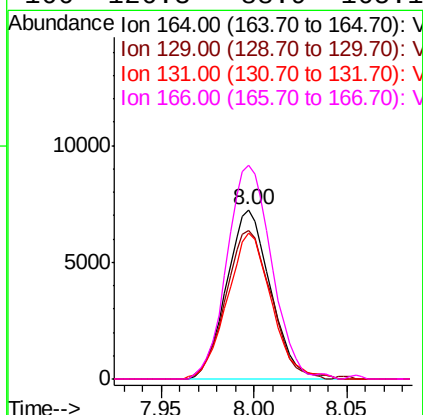
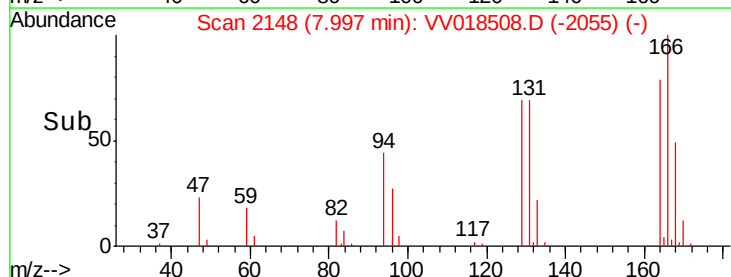
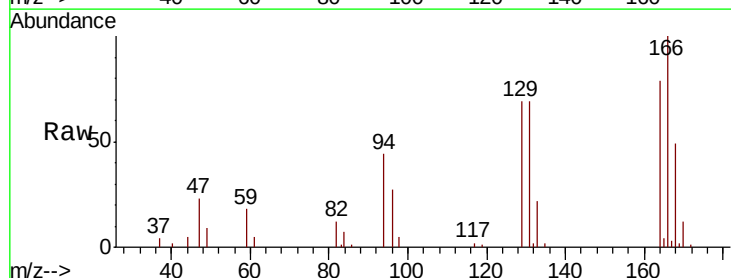
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

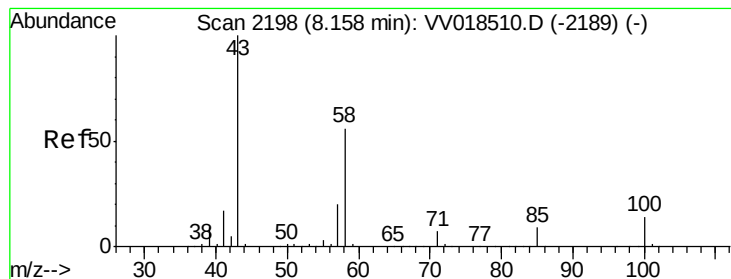
Tot Ion:	97	Resp:	13266
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.3	80.3
83	75.8	60.5	112.5
85	47.5	38.3	71.1



#46
 Tetrachloroethene
 Concen: 5.820 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

Tgt Ion:	164	Resp:	11954
Ion	Ratio	Lower	Upper
164	100		
129	87.6	62.8	116.6
131	86.7	60.8	112.8
166	126.3	88.9	165.1





#48

2-Hexanone

Concen: 9.923 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tot Ion: 43 Resp: 24184

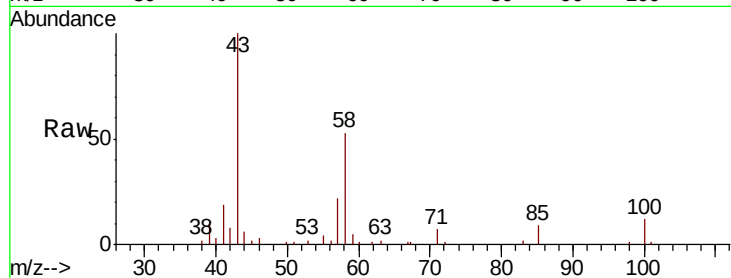
Ion Ratio Lower Upper

43 100

58 51.0 45.1 67.7

57 21.3 15.7 23.5

100 13.8 11.0 16.4

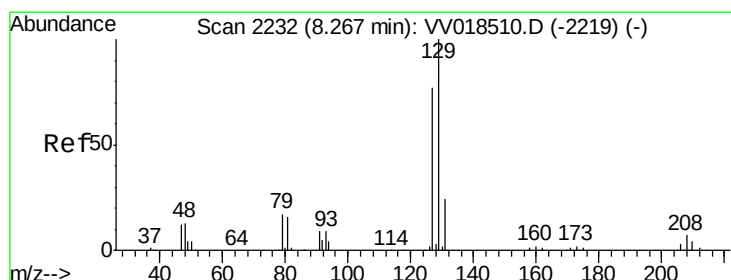
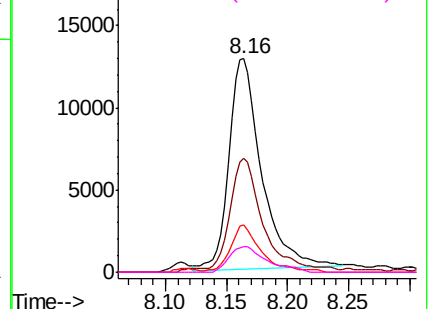
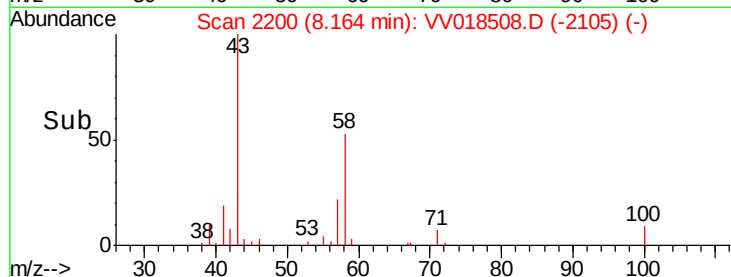


Abundance Ion 43.00 (42.70 to 43.70): VV018510.D (-2189) (-)

Ion 58.00 (57.70 to 58.70): VV018510.D (-2189) (-)

Ion 57.00 (56.70 to 57.70): VV018510.D (-2189) (-)

Ion 100.00 (99.70 to 100.70): VV018510.D (-2189) (-)



#49

Dibromochloromethane

Concen: 5.210 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV018508.D

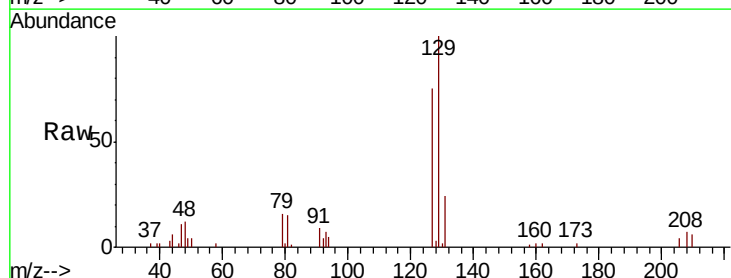
Acq: 29 Sep 2020 11:16

Tgt Ion: 129 Resp: 13813

Ion Ratio Lower Upper

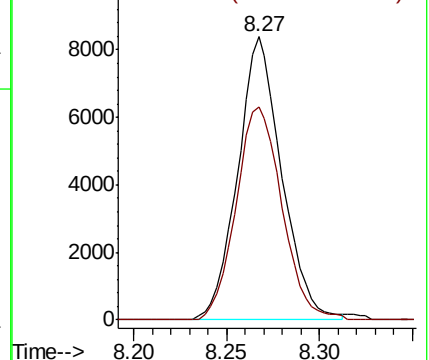
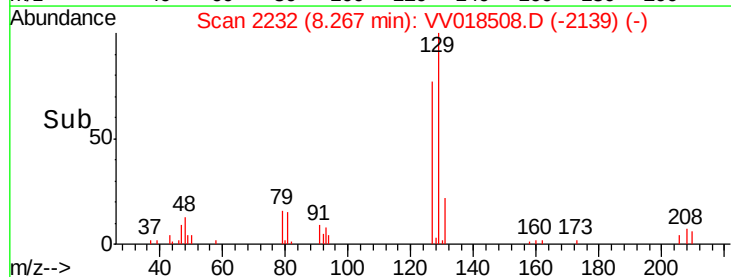
129 100

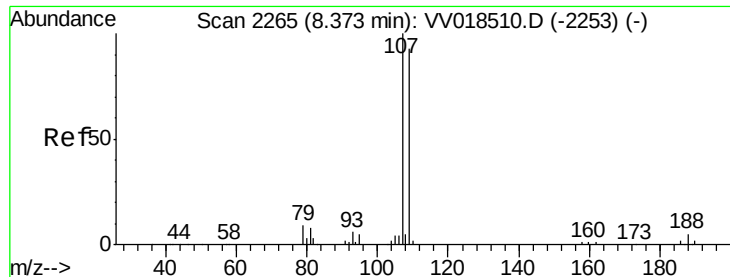
127 75.1 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VV018510.D (-2219) (-)

Ion 127.00 (126.70 to 127.70): VV018510.D (-2219) (-)

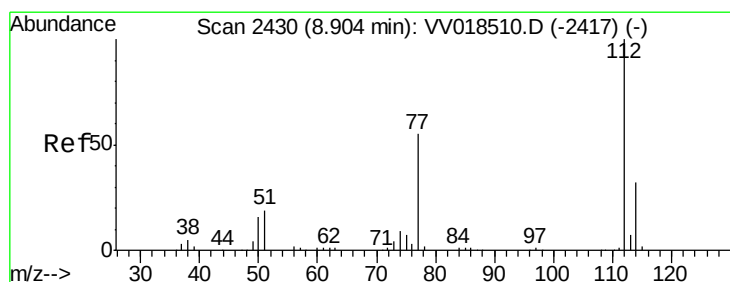
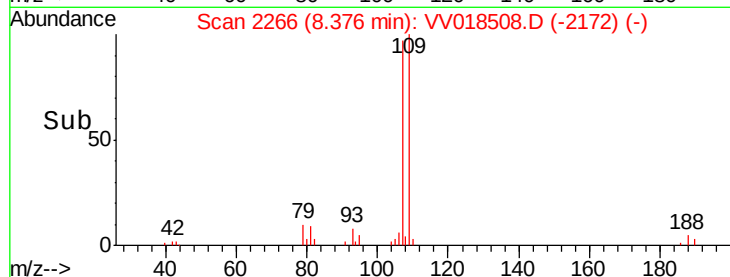
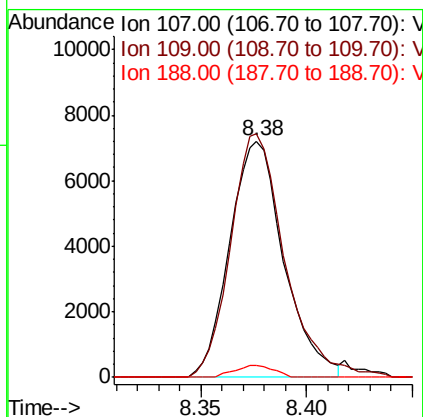
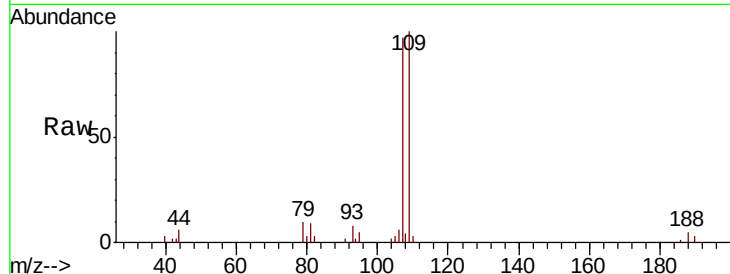




#50
 1,2-Dibromoethane
 Concen: 5.161 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

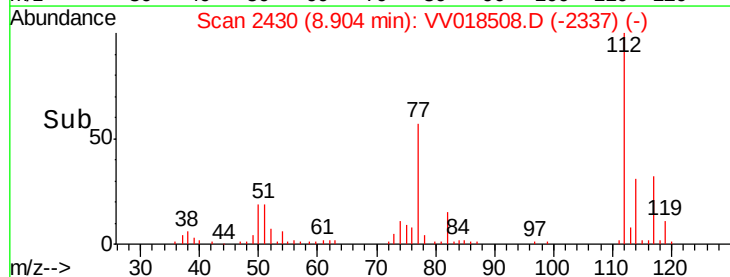
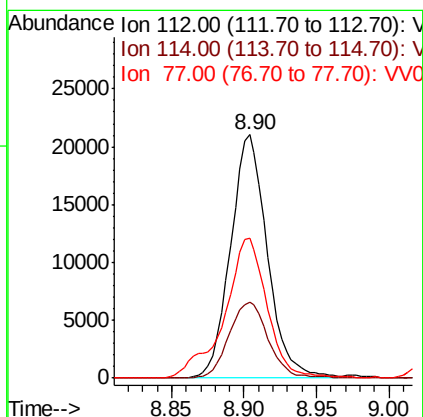
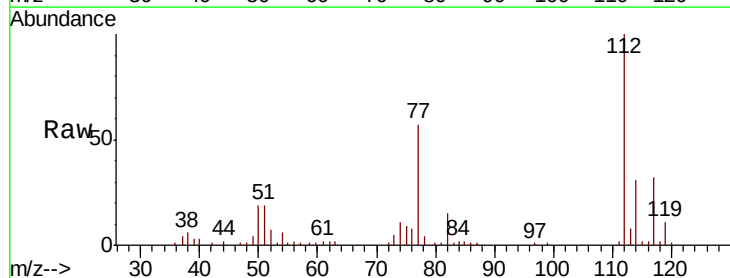
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

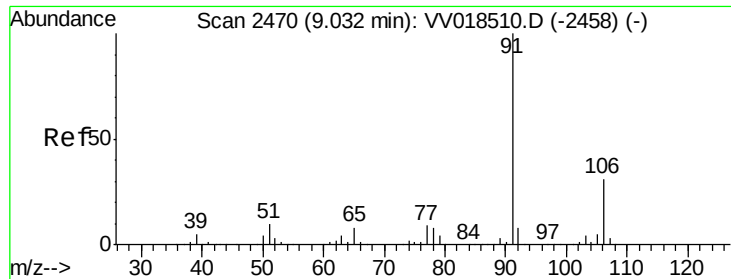
Tot Ion:107 Resp: 12830
 Ion Ratio Lower Upper
 107 100
 109 103.0 65.1 120.9
 188 5.0 3.7 5.5



#51
 Chlorobenzene
 Concen: 5.618 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

Tgt Ion:112 Resp: 37129
 Ion Ratio Lower Upper
 112 100
 114 31.0 22.4 41.6
 77 57.5 44.8 67.2





#52

Ethylbenzene

Concen: 5.299 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

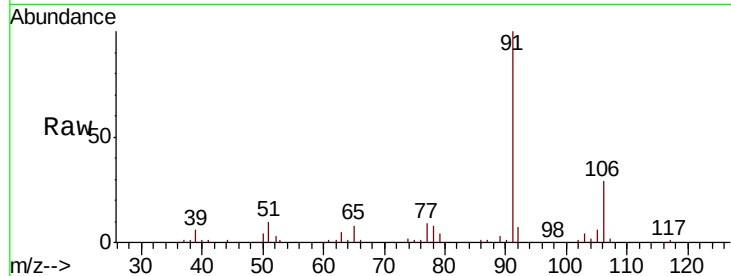
VSTD00565

Tot Ion: 91 Resp: 58876

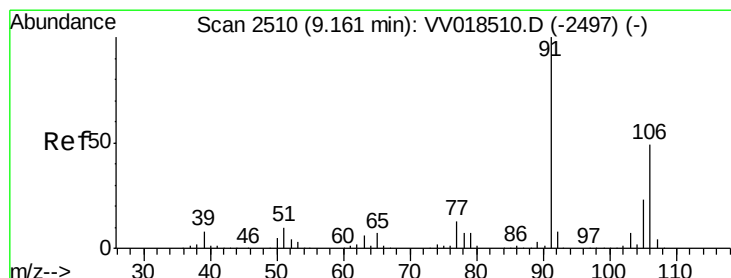
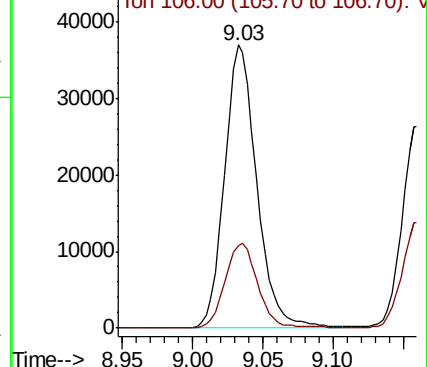
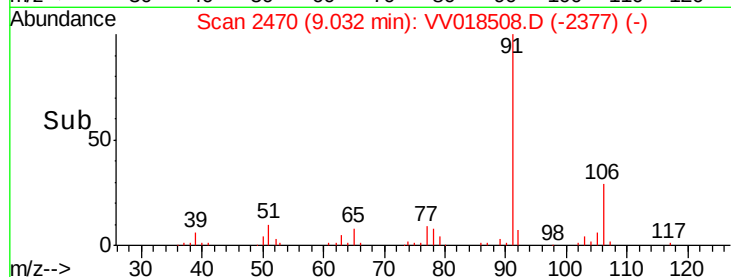
Ion Ratio Lower Upper

91 100

106 29.2 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018508.D (-2377) (-)



#53

m,p-Xylene

Concen: 5.528 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018508.D

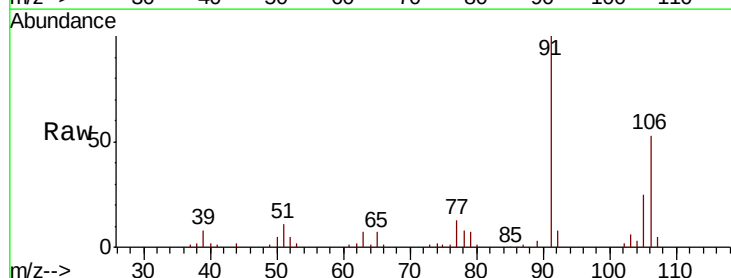
Acq: 29 Sep 2020 11:16

Tgt Ion: 106 Resp: 22925

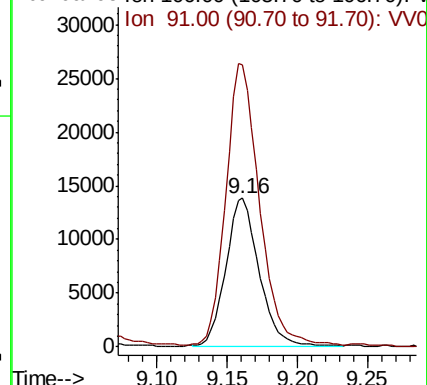
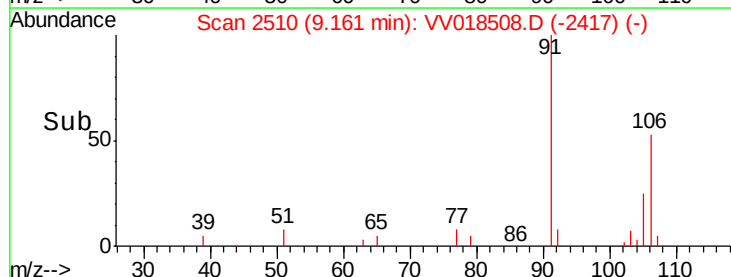
Ion Ratio Lower Upper

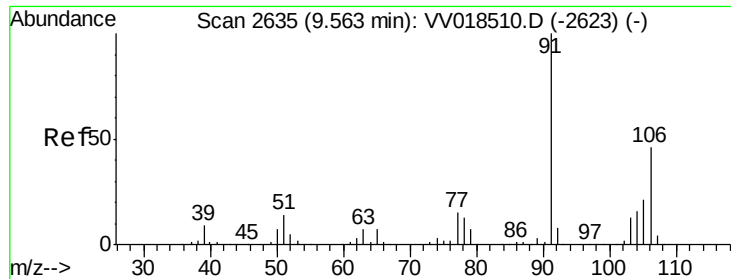
106 100

91 189.5 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018508.D (-2417) (-)

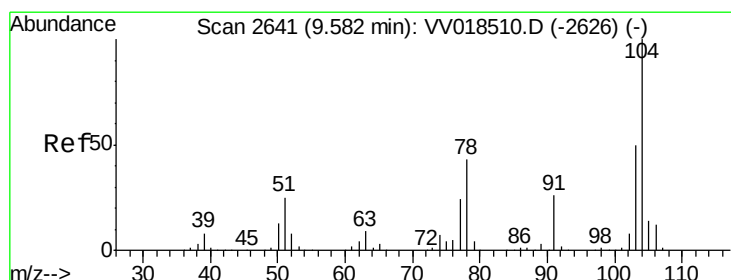
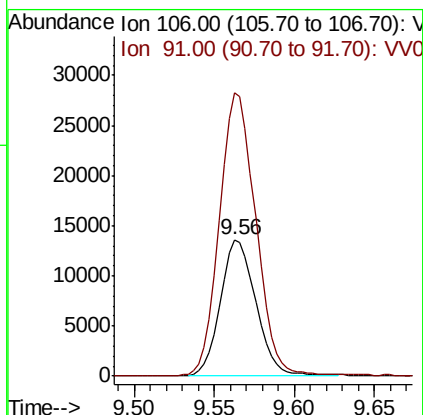
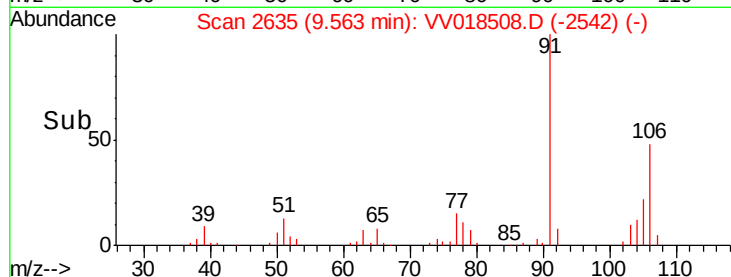
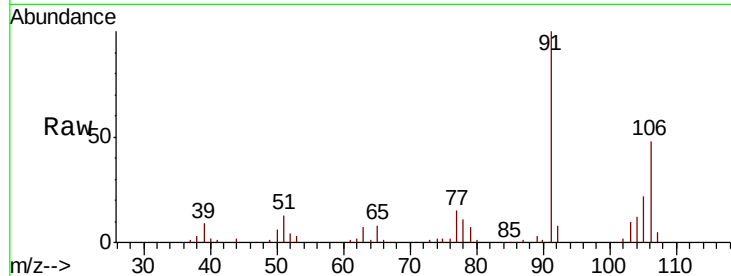




#54
o-xylene
Concen: 5.221 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

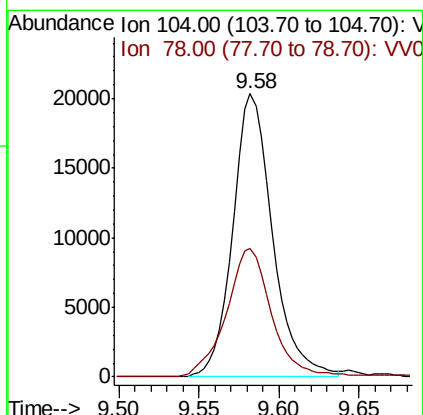
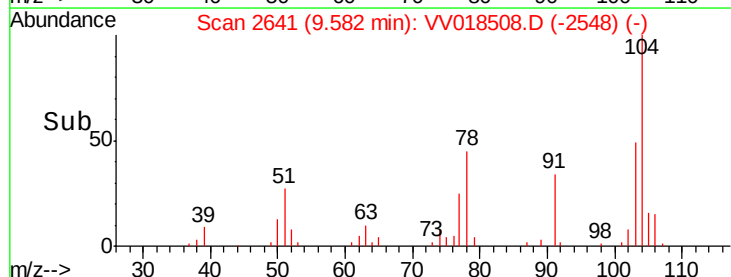
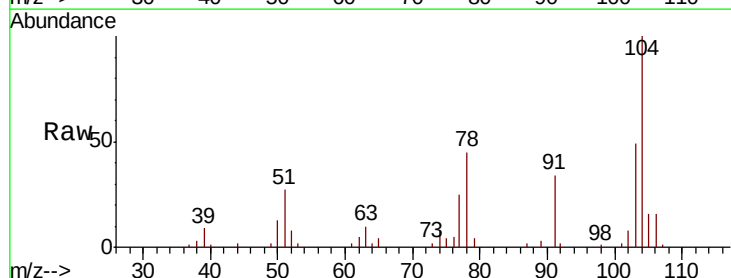
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

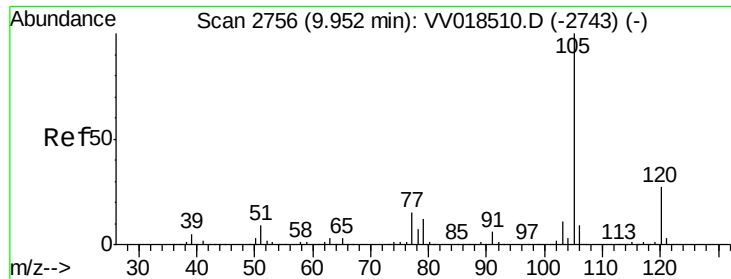
Tot Ion:106 Resp: 20860
Ion Ratio Lower Upper
106 100
91 207.5 151.0 280.4



#55
Styrene
Concen: 4.971 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018508.D
Acq: 29 Sep 2020 11:16

Tgt Ion:104 Resp: 34520
Ion Ratio Lower Upper
104 100
78 45.2 30.2 56.2





#56

Isopropylbenzene

Concen: 5.104 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

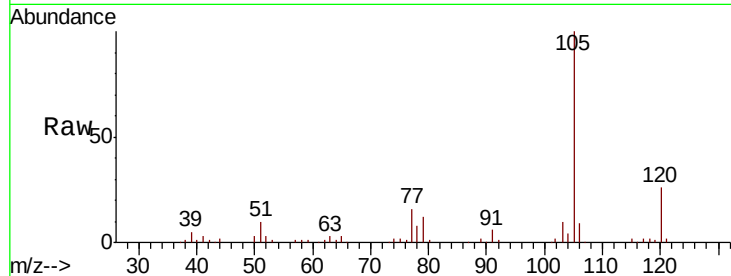
Tot Ion:105 Resp: 54957

Ion Ratio Lower Upper

105 100

120 25.6 21.5 32.3

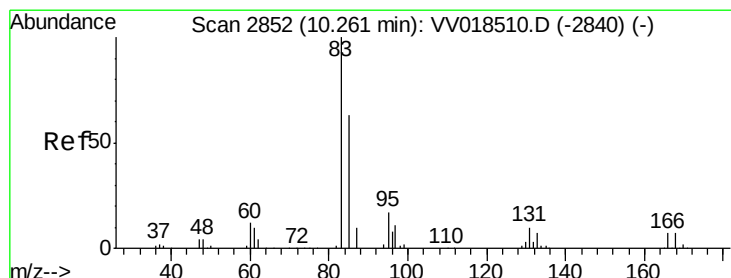
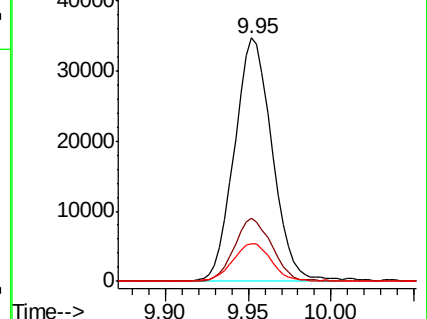
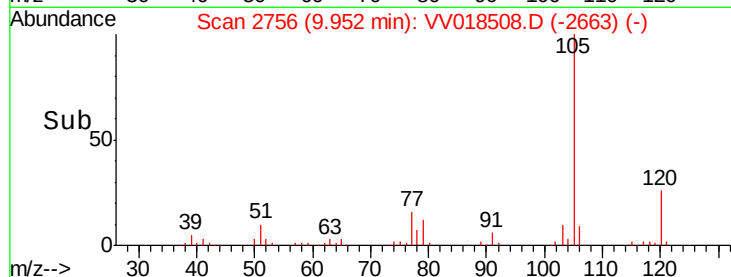
77 15.9 12.2 18.2



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: 4.639 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

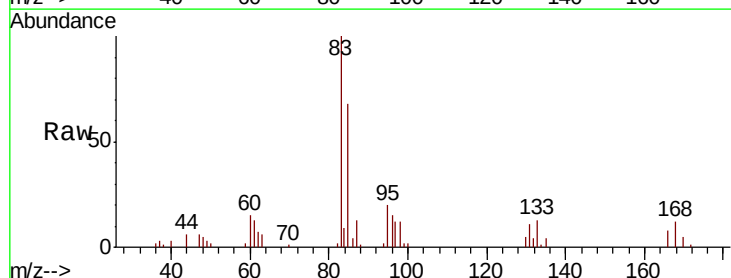
Tgt Ion: 83 Resp: 16209

Ion Ratio Lower Upper

83 100

85 67.7 44.5 82.7

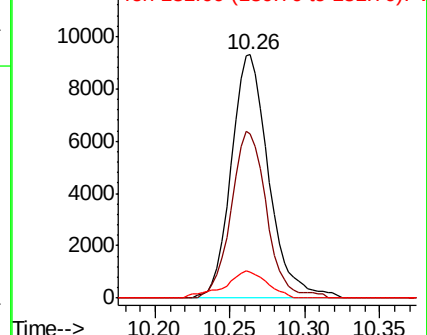
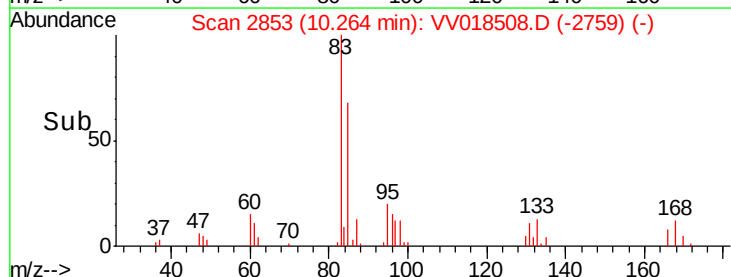
131 10.8 8.6 12.8

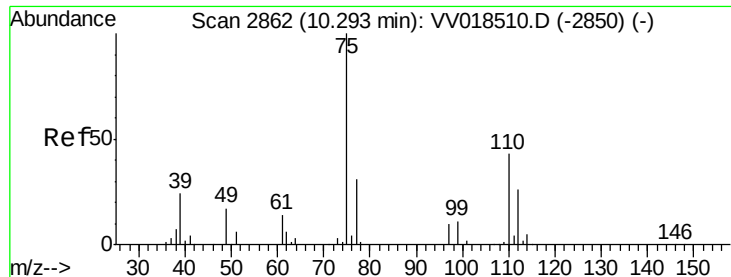


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.202 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

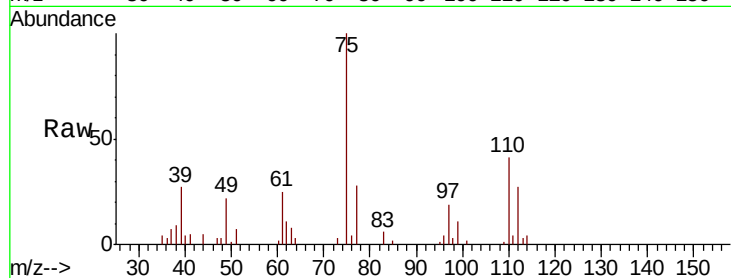
VSTD00565

Tot Ion: 75 Resp: 15590

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

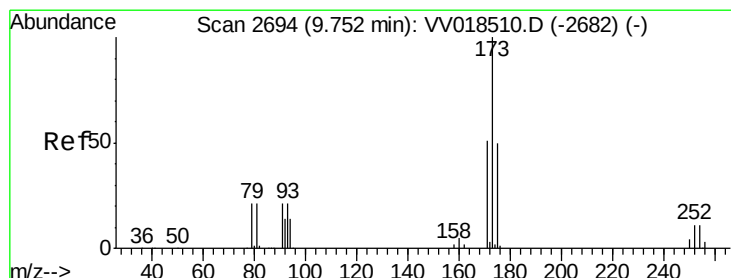
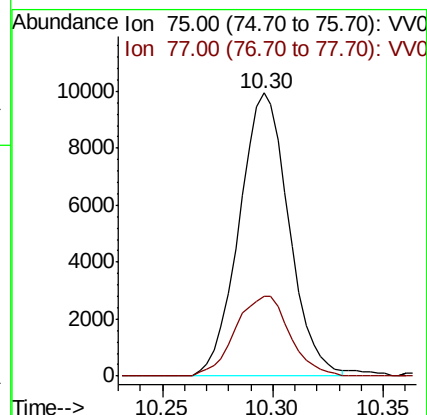
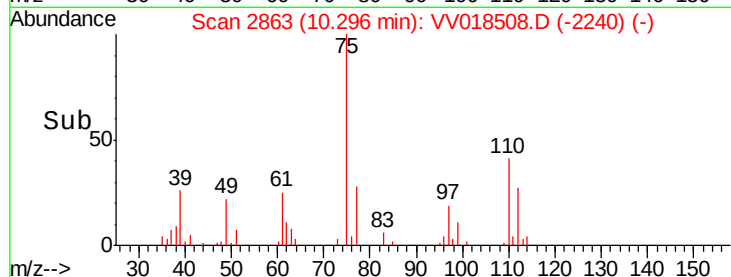


Abundance Ion 75.00 (74.70 to 75.70): VV018510.D (-2850) (-)

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

10.30

10.25 10.30 10.35



#61

Bromoform

Concen: 4.961 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

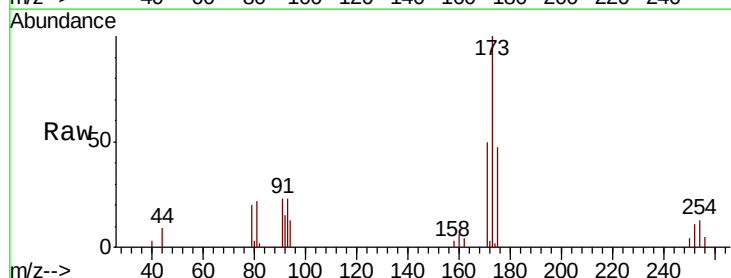
Tgt Ion: 173 Resp: 9837

Ion Ratio Lower Upper

173 100

175 50.4 39.8 59.8

254 11.8 8.5 12.7



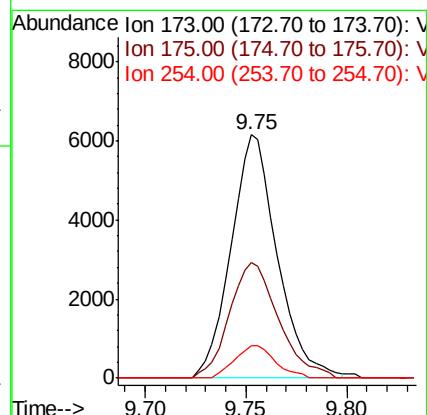
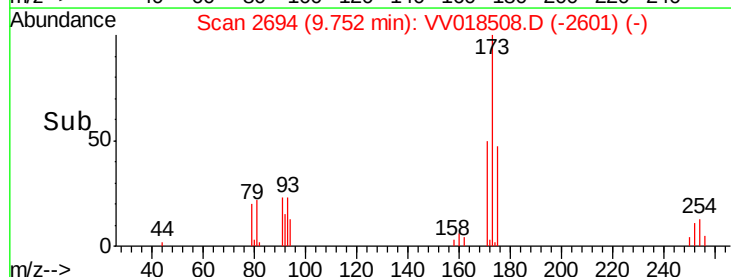
Abundance Ion 173.00 (172.70 to 173.70): VV018510.D (-2682) (-)

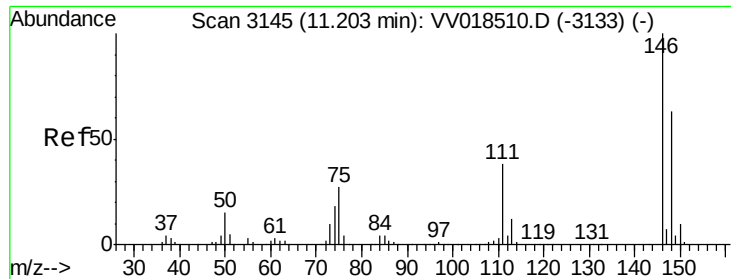
Ion 175.00 (174.70 to 175.70): VV018510.D (-2682) (-)

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

9.75

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 5.700 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

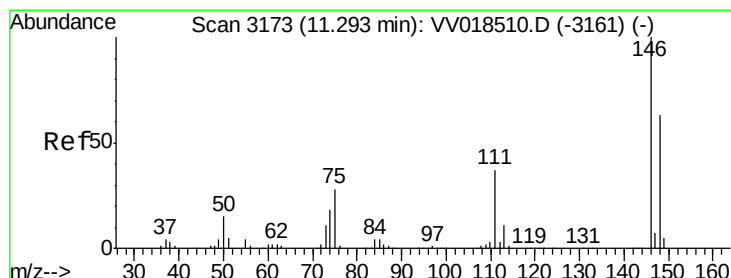
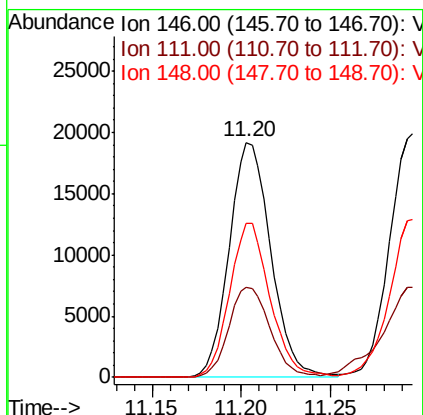
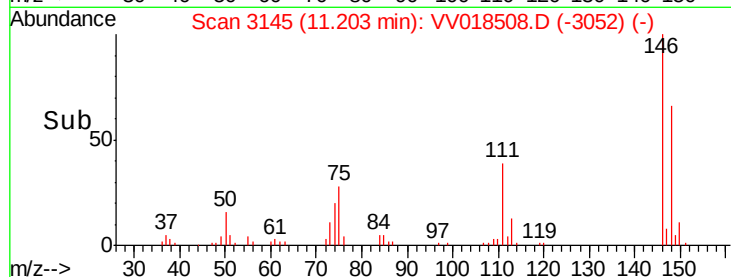
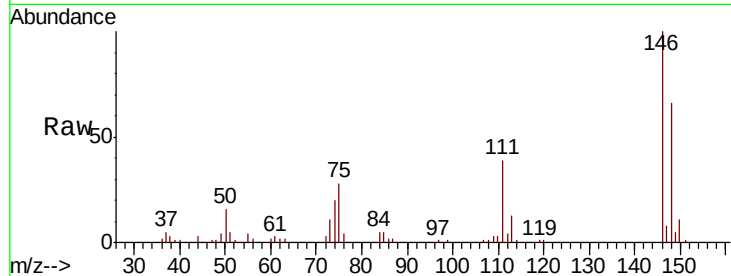
Tot Ion:146 Resp: 31284

Ion Ratio Lower Upper

146 100

111 38.5 26.8 49.8

148 65.7 44.0 81.8



#63

1,4-Dichlorobenzene

Concen: 5.693 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

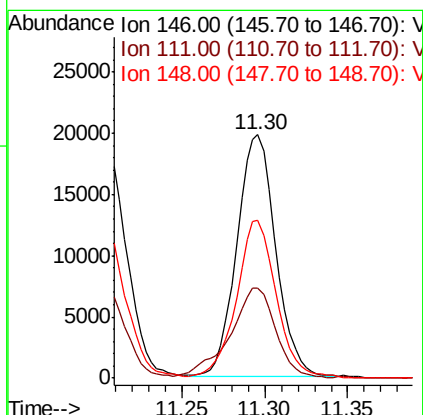
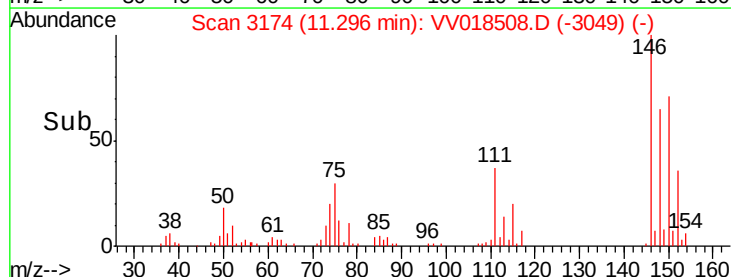
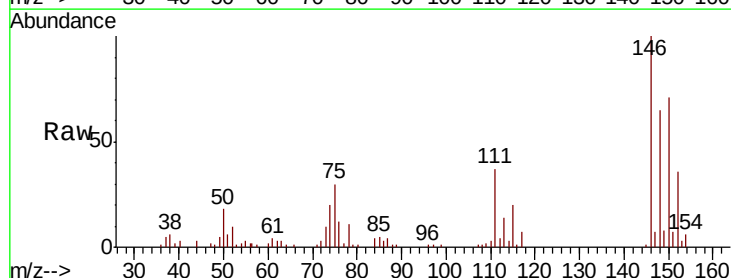
Tgt Ion:146 Resp: 32114

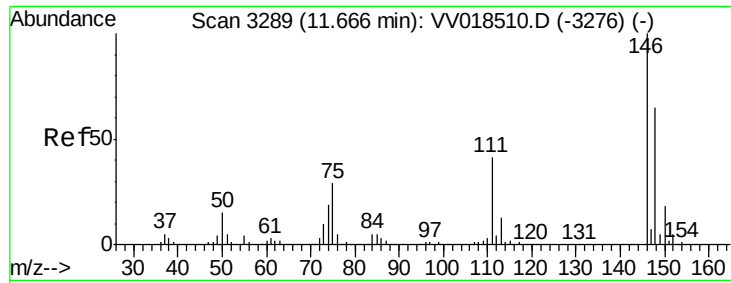
Ion Ratio Lower Upper

146 100

111 37.2 26.2 48.6

148 65.0 44.4 82.5

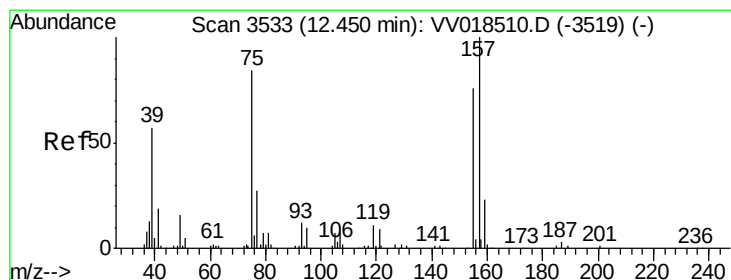
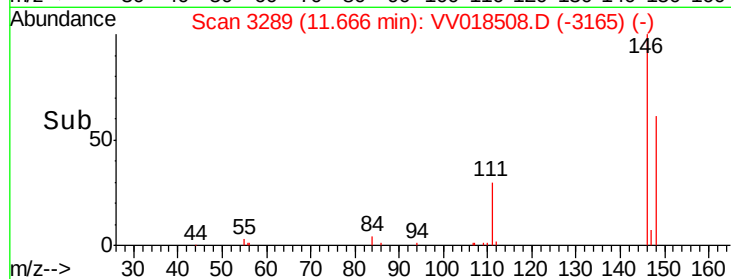
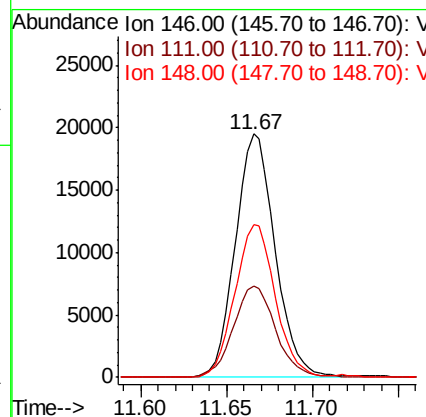
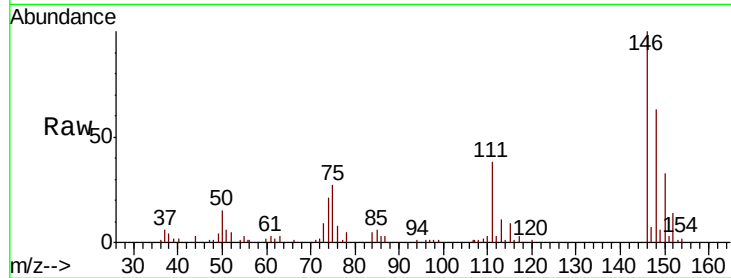




#65
 1,2-Dichlorobenzene
 Concen: 5.631 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

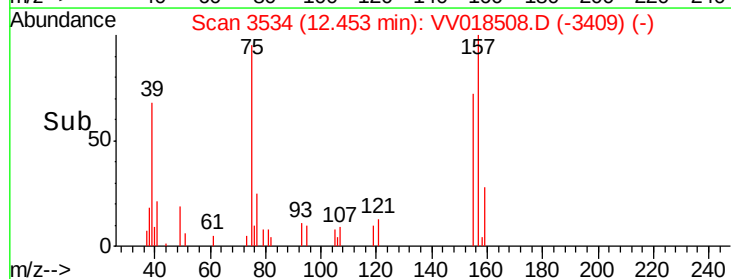
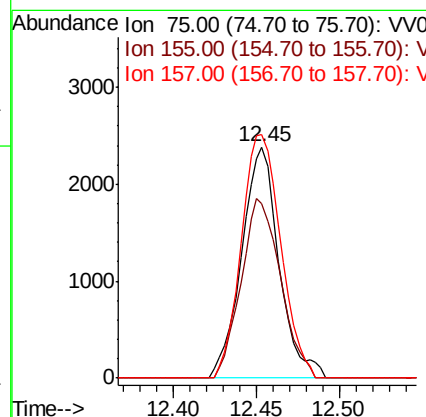
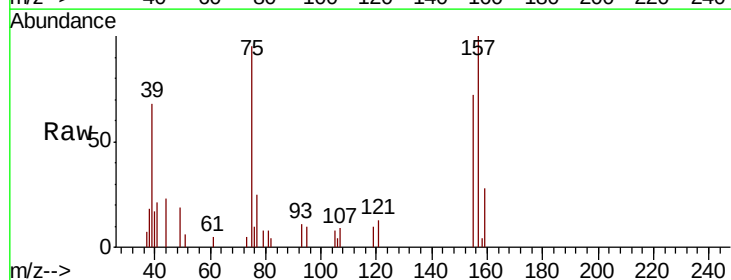
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

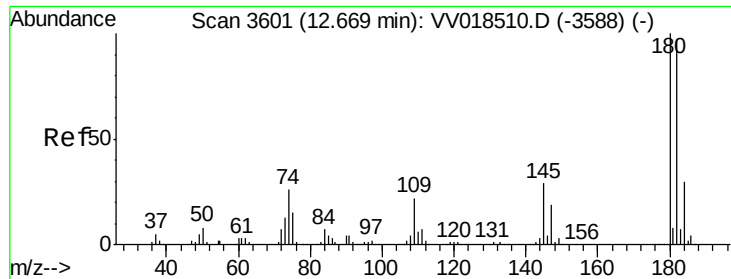
Tot Ion:146 Resp: 31236
 Ion Ratio Lower Upper
 146 100
 111 37.7 32.8 49.2
 148 62.8 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.765 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

Tgt Ion: 75 Resp: 3730
 Ion Ratio Lower Upper
 75 100
 155 75.6 73.0 109.6
 157 105.2 95.8 143.6

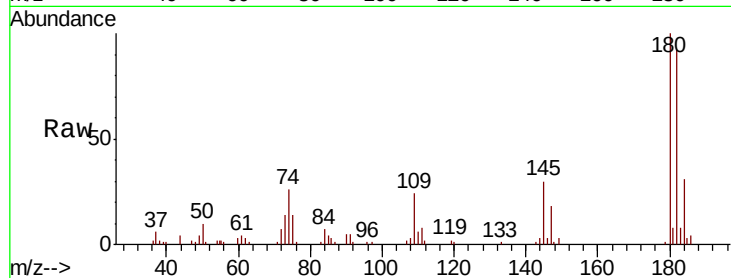




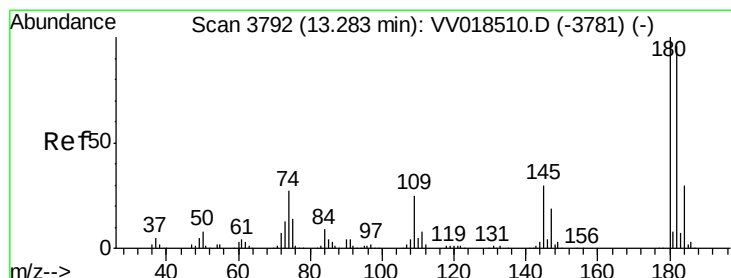
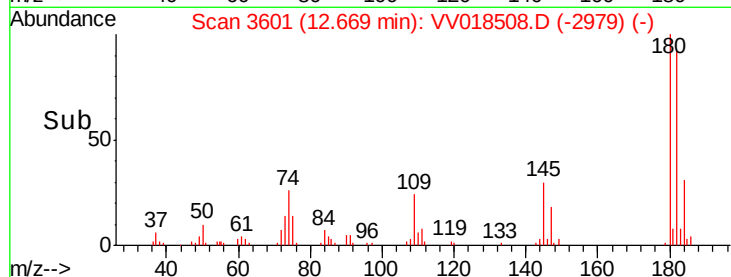
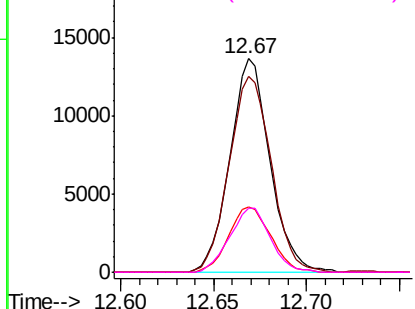
#67
 1,3,5-Trichlorobenzene
 Concen: 4.736 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tot Ion:180 Resp: 20491
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.1 115.7
 184 31.9 24.3 36.5
 145 30.5 22.9 34.3

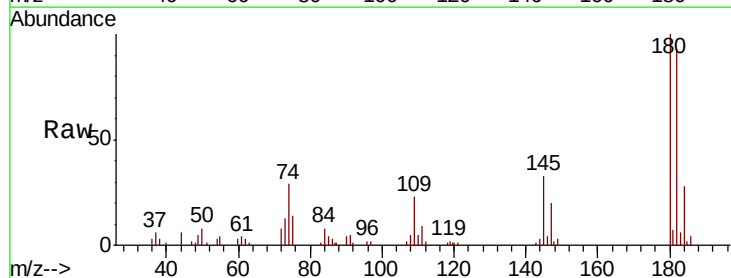


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

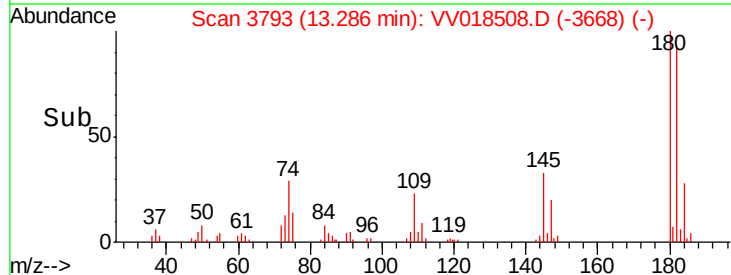
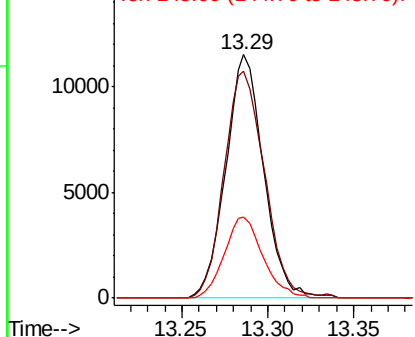


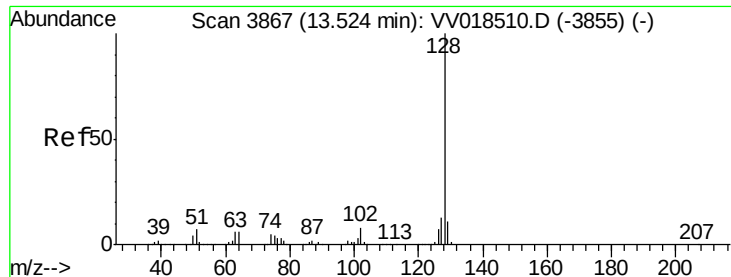
#68
 1,2,4-trichlorobenzene
 Concen: 4.585 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018508.D
 Acq: 29 Sep 2020 11:16

Tgt Ion:180 Resp: 17665
 Ion Ratio Lower Upper
 180 100
 182 99.1 76.3 114.5
 145 34.0 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: 4.479 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

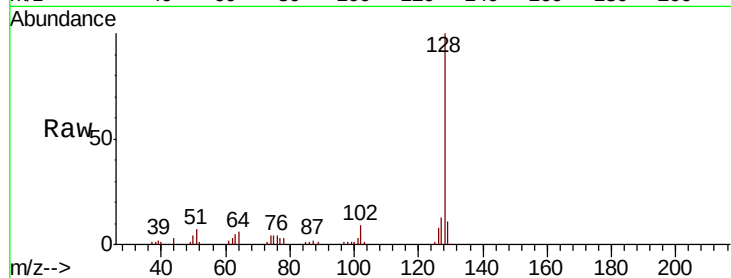
Tot Ion:128 Resp: 43659

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

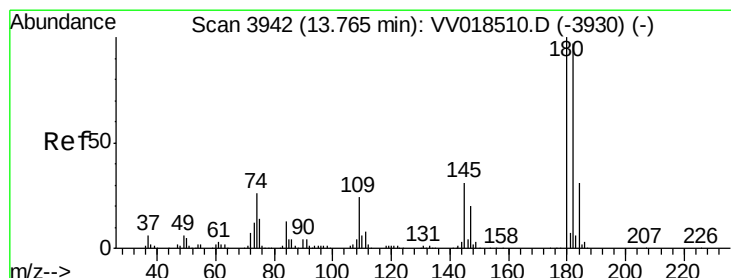
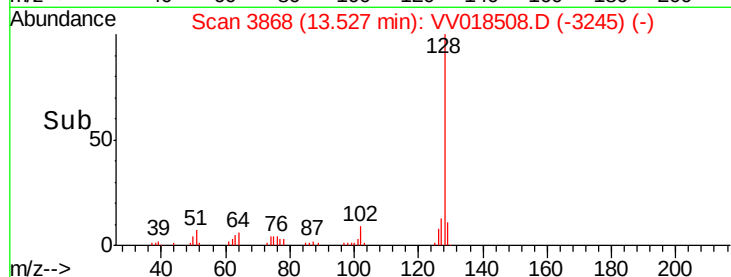
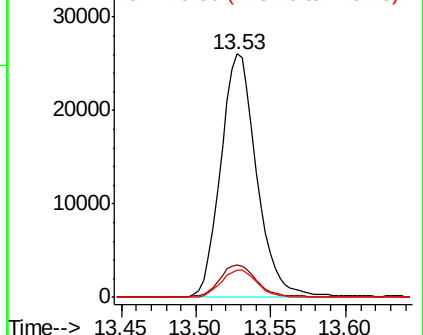
129 11.1 8.6 12.8



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: 4.760 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018508.D

Acq: 29 Sep 2020 11:16

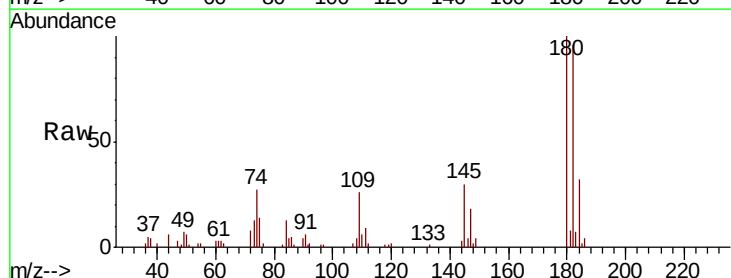
Tgt Ion:180 Resp: 18063

Ion Ratio Lower Upper

180 100

182 101.5 77.1 115.7

145 30.9 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

