

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018511.D
 Acq On : 29 Sep 2020 12:38
 Operator : SY/MD
 Sample : VSTD10062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

Quant Time: Sep 30 01:18:49 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	366546	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	355271	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	199577	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	219308	73.42	ug/L	0.00
7) Chloroethane-d5	1.58	69	178711	73.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	442548	80.76	ug/L	0.00
21) 2-Butanone-d5	3.91	46	350085	191.47	ug/L	0.00
24) Chloroform-d	4.38	84	478364	92.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	308458	92.84	ug/L	0.00
32) Benzene-d6	5.08	84	940848	92.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	287933	89.10	ug/L	0.00
41) Toluene-d8	7.34	98	900939	97.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	160928	98.00	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	250840	204.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	390391	96.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	399139	97.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	233919	87.518	ug/L 99
3) Chloromethane	1.25	50	251134	86.047	ug/L 99
5) Vinyl chloride	1.32	62	266515	89.050	ug/L 100
6) Bromomethane	1.53	94	185435	101.371	ug/L 97
8) Chloroethane	1.60	64	163532	87.226	ug/L 100
9) Trichlorofluoromethane	1.76	101	411810	100.007	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	226383	91.525	ug/L 100
12) 1,1-Dichloroethene	2.13	96	218513	90.793	ug/L 99
13) Acetone	2.20	43	259772	177.427	ug/L 99
14) Carbon disulfide	2.31	76	721170	97.926	ug/L 99
15) Methyl Acetate	2.45	43	257772	97.969	ug/L 99
16) Methylene chloride	2.52	84	260900	96.659	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	254195	102.485	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	793491	103.420	ug/L 100
19) 1,1-Dichloroethane	3.21	63	449479	95.847	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	277899	104.812	ug/L 97
22) 2-Butanone	4.00	43	369292	213.007	ug/L 96
23) Bromochloromethane	4.27	128	148581	107.106	ug/L 99
25) Chloroform	4.40	83	471820	98.978	ug/L 100
27) 1,2-Dichloroethane	5.15	62	375363	101.716	ug/L 100
29) Cyclohexane	4.70	56	410561	100.077	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	434494	105.382	ug/L 100
31) Carbon tetrachloride	4.86	117	391636	108.025	ug/L 100
33) Benzene	5.13	78	1028949	101.298	ug/L 100
34) Trichloroethene	5.94	95	285841	103.302	ug/L 99
35) Methylcyclohexane	6.15	83	413862	99.337	ug/L 100
37) 1,2-Dichloropropane	6.20	63	263154	97.767	ug/L 100
38) Bromodichloromethane	6.53	83	362223	103.411	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	443211	106.870	ug/L 98
40) 4-Methyl-2-pentanone	7.24	43	714172	218.708	ug/L 99

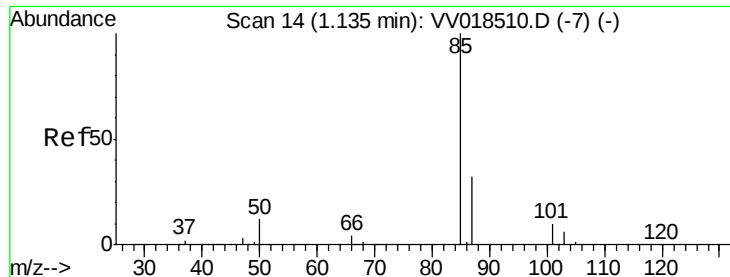
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
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 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:16:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1131201	105.233	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	434579	107.624	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	260429	104.388	ug/L	98
46) Tetrachloroethene	8.00	164	242421	111.736	ug/L	100
48) 2-Hexanone	8.16	43	559821	217.458	ug/L	100
49) Dibromochloromethane	8.27	129	311053	111.075	ug/L	99
50) 1,2-Dibromoethane	8.37	107	283817	108.093	ug/L	98
51) Chlorobenzene	8.90	112	750613	107.521	ug/L	99
52) Ethylbenzene	9.03	91	1282753	109.302	ug/L	99
53) m,p-Xylene	9.16	106	490907	112.068	ug/L	100
54) o-xylene	9.56	106	472612	111.991	ug/L	98
55) Styrene	9.58	104	840573	114.598	ug/L	99
56) Isopropylbenzene	9.95	105	1265520	111.270	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	386667	104.776	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	326058	102.992	ug/L	99
61) Bromoform	9.75	173	239059	111.500	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	639769	107.804	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	652267	106.930	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	633558	105.619	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	92841	109.679	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	453610	96.956	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	437183	104.935	ug/L	100
69) Naphthalene	13.52	128	1348109	127.881	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	436198	106.300	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 87.518 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

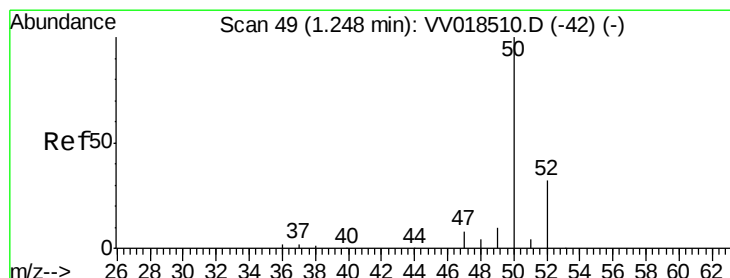
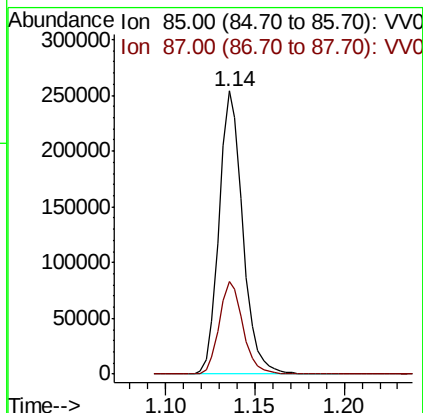
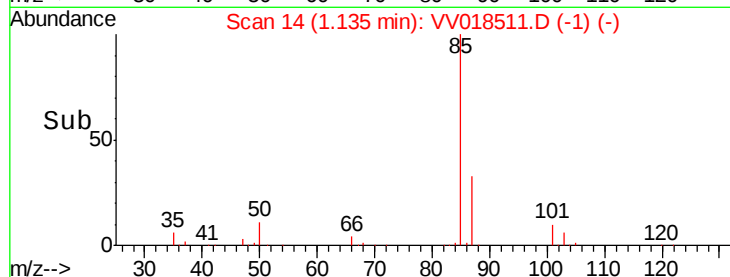
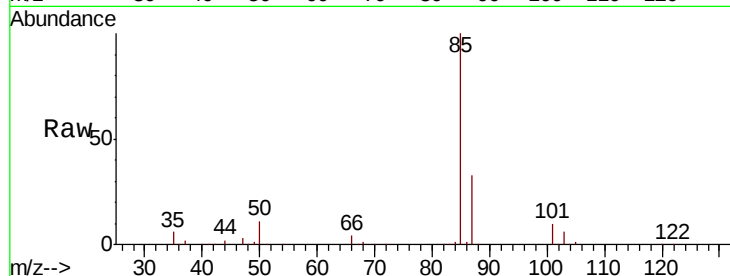
VSTD10062

Tot Ion: 85 Resp: 233919

Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



#3

Chloromethane

Concen: 86.047 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018511.D

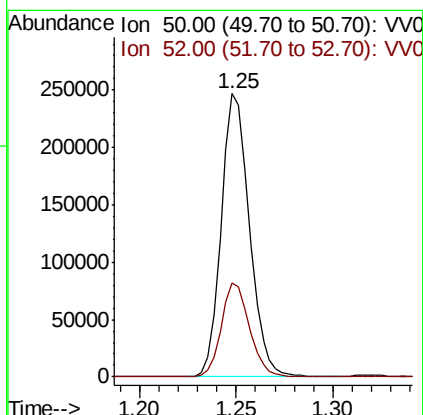
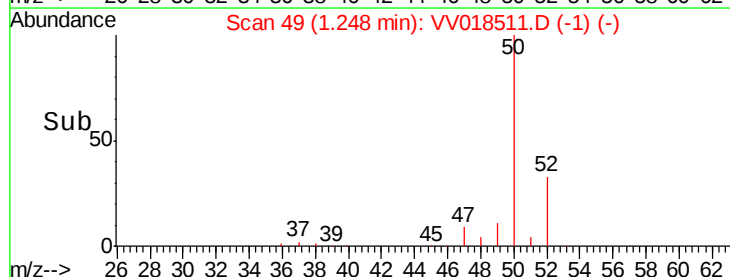
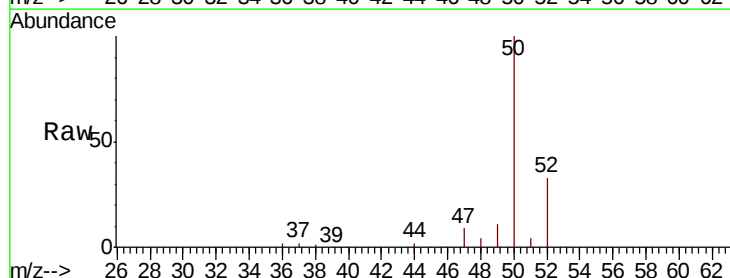
Acq: 29 Sep 2020 12:38

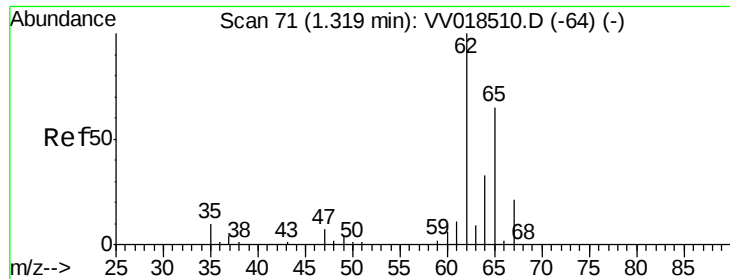
Tgt Ion: 50 Resp: 251134

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.1





#5

Vinyl chloride

Concen: 89.050 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

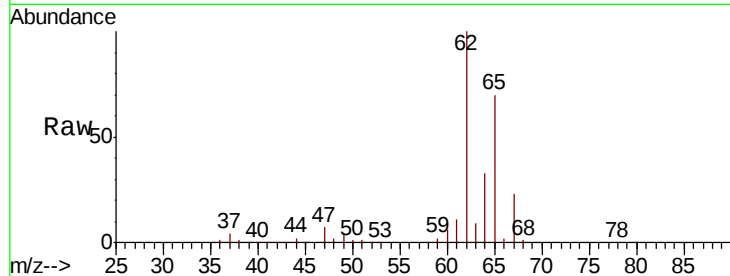
VSTD10062

Tot Ion: 62 Resp: 266515

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

250000

200000

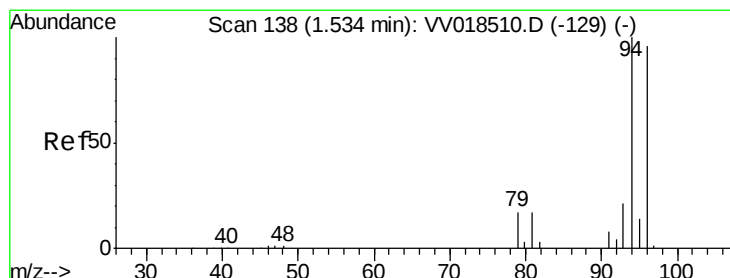
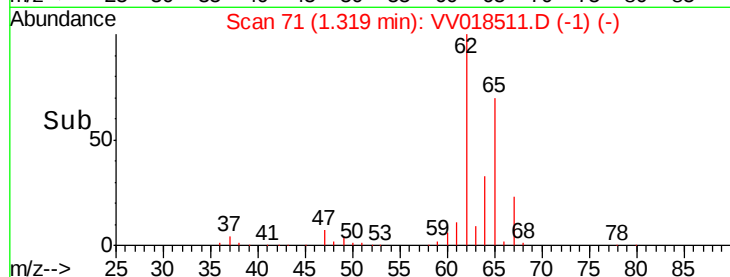
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 101.371 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018511.D

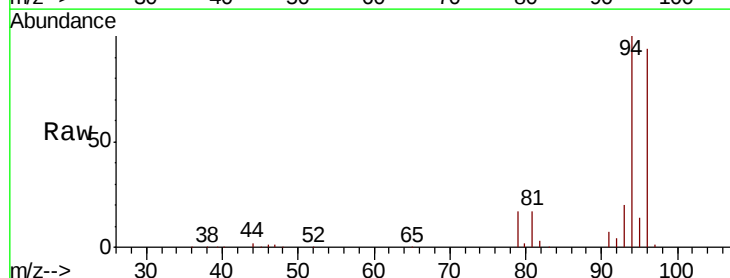
Acq: 29 Sep 2020 12:38

Tgt Ion: 94 Resp: 185435

Ion Ratio Lower Upper

94 100

96 93.7 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

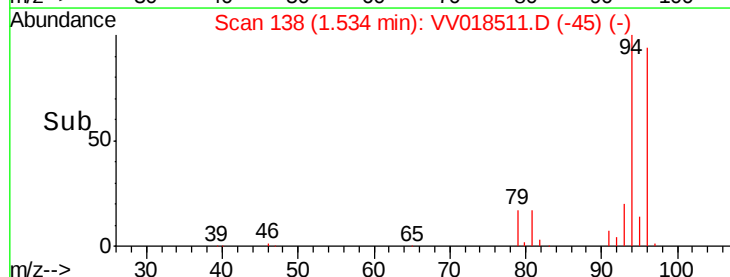
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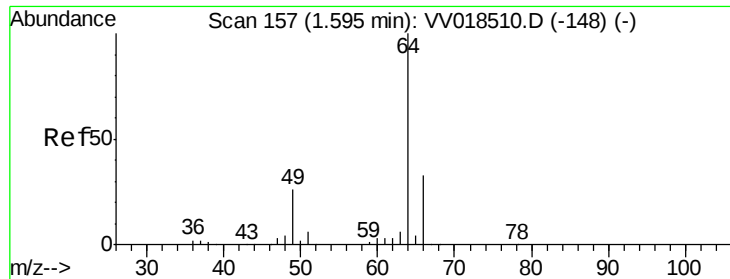
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Time-->

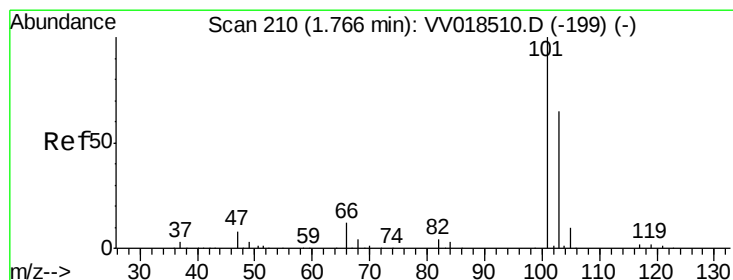
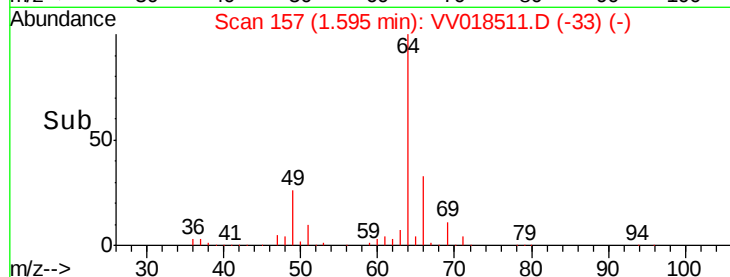
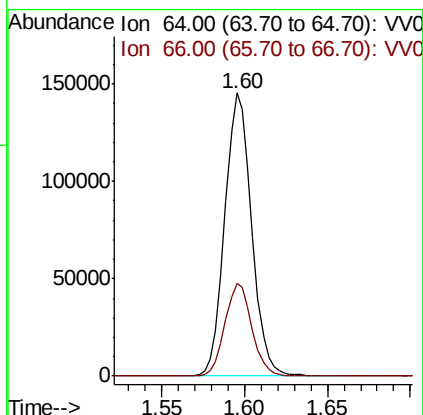
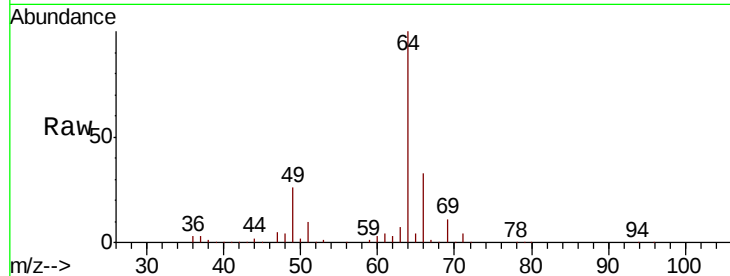




#8
Chloroethane
Concen: 87.226 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

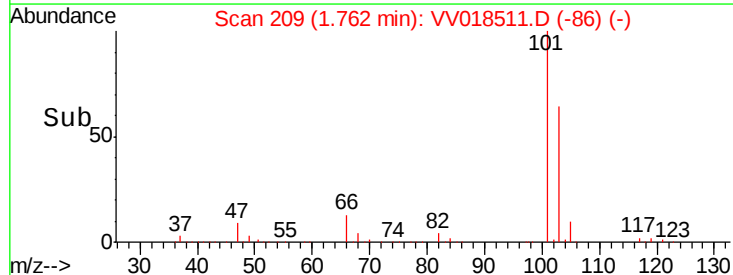
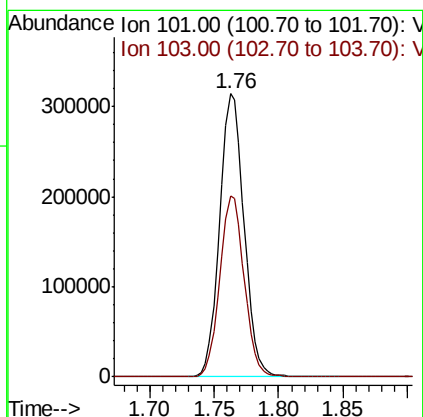
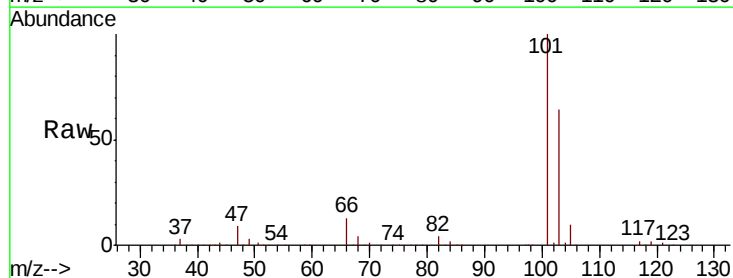
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

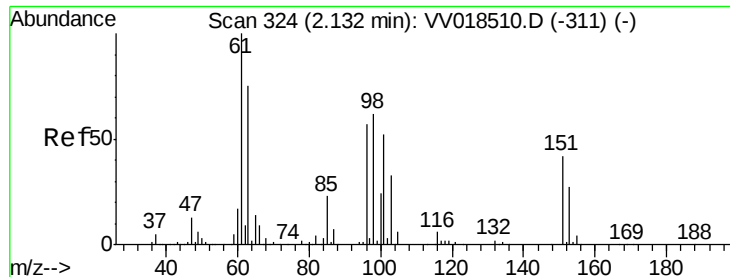
Tot Ion: 64 Resp: 163532
Ion Ratio Lower Upper
64 100
66 32.8 22.8 42.4



#9
Trichlorofluoromethane
Concen: 100.007 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

Tgt Ion:101 Resp: 411810
Ion Ratio Lower Upper
101 100
103 64.0 51.9 77.9





#10

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

Concen: 91.525 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

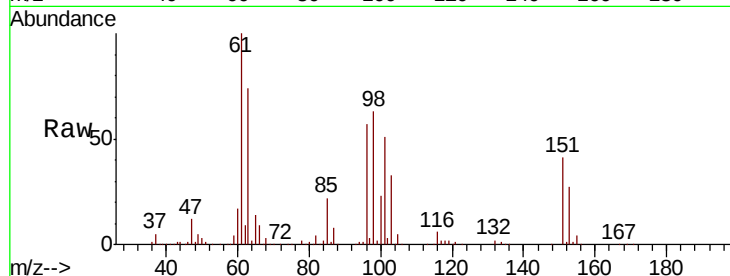
Tot Ion:101 Resp: 226383

Ion Ratio Lower Upper

101 100

85 42.9 34.6 52.0

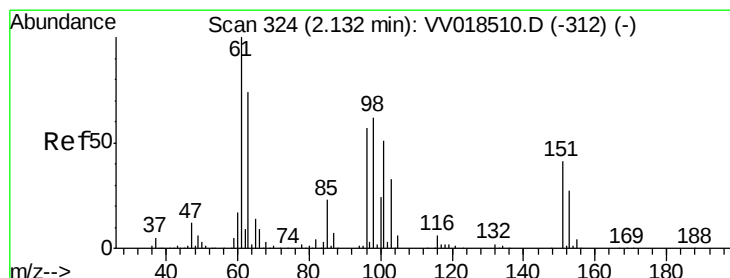
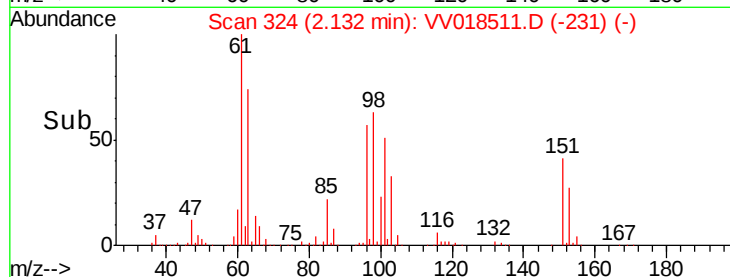
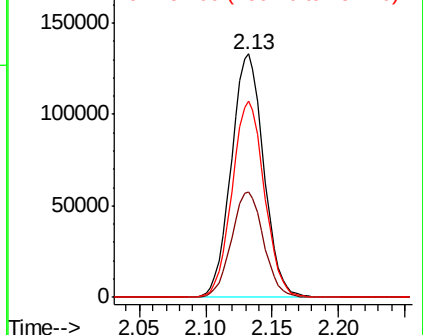
151 80.4 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 90.793 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

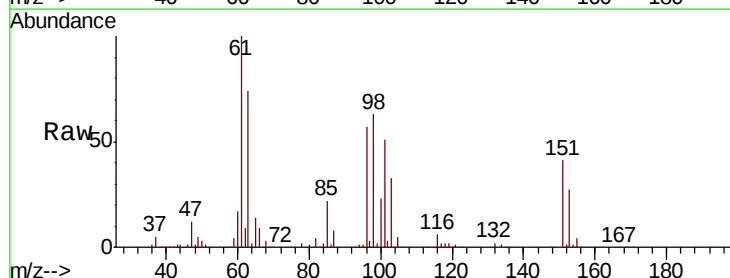
Tgt Ion: 96 Resp: 218513

Ion Ratio Lower Upper

96 100

61 174.1 122.8 228.1

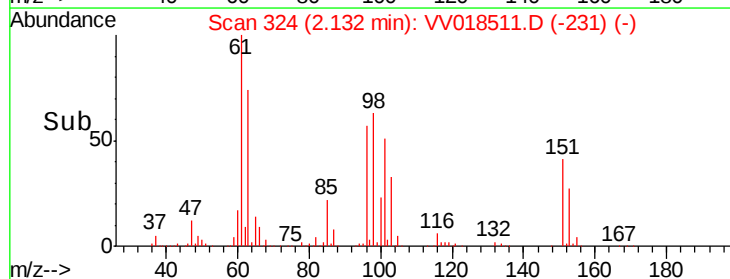
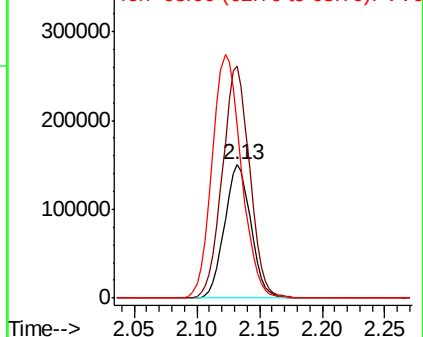
63 129.6 91.9 170.7

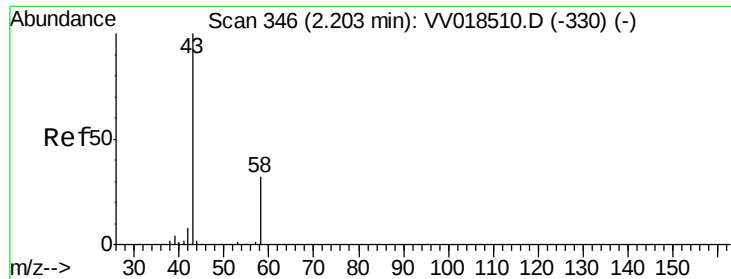


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 177.427 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

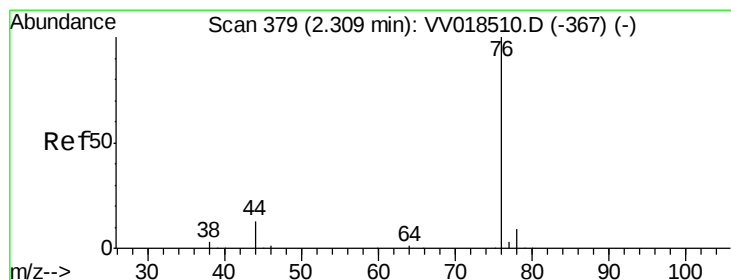
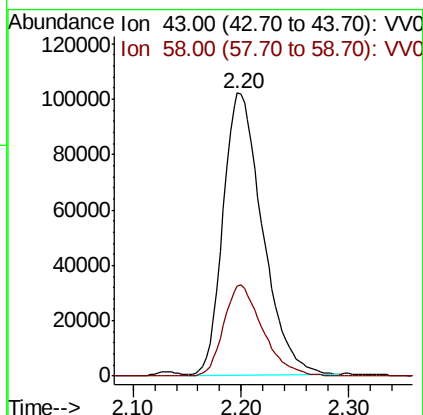
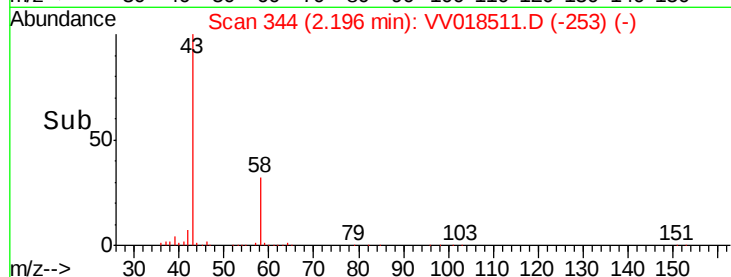
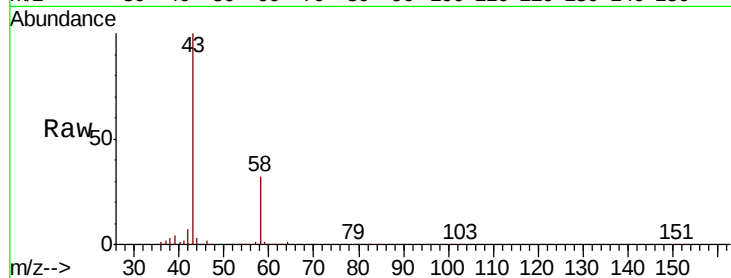
VSTD10062

Tot Ion: 43 Resp: 259772

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.0



#14

Carbon disulfide

Concen: 97.926 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018511.D

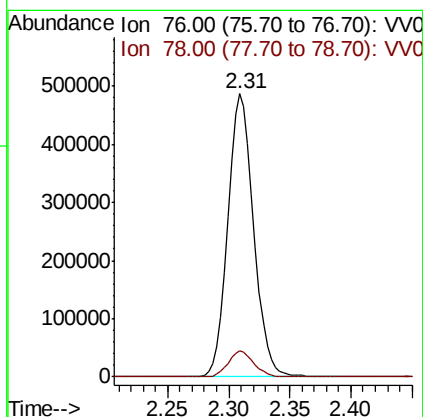
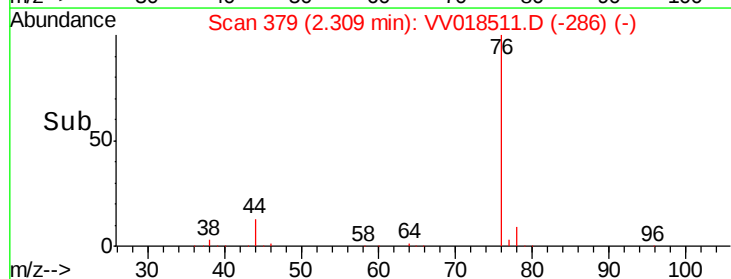
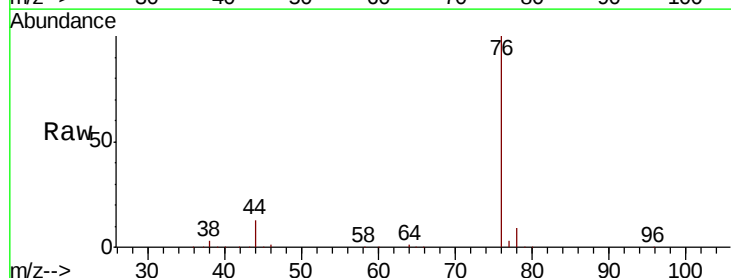
Acq: 29 Sep 2020 12:38

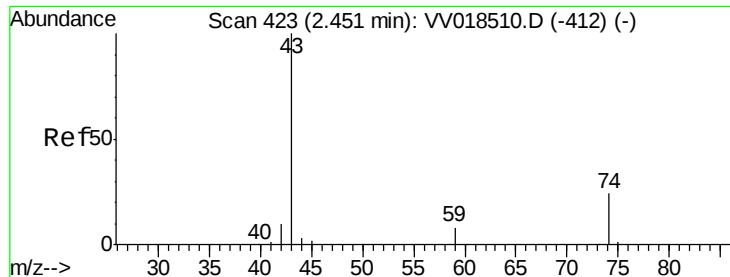
Tgt Ion: 76 Resp: 721170

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methvl Acetate

Concen: 97.969 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

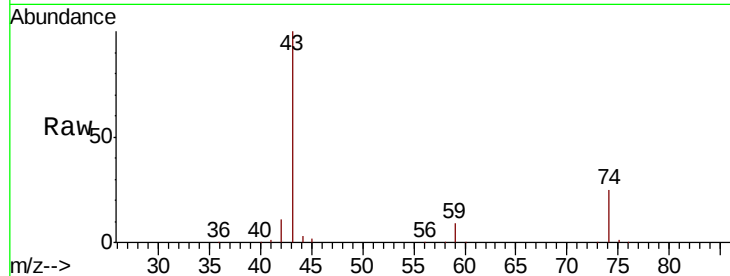
VSTD10062

Tot Ion: 43 Resp: 257772

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

150000

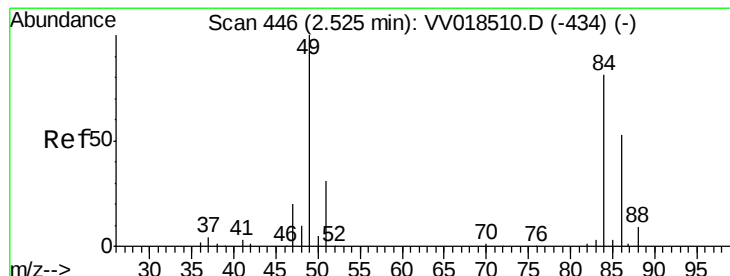
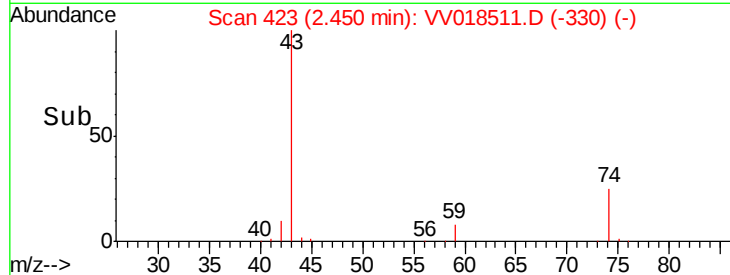
100000

50000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#16

Methylene chloride

Concen: 96.659 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

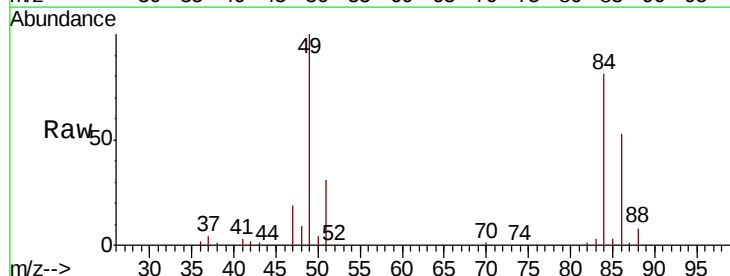
Tgt Ion: 84 Resp: 260900

Ion Ratio Lower Upper

84 100

86 65.4 46.2 85.8

49 122.7 86.6 160.8



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

250000

200000

150000

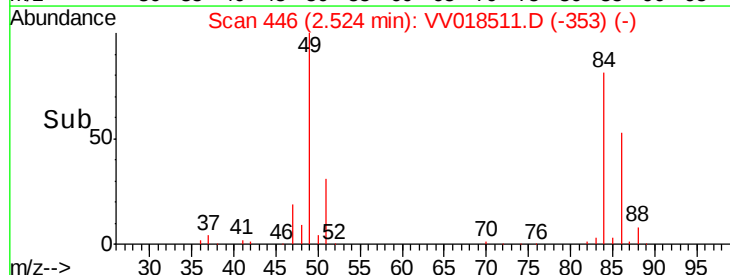
100000

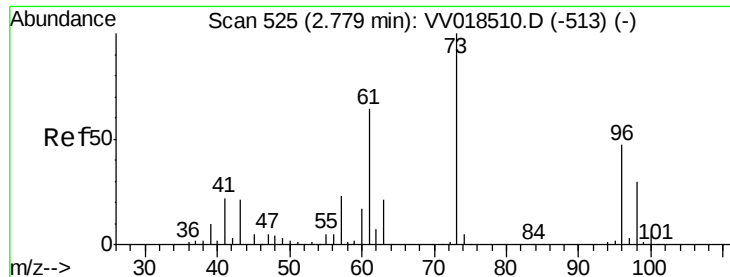
50000

0

2.45 2.50 2.55 2.60

Time-->

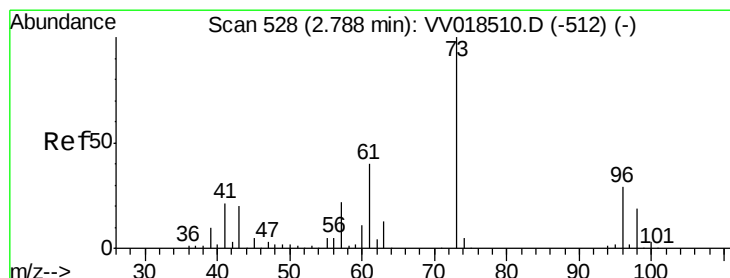
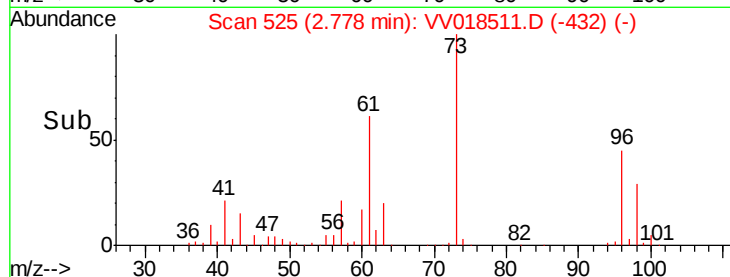
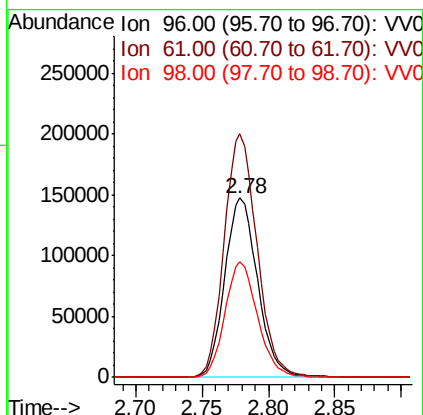
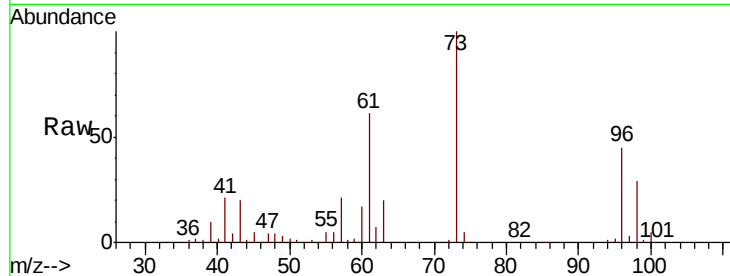




#17
trans-1,2-Dichloroethene
Concen: 102.485 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

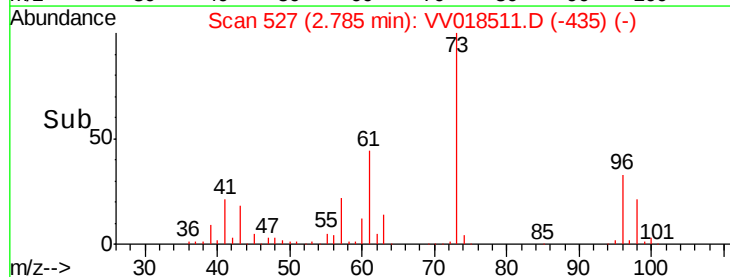
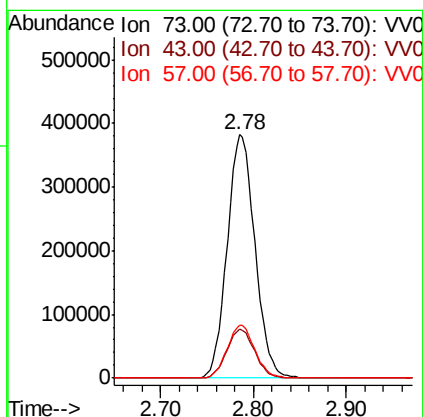
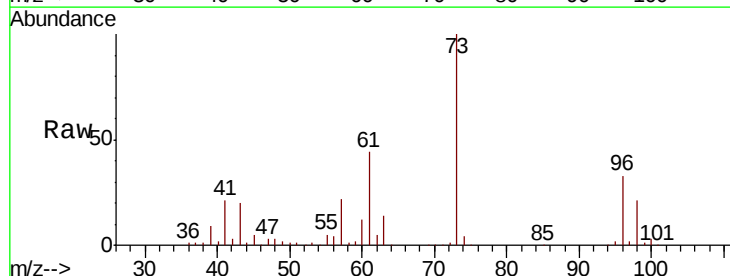
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

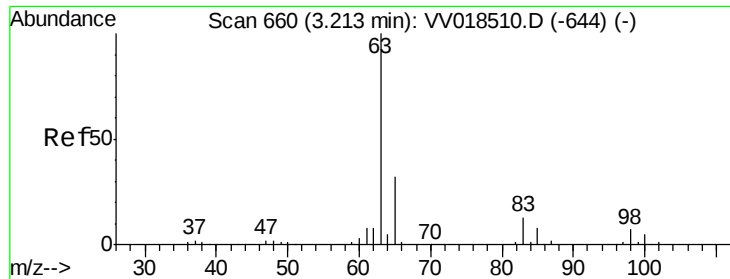
Tot Ion: 96 Resp: 254195
Ion Ratio Lower Upper
96 100
61 135.7 95.0 176.4
98 64.7 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 103.420 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

Tgt Ion: 73 Resp: 793491
Ion Ratio Lower Upper
73 100
43 19.9 15.9 23.9
57 21.7 17.5 26.3

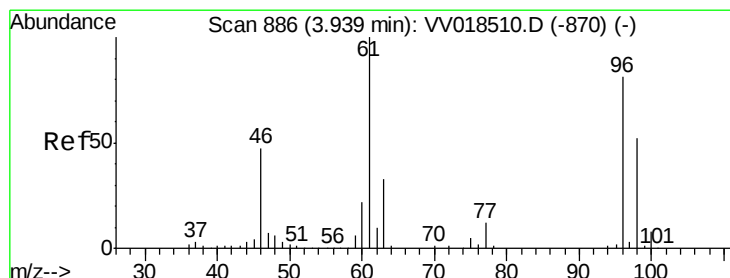
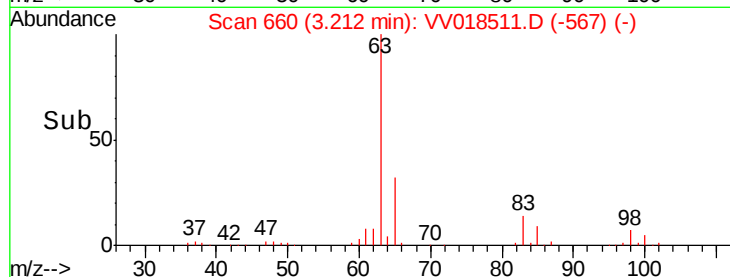
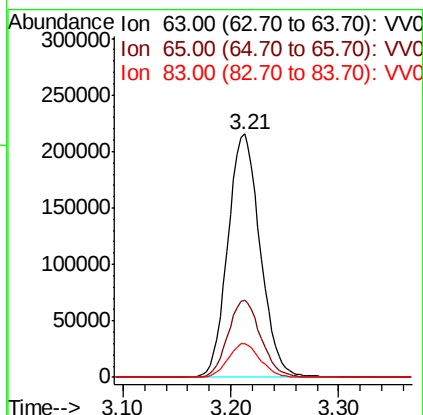
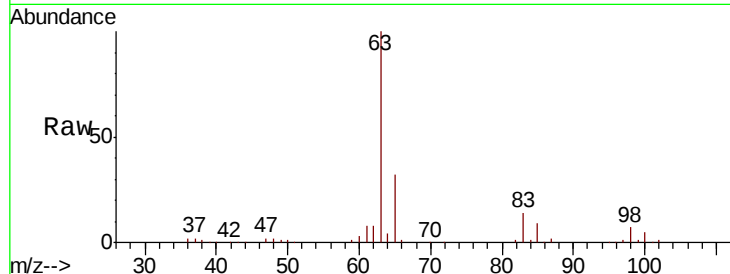




#19
 1,1-Dichloroethane
 Concen: 95.847 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV018511.D
 Acq: 29 Sep 2020 12:38

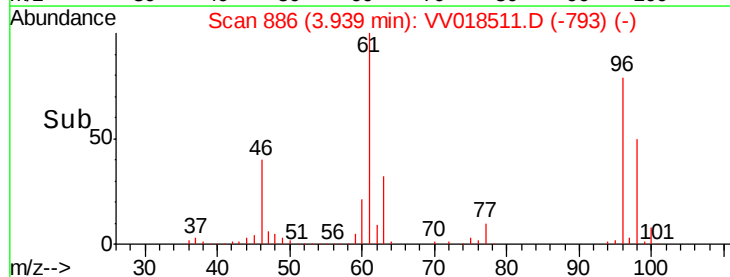
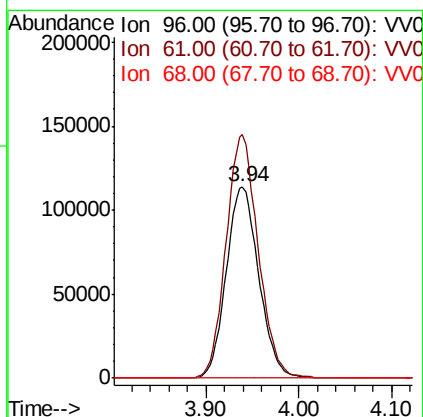
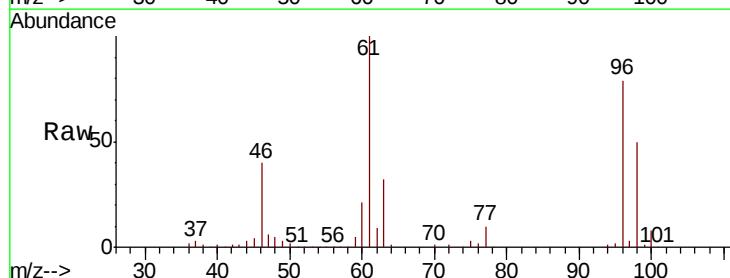
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

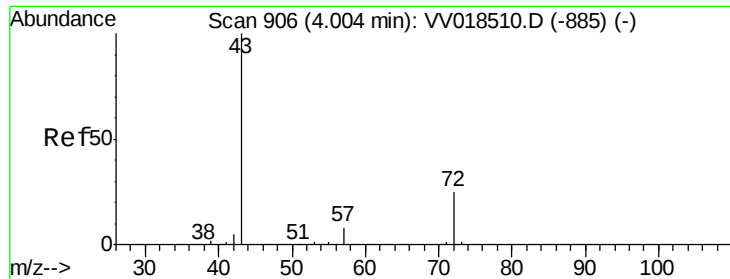
Tot Ion: 63 Resp: 449479
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.3
 83 13.8 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 104.812 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018511.D
 Acq: 29 Sep 2020 12:38

Tgt Ion: 96 Resp: 277899
 Ion Ratio Lower Upper
 96 100
 61 127.1 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 213.007 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.01 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

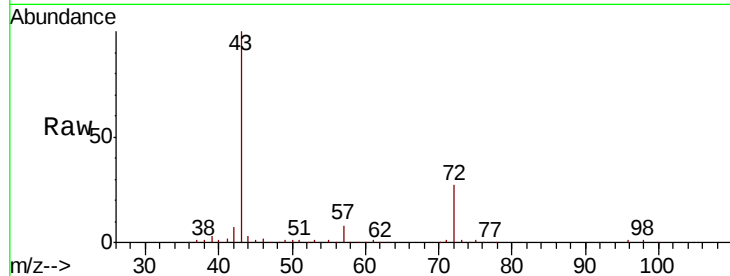
VSTD10062

Tot Ion: 43 Resp: 369292

Ion Ratio Lower Upper

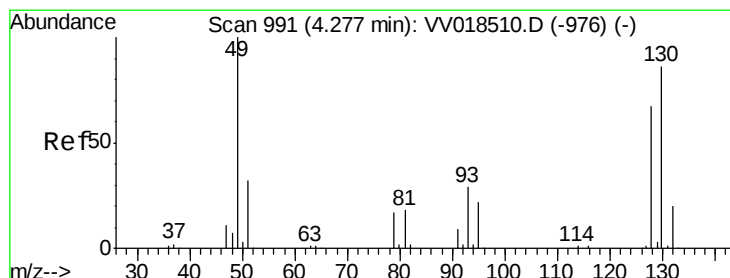
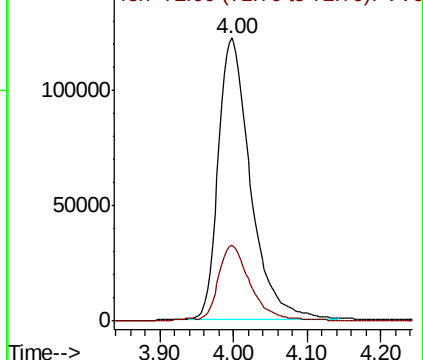
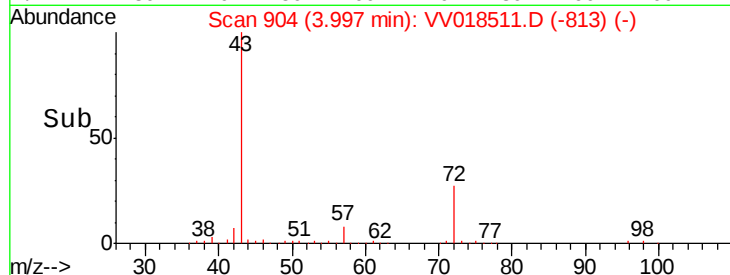
43 100

72 26.2 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018511.D (-813) (-)

Ion 72.00 (71.70 to 72.70): VV018511.D (-813) (-)



#23

Bromochloromethane

Concen: 107.106 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Tgt Ion: 128 Resp: 148581

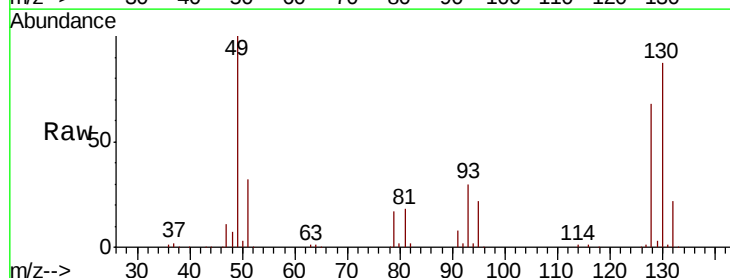
Ion Ratio Lower Upper

128 100

49 147.8 105.1 195.1

130 127.9 90.0 167.2

51 47.3 38.6 57.8

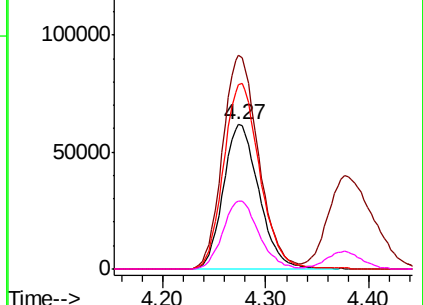
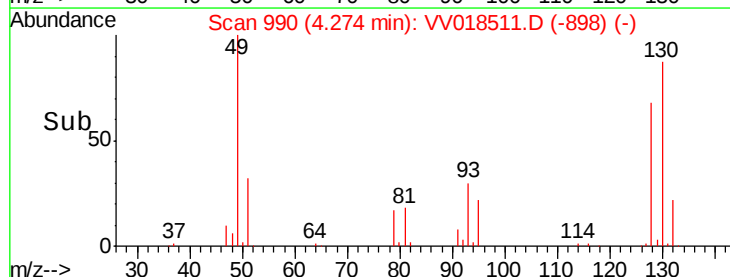


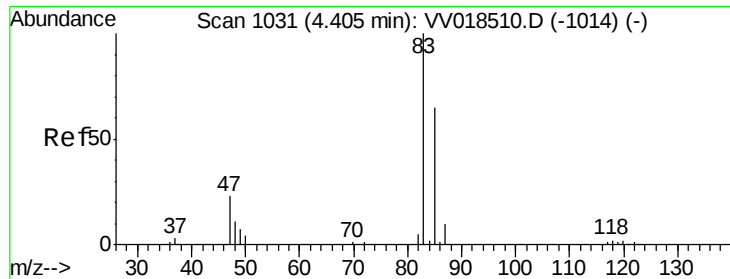
Abundance Ion 128.00 (127.70 to 128.70): VV018511.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV018511.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV018511.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV018511.D (-898) (-)

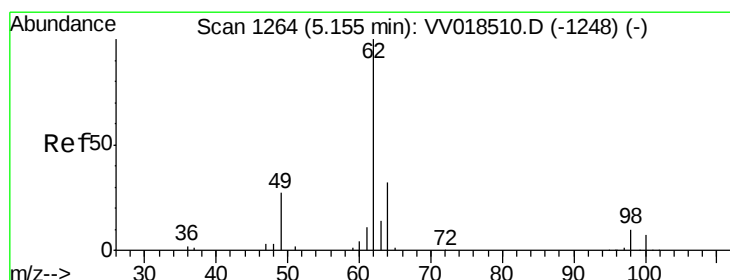
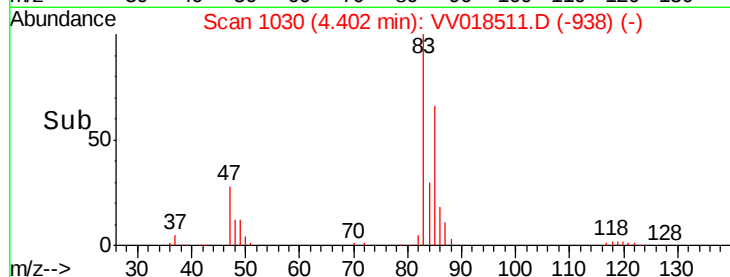
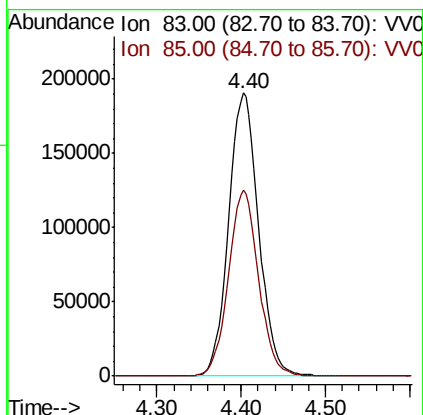
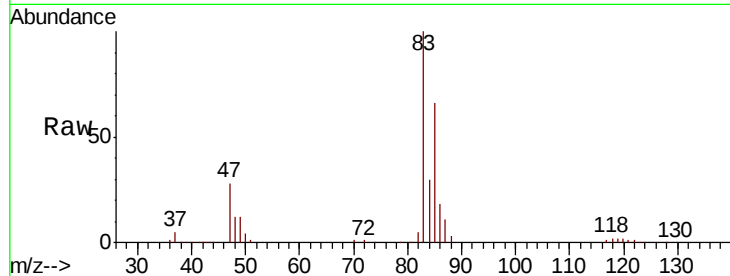




#25
Chloroform
Concen: 98.978 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

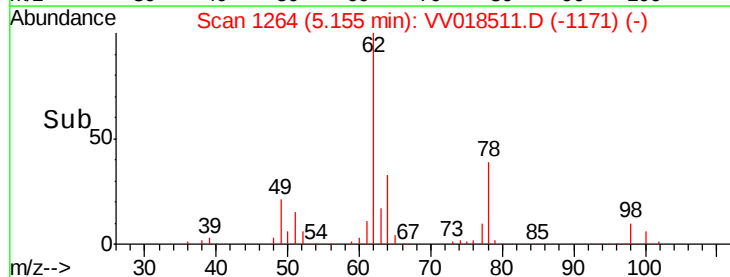
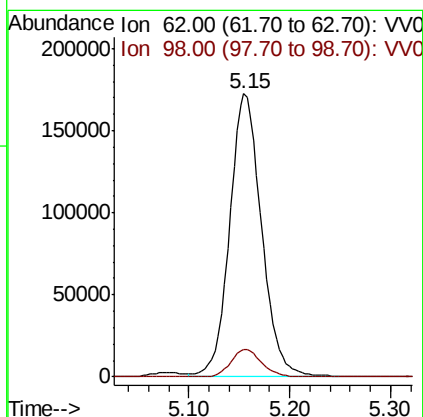
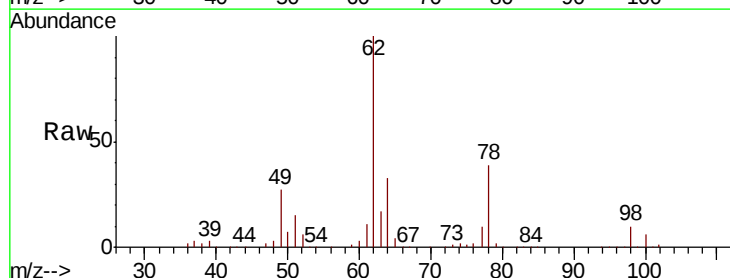
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

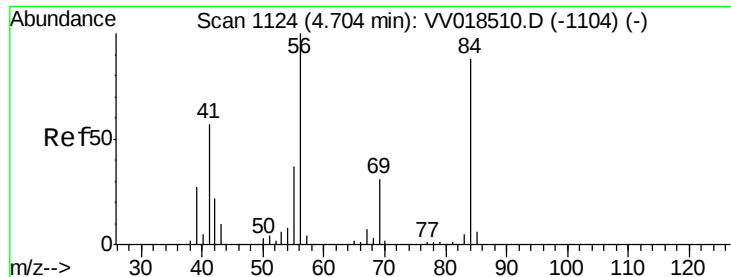
Tot Ion: 83 Resp: 471820
Ion Ratio Lower Upper
83 100
85 65.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 101.716 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

Tgt Ion: 62 Resp: 375363
Ion Ratio Lower Upper
62 100
98 9.7 7.7 11.5

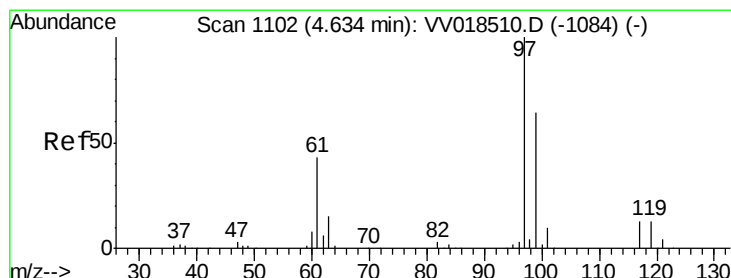
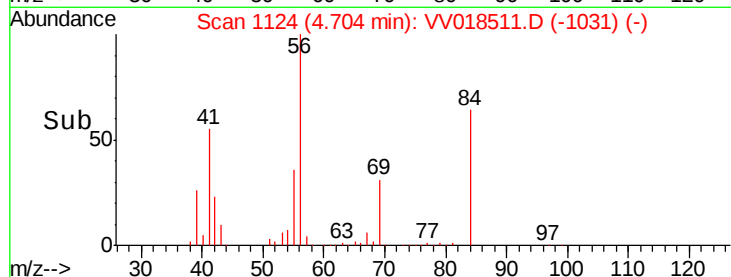
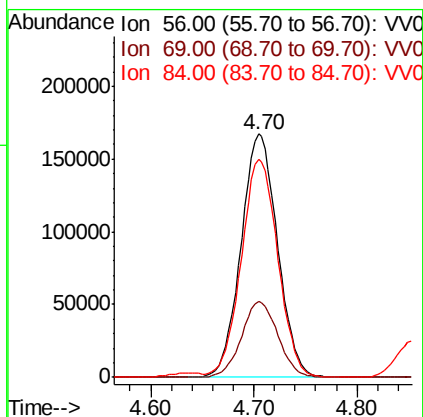
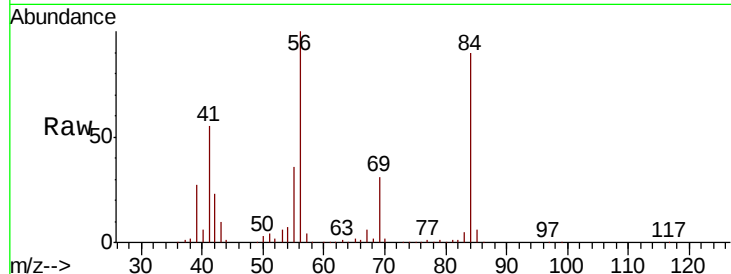




#29
Cvclohexane
Concen: 100.077 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

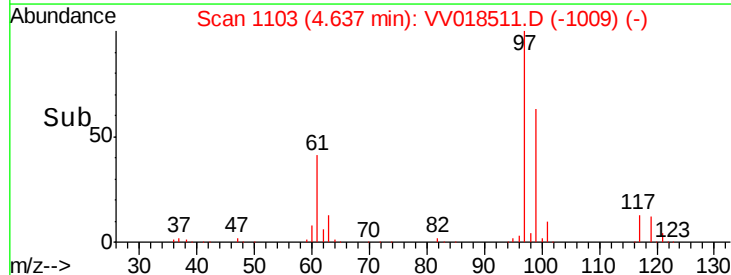
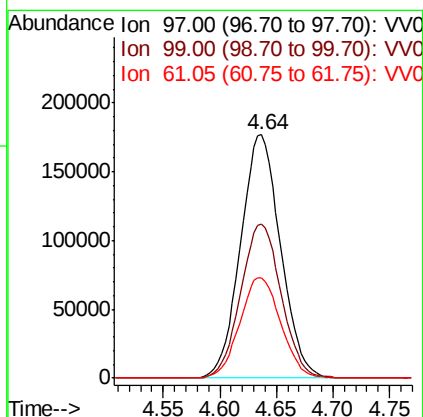
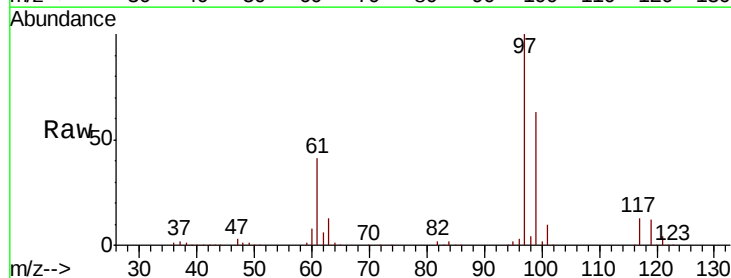
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

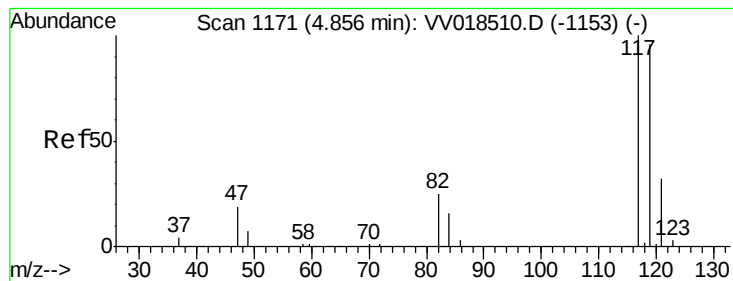
Tot Ion: 56 Resp: 410561
Ion Ratio Lower Upper
56 100
69 31.0 24.8 37.2
84 90.0 72.2 108.4



#30
1,1,1-Trichloroethane
Concen: 105.382 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

Tgt Ion: 97 Resp: 434494
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 42.3 33.9 50.9





#31

Carbon tetrachloride

Concen: 108.025 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

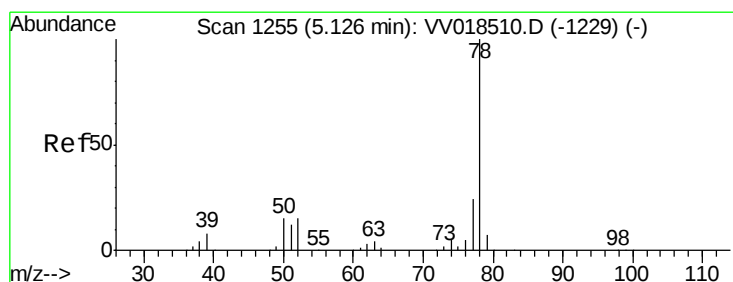
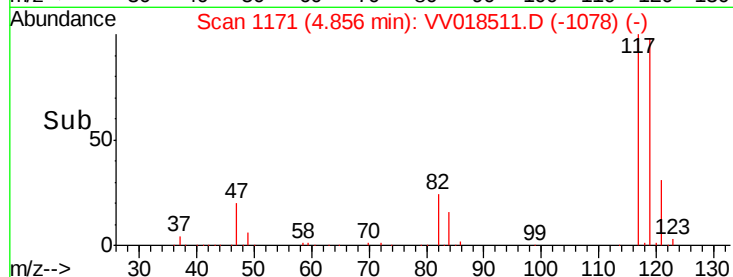
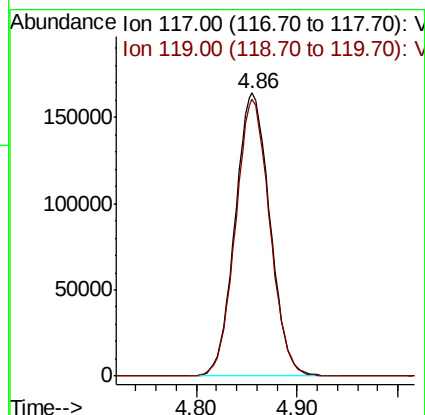
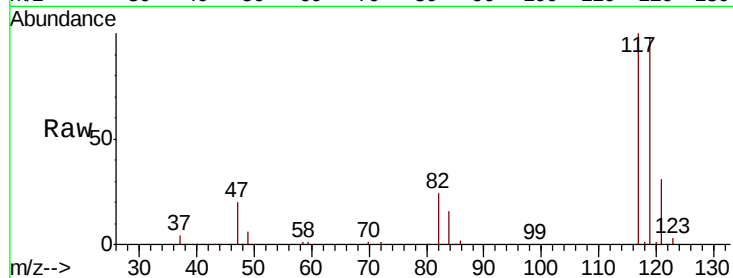
VSTD10062

Tot Ion:117 Resp: 391636

Ion Ratio Lower Upper

117 100

119 96.6 77.0 115.6



#33

Benzene

Concen: 101.298 ug/L

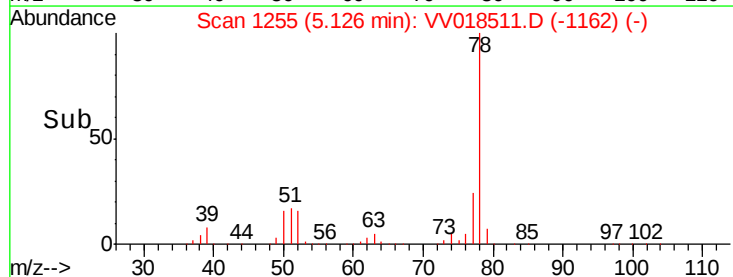
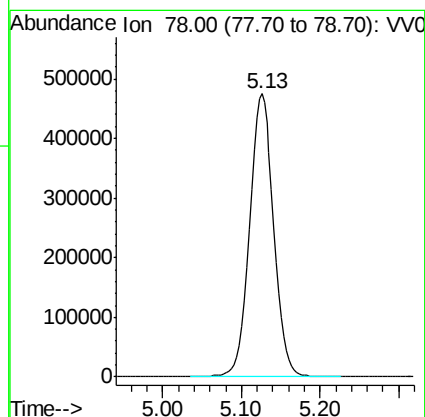
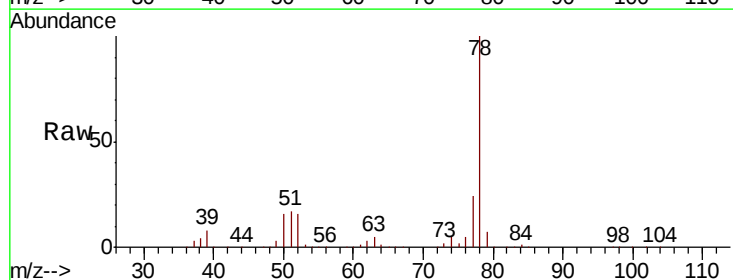
RT: 5.13 min Scan# 1255

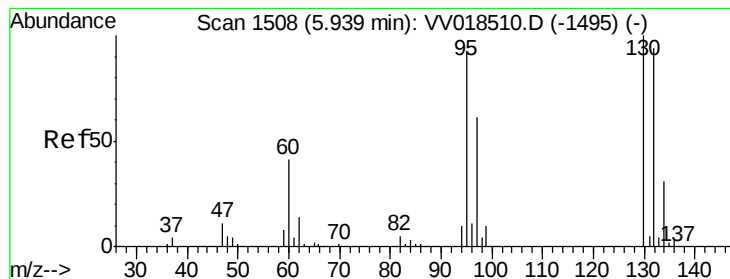
Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Tgt Ion: 78 Resp: 1028949





#34

Trichloroethene

Concen: 103.302 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

Tot Ion: 95 Resp: 285841

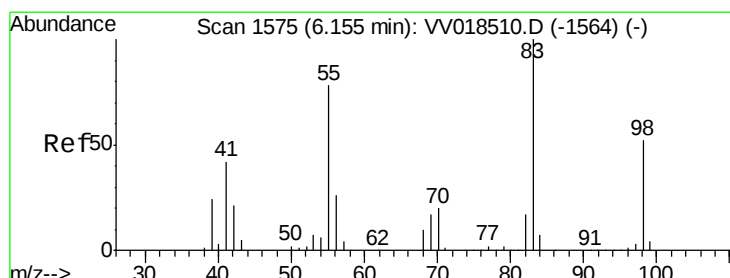
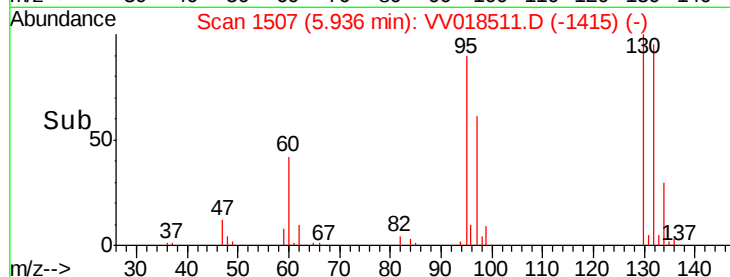
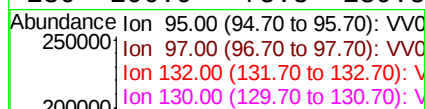
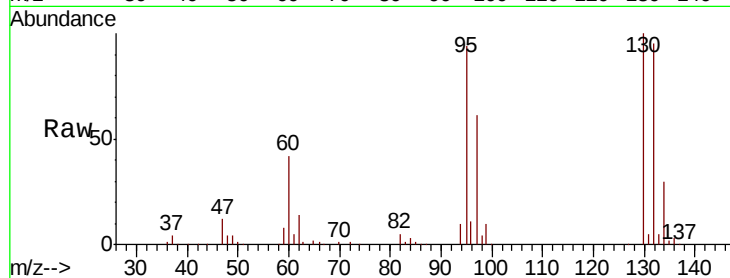
Ion Ratio Lower Upper

95 100

97 65.2 45.9 85.3

132 101.6 70.8 131.4

130 106.9 75.3 139.8



#35

Methylcyclohexane

Concen: 99.337 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

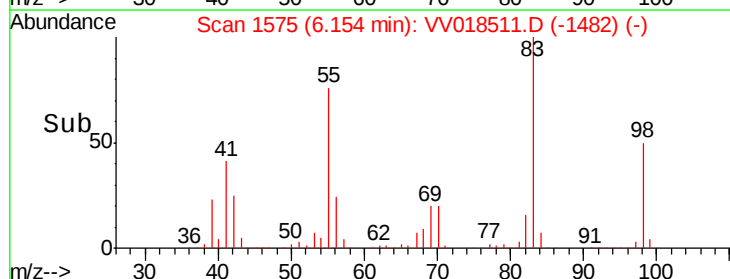
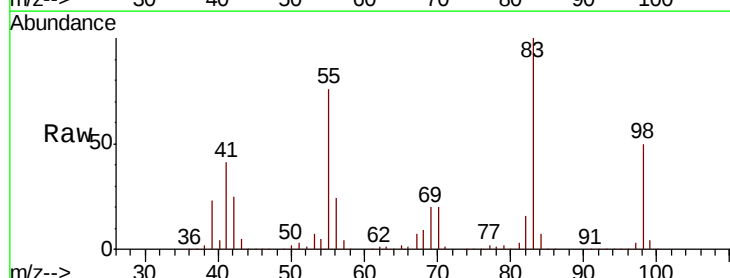
Tgt Ion: 83 Resp: 413862

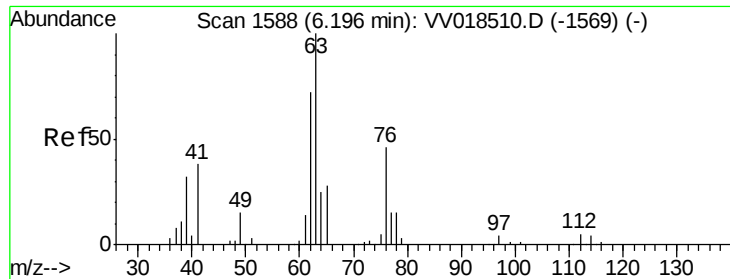
Ion Ratio Lower Upper

83 100

55 75.2 60.1 90.1

98 50.0 40.2 60.4

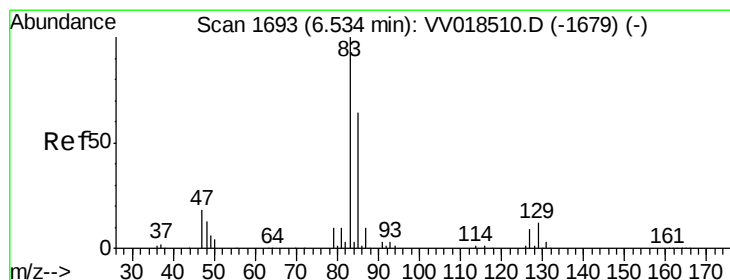
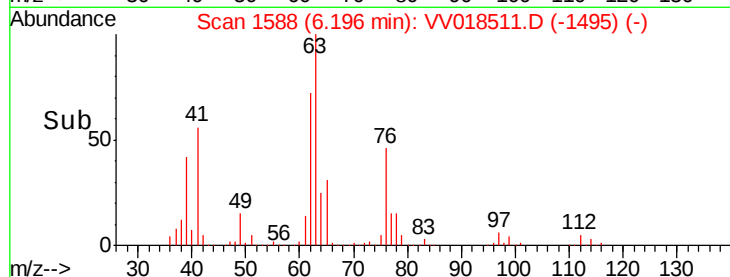
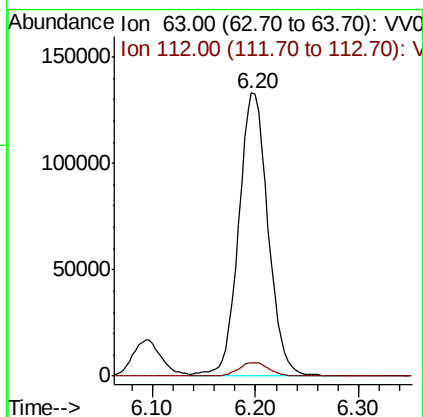
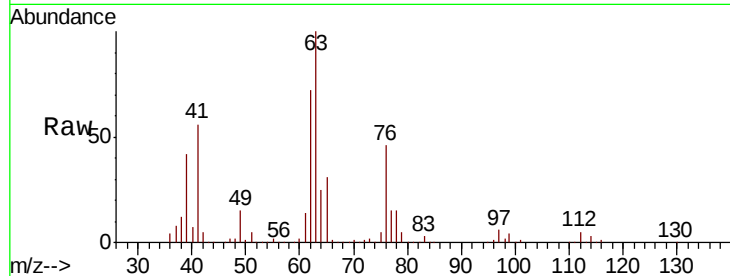




#37
 1,2-Dichloropropane
 Concen: 97.767 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018511.D
 Acq: 29 Sep 2020 12:38

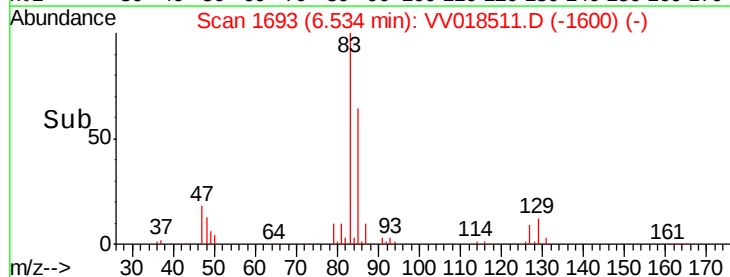
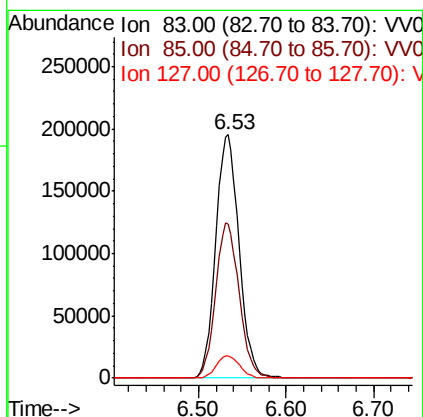
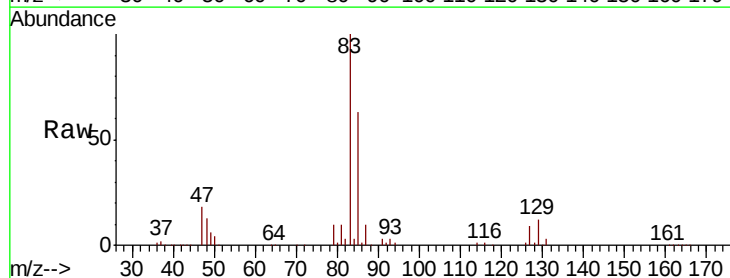
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

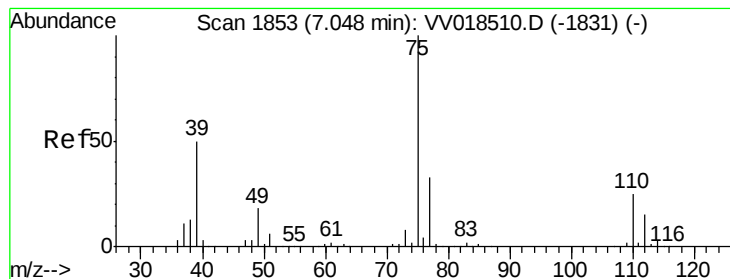
Tot Ion: 63 Resp: 263154
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 103.411 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV018511.D
 Acq: 29 Sep 2020 12:38

Tgt Ion: 83 Resp: 362223
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.5 82.7
 127 9.3 7.2 10.8



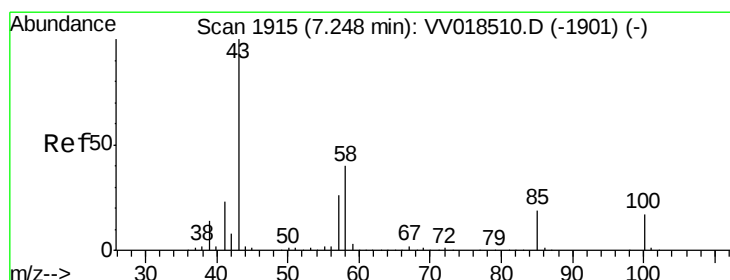
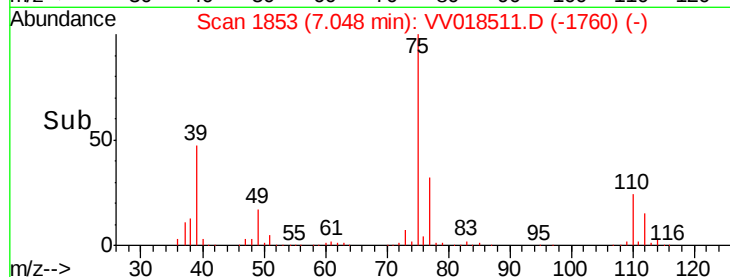
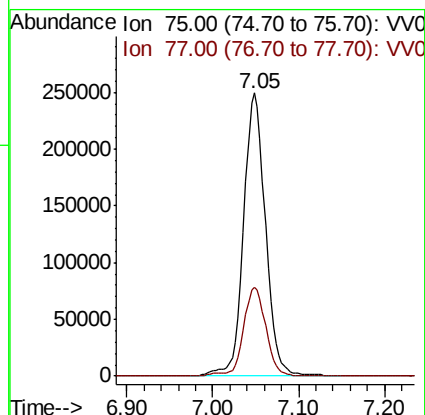
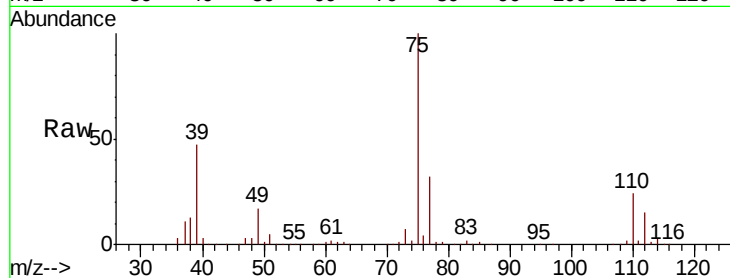


#39

cis-1,3-Dichloropropene
Concen: 106.870 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

Instrument :
MSVOA_V
ClientSampled :
VSTD10062

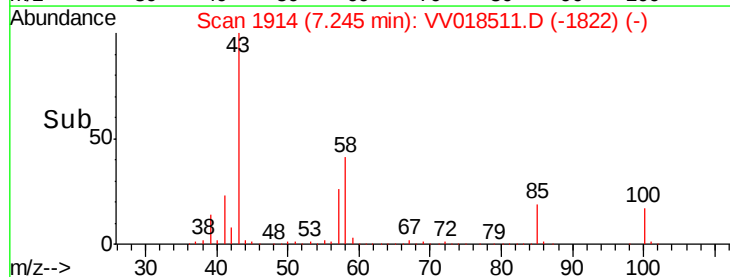
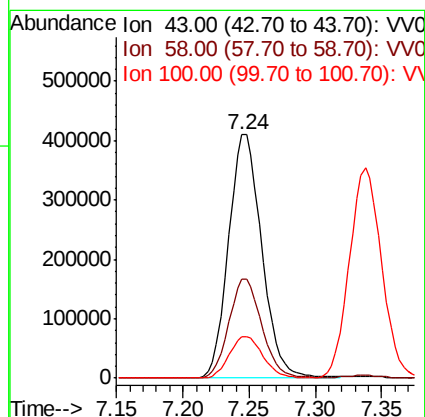
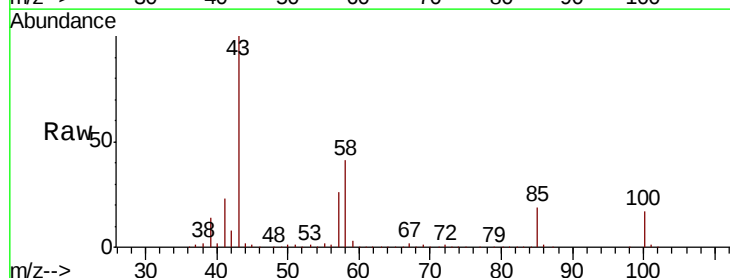
Tot Ion: 75 Resp: 443211
Ion Ratio Lower Upper
75 100
77 31.6 23.0 42.6

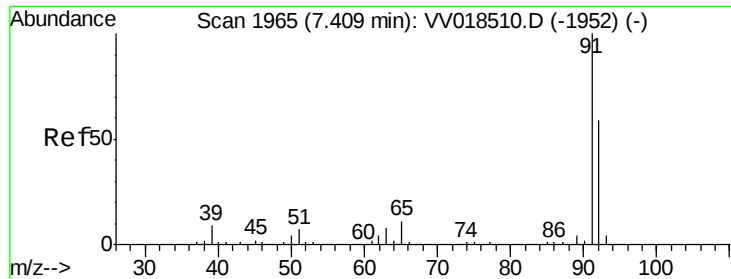


#40

4-Methyl-2-pentanone
Concen: 218.708 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

Tgt Ion: 43 Resp: 714172
Ion Ratio Lower Upper
43 100
58 40.4 31.8 47.6
100 17.2 13.4 20.0





#42

Toluene

Concen: 105.233 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

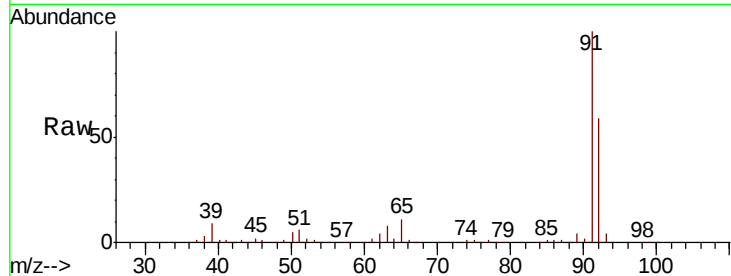
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

Tot Ion: 91 Resp: 1131201

Ion Ratio Lower Upper

91 100

92 59.4 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

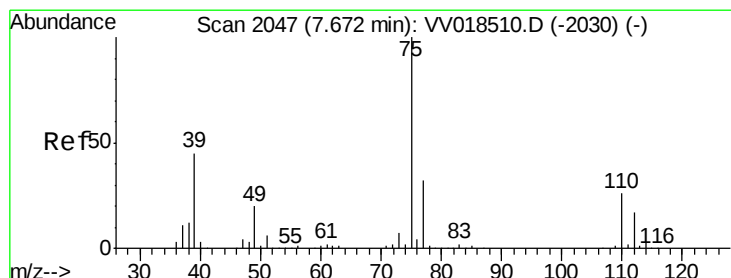
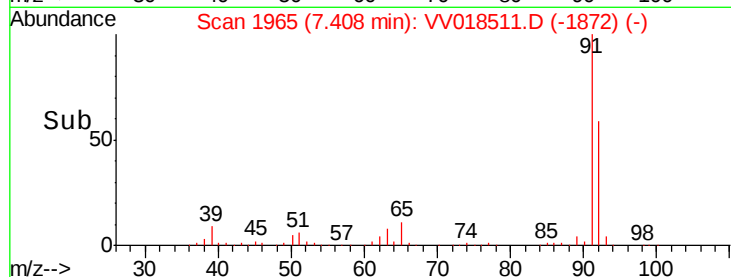
600000

400000

200000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 107.624 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018511.D

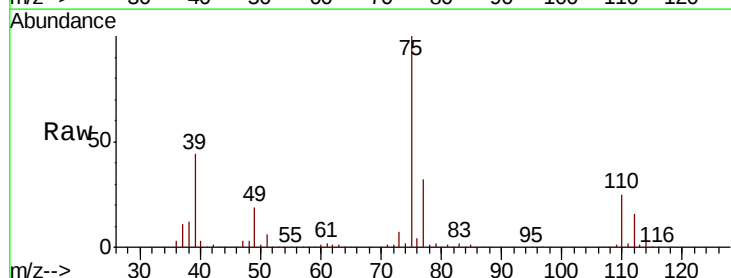
Acq: 29 Sep 2020 12:38

Tgt Ion: 75 Resp: 434579

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

300000

250000

200000

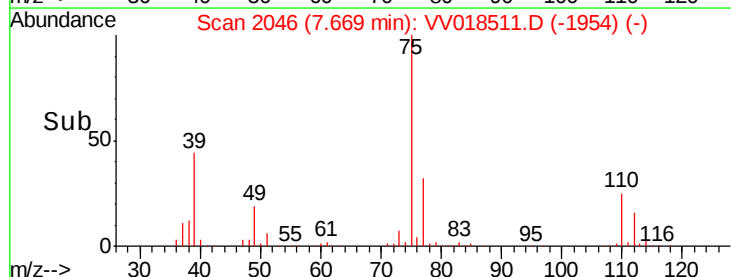
150000

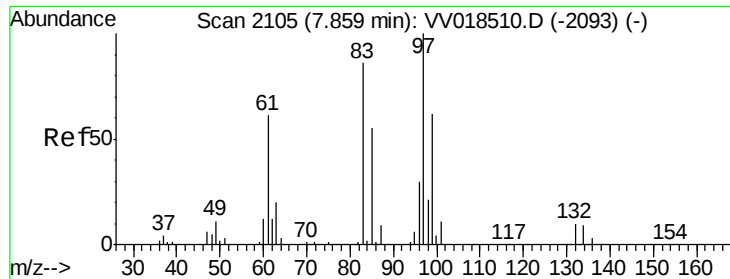
100000

50000

0

Time--> 7.60 7.70 7.80

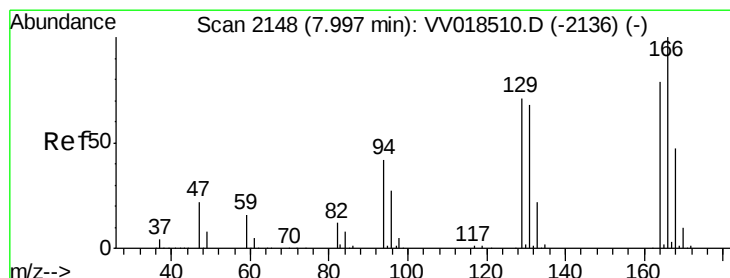
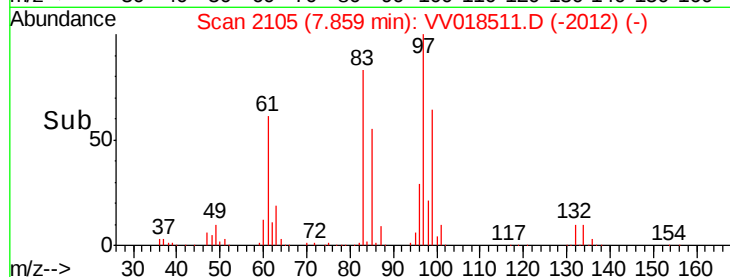
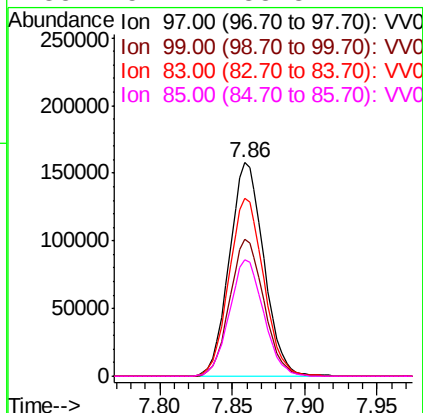
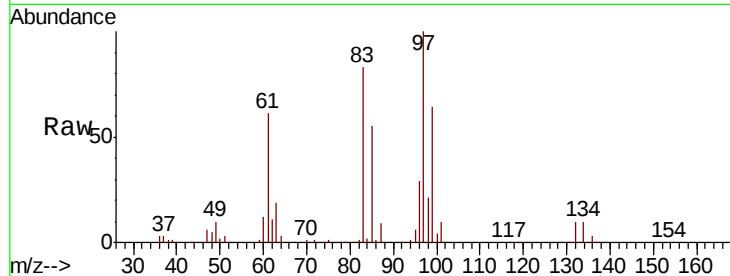




#45
 1,1,2-Trichloroethane
 Concen: 104.388 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018511.D
 Acq: 29 Sep 2020 12:38

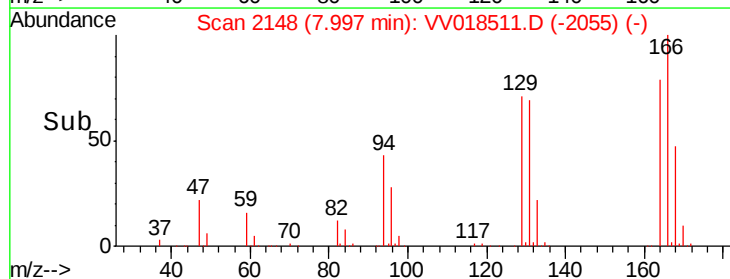
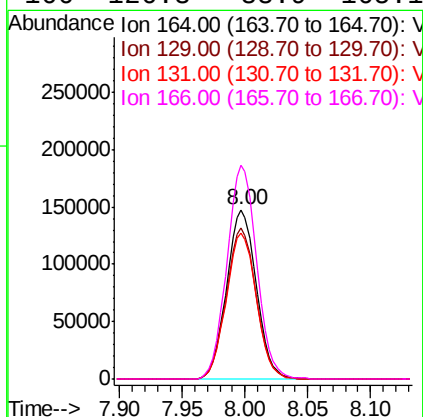
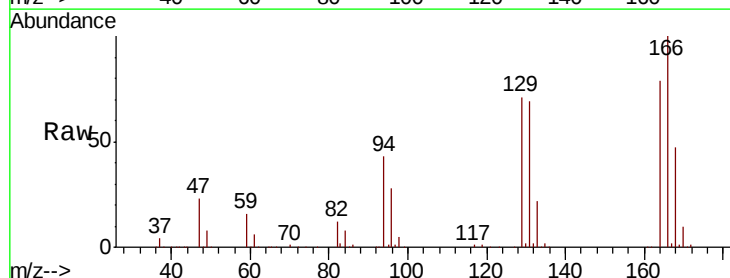
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

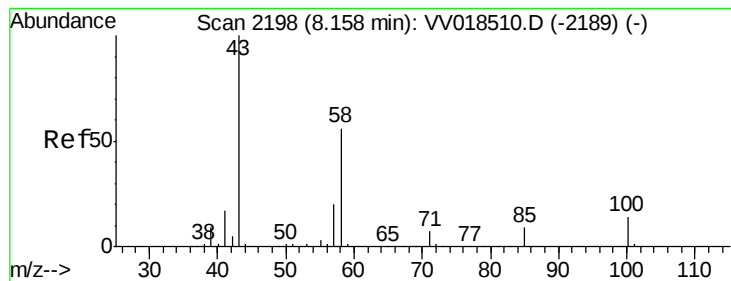
Tot Ion:	97	Resp:	260429
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.3	80.3
83	83.3	60.5	112.5
85	54.7	38.3	71.1



#46
 Tetrachloroethene
 Concen: 111.736 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018511.D
 Acq: 29 Sep 2020 12:38

Tgt Ion:	164	Resp:	242421
Ion	Ratio	Lower	Upper
164	100		
129	89.3	62.8	116.6
131	86.6	60.8	112.8
166	126.3	88.9	165.1





#48

2-Hexanone

Concen: 217.458 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

Tot Ion: 43 Resp: 559821

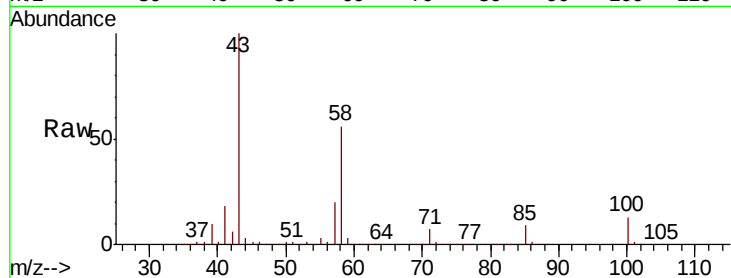
Ion Ratio Lower Upper

43 100

58 56.3 45.1 67.7

57 19.8 15.7 23.5

100 13.6 11.0 16.4

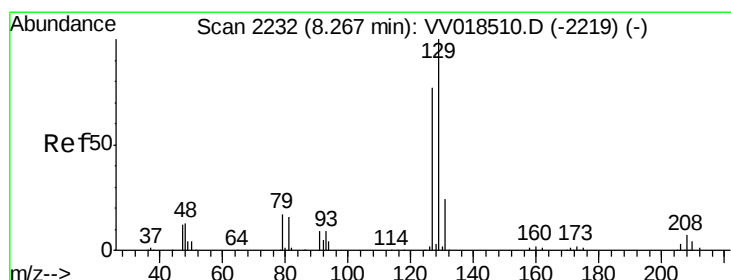
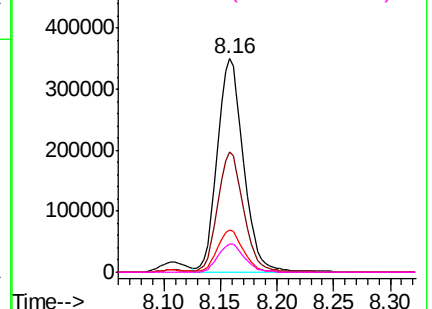
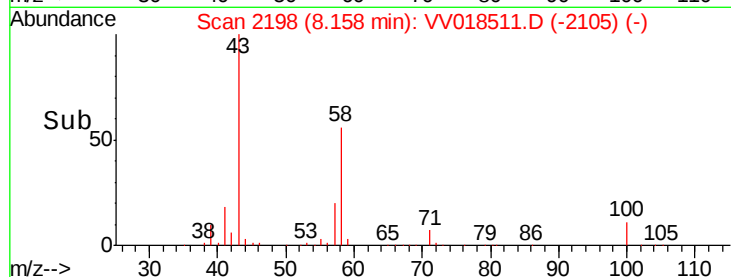


Abundance Ion 43.00 (42.70 to 43.70): VV018511.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV018511.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV018511.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV018511.D (-2105) (-)



#49

Dibromochloromethane

Concen: 111.075 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV018511.D

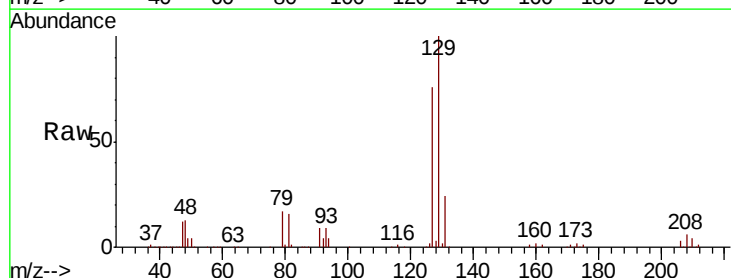
Acq: 29 Sep 2020 12:38

Tgt Ion: 129 Resp: 311053

Ion Ratio Lower Upper

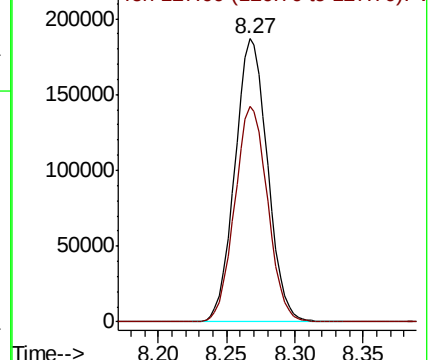
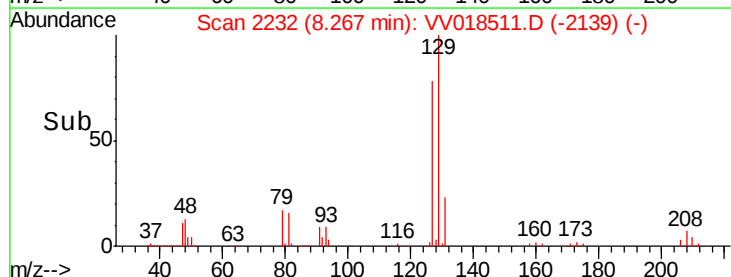
129 100

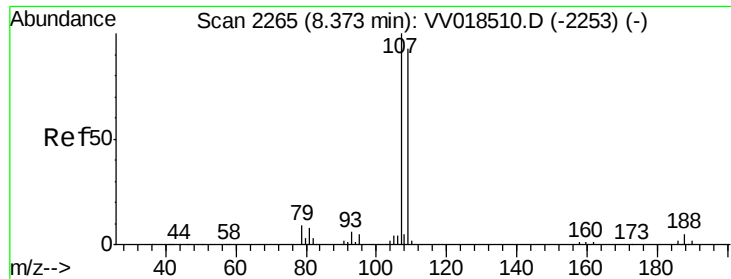
127 76.4 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VV018511.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV018511.D (-2139) (-)

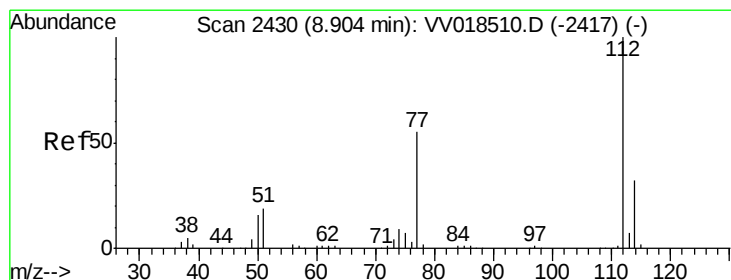
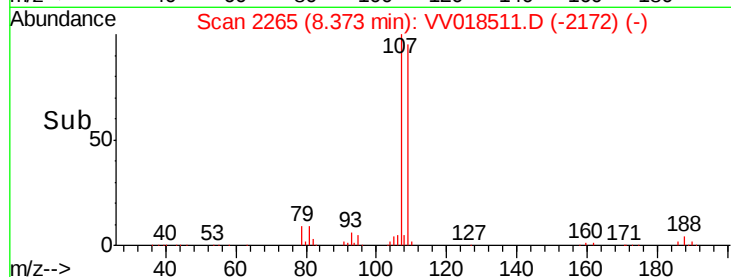
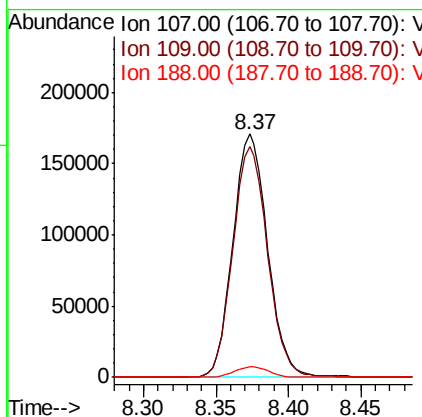
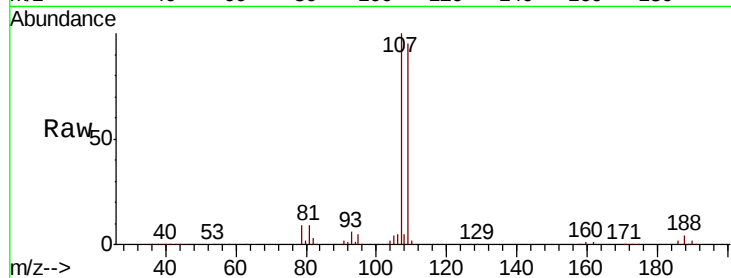




#50
1,2-Dibromoethane
Concen: 108.093 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

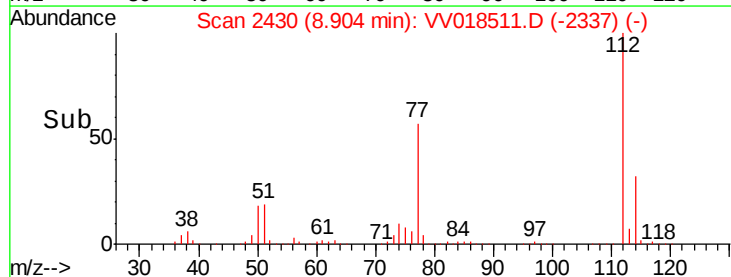
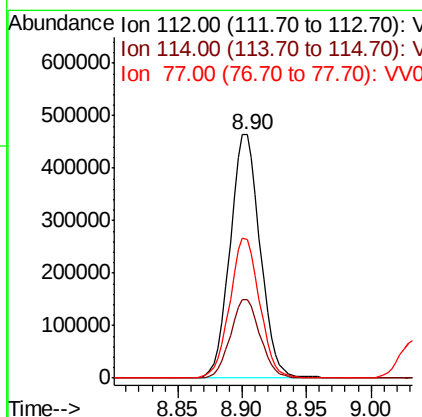
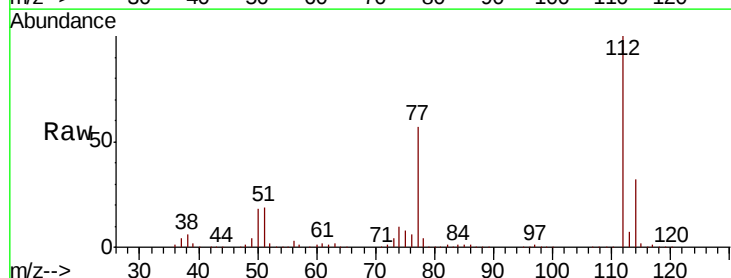
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

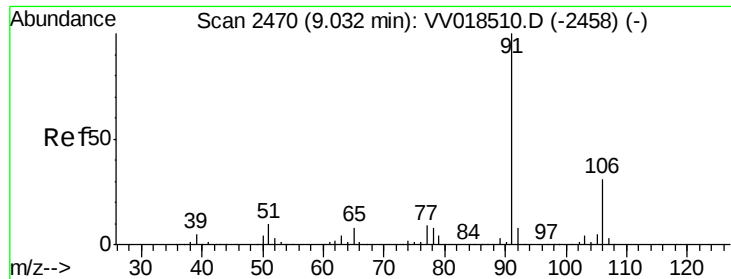
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	65.1	120.9
188	4.4	3.7	5.5



#51
Chlorobenzene
Concen: 107.521 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.4	41.6
77	56.7	44.8	67.2





#52

Ethylbenzene

Concen: 109.302 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

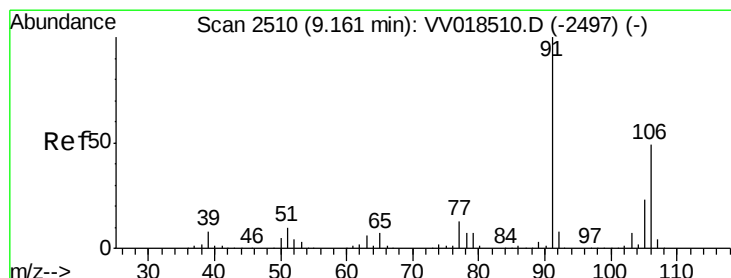
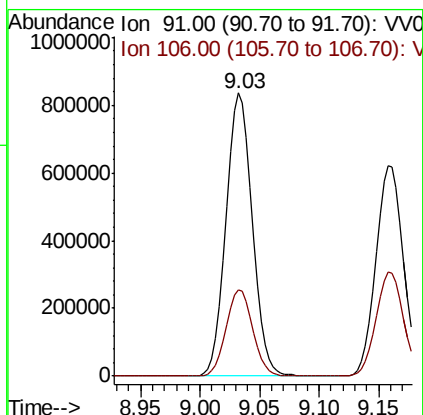
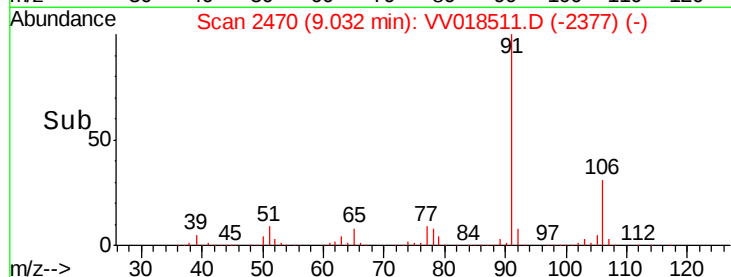
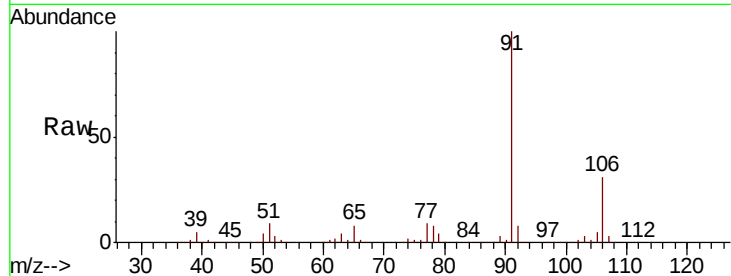
VSTD10062

Tot Ion: 91 Resp: 1282753

Ion Ratio Lower Upper

91 100

106 30.7 21.9 40.7



#53

m,p-Xylene

Concen: 112.068 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018511.D

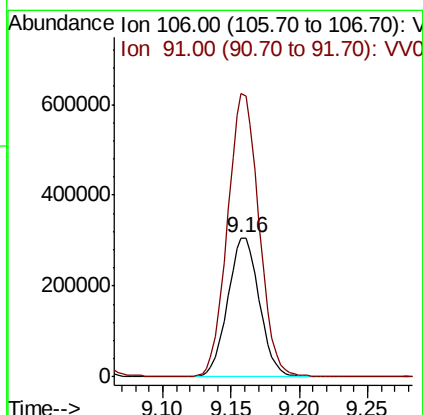
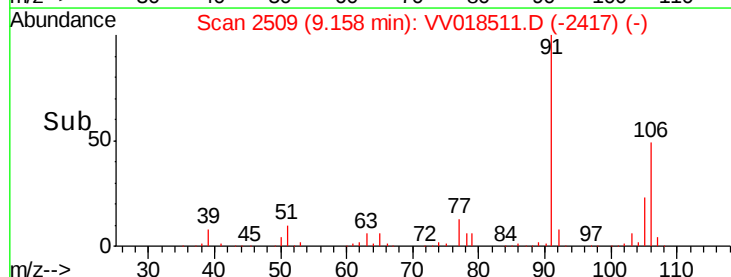
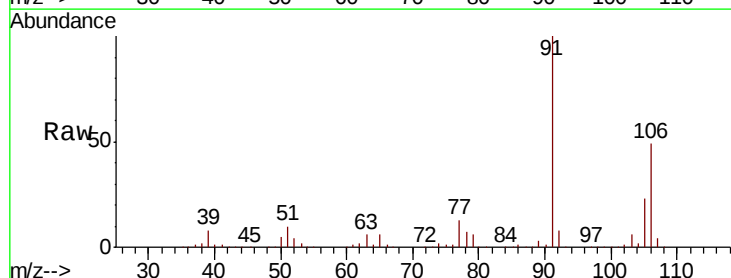
Acq: 29 Sep 2020 12:38

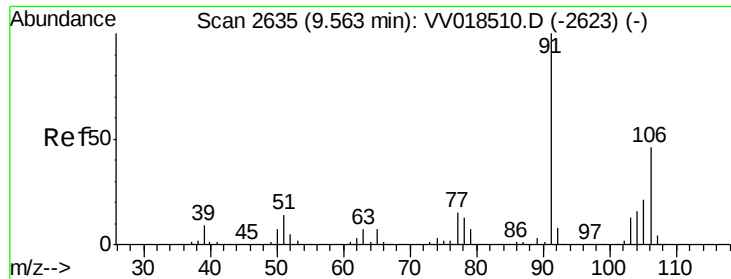
Tgt Ion: 106 Resp: 490907

Ion Ratio Lower Upper

106 100

91 203.4 142.3 264.3

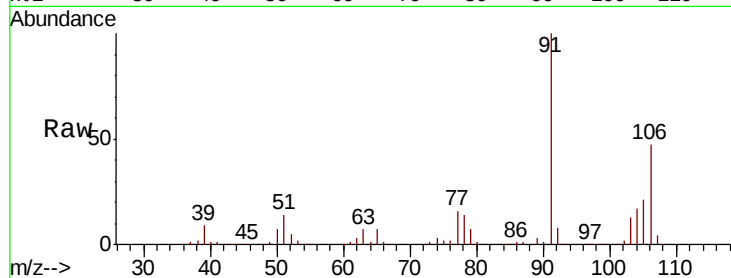




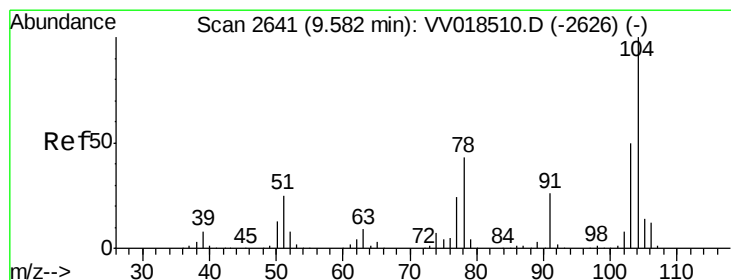
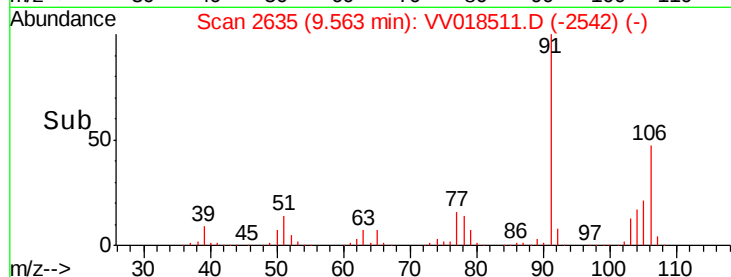
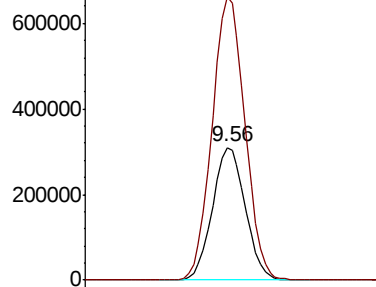
#54
o-xylene
Concen: 111.991 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

Tot Ion:106 Resp: 472612
Ion Ratio Lower Upper
106 100
91 213.3 151.0 280.4

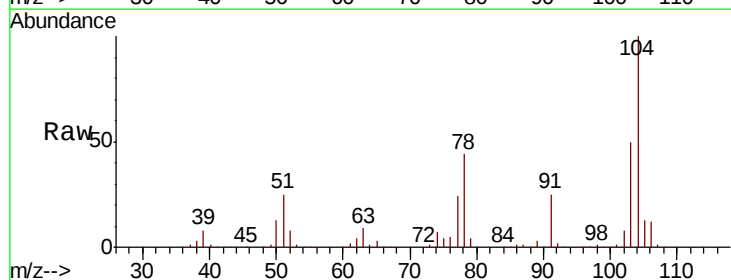


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

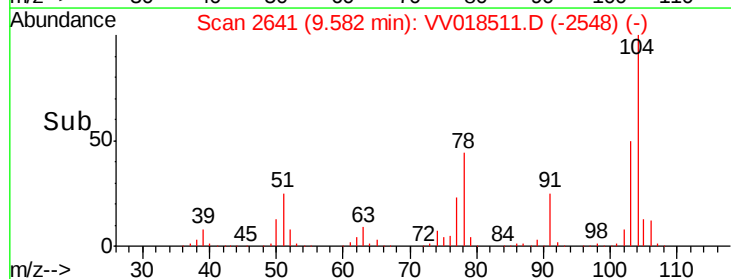
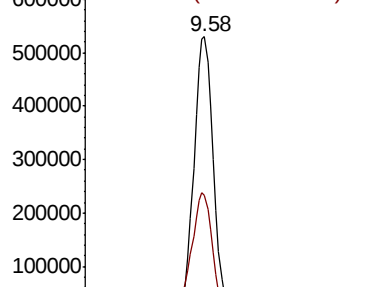


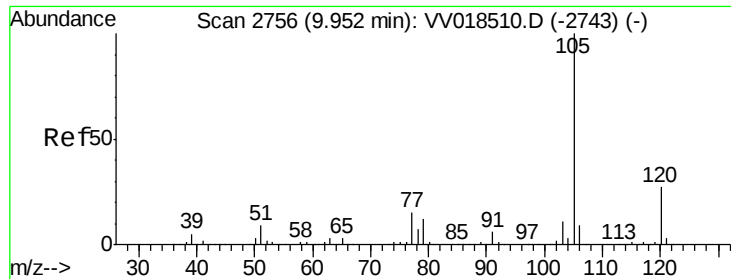
#55
Styrene
Concen: 114.598 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV018511.D
Acq: 29 Sep 2020 12:38

Tgt Ion:104 Resp: 840573
Ion Ratio Lower Upper
104 100
78 43.8 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 111.270 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampled :

VSTD10062

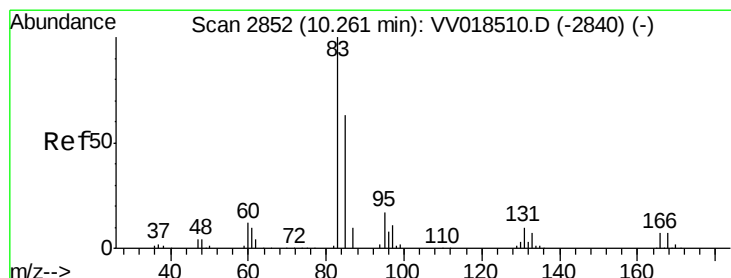
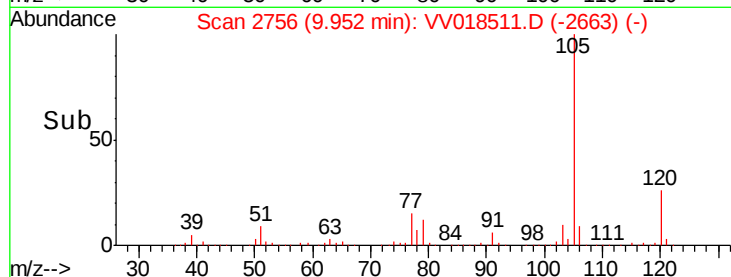
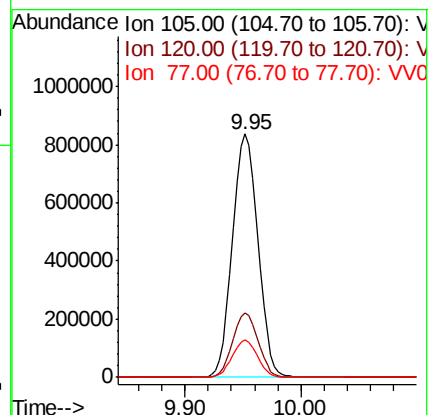
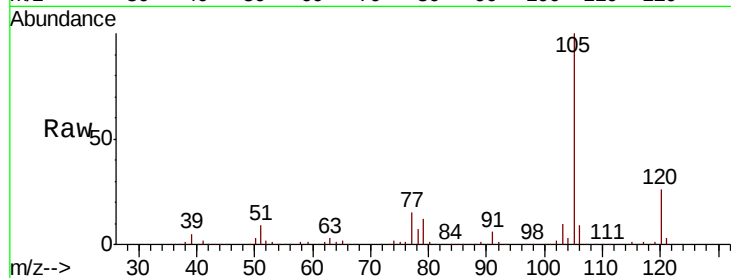
Tot Ion:105 Resp: 1265520

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

77 15.2 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 104.776 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

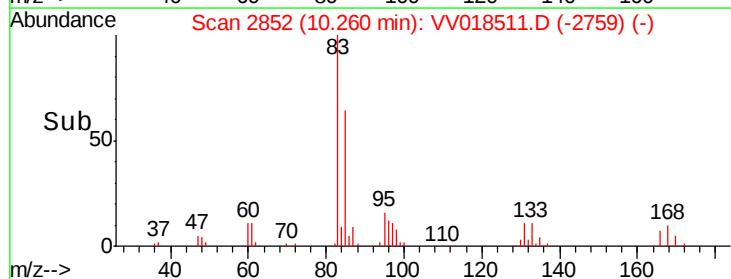
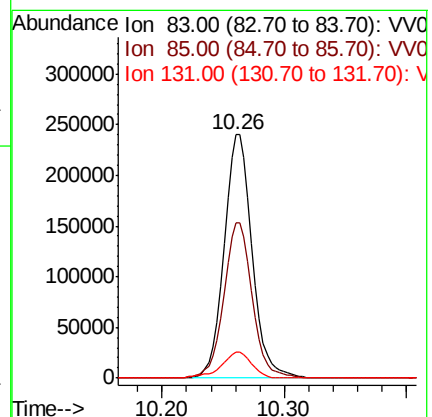
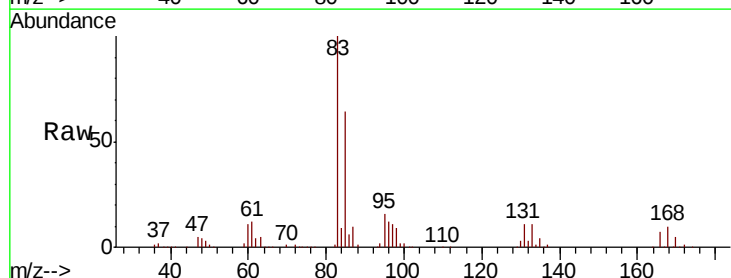
Tgt Ion: 83 Resp: 386667

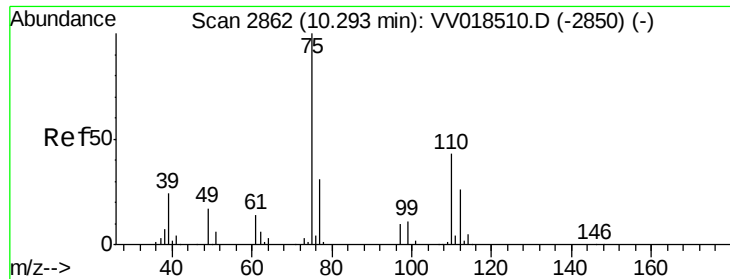
Ion Ratio Lower Upper

83 100

85 63.8 44.5 82.7

131 10.6 8.6 12.8





#59

1,2,3-Trichloropropane

Concen: 102.992 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

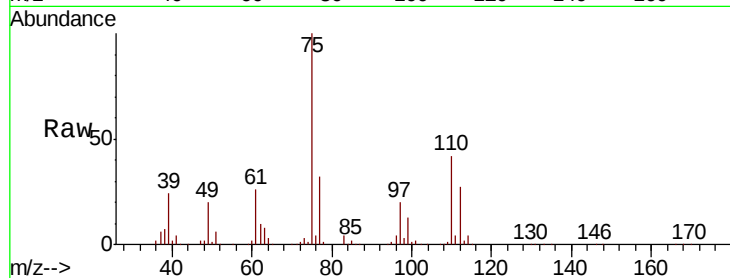
VSTD10062

Tot Ion: 75 Resp: 326058

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



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

Ion 77.00 (76.70 to 77.70): VV018511.D (-2240) (-)

10.30

250000

200000

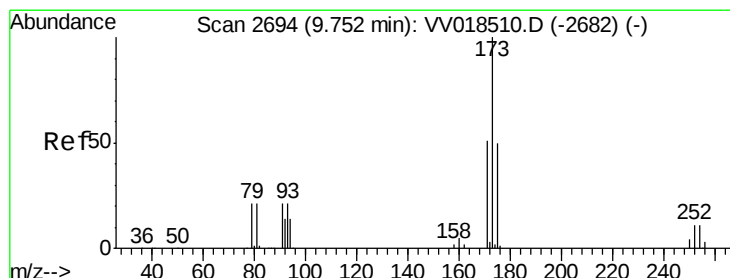
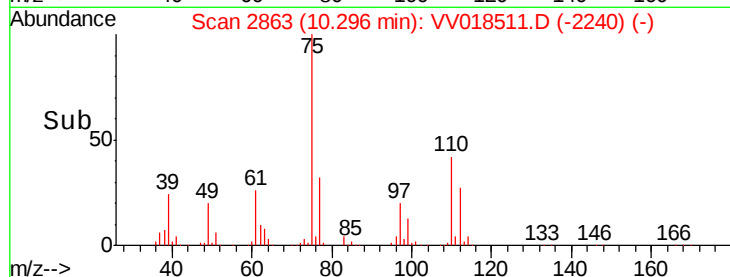
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 111.500 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

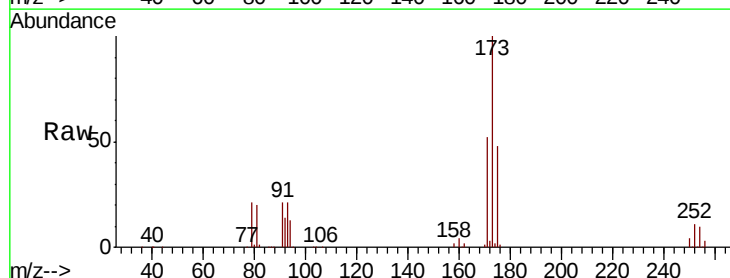
Tgt Ion: 173 Resp: 239059

Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.8

254 10.2 8.5 12.7



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

Ion 175.00 (174.70 to 175.70): VV018511.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV018511.D (-2601) (-)

9.75

200000

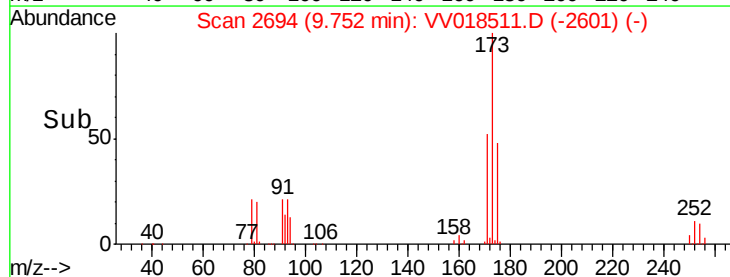
150000

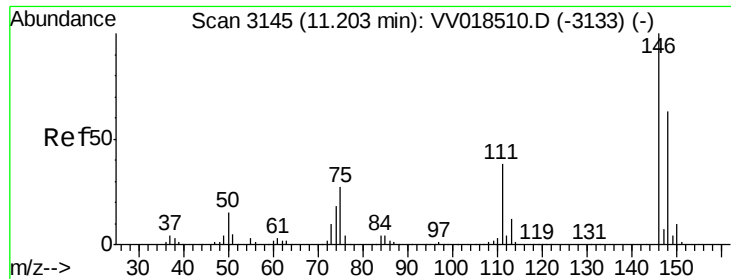
100000

50000

0

Time--> 9.70 9.80





#62

1,3-Dichlorobenzene

Concen: 107.804 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

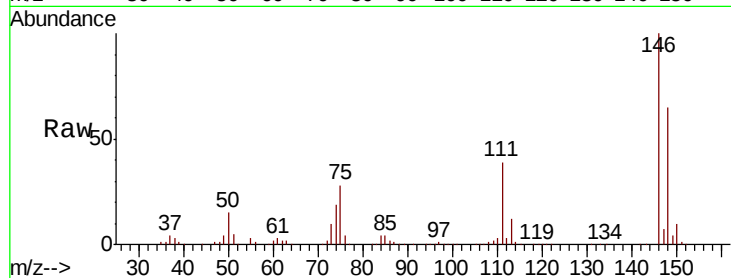
Tot Ion:146 Resp: 639769

Ion Ratio Lower Upper

146 100

111 38.7 26.8 49.8

148 64.6 44.0 81.8

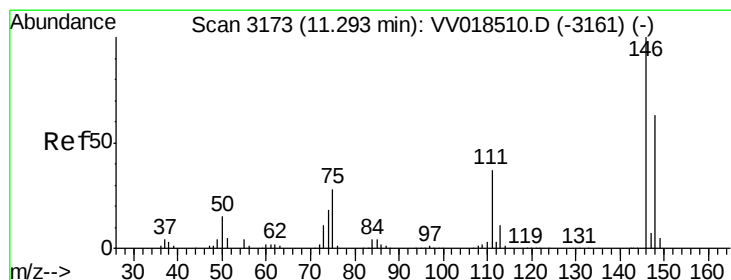
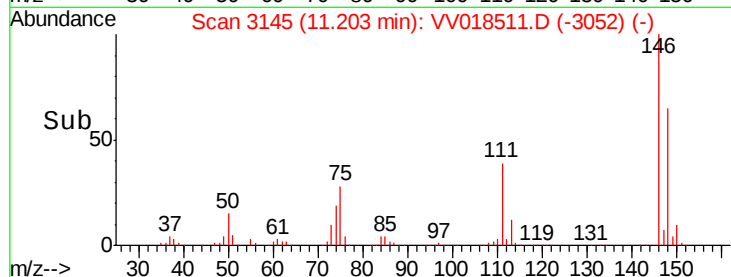
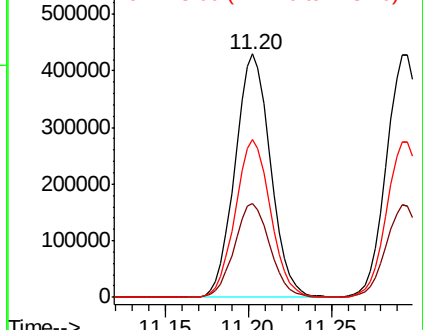


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 106.930 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

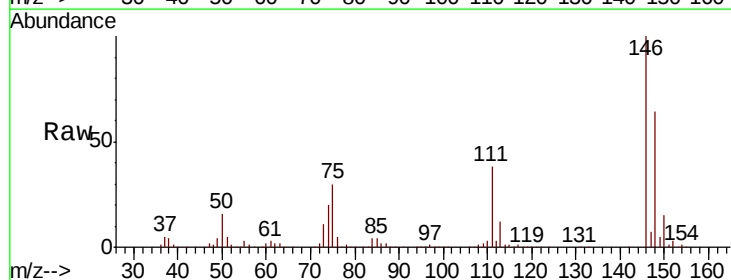
Tgt Ion:146 Resp: 652267

Ion Ratio Lower Upper

146 100

111 38.1 26.2 48.6

148 64.2 44.4 82.5

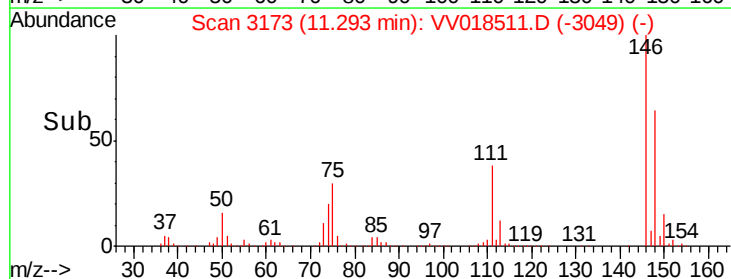
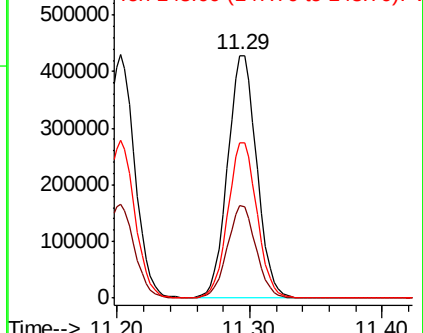


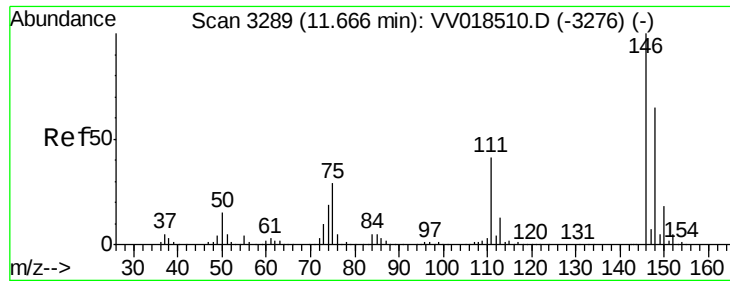
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 105.619 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

MSVOA_V

ClientSampled :

VSTD10062

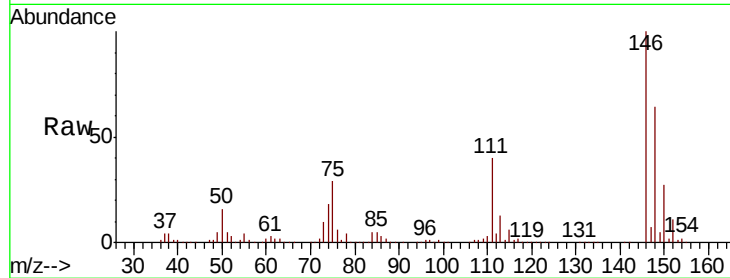
Tot Ion:146 Resp: 633558

Ion Ratio Lower Upper

146 100

111 40.4 32.8 49.2

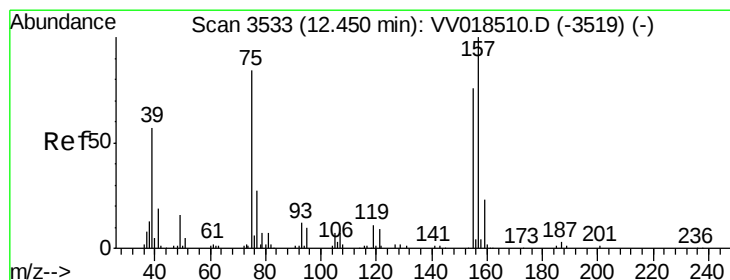
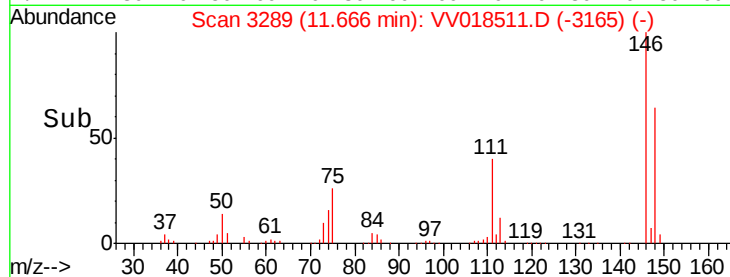
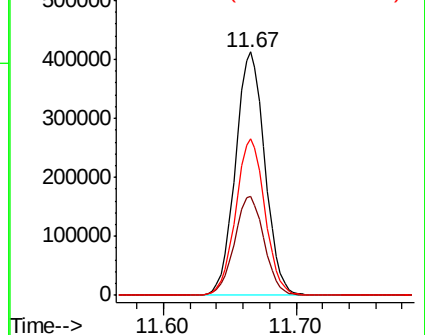
148 64.4 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 109.679 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

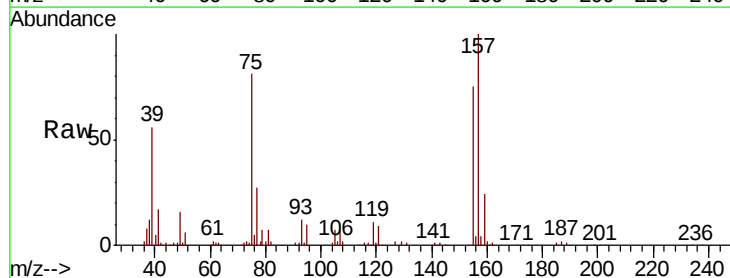
Tgt Ion: 75 Resp: 92841

Ion Ratio Lower Upper

75 100

155 91.8 73.0 109.6

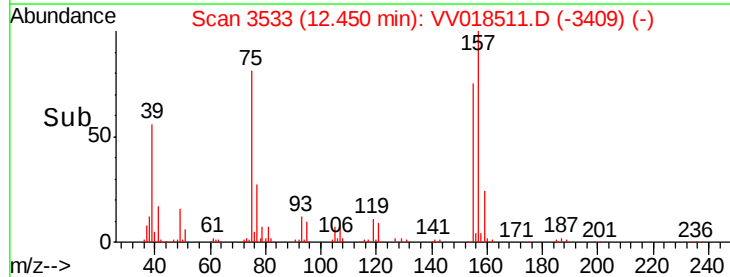
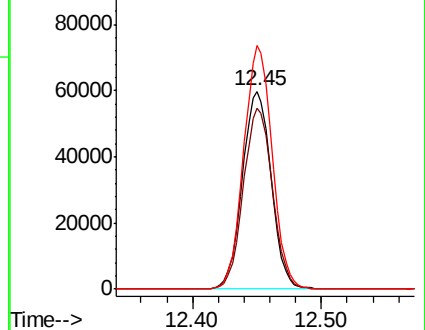
157 123.1 95.8 143.6

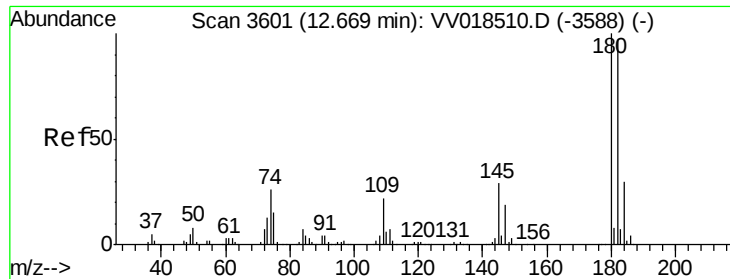


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

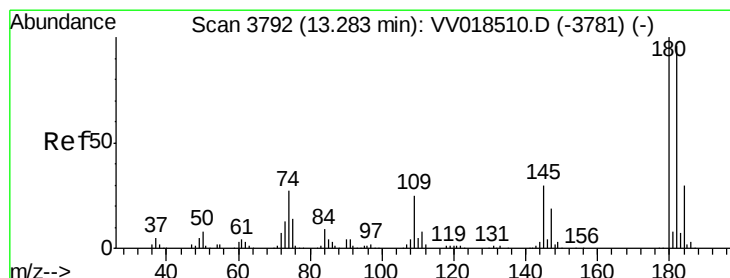
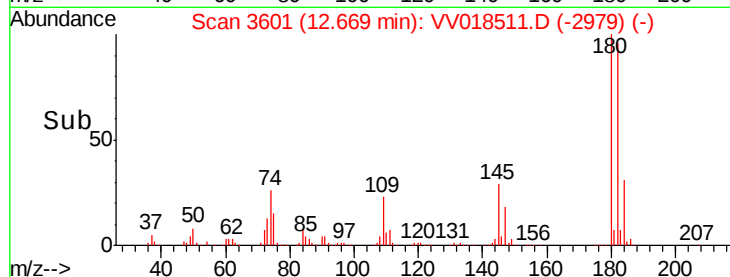
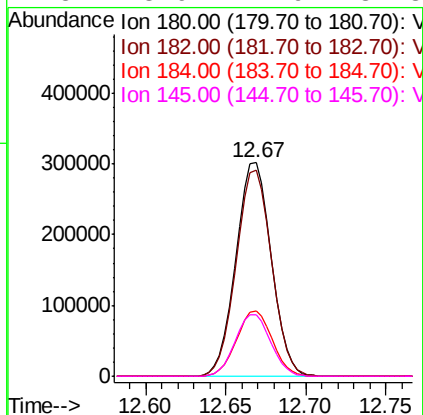
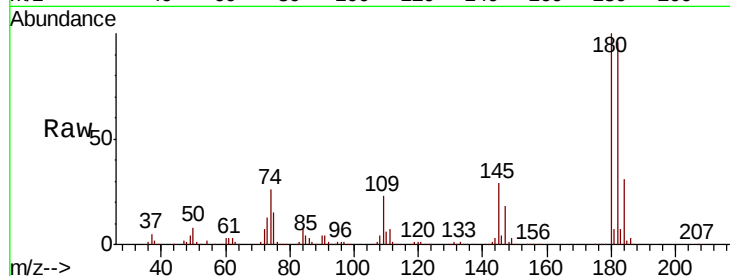




#67
 1,3,5-Trichlorobenzene
 Concen: 96.956 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018511.D
 Acq: 29 Sep 2020 12:38

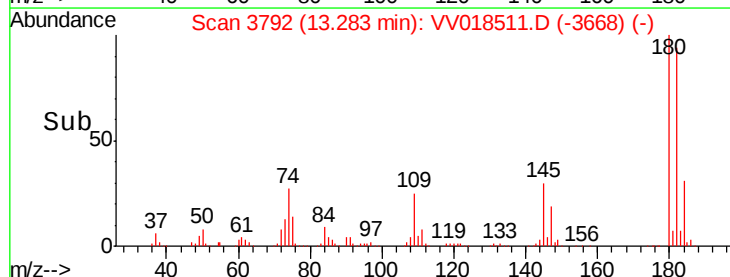
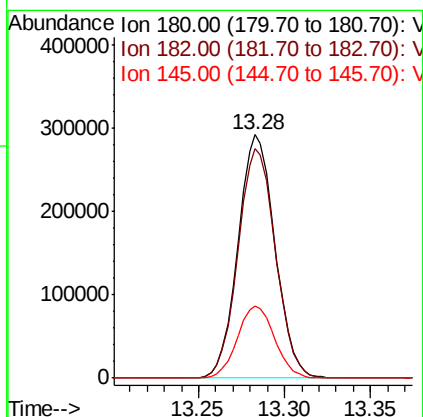
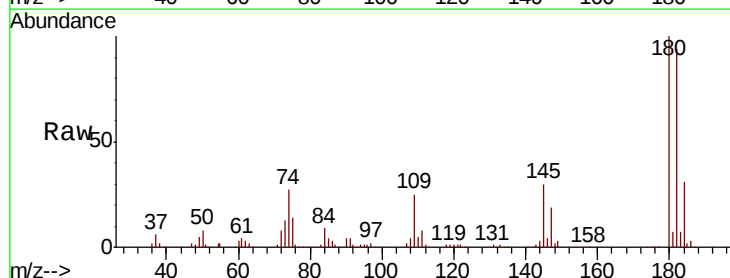
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

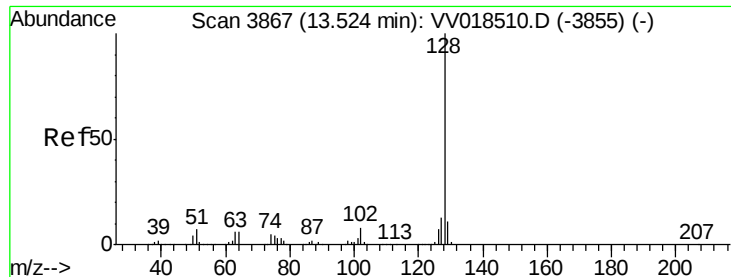
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.1	115.7
184	30.8	24.3	36.5
145	28.9	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 104.935 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018511.D
 Acq: 29 Sep 2020 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
145	29.9	23.6	35.4





#69

Naphthalene

Concen: 127.881 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Instrument :

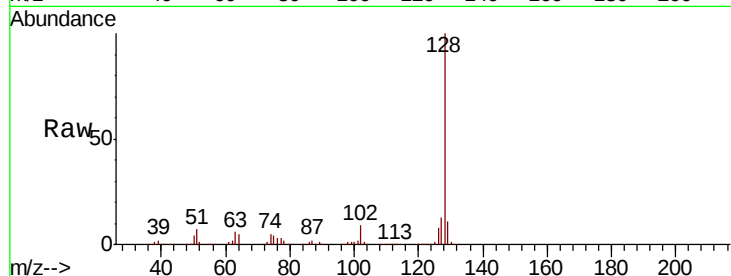
MSVOA_V

ClientSampleId :

VSTD10062

Tot Ion:128 Resp: 1348109

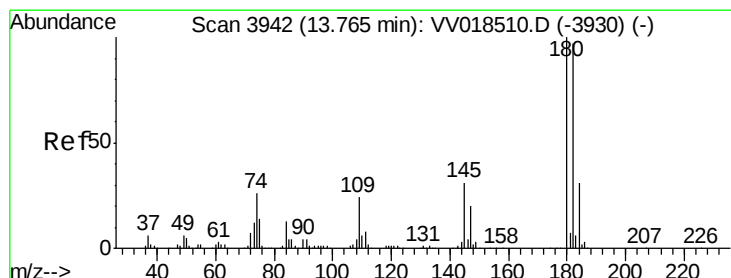
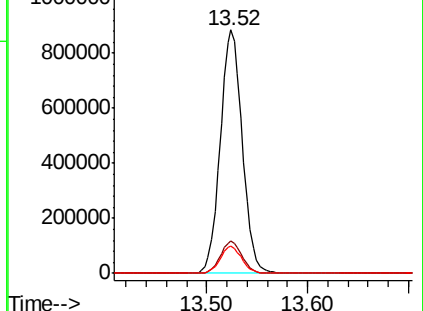
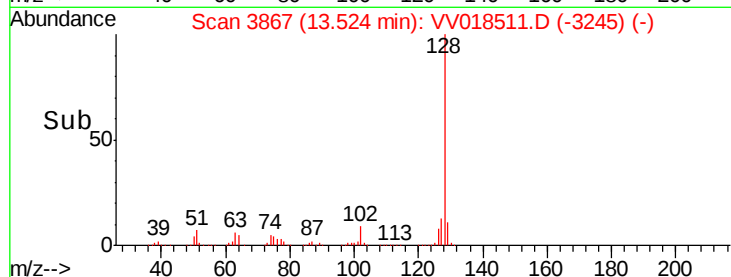
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	12.8



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: 106.300 ug/L

RT: 13.77 min Scan# 3943

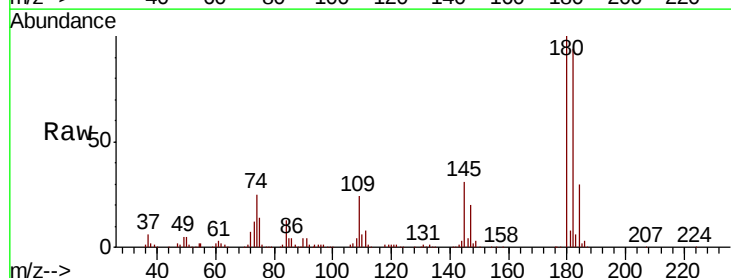
Delta R.T. 0.00 min

Lab File: VV018511.D

Acq: 29 Sep 2020 12:38

Tgt Ion:180 Resp: 436198

Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.1	115.7
145	31.5	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

