

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082020\
 Data File : VV018070.D
 Acq On : 20 Aug 2020 16:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 21 02:47:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 21 02:45:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	284722	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	279013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	154786	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110135	50.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.40%
7) Chloroethane-d5	1.58	69	91973	51.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.50%
11) 1,1-Dichloroethene-d2	2.12	63	213250	51.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.64%
21) 2-Butanone-d5	3.91	46	130019	91.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.38%
24) Chloroform-d	4.37	84	195869	49.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.06%
26) 1,2-Dichloroethane-d4	5.05	65	126634	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.60%
32) Benzene-d6	5.07	84	387560	50.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.09	67	120624	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.96%
41) Toluene-d8	7.33	98	357272	51.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.34%
43) trans-1,3-Dichloropropene-	7.64	79	59640	52.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.62%
47) 2-Hexanone-d5	8.11	63	74837	92.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.77%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	151319	46.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	146327	48.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	104657	47.611	ug/L 100
3) Chloromethane	1.25	50	116480	45.617	ug/L 97
5) Vinyl chloride	1.32	62	122473	48.410	ug/L 99
6) Bromomethane	1.53	94	70147	46.392	ug/L 100
8) Chloroethane	1.60	64	77807	48.185	ug/L 99
9) Trichlorofluoromethane	1.76	101	176521	48.845	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	104431	51.754	ug/L 98
12) 1,1-Dichloroethene	2.13	96	96143	50.339	ug/L 94
13) Acetone	2.19	43	157526	107.188	ug/L 100
14) Carbon disulfide	2.31	76	254585	48.431	ug/L 100
15) Methyl Acetate	2.44	43	109460	46.153	ug/L 100
16) Methylene chloride	2.52	84	109872	45.155	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	97426	49.625	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	322593	49.684	ug/L 100
19) 1,1-Dichloroethane	3.21	63	194438	49.254	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	109115	50.576	ug/L 97
22) 2-Butanone	3.99	43	170322	103.308	ug/L 100

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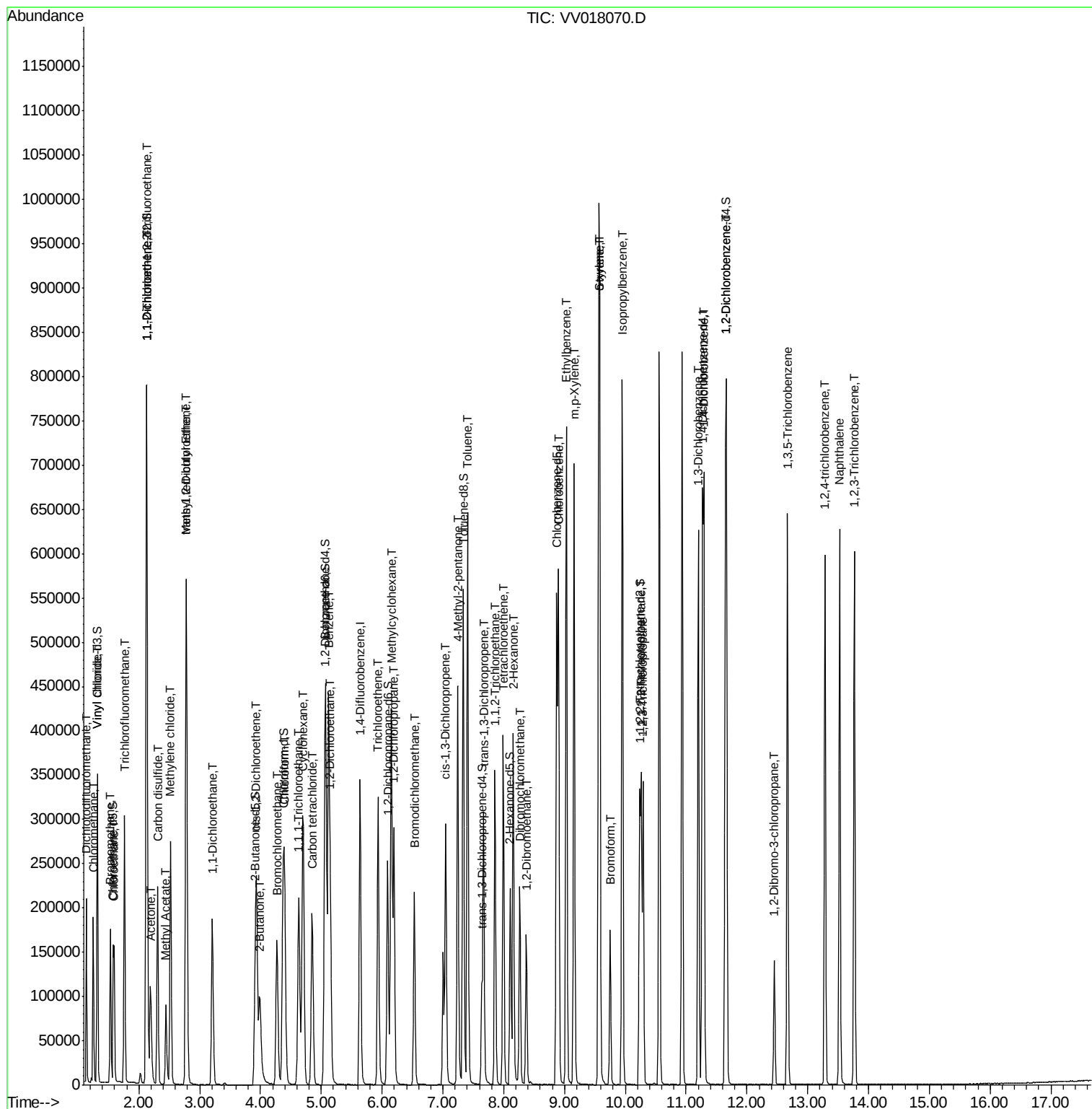
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	55651	49.377	uq/L	97
25) Chloroform	4.40	83	199791	49.619	uq/L	100
27) 1,2-Dichloroethane	5.15	62	157387	49.108	uq/L	98
29) Cyclohexane	4.70	56	168101	49.919	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	171898	50.275	uq/L	99
31) Carbon tetrachloride	4.85	117	147042	51.660	uq/L	100
33) Benzene	5.12	78	424383	49.163	uq/L	100
34) Trichloroethene	5.93	95	112556	49.329	uq/L	98
35) Methylcyclohexane	6.15	83	172885	50.955	uq/L	100
37) 1,2-Dichloropropane	6.19	63	115247	48.956	uq/L	100
38) Bromodichloromethane	6.53	83	147433	50.421	uq/L	100
39) cis-1,3-Dichloropropene	7.04	75	175102	52.469	uq/L	100
40) 4-Methyl-2-pentanone	7.24	43	296809	96.448	uq/L	100
42) Toluene	7.41	91	456427	50.671	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	170173	53.743	uq/L	100
45) 1,1,2-Trichloroethane	7.86	97	107374	49.252	uq/L	97
46) Tetrachloroethene	7.99	164	88227	52.723	uq/L	99
48) 2-Hexanone	8.15	43	244056	98.347	uq/L	99
49) Dibromochloromethane	8.26	129	113133	53.165	uq/L	98
50) 1,2-Dibromoethane	8.37	107	110155	48.837	uq/L	97
51) Chlorobenzene	8.90	112	291270	50.278	uq/L	99
52) Ethylbenzene	9.03	91	505802	51.500	uq/L	99
53) m,p-Xylene	9.16	106	191458	53.002	uq/L	97
54) o-xylene	9.56	106	182880	51.230	uq/L	98
55) Styrene	9.58	104	324270	53.044	uq/L	99
56) Isopropylbenzene	9.95	105	501951	53.300	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	160521	47.284	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	136841	47.067	uq/L	100
61) Bromoform	9.75	173	77926	53.207	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	245156	49.807	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	250027	49.448	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	244295	48.221	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33779	45.253	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	195162	52.195	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	180693	54.966	uq/L	99
69) Naphthalene	13.52	128	465933	51.423	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	180774	54.074	uq/L	99

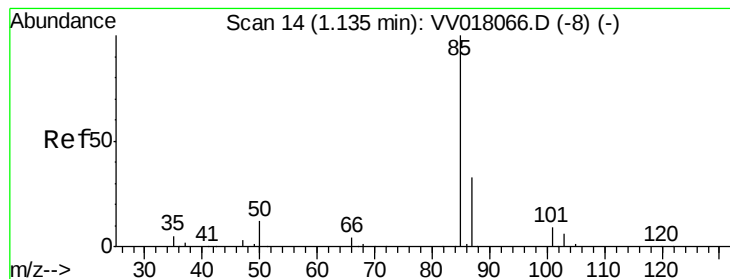
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.611 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

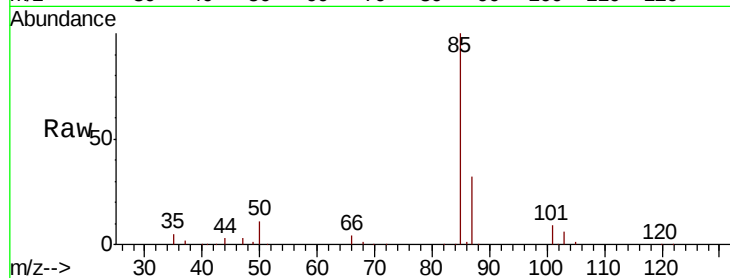
ClientSampleId :

Tot Ion: 85 Resp: 104657

Ion Ratio Lower Upper

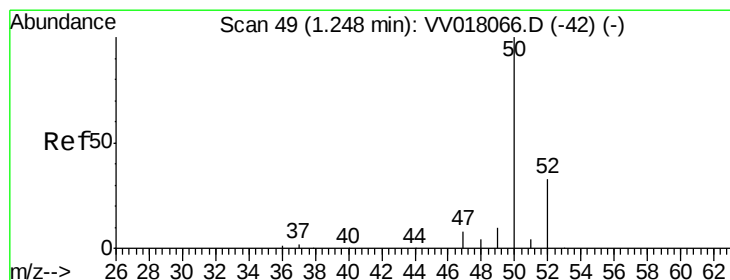
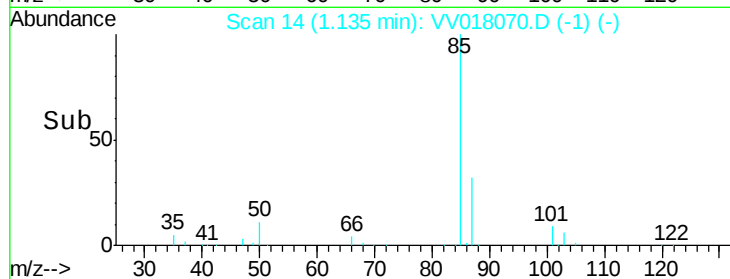
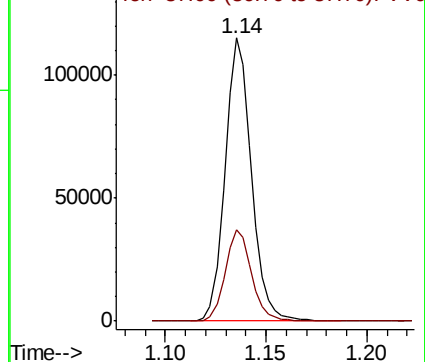
85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 45.617 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018070.D

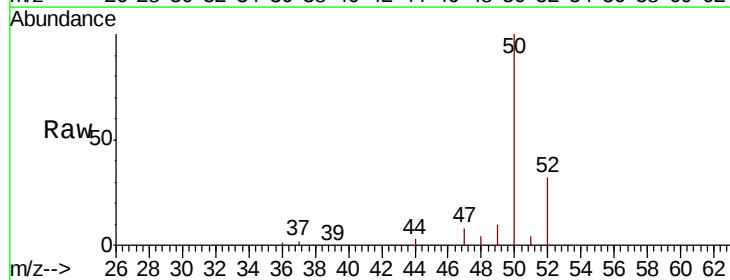
Acq: 20 Aug 2020 16:59

Tgt Ion: 50 Resp: 116480

Ion Ratio Lower Upper

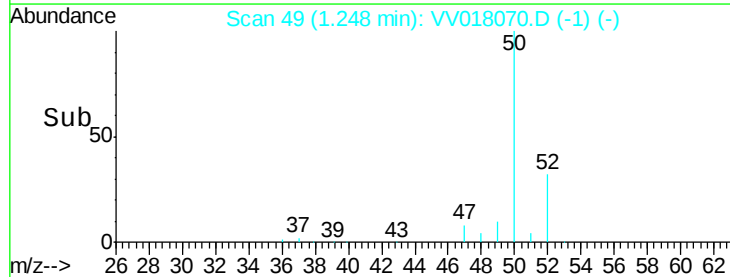
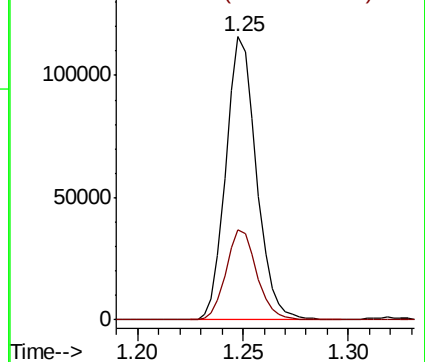
50 100

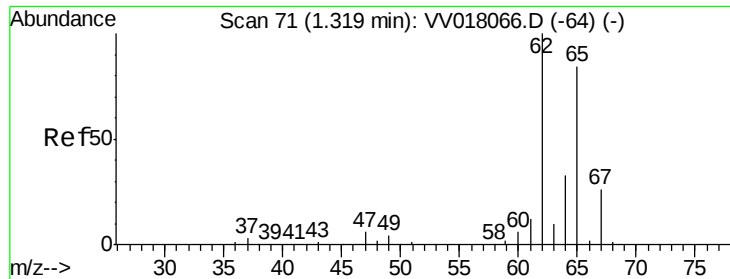
52 31.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 48.410 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

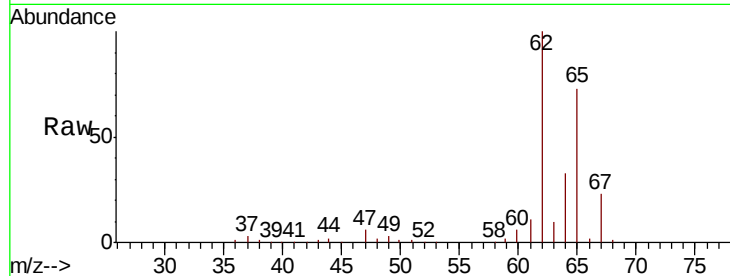
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 122473

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

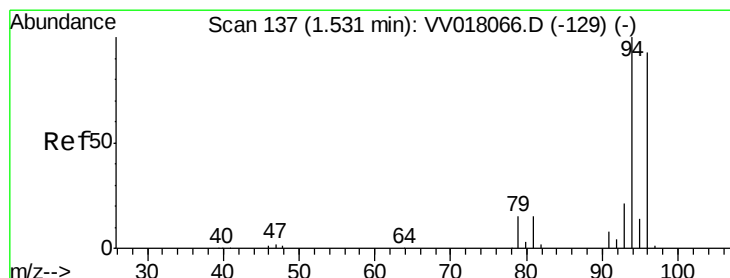
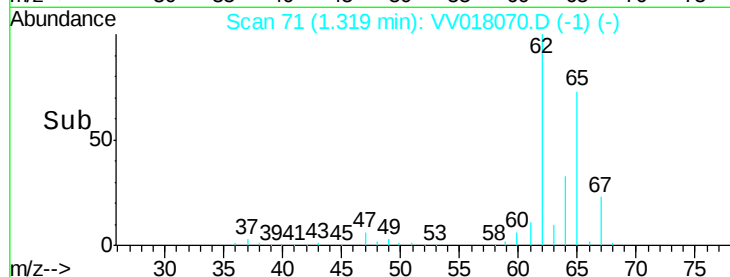
100000

50000

0

Time-->

1.30 1.35 1.40



#6

Bromomethane

Concen: 46.392 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018070.D

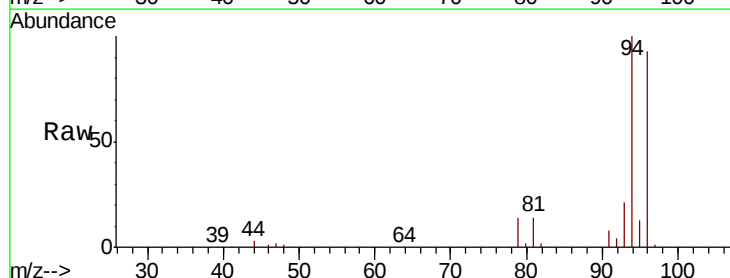
Acq: 20 Aug 2020 16:59

Tgt Ion: 94 Resp: 70147

Ion Ratio Lower Upper

94 100

96 93.4 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

60000

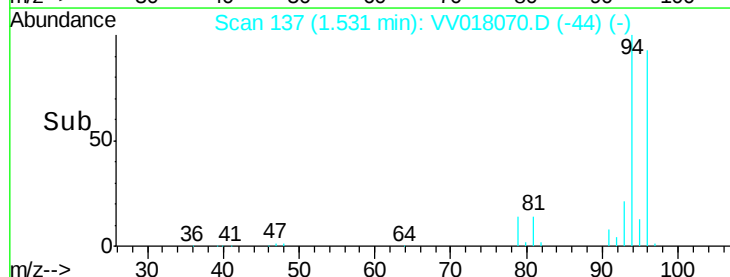
40000

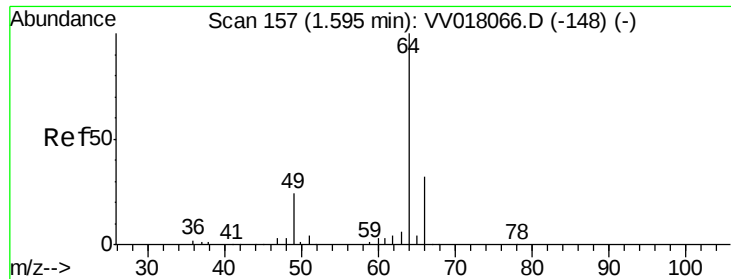
20000

0

Time-->

1.50 1.55 1.60

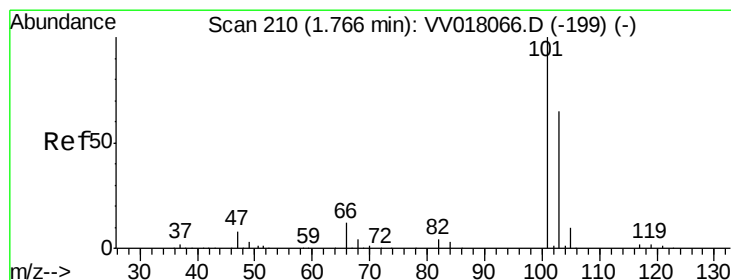
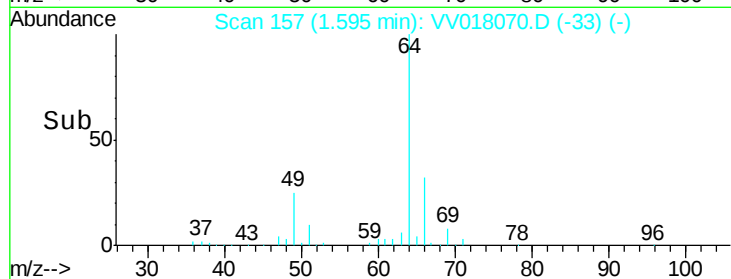
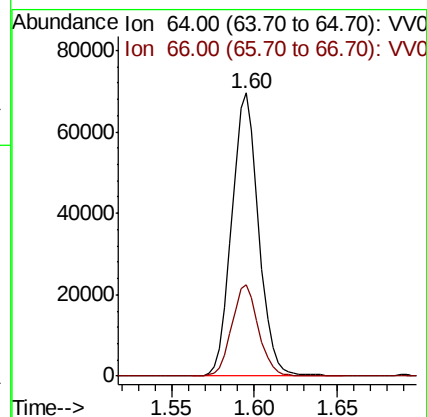
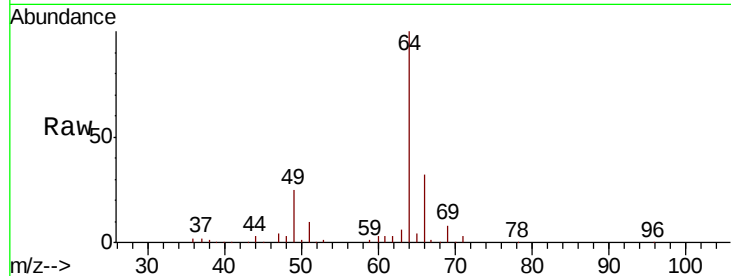




#8
Chloroethane
Concen: 48.185 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

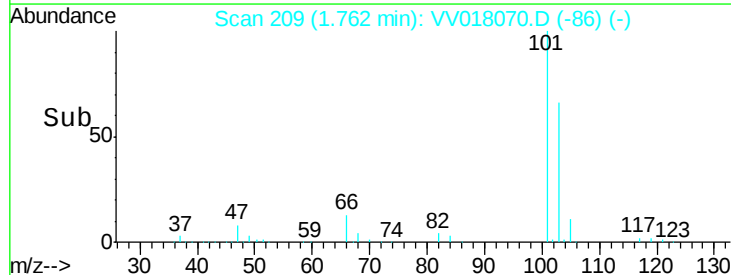
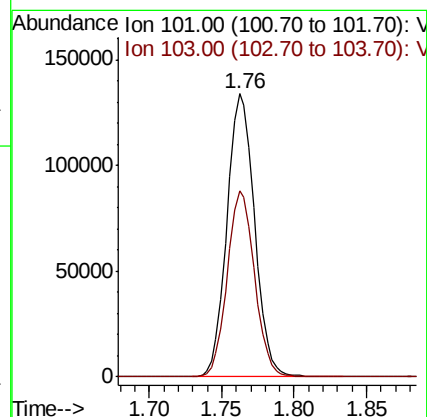
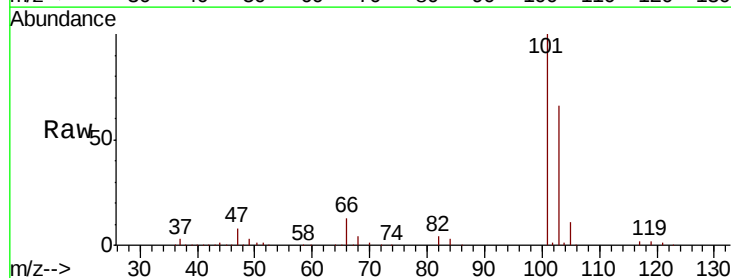
Instrument :
MSVOA_V
ClientSampleId :

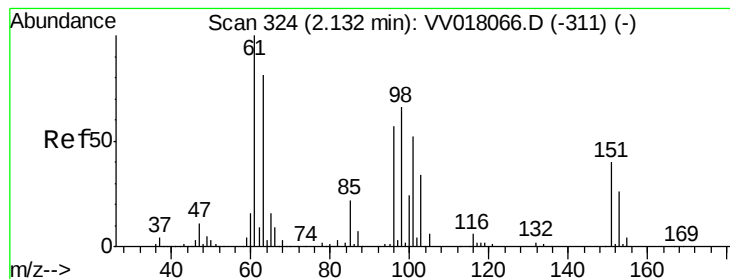
Tot Ion: 64 Resp: 77807
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 48.845 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

Tgt Ion:101 Resp: 176521
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3





#10

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

Concen: 51.754 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

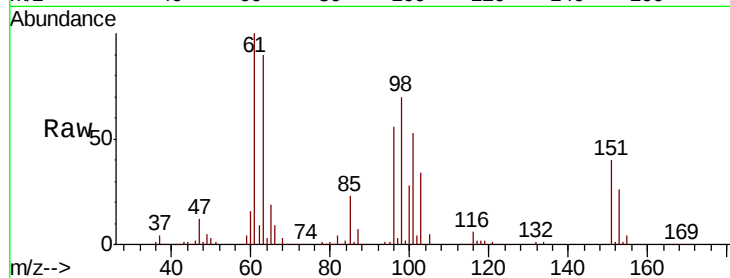
Tot Ion:101 Resp: 104431

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

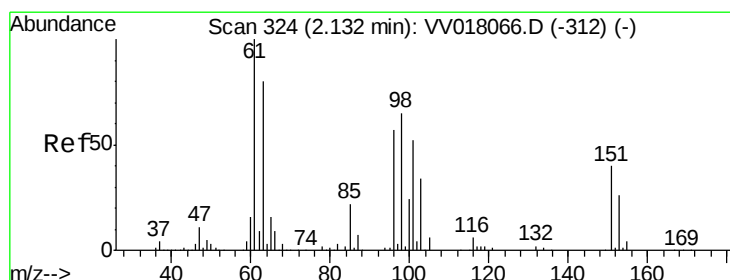
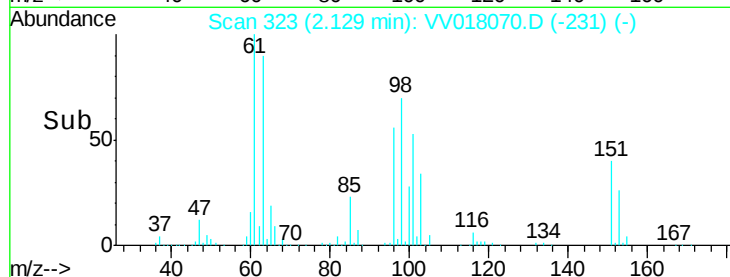
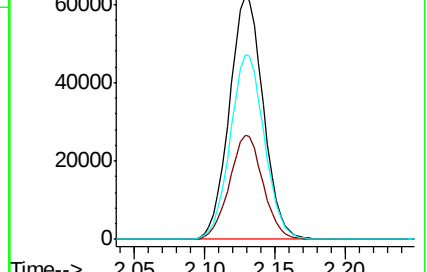
151 76.3 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV018066.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018066.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018066.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 50.339 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

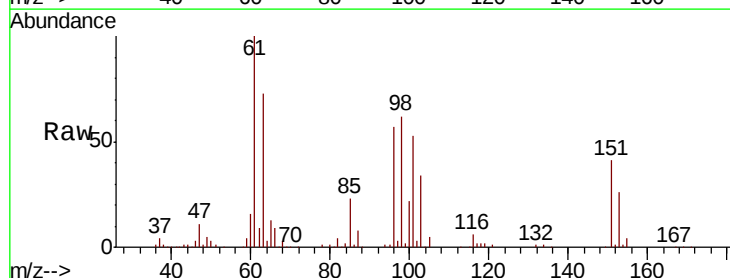
Tgt Ion: 96 Resp: 96143

Ion Ratio Lower Upper

96 100

61 174.3 127.1 236.0

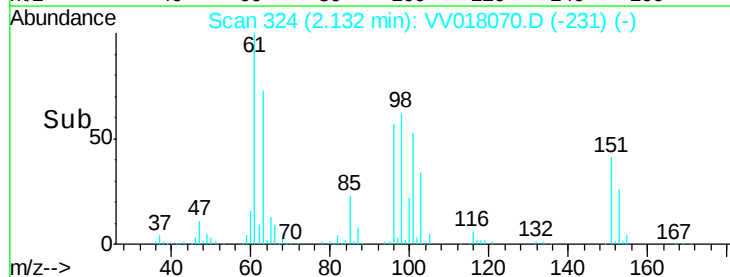
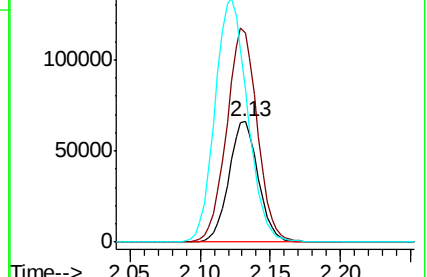
63 126.9 95.2 176.8

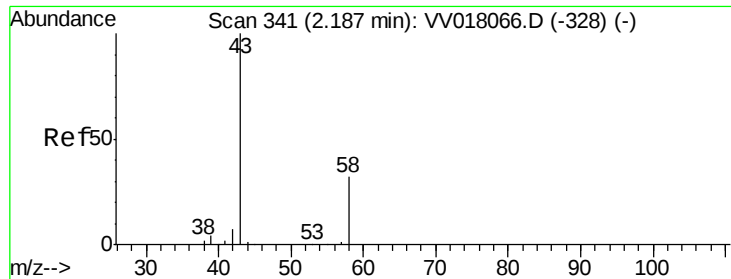


Abundance Ion 96.00 (95.70 to 96.70): VV018066.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV018066.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV018066.D (-312) (-)





#13

Acetone

Concen: 107.188 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

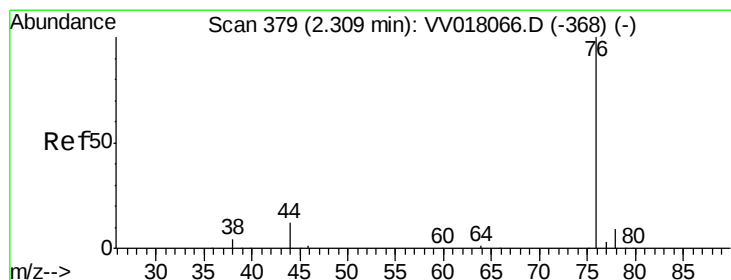
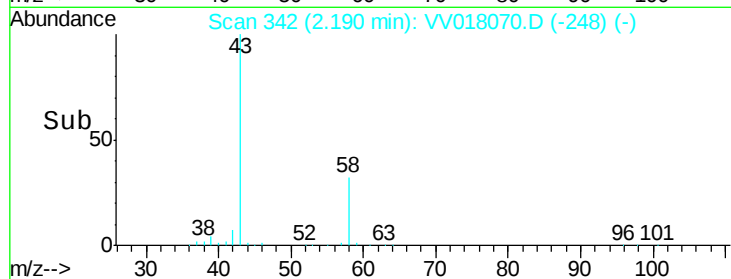
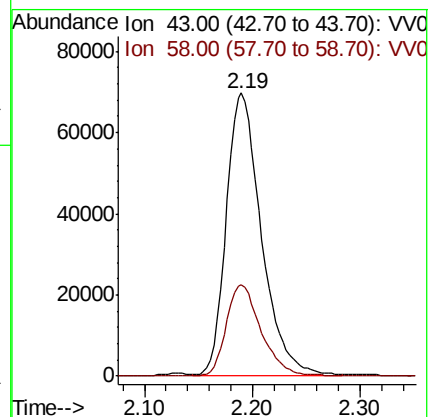
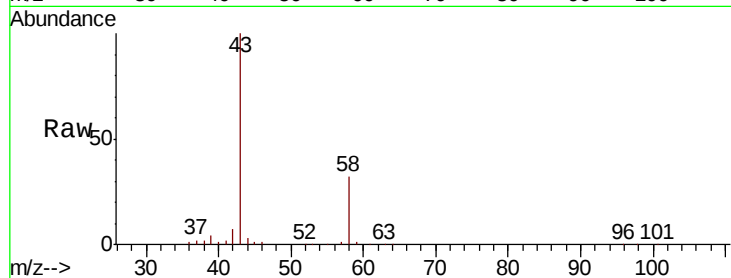
ClientSampleId :

Tot Ion: 43 Resp: 157526

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.6



#14

Carbon disulfide

Concen: 48.431 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018070.D

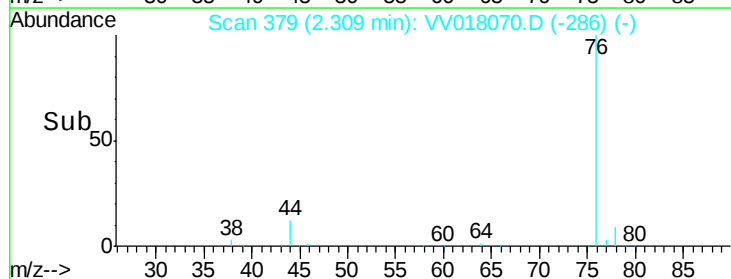
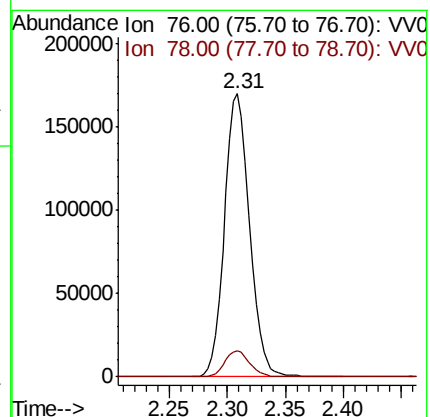
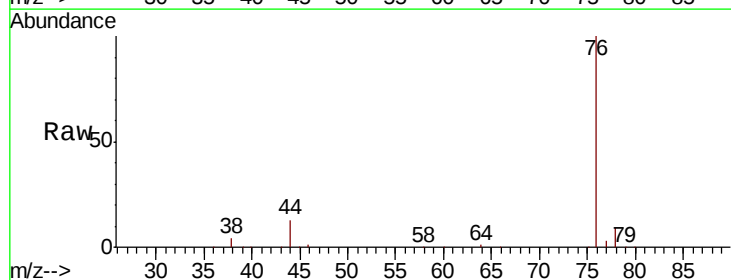
Acq: 20 Aug 2020 16:59

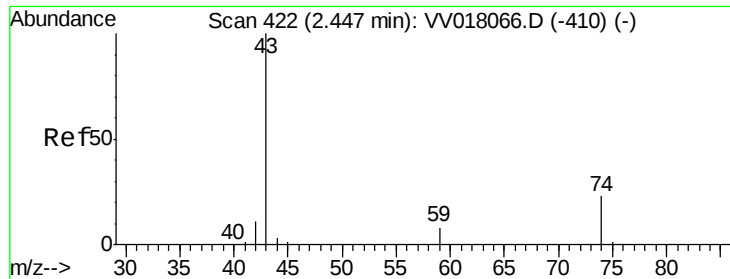
Tgt Ion: 76 Resp: 254585

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

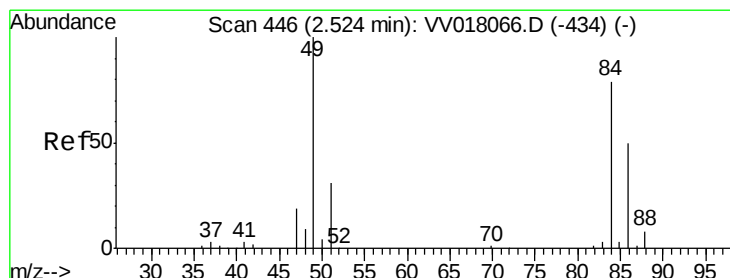
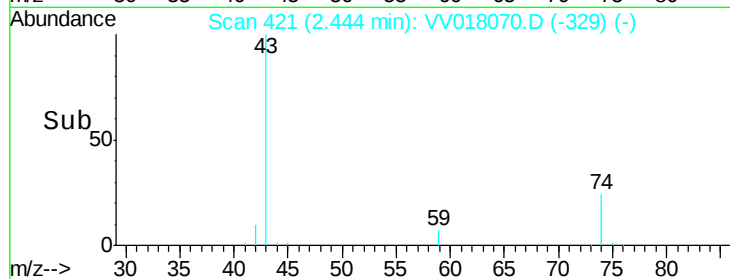
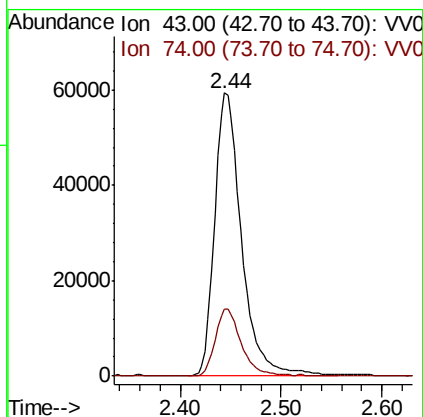
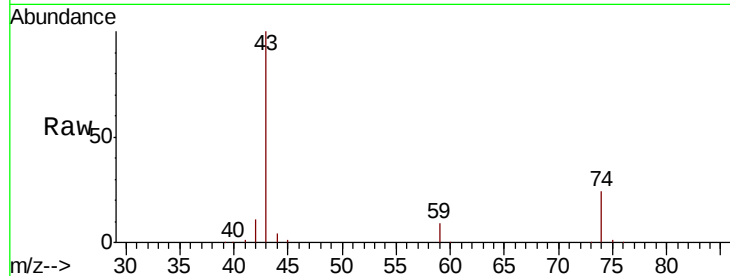




#15
Methvl Acetate
Concen: 46.153 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

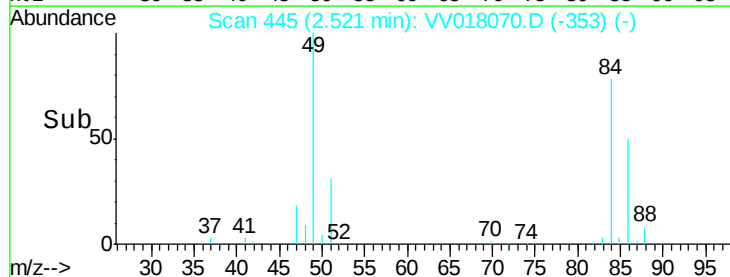
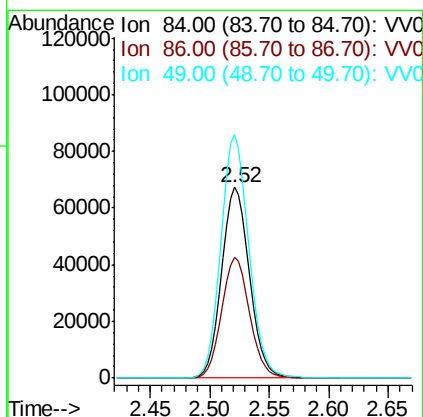
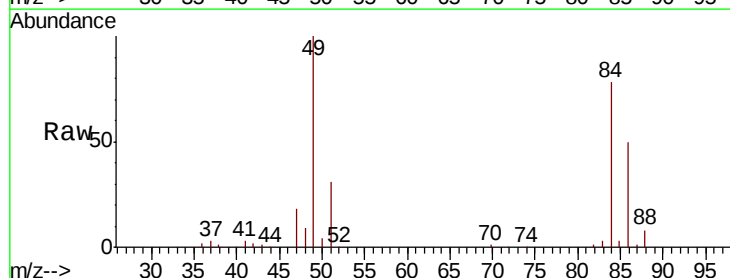
Instrument :
MSVOA_V
ClientSampleId :

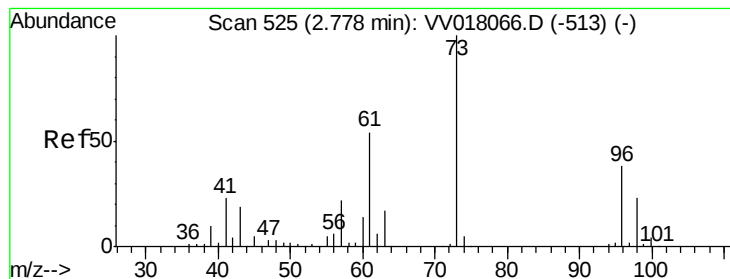
Tot Ion: 43 Resp: 109460
Ion Ratio Lower Upper
43 100
74 23.1 18.4 27.6



#16
Methylene chloride
Concen: 45.155 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

Tgt Ion: 84 Resp: 109872
Ion Ratio Lower Upper
84 100
86 63.5 46.3 85.9
49 127.7 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 49.625 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :
MSVOA_V
ClientSampled :

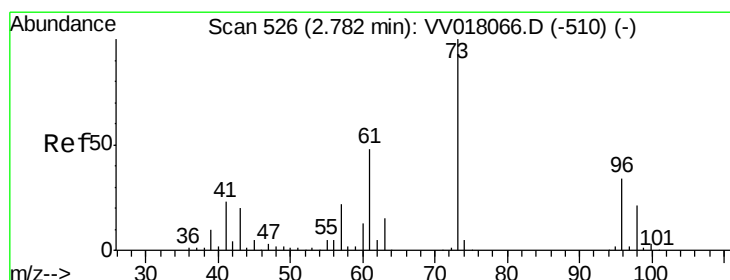
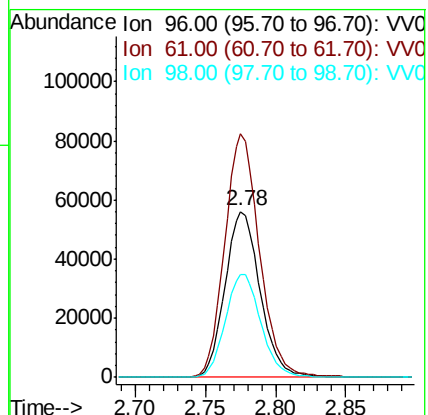
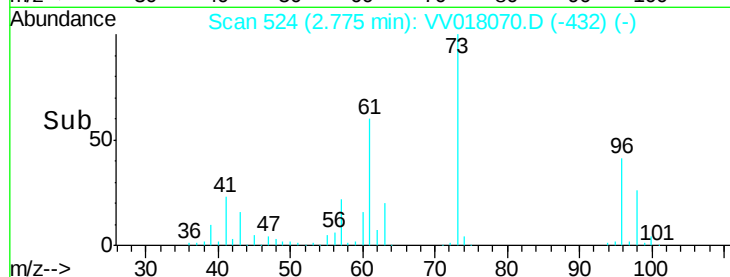
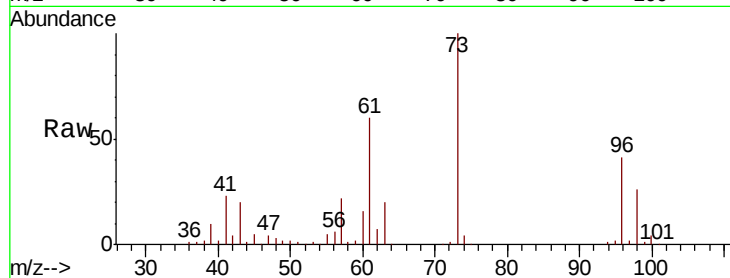
Tot Ion: 96 Resp: 97426

Ion Ratio Lower Upper

96 100

61 147.0 102.4 190.2

98 62.5 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 49.684 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

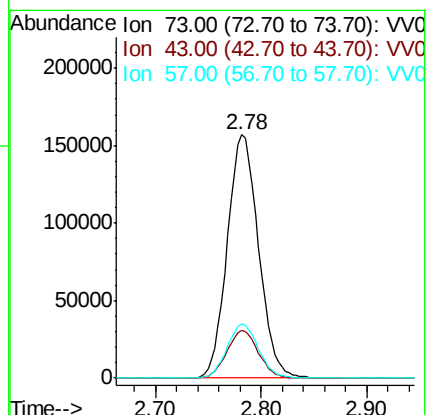
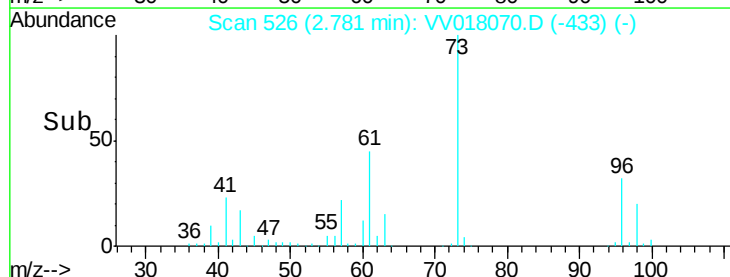
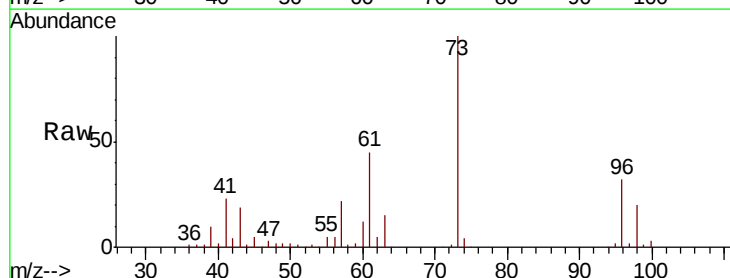
Tgt Ion: 73 Resp: 322593

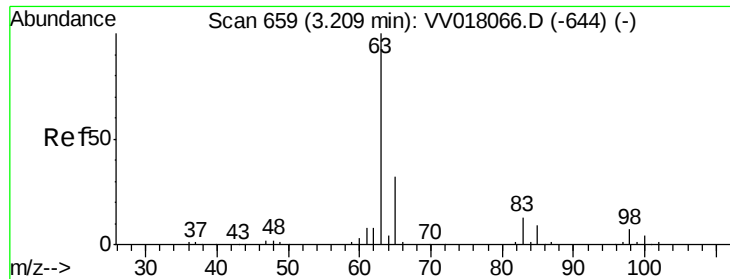
Ion Ratio Lower Upper

73 100

43 19.8 15.9 23.9

57 22.3 18.1 27.1

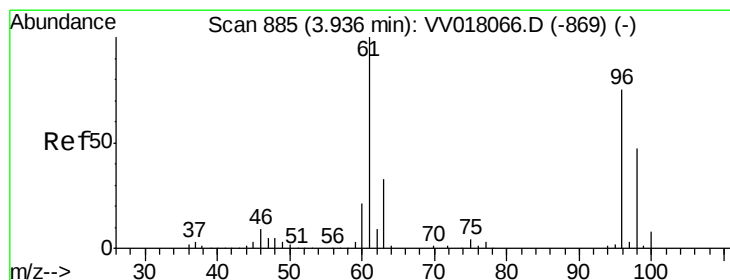
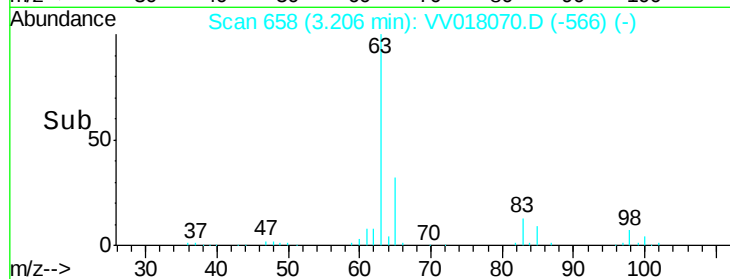
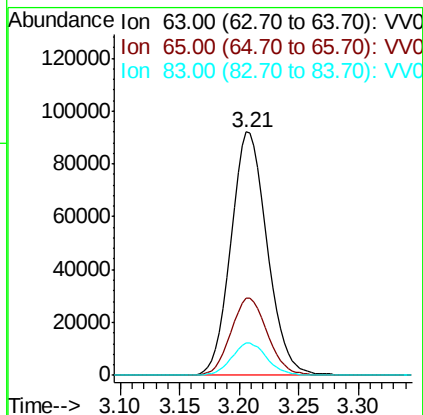
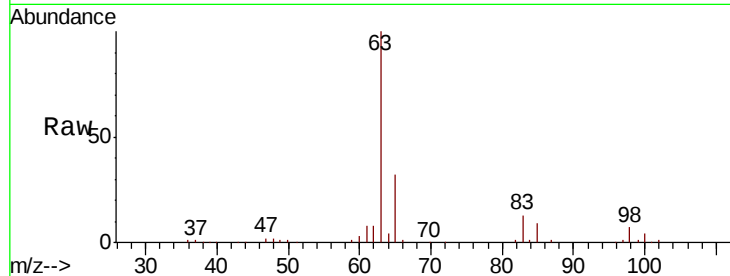




#19
 1,1-Dichloroethane
 Concen: 49.254 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

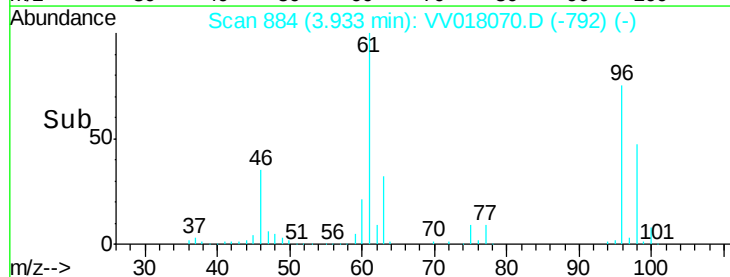
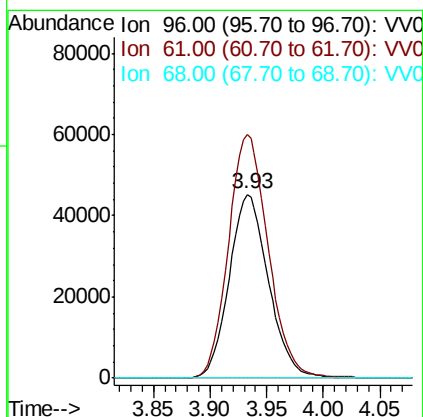
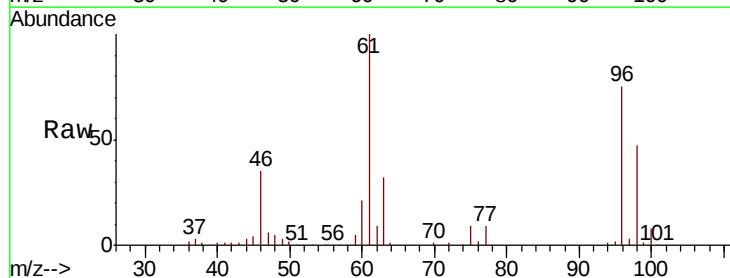
Instrument :
 MSVOA_V
 ClientSampleId :

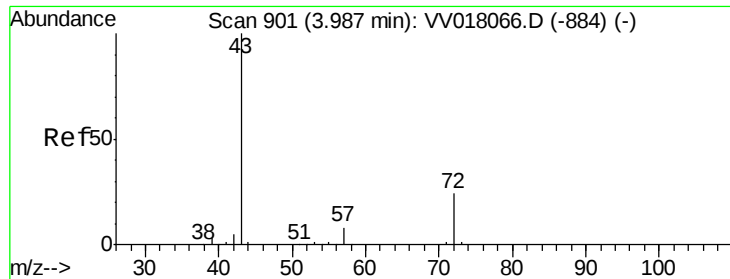
Tot Ion: 63 Resp: 194438
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.7
 83 13.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.576 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

Tgt Ion: 96 Resp: 109115
 Ion Ratio Lower Upper
 96 100
 61 132.6 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.308 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

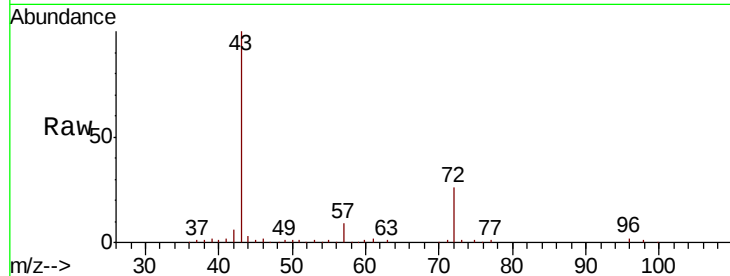
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 170322

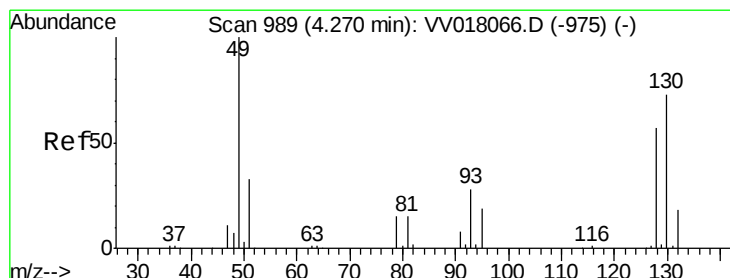
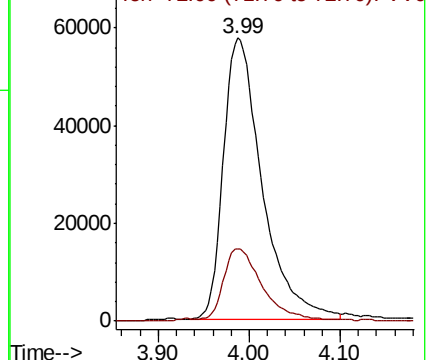
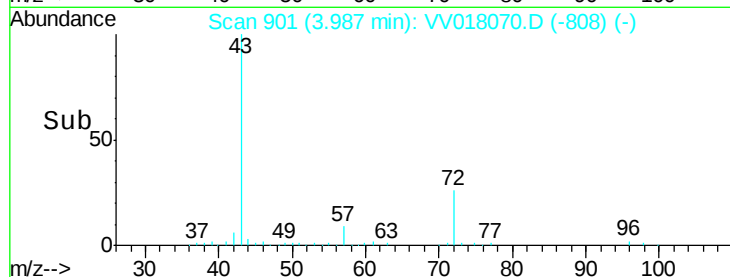
Ion Ratio Lower Upper

43 100

72 25.1 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018070.D (-808) (-)



#23

Bromochloromethane

Concen: 49.377 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Tgt Ion:128 Resp: 55651

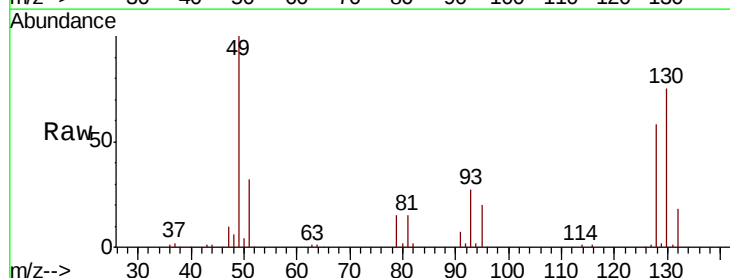
Ion Ratio Lower Upper

128 100

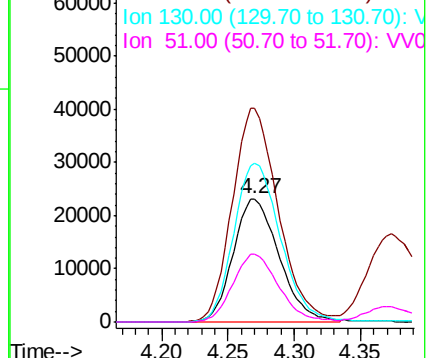
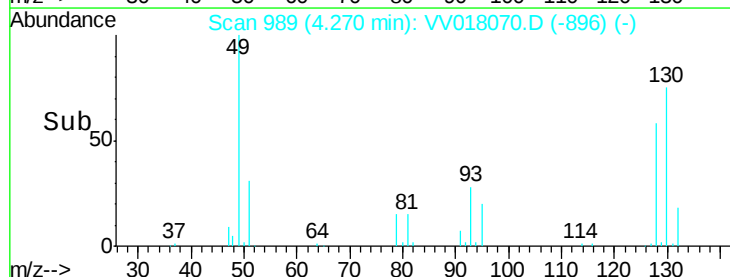
49 173.6 125.6 233.3

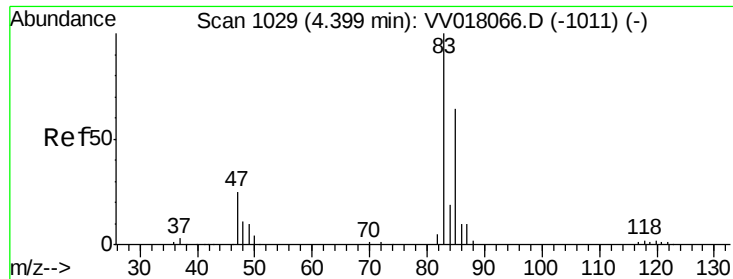
130 129.4 89.9 167.0

51 55.0 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV018070.D (-896) (-)

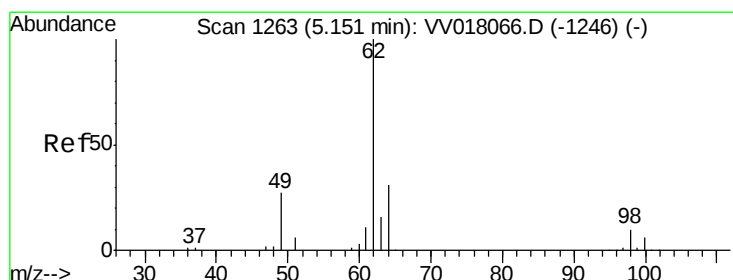
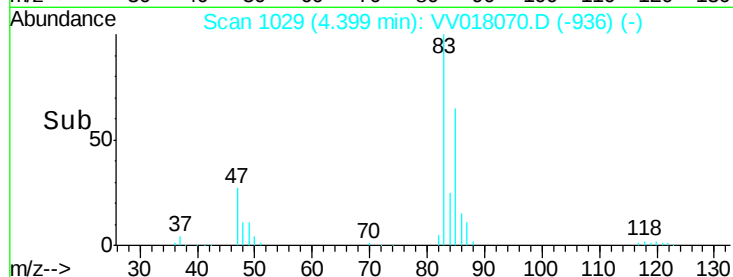
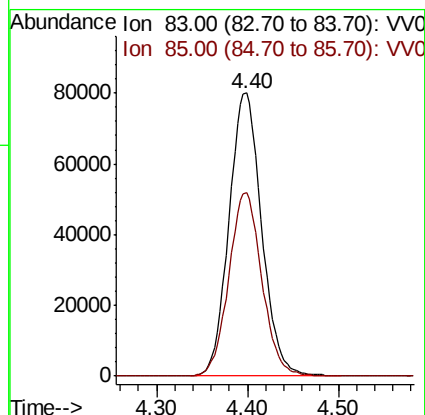
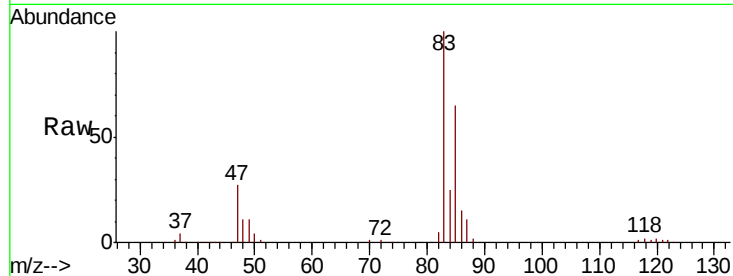




#25
Chloroform
Concen: 49.619 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

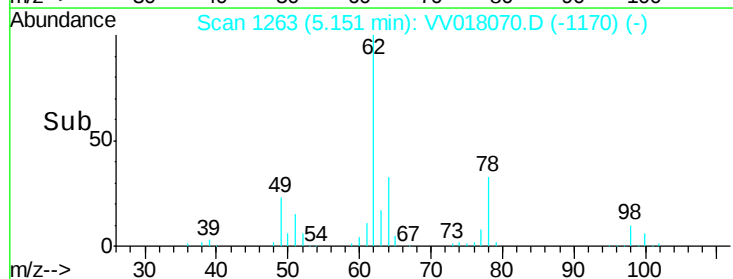
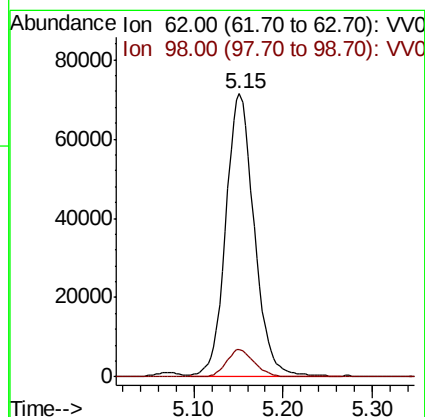
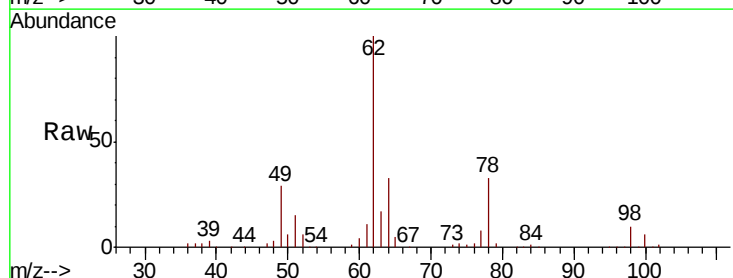
Instrument :
MSVOA_V
ClientSampleId :

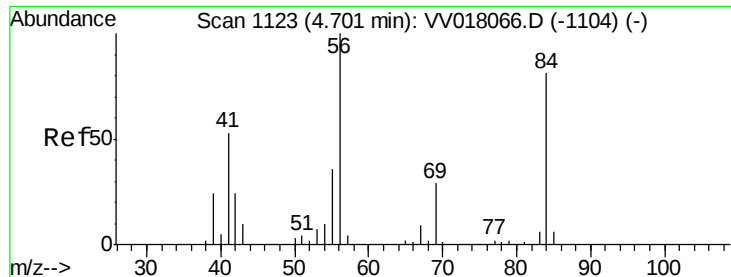
Tot Ion: 83 Resp: 199791
Ion Ratio Lower Upper
83 100
85 64.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.108 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

Tgt Ion: 62 Resp: 157387
Ion Ratio Lower Upper
62 100
98 9.8 7.1 10.7

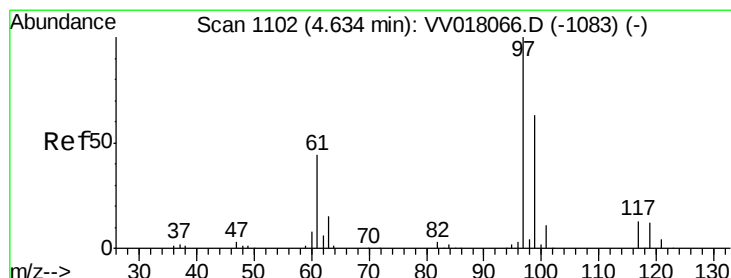
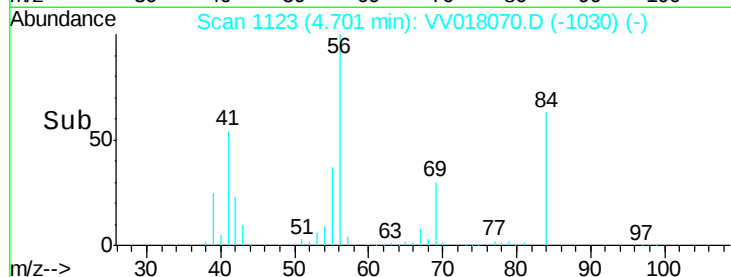
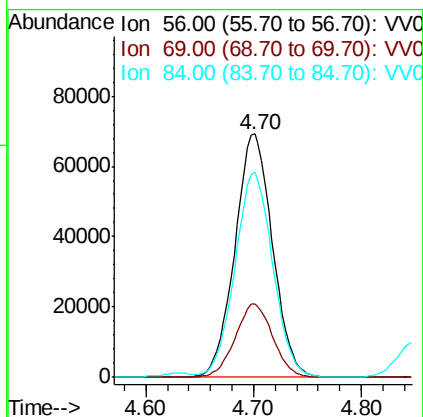
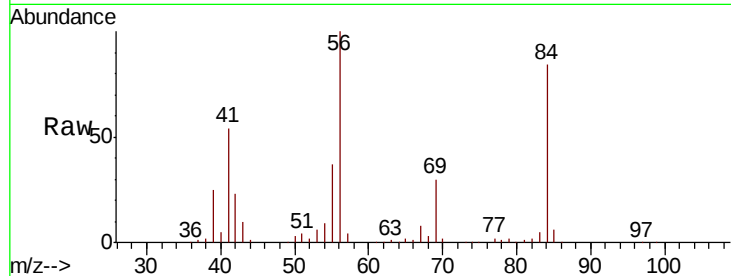




#29
Cyclohexane
Concen: 49.919 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

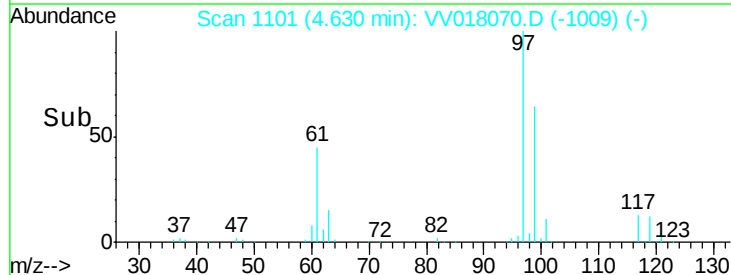
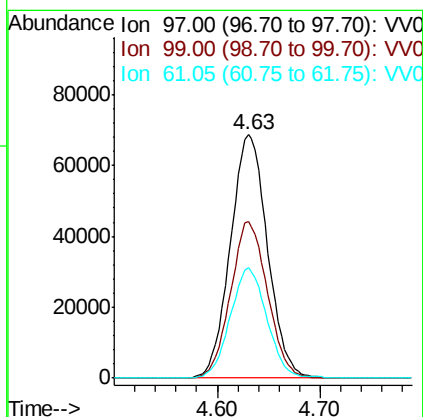
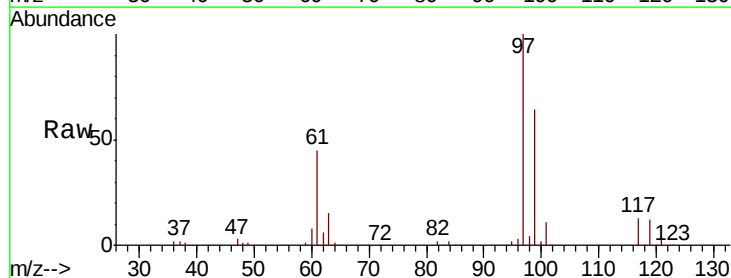
Instrument :
MSVOA_V
ClientSampleId :

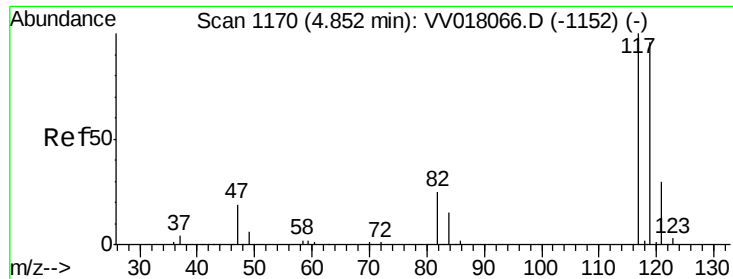
Tot Ion: 56 Resp: 168101
Ion Ratio Lower Upper
56 100
69 30.2 23.8 35.8
84 84.7 66.8 100.2



#30
1,1,1-Trichloroethane
Concen: 50.275 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

Tgt Ion: 97 Resp: 171898
Ion Ratio Lower Upper
97 100
99 64.1 50.6 76.0
61 44.9 37.0 55.6

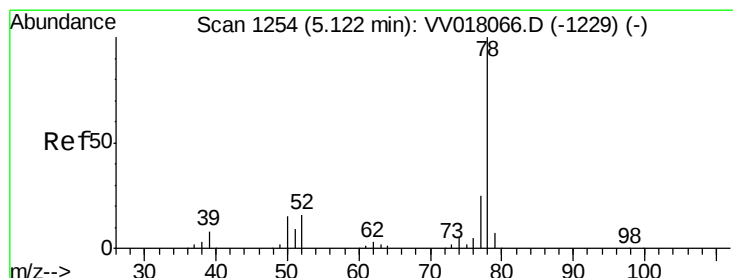
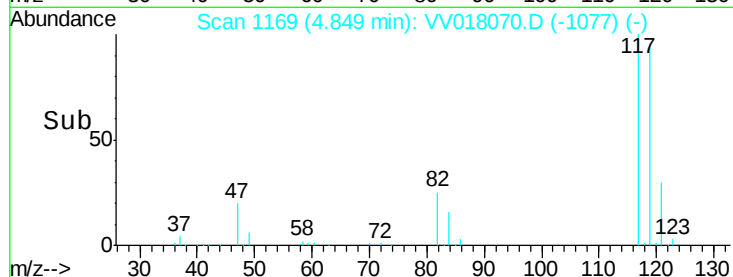
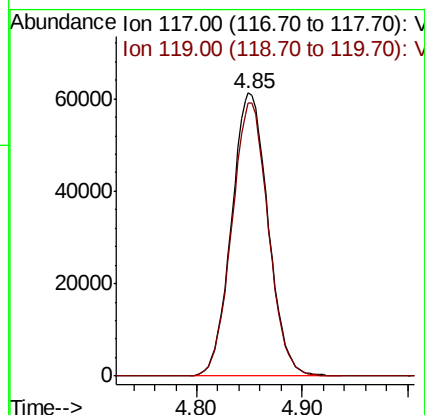
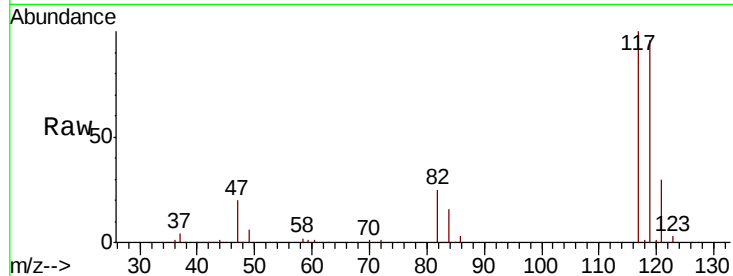




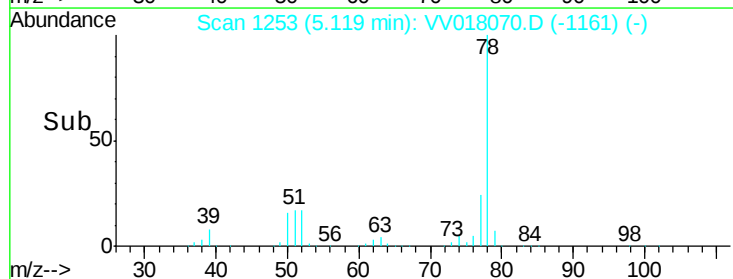
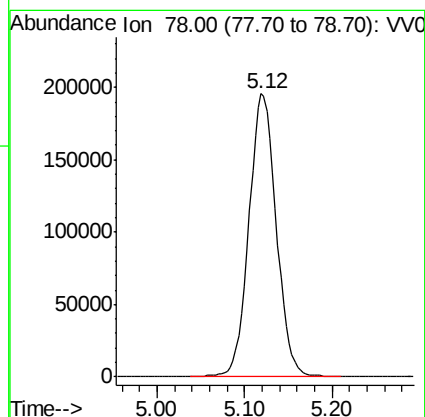
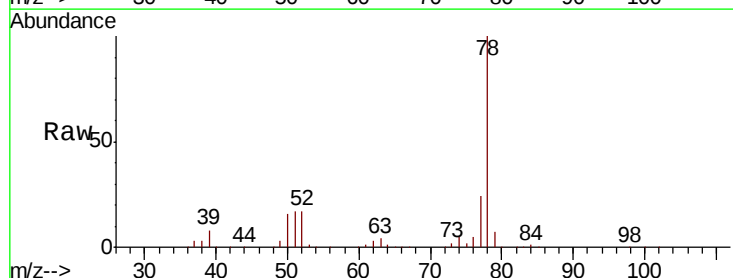
#31
Carbon tetrachloride
Concen: 51.660 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

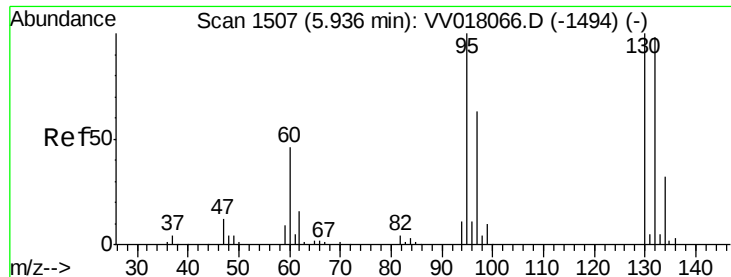
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 147042
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.6



#33
Benzene
Concen: 49.163 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59
Tgt Ion: 78 Resp: 424383





#34

Trichloroethene

Concen: 49.329 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 112556

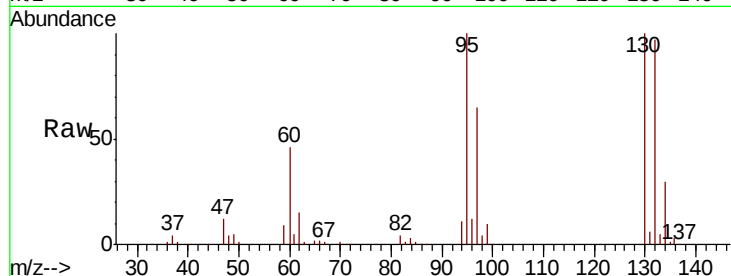
Ion Ratio Lower Upper

95 100

97 65.5 46.0 85.4

132 96.8 65.8 122.2

130 100.1 69.2 128.6

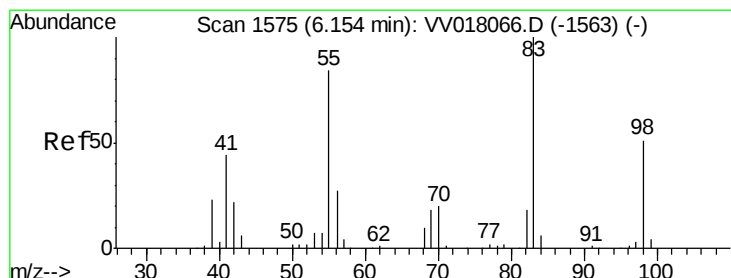
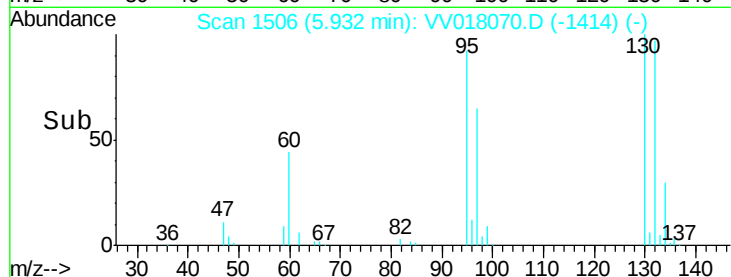
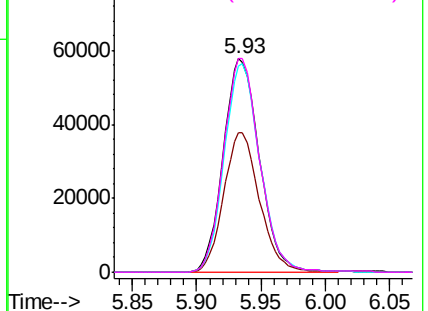


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 50.955 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

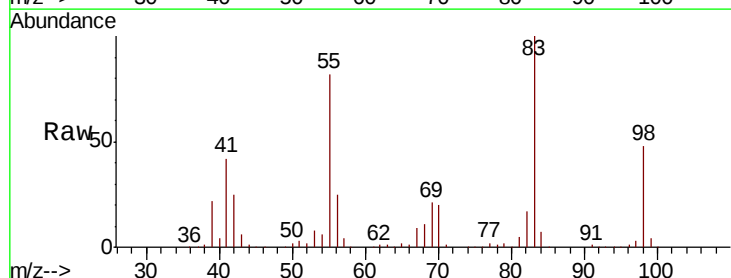
Tgt Ion: 83 Resp: 172885

Ion Ratio Lower Upper

83 100

55 81.6 64.9 97.3

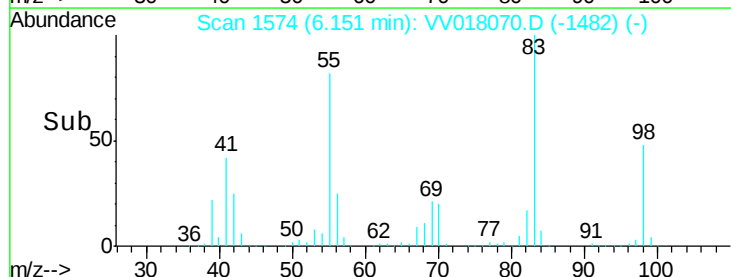
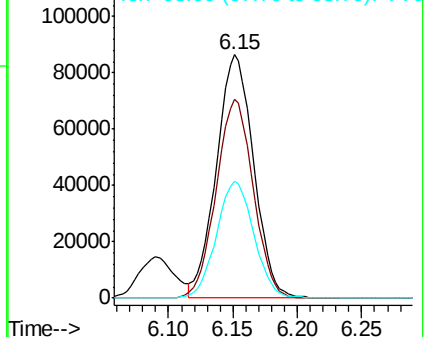
98 48.4 38.7 58.1

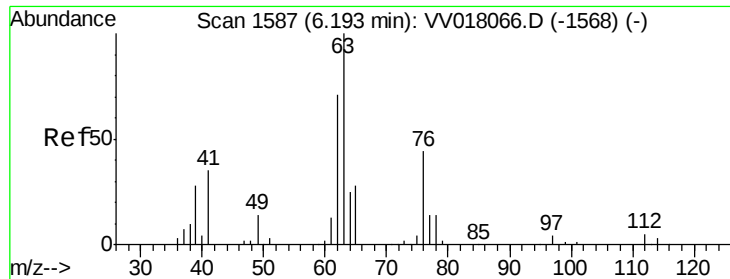


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

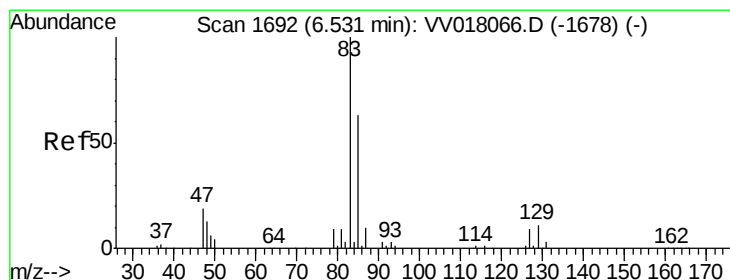
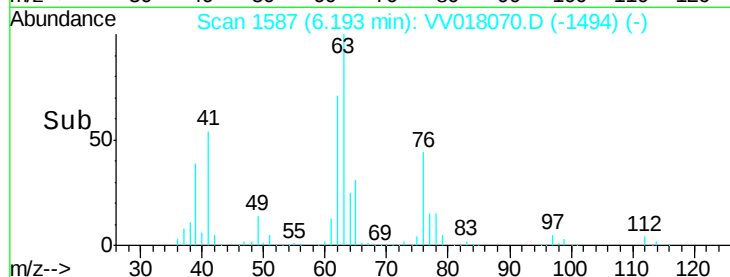
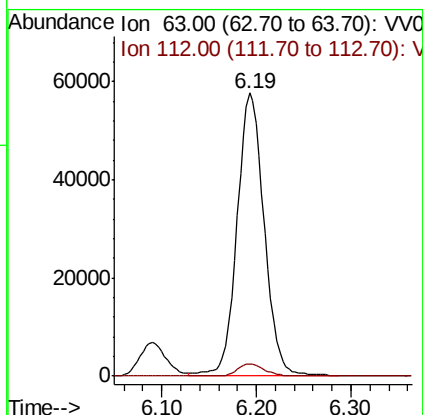
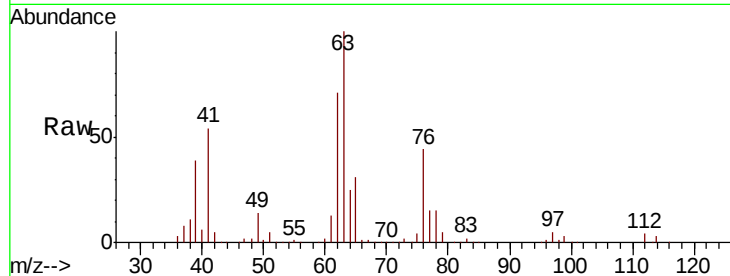




#37
 1,2-Dichloropropane
 Concen: 48.956 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

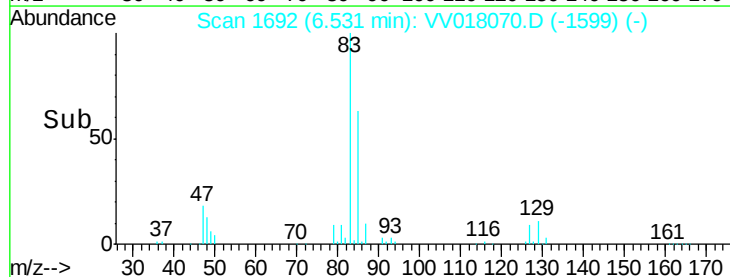
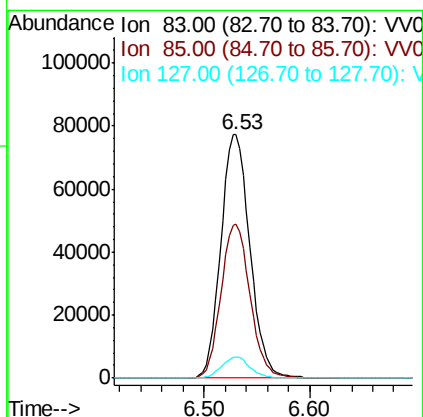
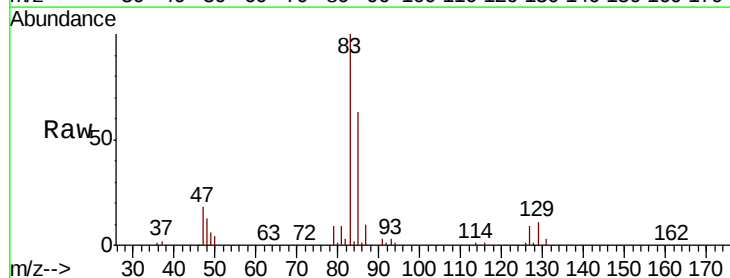
Instrument :
 MSVOA_V
 ClientSampleId :

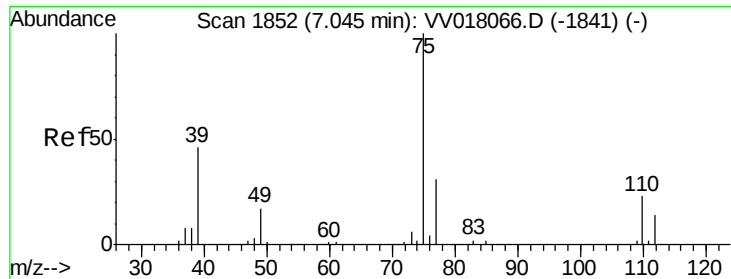
Tot Ion: 63 Resp: 115247
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 50.421 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

Tgt Ion: 83 Resp: 147433
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.3 82.3
 127 8.7 6.5 9.7

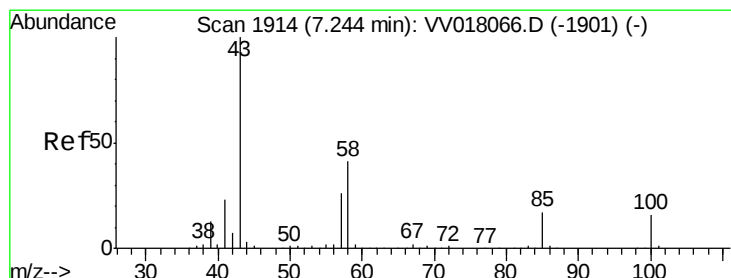
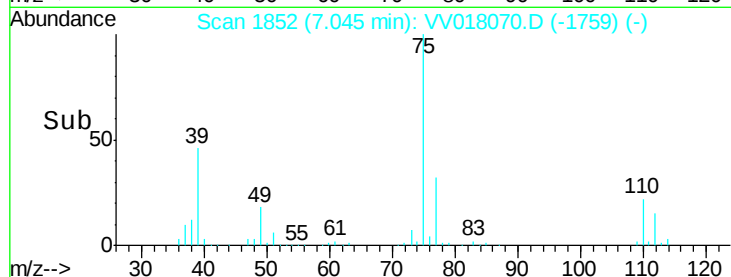
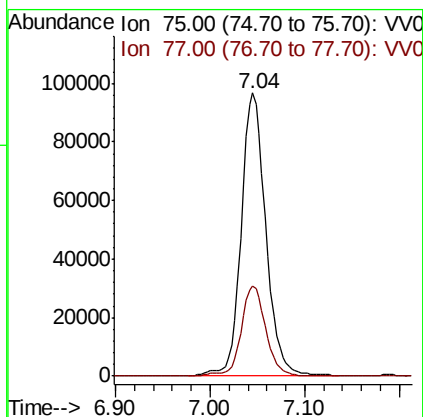
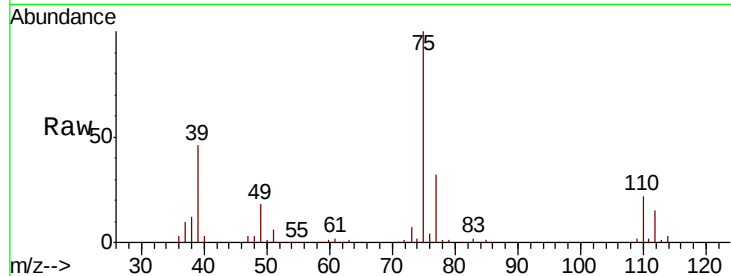




#39
 cis-1,3-Dichloropropene
 Concen: 52.469 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

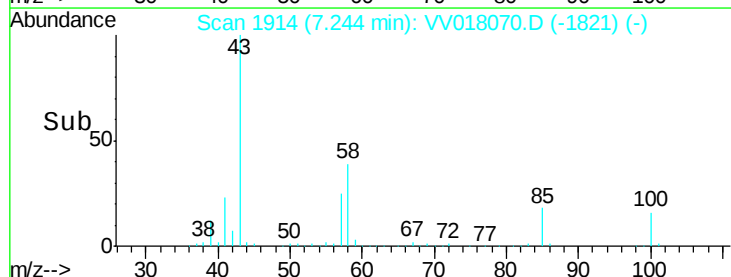
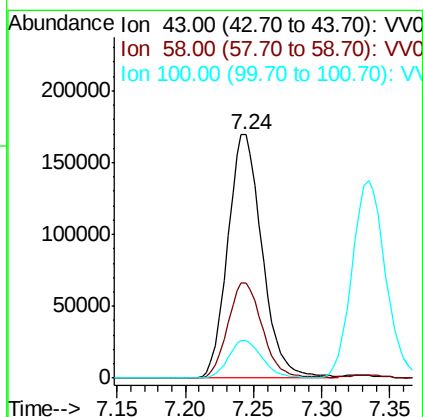
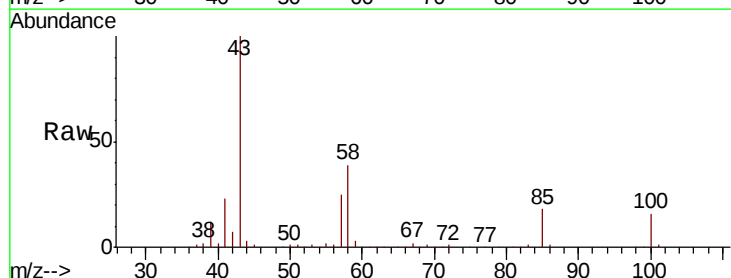
Instrument :
 MSVOA_V
 ClientSampleId :

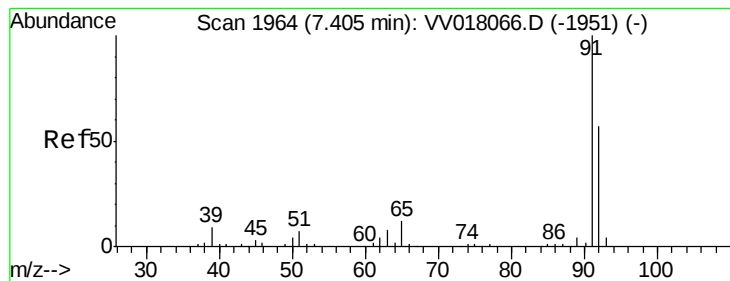
Tot Ion: 75 Resp: 175102
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 96.448 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

Tgt Ion: 43 Resp: 296809
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.9 47.9
 100 15.2 12.2 18.2





#42

Toluene

Concen: 50.671 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

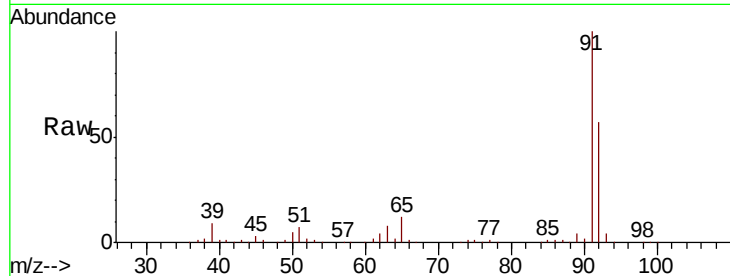
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 456427

Ion Ratio Lower Upper

91 100

92 57.4 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV018066.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018070.D (-1871) (-)

7.41

250000

200000

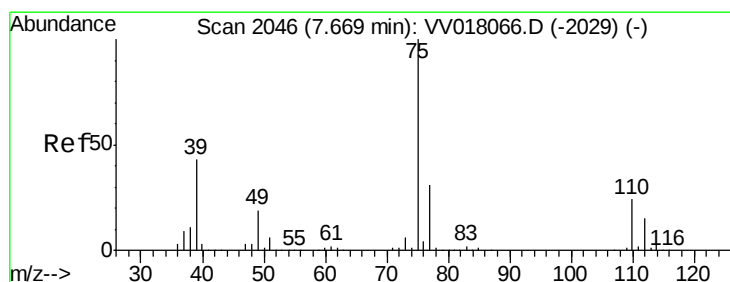
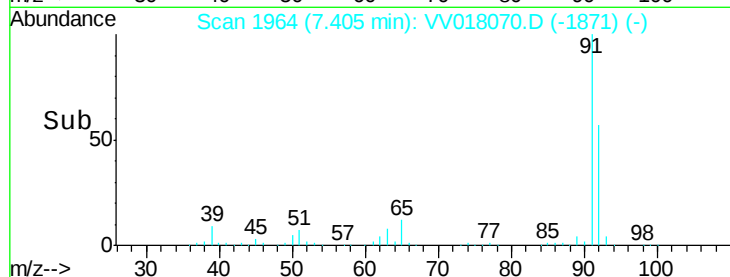
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 53.743 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018070.D

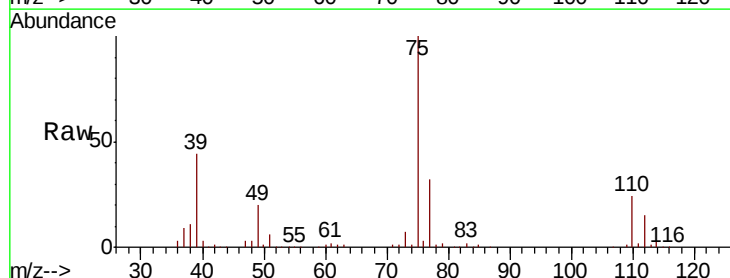
Acq: 20 Aug 2020 16:59

Tgt Ion: 75 Resp: 170173

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018066.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018070.D (-1953) (-)

7.67

100000

80000

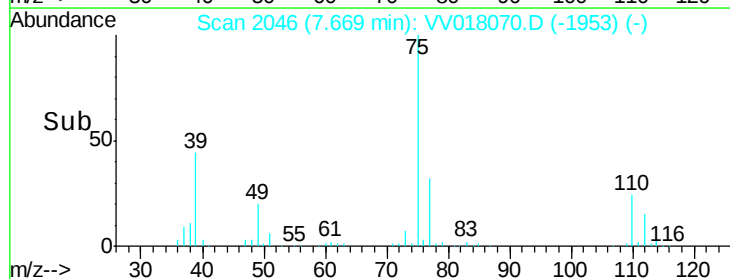
60000

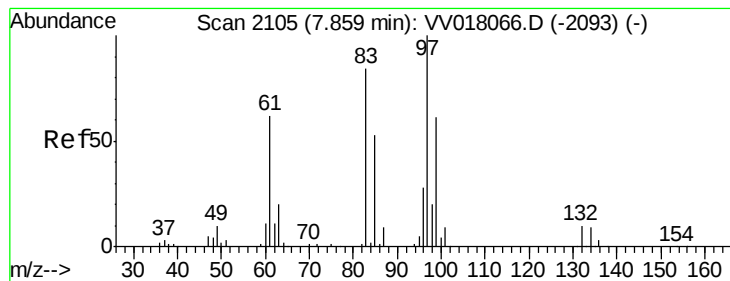
40000

20000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 49.252 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 107374

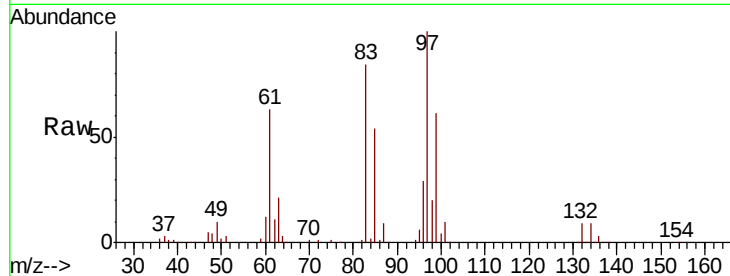
Ion Ratio Lower Upper

97 100

99 61.1 44.2 82.2

83 83.6 61.0 113.4

85 54.3 39.5 73.4

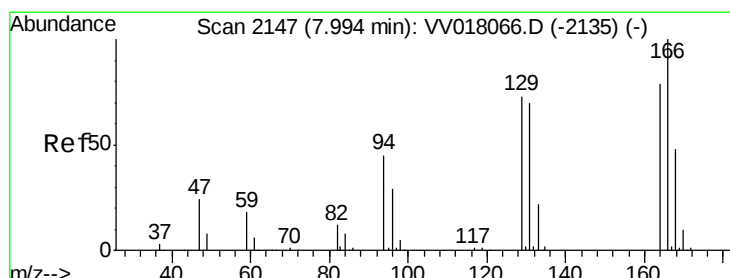
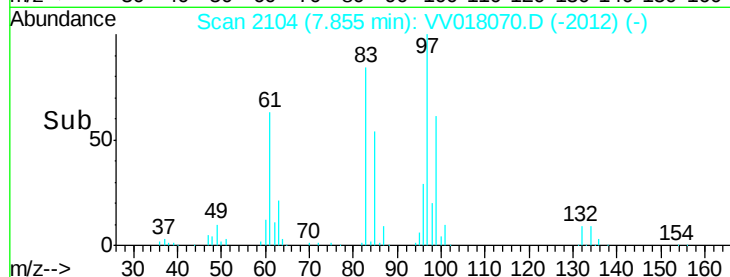
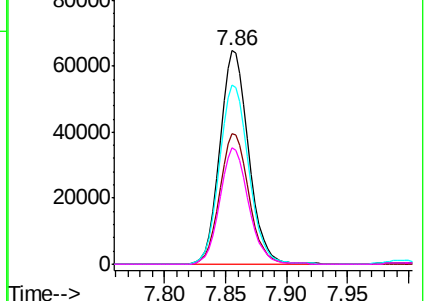


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 52.723 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Tgt Ion: 164 Resp: 88227

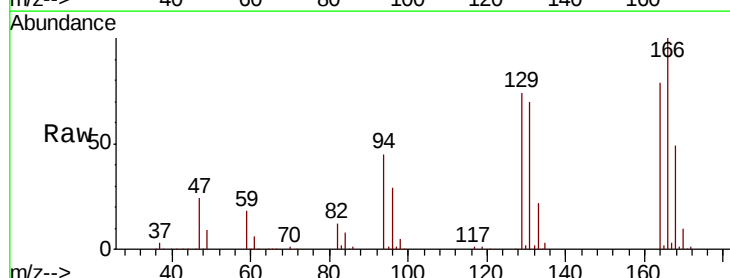
Ion Ratio Lower Upper

164 100

129 93.3 64.8 120.3

131 89.2 64.5 119.9

166 126.8 88.9 165.1

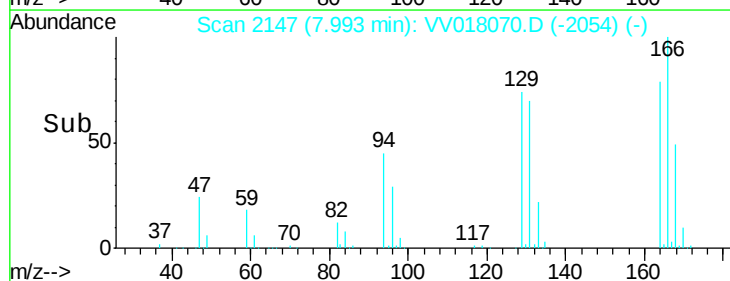
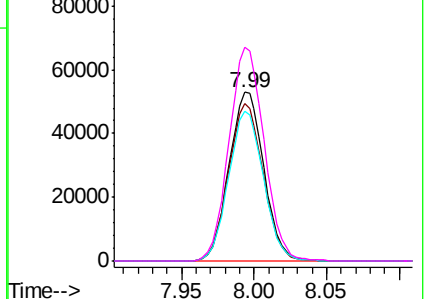


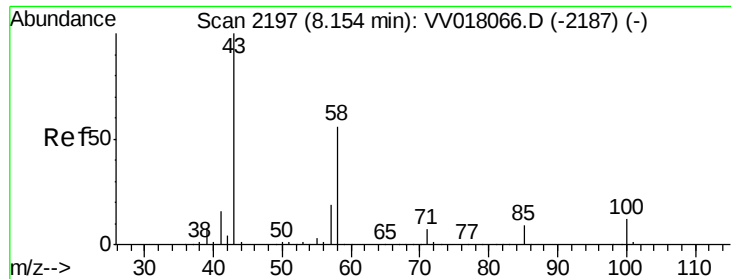
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

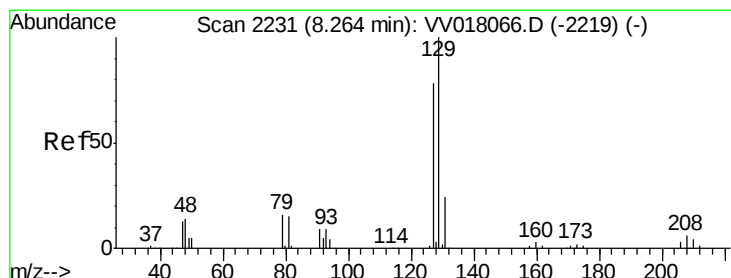
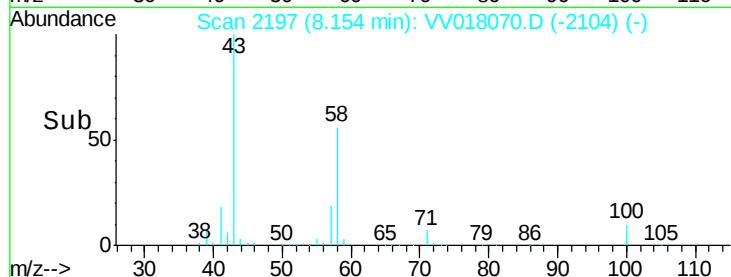
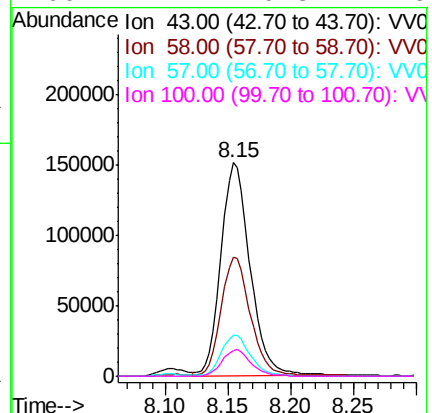
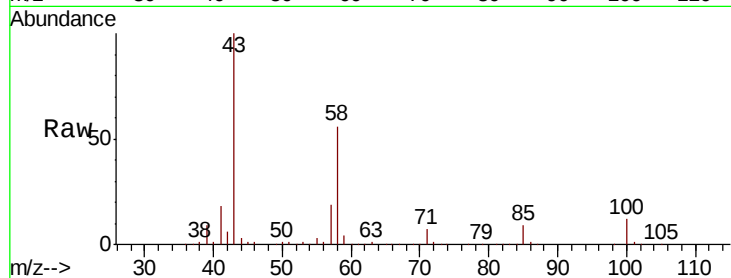




#48
2-Hexanone
Concen: 98.347 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

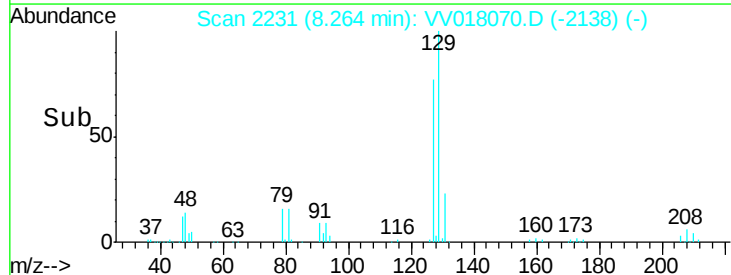
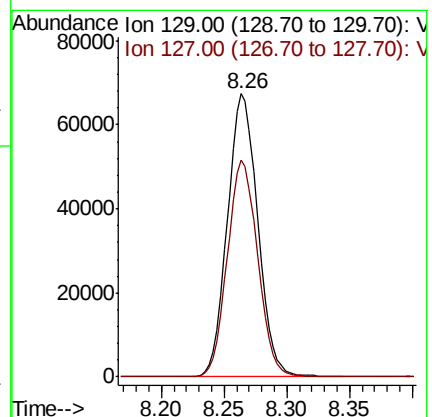
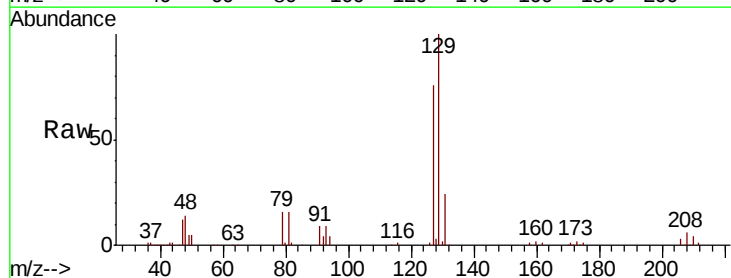
Instrument :
MSVOA_V
ClientSampled :

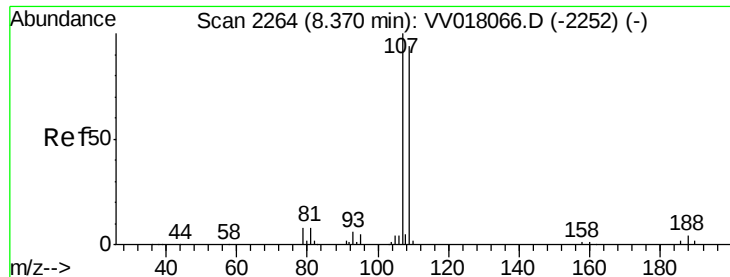
Tot Ion: 43 Resp: 244056
Ion Ratio Lower Upper
43 100
58 56.8 44.4 66.6
57 19.1 15.2 22.8
100 12.4 9.8 14.6



#49
Dibromochloromethane
Concen: 53.165 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

Tgt Ion: 129 Resp: 113133
Ion Ratio Lower Upper
129 100
127 76.5 54.9 101.9

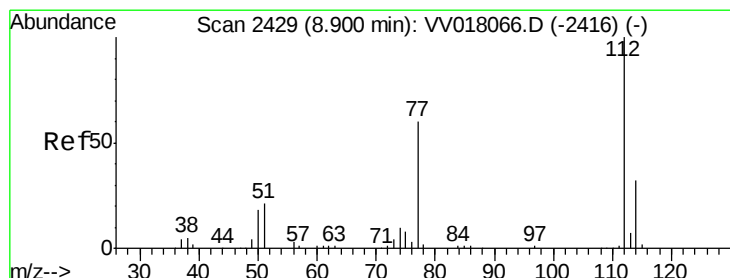
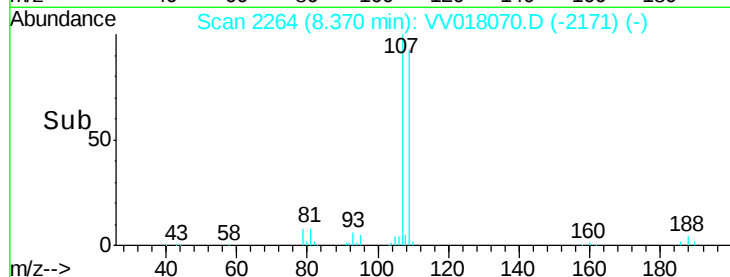
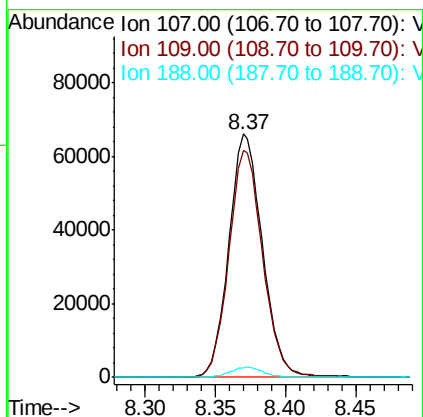
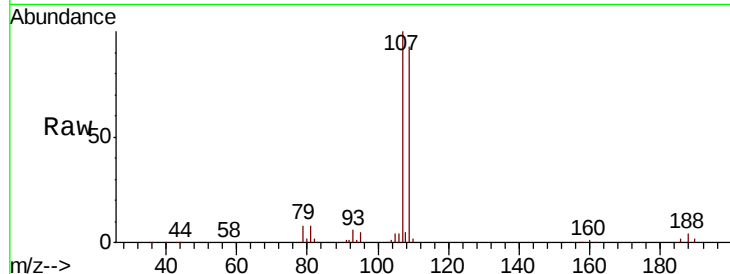




#50
 1,2-Dibromoethane
 Concen: 48.837 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

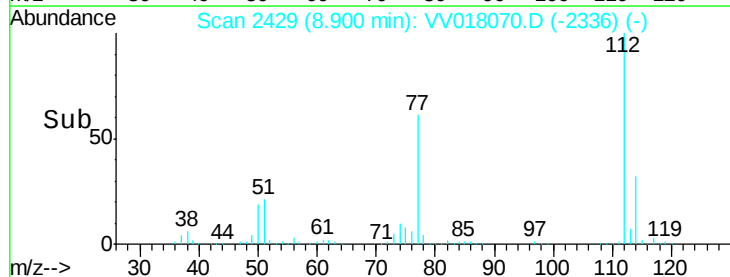
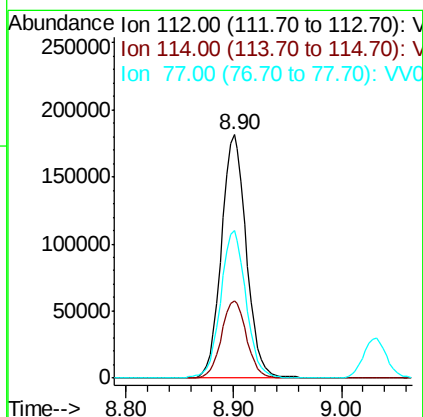
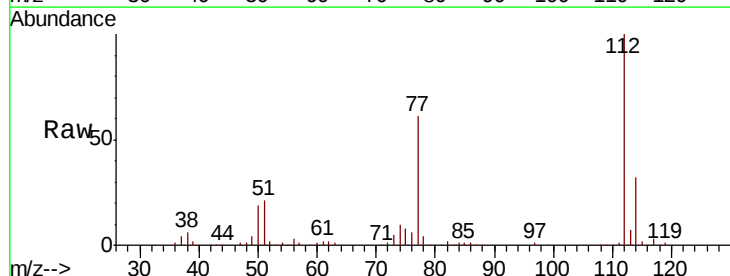
Instrument :
 MSVOA_V
 ClientSampleId :

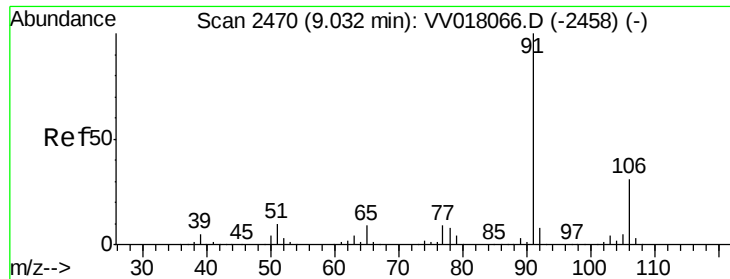
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	67.5	125.4
188	4.1	3.4	5.0



#51
 Chlorobenzene
 Concen: 50.278 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.7	42.3
77	60.7	49.4	74.2





#52

Ethylbenzene

Concen: 51.500 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

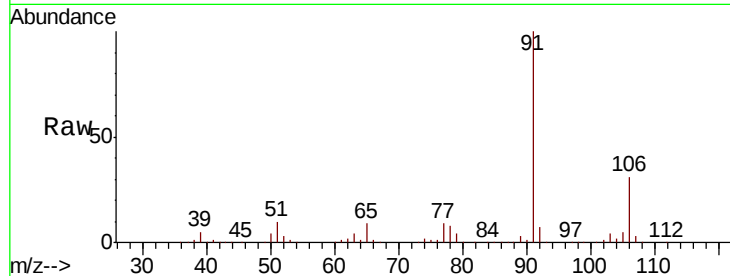
ClientSampleId :

Tot Ion: 91 Resp: 505802

Ion Ratio Lower Upper

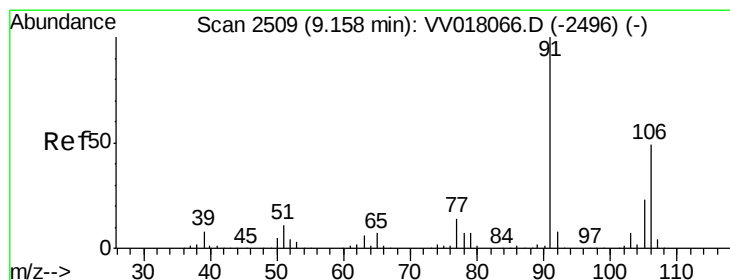
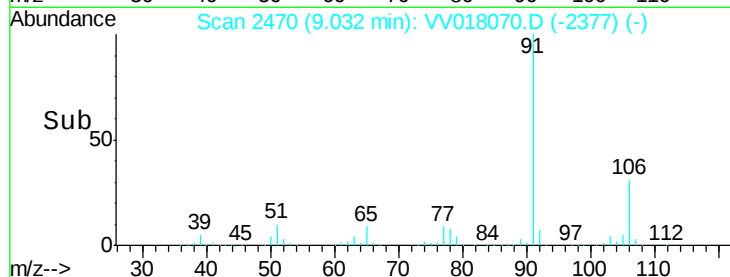
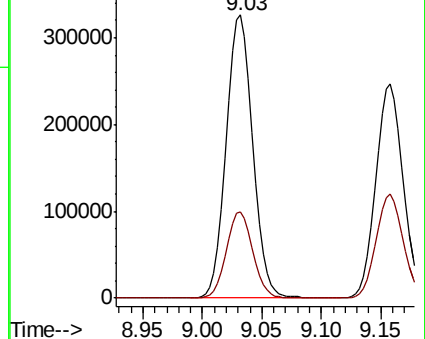
91 100

106 30.7 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018070.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018070.D (-2377) (-)



#53

m,p-Xylene

Concen: 53.002 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018070.D

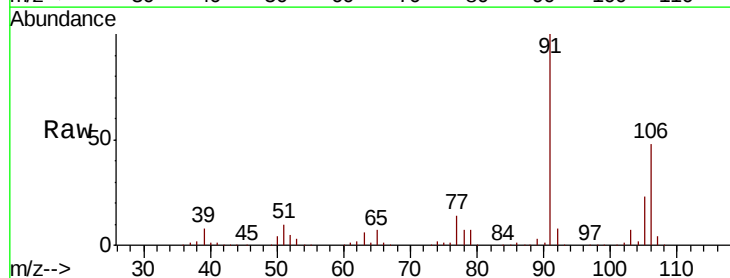
Acq: 20 Aug 2020 16:59

Tgt Ion: 106 Resp: 191458

Ion Ratio Lower Upper

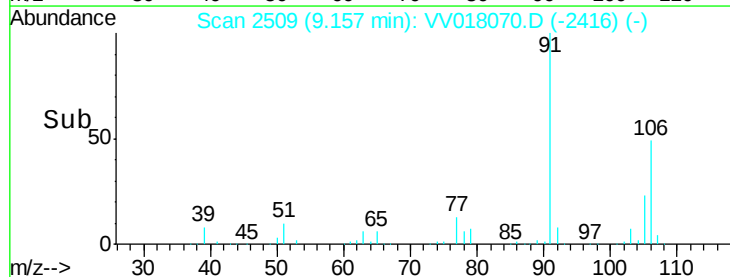
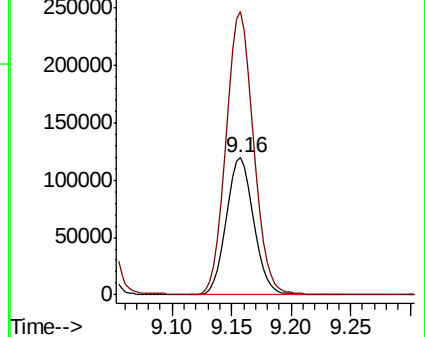
106 100

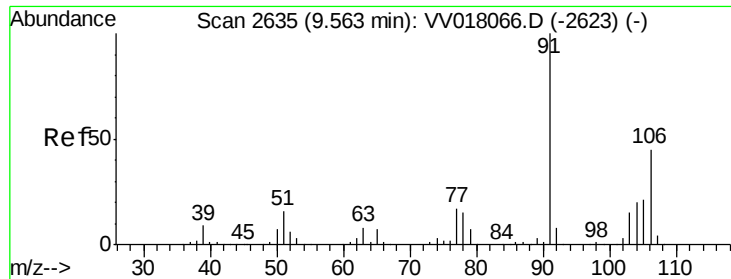
91 206.3 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018070.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018070.D (-2416) (-)

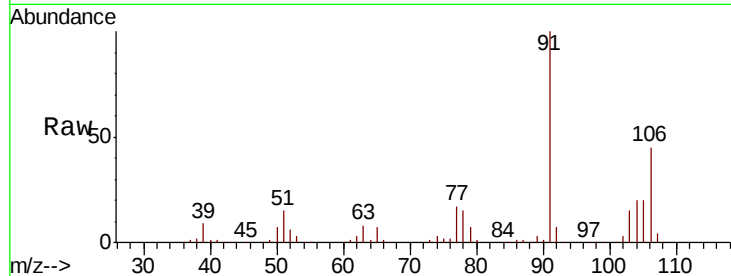




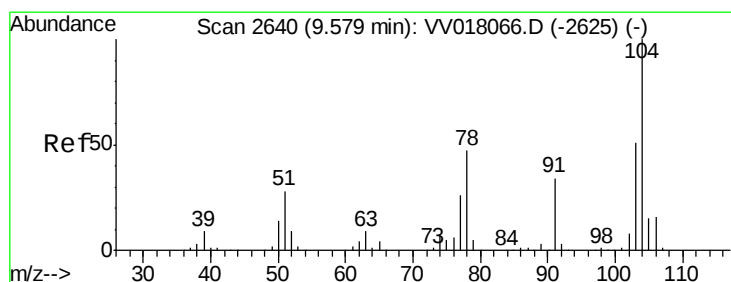
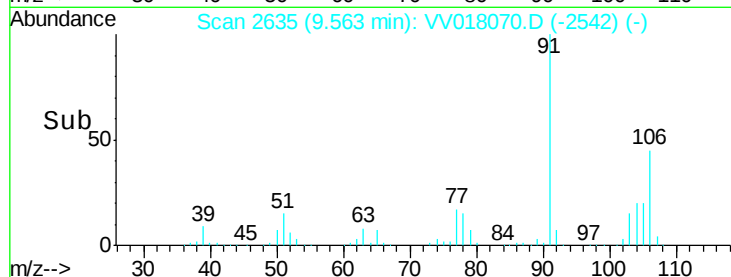
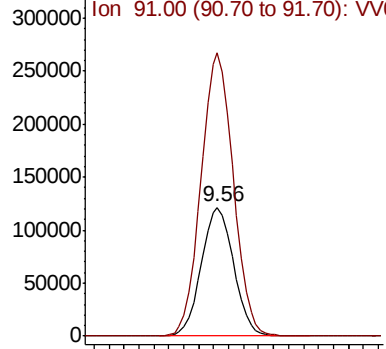
#54
o-xylene
Concen: 51.230 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 182880
Ion Ratio Lower Upper
106 100
91 220.0 156.0 289.8

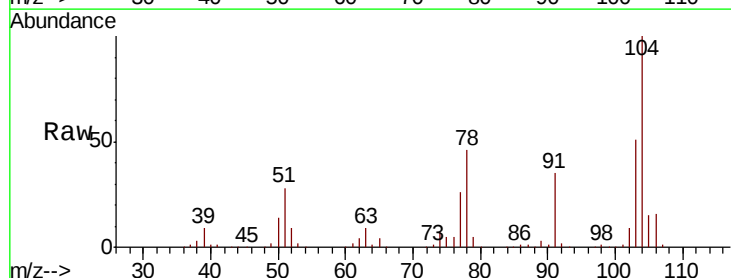


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

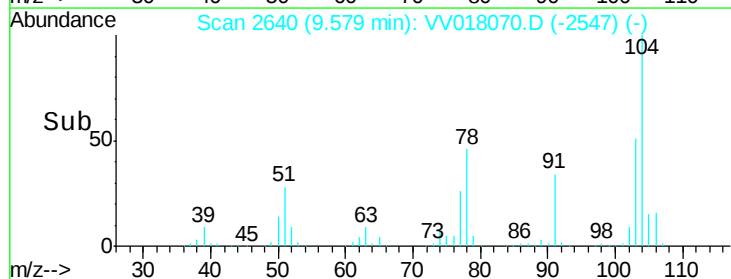
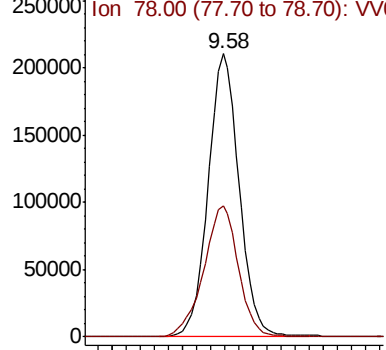


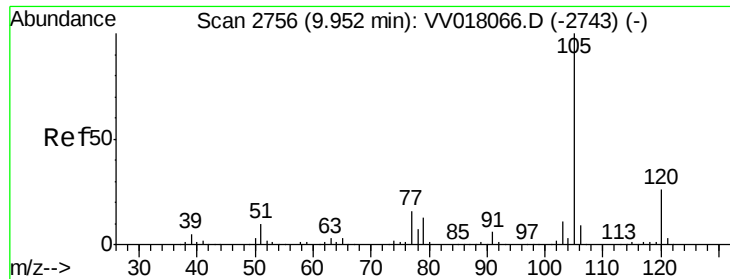
#55
Styrene
Concen: 53.044 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018070.D
Acq: 20 Aug 2020 16:59

Tgt Ion:104 Resp: 324270
Ion Ratio Lower Upper
104 100
78 46.4 32.2 59.8



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





#56

Isopropylbenzene

Concen: 53.300 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

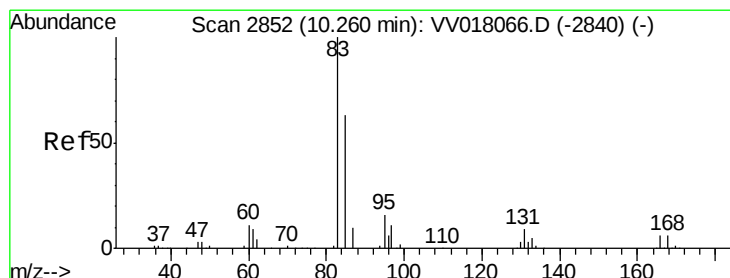
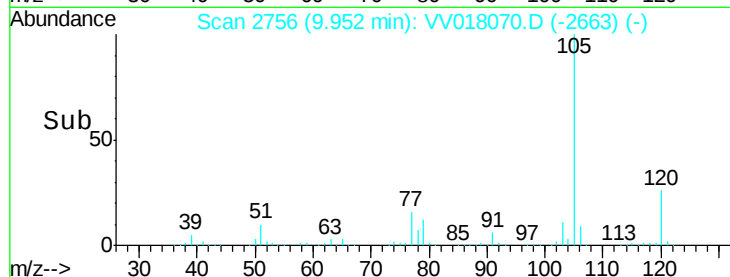
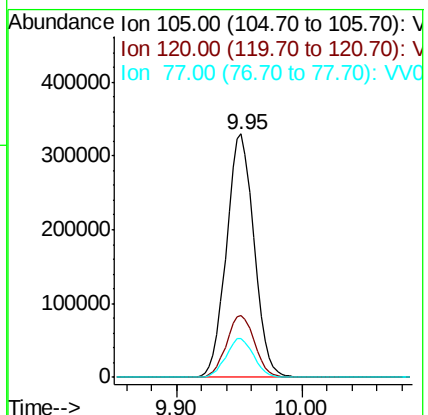
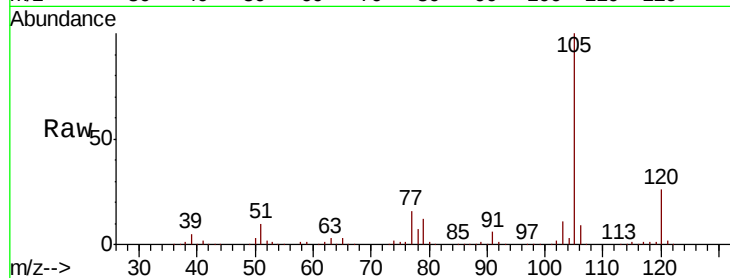
Tot Ion:105 Resp: 501951

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

77 16.0 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 47.284 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

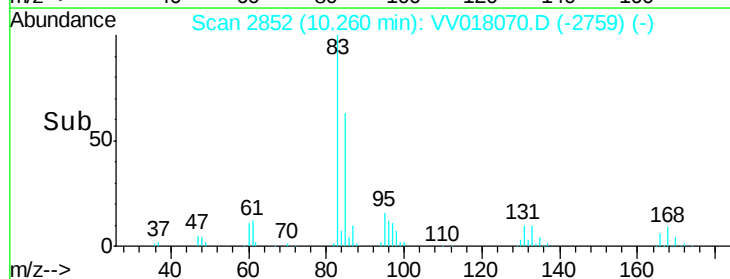
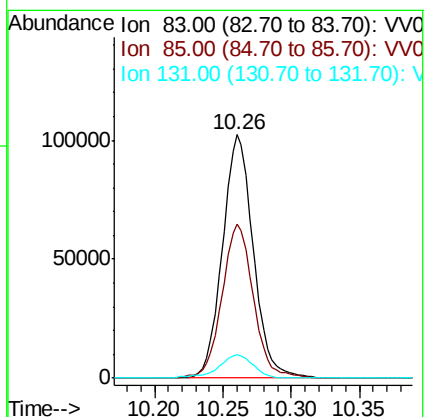
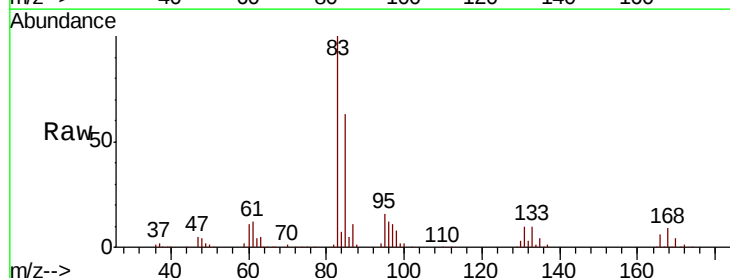
Tgt Ion: 83 Resp: 160521

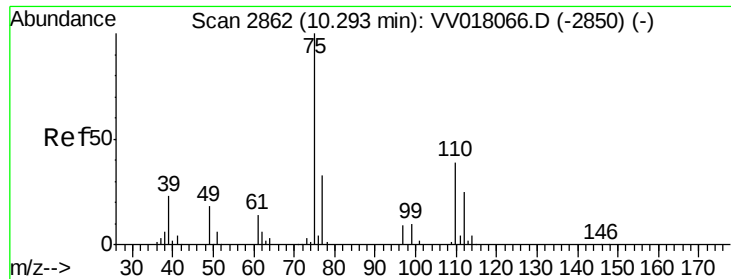
Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.7

131 9.9 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 47.067 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

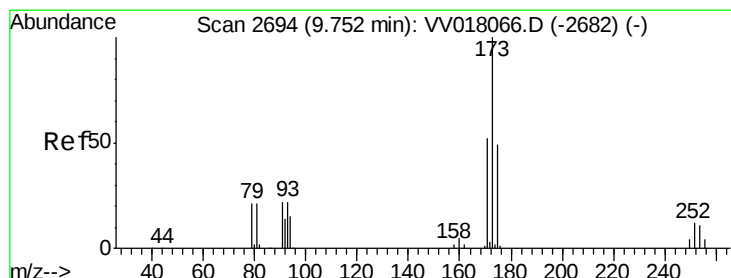
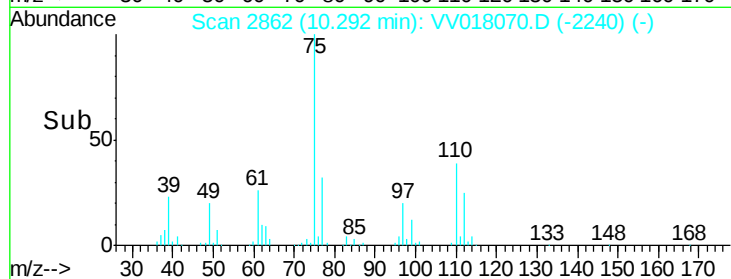
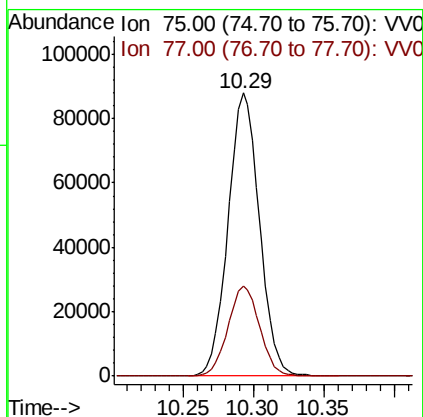
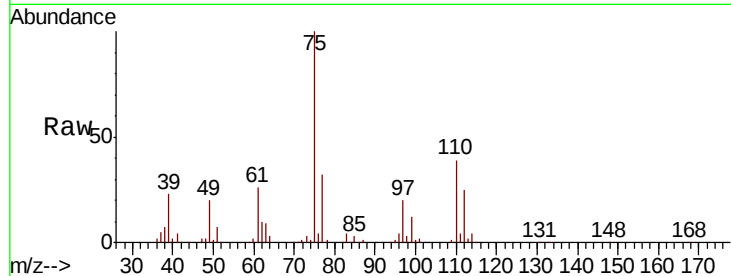
ClientSampleId :

Tot Ion: 75 Resp: 136841

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 53.207 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

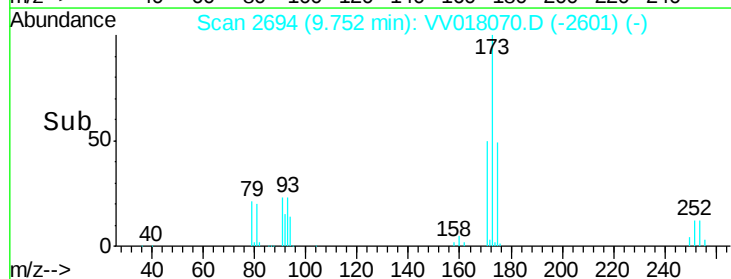
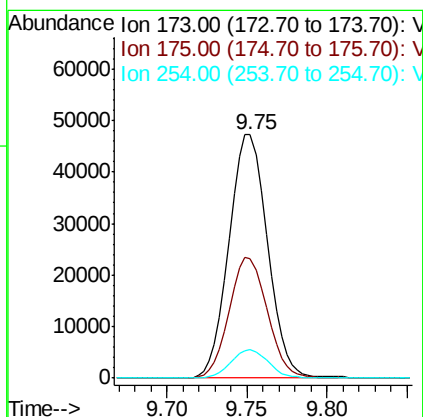
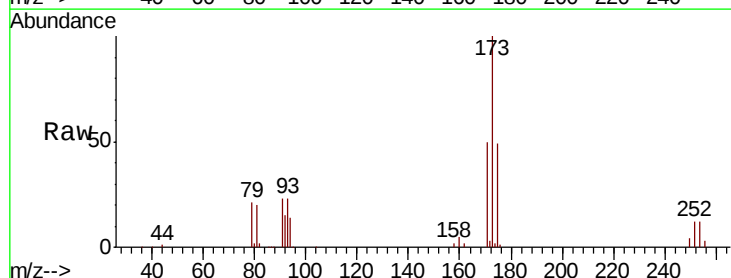
Tgt Ion: 173 Resp: 77926

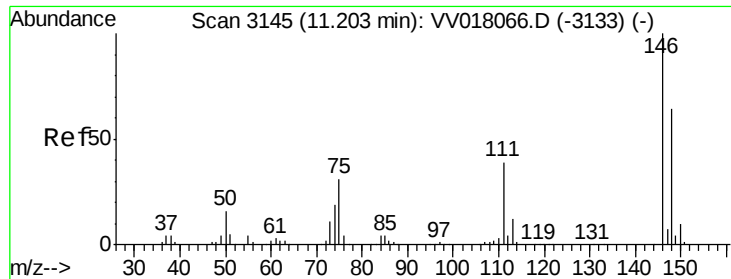
Ion Ratio Lower Upper

173 100

175 48.9 38.6 57.8

254 11.3 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 49.807 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

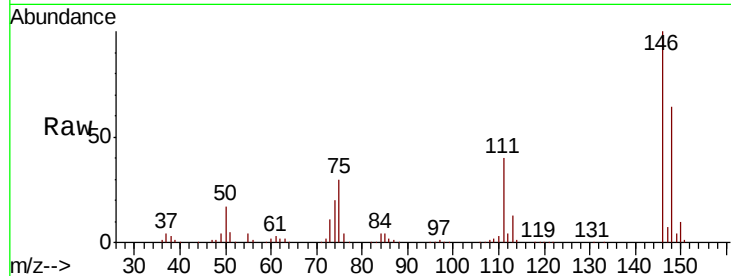
Tot Ion:146 Resp: 245156

Ion Ratio Lower Upper

146 100

111 40.3 28.8 53.4

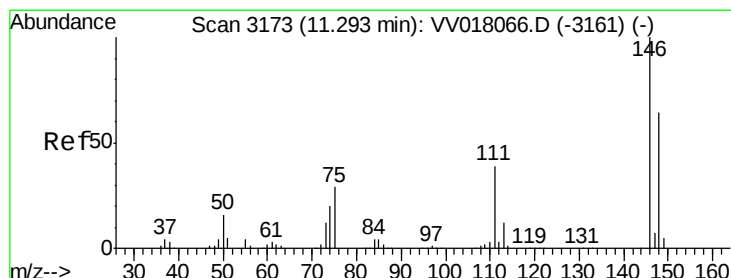
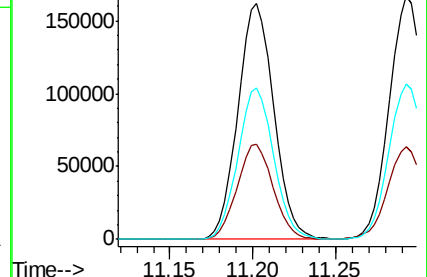
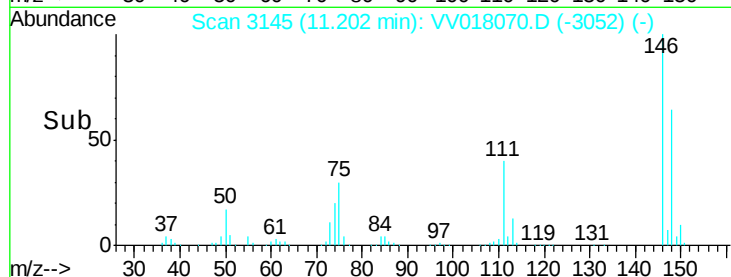
148 64.3 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 49.448 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

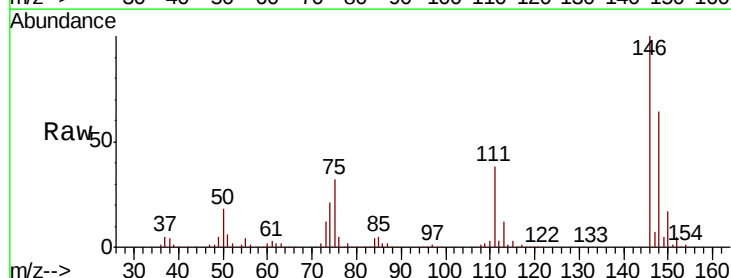
Tgt Ion:146 Resp: 250027

Ion Ratio Lower Upper

146 100

111 37.9 28.0 52.0

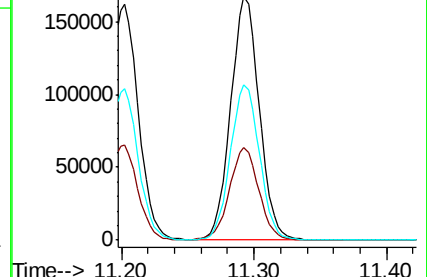
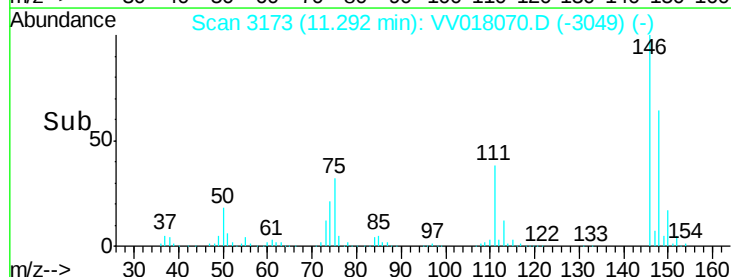
148 64.0 44.2 82.2

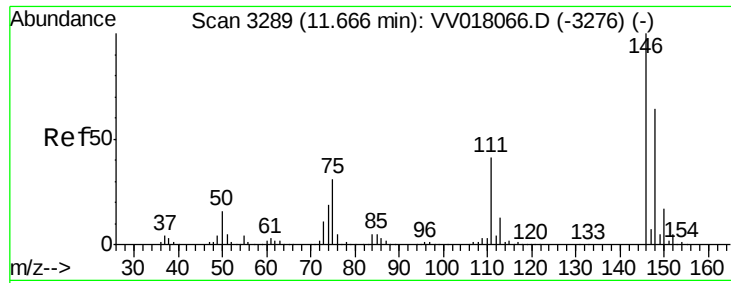


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.221 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

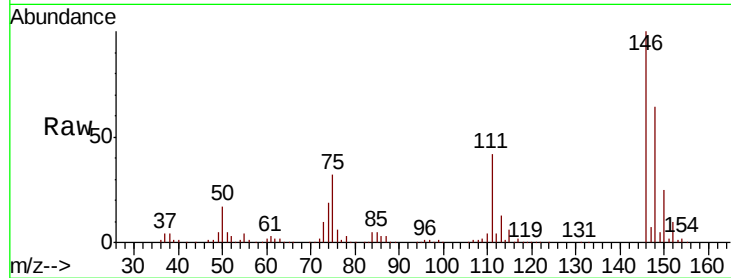
Tot Ion:146 Resp: 244295

Ion Ratio Lower Upper

146 100

111 42.0 34.2 51.4

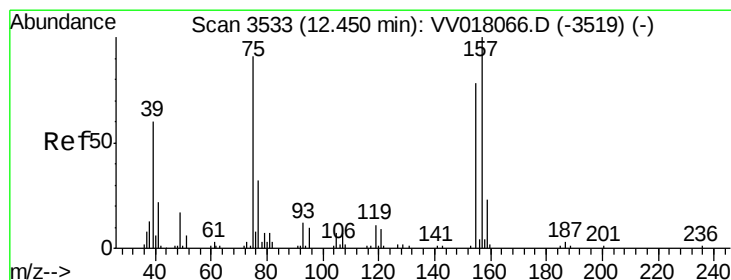
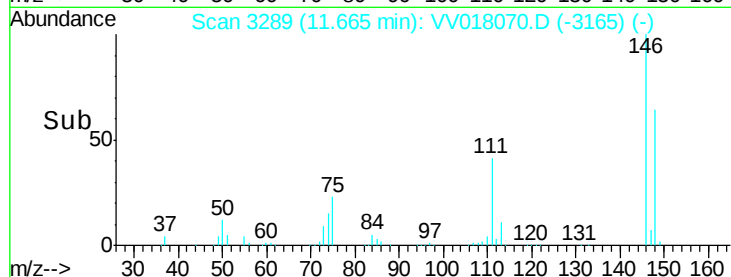
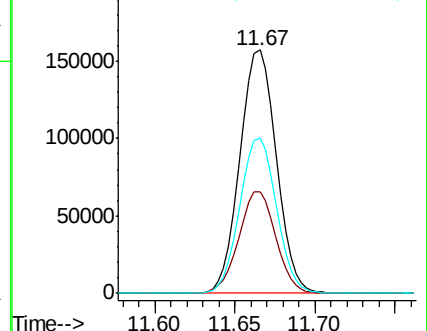
148 64.0 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 45.253 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

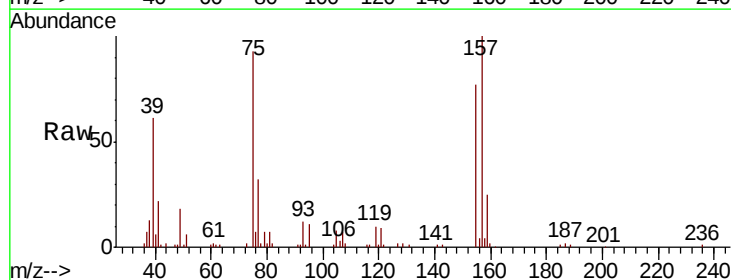
Tgt Ion: 75 Resp: 33779

Ion Ratio Lower Upper

75 100

155 82.6 67.6 101.4

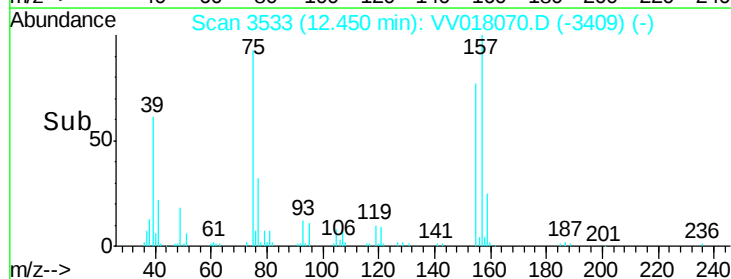
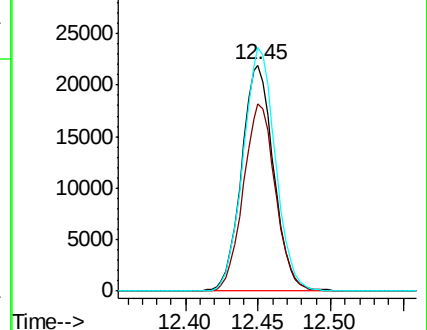
157 107.7 84.3 126.5

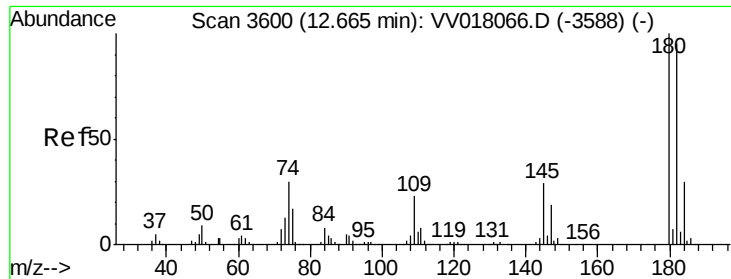


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

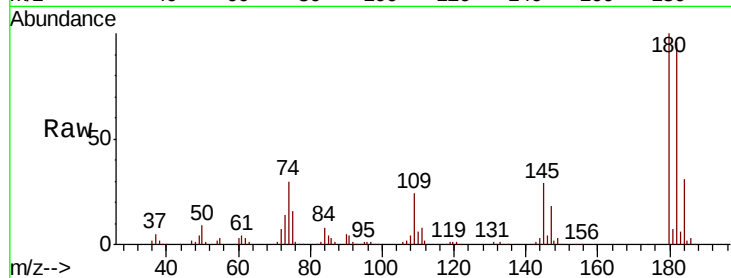




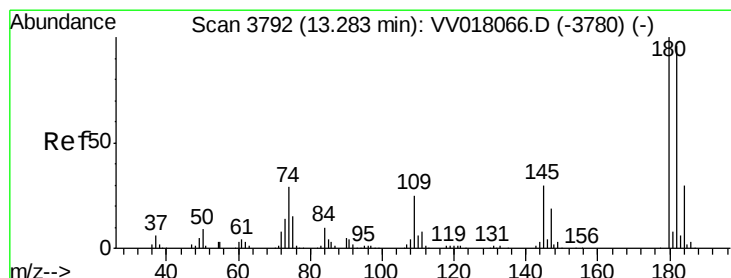
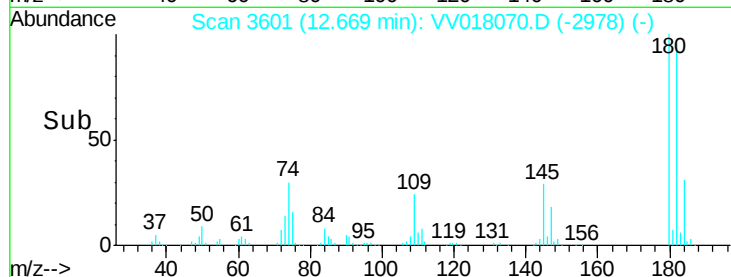
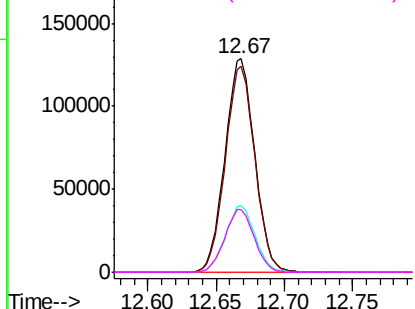
#67
 1,3,5-Trichlorobenzene
 Concen: 52.195 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	195162
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.2 115.8
184	31.0	24.6 36.8
145	29.0	23.5 35.3

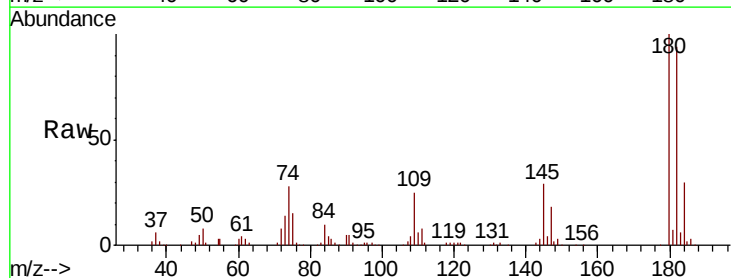


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

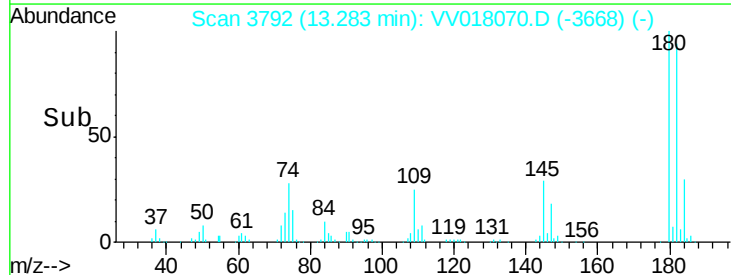
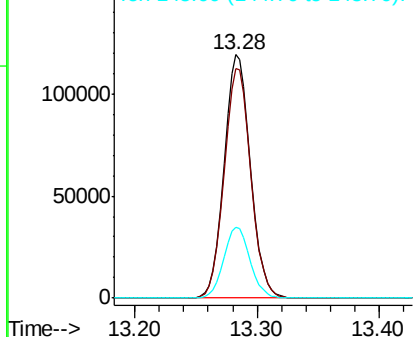


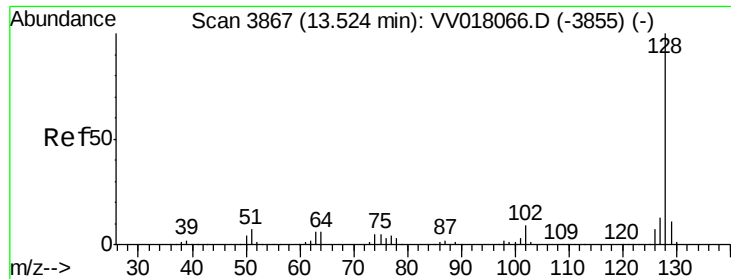
#68
 1,2,4-trichlorobenzene
 Concen: 54.966 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018070.D
 Acq: 20 Aug 2020 16:59

Tgt Ion:180	Resp:	180693
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.4 114.6
145	29.1	24.0 36.0



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





#69

Naphthalene

Concen: 51.423 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

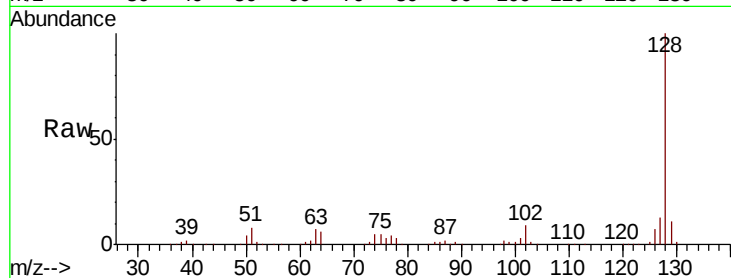
Tot Ion:128 Resp: 465933

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

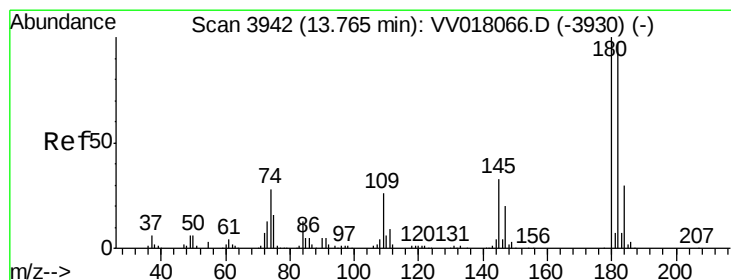
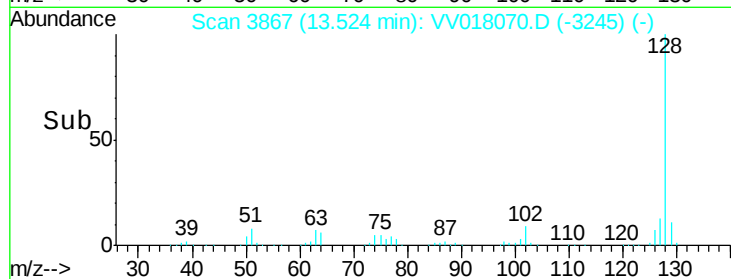
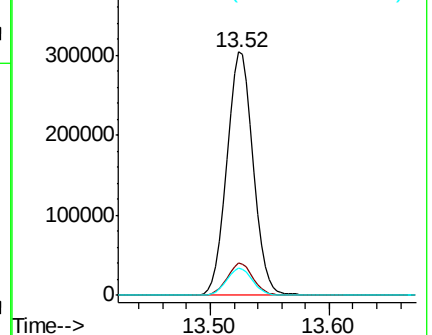
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.074 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018070.D

Acq: 20 Aug 2020 16:59

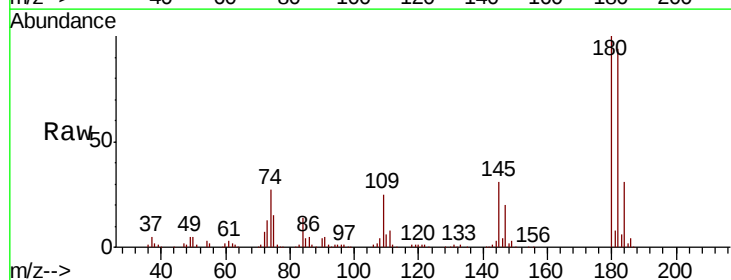
Tgt Ion:180 Resp: 180774

Ion Ratio Lower Upper

180 100

182 94.3 76.5 114.7

145 31.6 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

