

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019262.D
 Acq On : 04 Nov 2020 23:33
 Operator : SY/MD
 Sample : L4485-20
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 05:06:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	246607	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	238900	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	121185	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78186	41.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.16%
7) Chloroethane-d5	1.58	69	68409	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.74%
11) 1,1-Dichloroethene-d2	2.12	63	128759	36.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.08%
21) 2-Butanone-d5	3.91	46	112396	107.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.10%
24) Chloroform-d	4.37	84	161815	45.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.86%
26) 1,2-Dichloroethane-d4	5.05	65	117853	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
32) Benzene-d6	5.07	84	303669	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.06%
36) 1,2-Dichloropropane-d6	6.09	67	93371	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.82%
41) Toluene-d8	7.34	98	272954	44.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.84%
43) trans-1,3-Dichloropropene-	7.64	79	49018	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.92%
47) 2-Hexanone-d5	8.11	63	70371	92.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.03%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	117026	44.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.18%
66) 1,2-Dichlorobenzene-d4	11.65	152	117119	48.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3763	2.491 ug/L	99
3) Chloromethane	1.25	50	3796	2.413 ug/L	94
5) Vinyl chloride	1.32	62	4375	2.672 ug/L #	74
6) Bromomethane	1.53	94	2880	2.617 ug/L	94
8) Chloroethane	1.60	64	2841	2.653 ug/L	92
9) Trichlorofluoromethane	1.77	101	7124	2.628 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4383	3.403 ug/L #	83
12) 1,1-Dichloroethene	2.13	96	4189	3.147 ug/L #	1
13) Acetone	2.19	43	3758	4.709 ug/L	88
14) Carbon disulfide	2.31	76	9183	2.402 ug/L	98
15) Methyl Acetate	2.45	43	3560	2.302 ug/L	91
16) Methylene chloride	2.53	84	4071	2.572 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	3488	2.415 ug/L	97
18) Methyl tert-butyl Ether	2.78	73	11602	2.285 ug/L	98
19) 1,1-Dichloroethane	3.21	63	6965	2.461 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	3975	2.491 ug/L	96
23) Bromochloromethane	4.28	128	840	0.956 ug/L #	88

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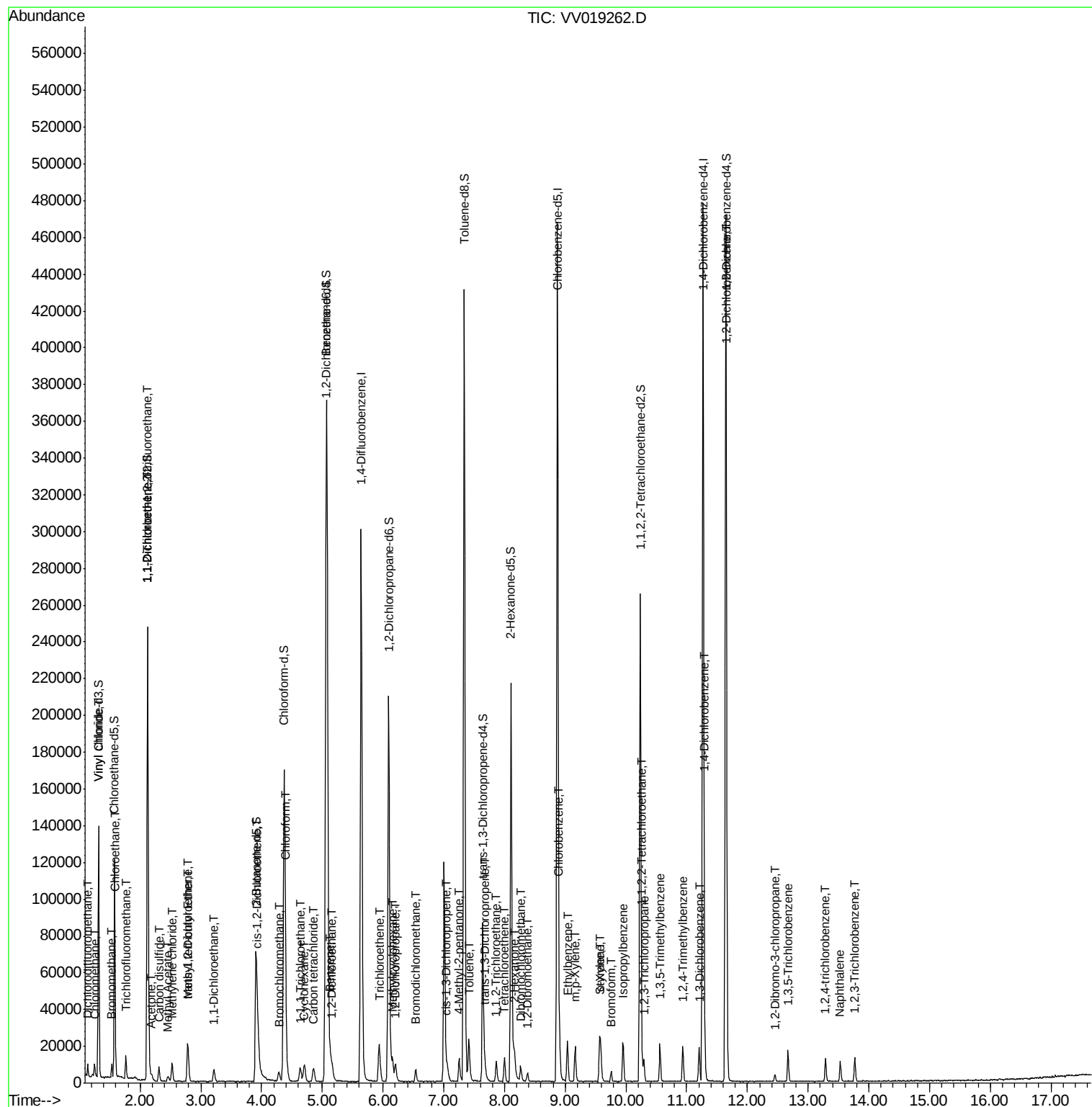
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	8807	2.903	ug/L	88
27) 1,2-Dichloroethane	5.17	62	5457	2.116	ug/L	99
29) Cyclohexane	4.70	56	5064	2.477	ug/L	93
30) 1,1,1-Trichloroethane	4.64	97	6599	2.382	ug/L	97
31) Carbon tetrachloride	4.86	117	5636	2.356	ug/L	100
33) Benzene	5.13	78	14040	2.365	ug/L	100
34) Trichloroethene	5.94	95	3887	2.409	ug/L	99
35) Methylcyclohexane	6.15	83	4993	2.557	ug/L	95
37) 1,2-Dichloropropane	6.21	63	4022	2.538	ug/L #	91
38) Bromodichloromethane	6.54	83	5103	2.238	ug/L #	94
39) cis-1,3-Dichloropropene	7.05	75	5562	2.194	ug/L	92
40) 4-Methyl-2-pentanone	7.25	43	8768	4.119	ug/L	98
42) Toluene	7.41	91	16705	2.603	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	5577	2.147	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	3750	2.394	ug/L	95
46) Tetrachloroethene	8.00	164	3077	2.337	ug/L	87
48) 2-Hexanone	8.16	43	9383	5.831	ug/L	96
49) Dibromochloromethane	8.27	129	4151	2.222	ug/L	93
50) 1,2-Dibromoethane	8.38	107	3610	2.224	ug/L #	97
51) Chlorobenzene	8.90	112	10460	2.437	ug/L	96
52) Ethylbenzene	9.04	91	15782	2.229	ug/L	97
53) m,p-Xylene	9.16	106	5815	2.194	ug/L	90
54) o-Xylene	9.56	106	5504	2.107	ug/L	95
55) Styrene	9.59	104	9093	1.955	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.26	83	5533	2.335	ug/L #	99
59) Bromoform	9.76	173	2709	2.014	ug/L	98
60) Isopropylbenzene	9.95	105	14123	2.224	ug/L	96
61) 1,2,3-Trichloropropane	10.30	75	4699	2.496	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	10644	2.012	ug/L	96
63) 1,2,4-Trimethylbenzene	10.94	105	10218	1.974	ug/L	97
64) 1,3-Dichlorobenzene	11.21	146	7610	2.291	ug/L	98
65) 1,4-Dichlorobenzene	11.30	146	8588	2.499	ug/L	96
67) 1,2-Dichlorobenzene	11.66	146	8744	2.573	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.46	75	1158	2.108	ug/L	88
69) 1,3,5-Trichlorobenzene	12.67	180	5513	2.312	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	4263	1.900	ug/L	96
71) Naphthalene	13.53	128	9332	1.475	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	4517	2.031	ug/L	94

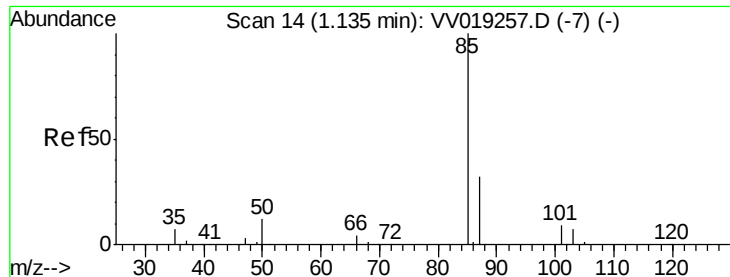
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.491 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

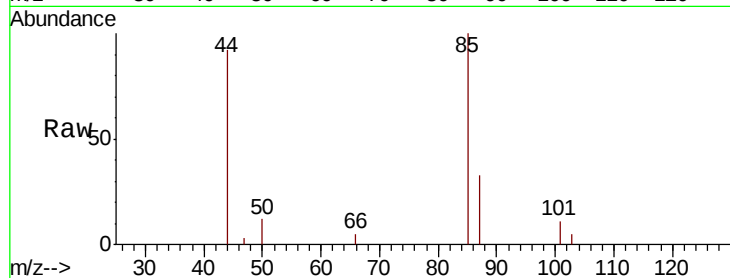
ClientSampleId :

Tot Ion: 85 Resp: 3763

Ion Ratio Lower Upper

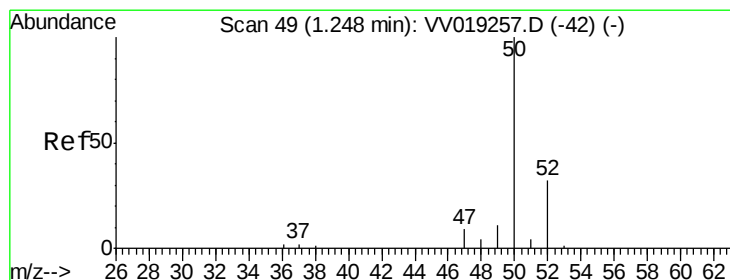
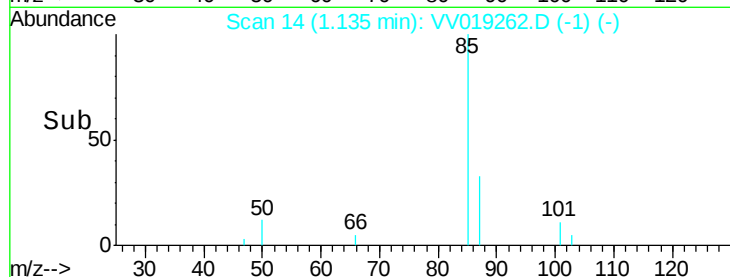
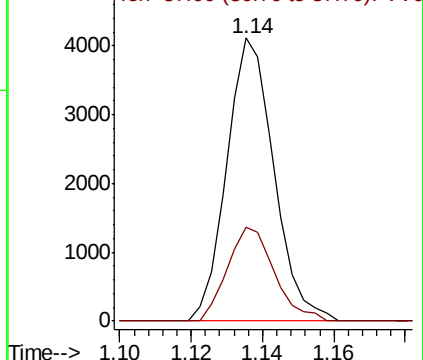
85 100

87 33.0 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: 2.413 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019262.D

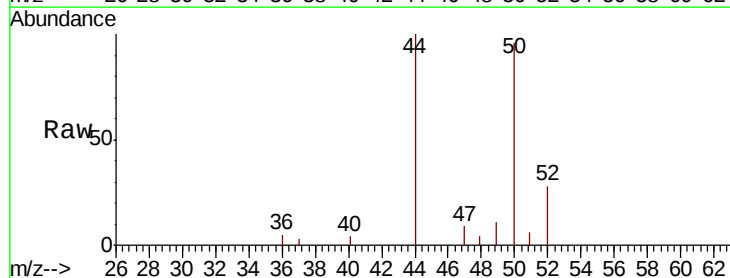
Acq: 04 Nov 2020 23:33

Tgt Ion: 50 Resp: 3796

Ion Ratio Lower Upper

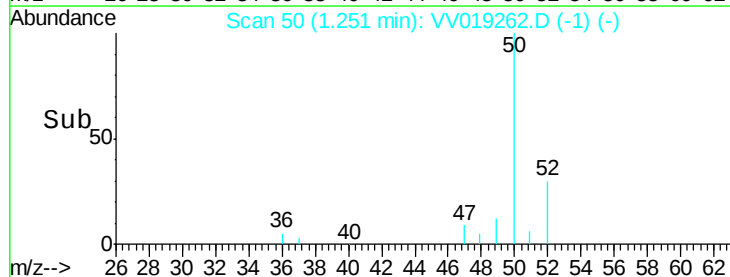
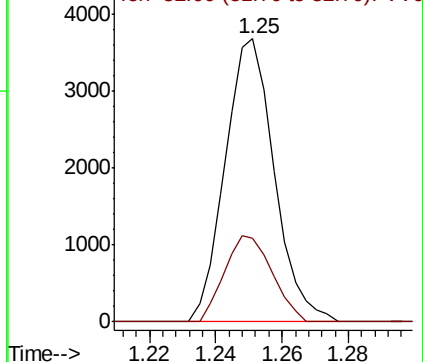
50 100

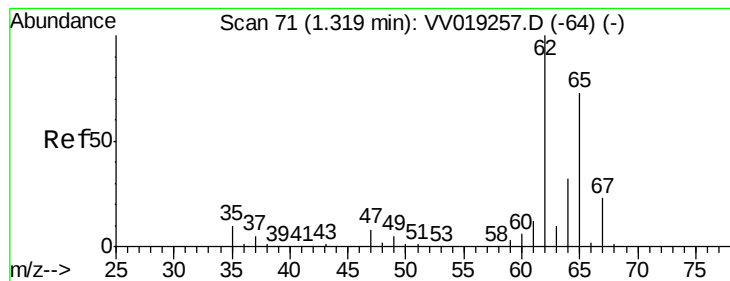
52 29.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.672 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

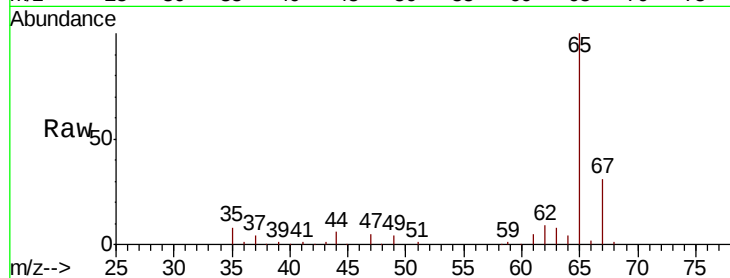
ClientSampled :

Tot Ion: 62 Resp: 4375

Ion Ratio Lower Upper

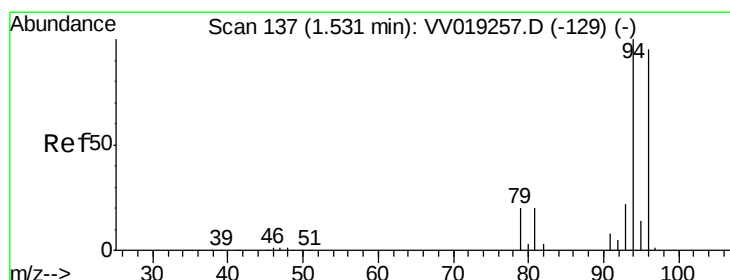
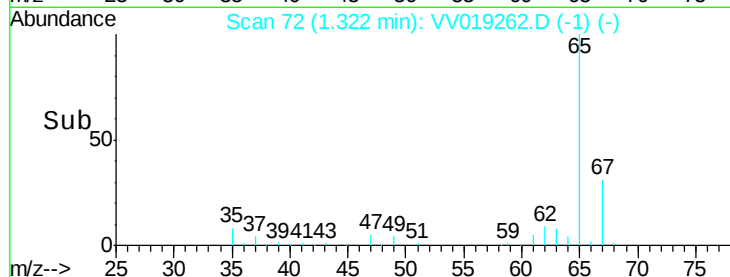
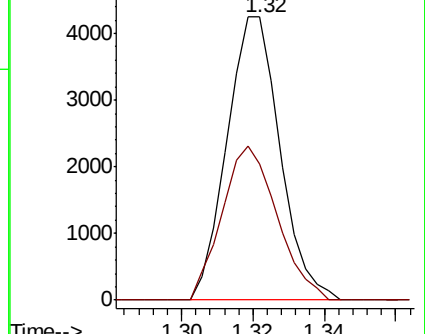
62 100

64 48.1 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.617 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019262.D

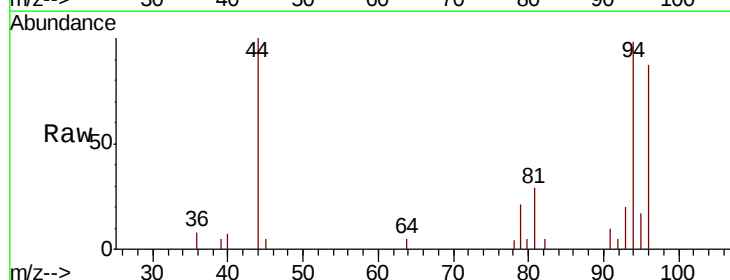
Acq: 04 Nov 2020 23:33

Tgt Ion: 94 Resp: 2880

Ion Ratio Lower Upper

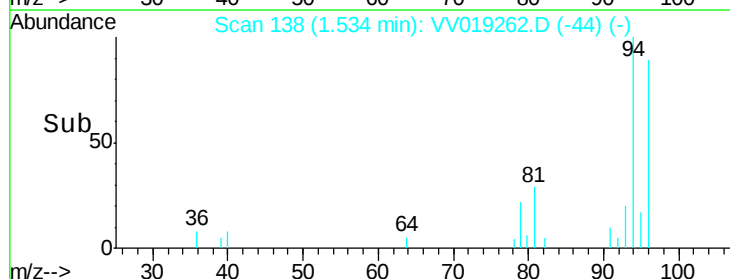
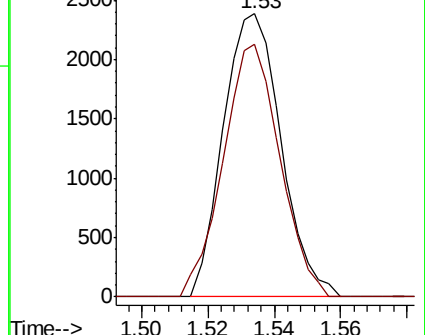
94 100

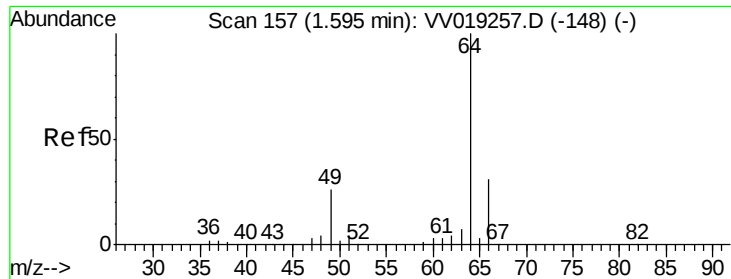
96 89.3 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.653 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

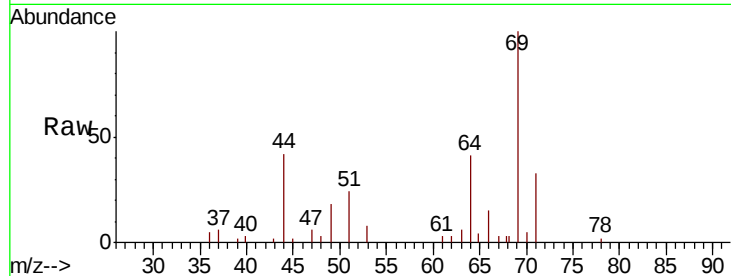
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 2841

Ion Ratio Lower Upper

64 100

66 36.5 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019262.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV019262.D (-33) (-)

1.60

2500

2000

1500

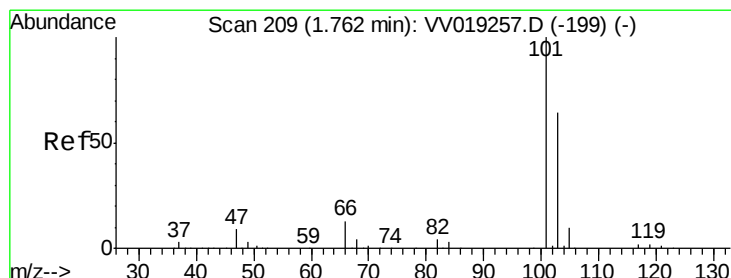
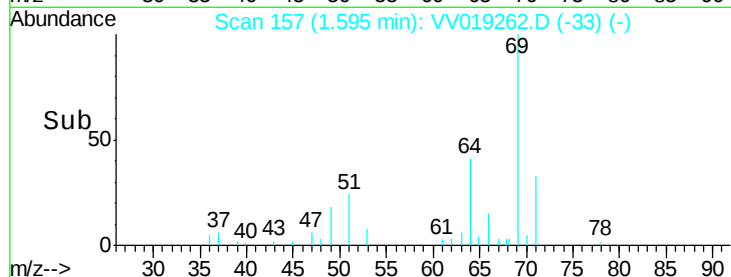
1000

500

0

1.56 1.58 1.60 1.62

Time-->



#9

Trichlorofluoromethane

Concen: 2.628 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019262.D

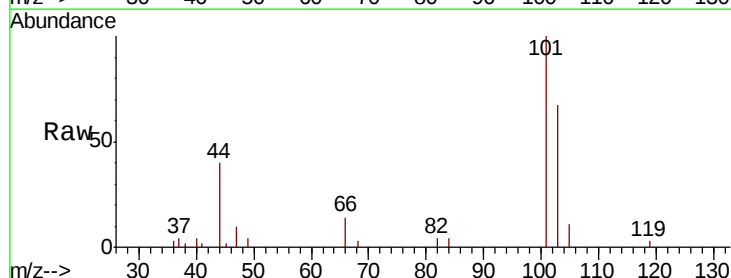
Acq: 04 Nov 2020 23:33

Tgt Ion: 101 Resp: 7124

Ion Ratio Lower Upper

101 100

103 64.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV019262.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV019262.D (-85) (-)

1.77

6000

5000

4000

3000

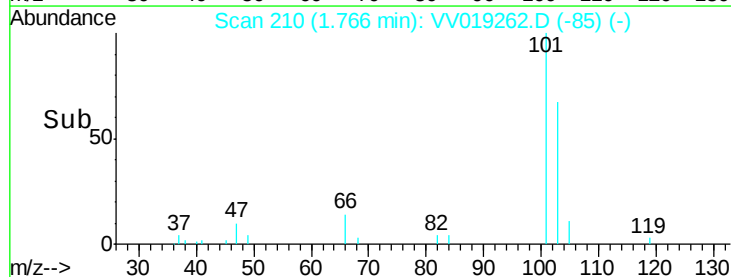
2000

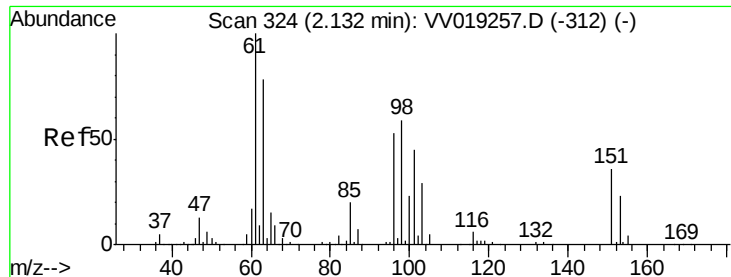
1000

0

1.75 1.80

Time-->





#10

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

Concen: 3.403 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

ClientSampleId :

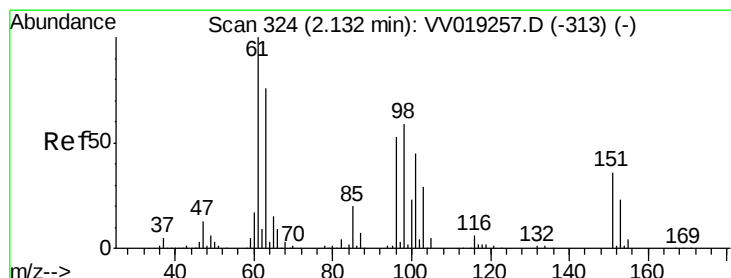
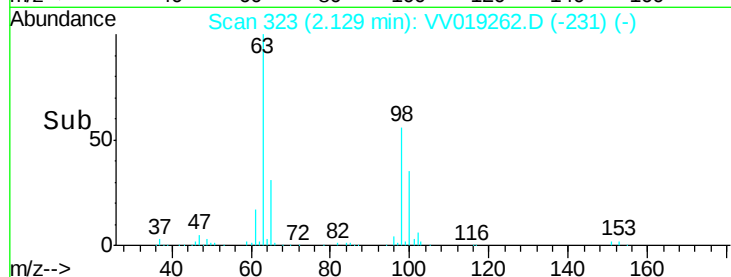
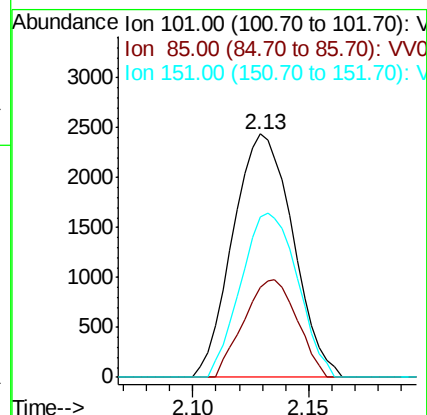
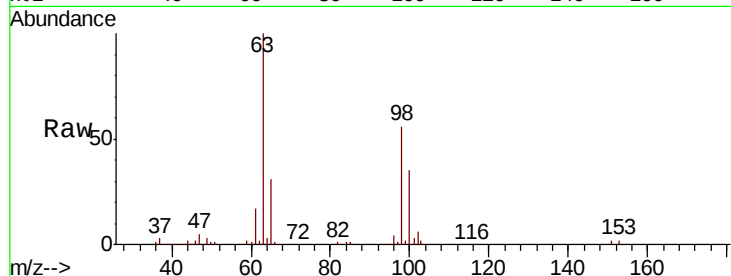
Tot Ion:101 Resp: 4383

Ion Ratio Lower Upper

101 100

85 35.5 35.6 53.4#

151 63.9 64.1 96.1#



#12

1,1-Dichloroethene

Concen: 3.147 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

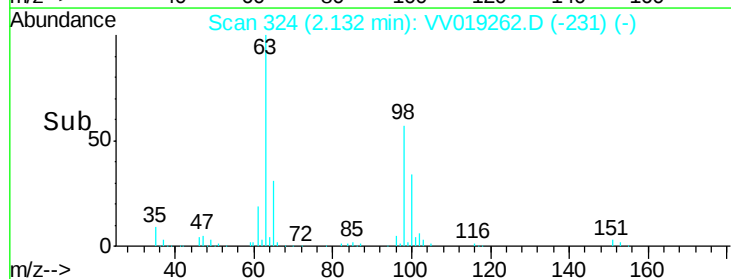
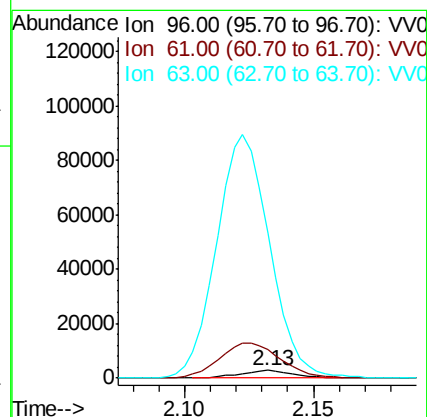
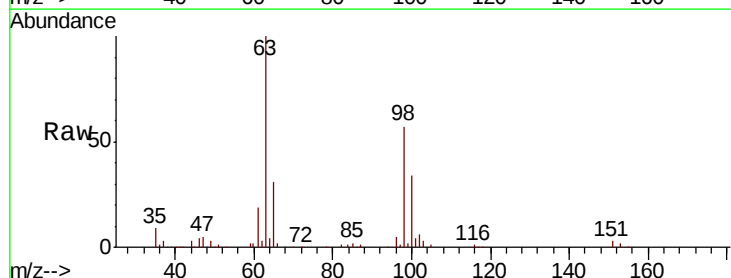
Tgt Ion: 96 Resp: 4189

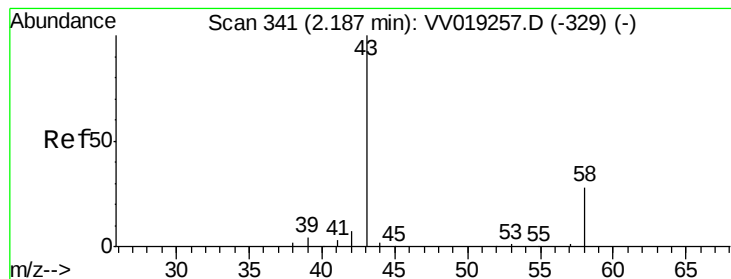
Ion Ratio Lower Upper

96 100

61 376.6 133.6 248.0#

63 1933.9 103.0 191.2#





#13

Acetone

Concen: 4.709 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

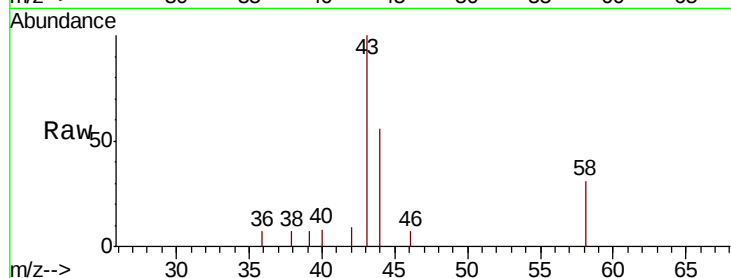
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 3758

Ion Ratio Lower Upper

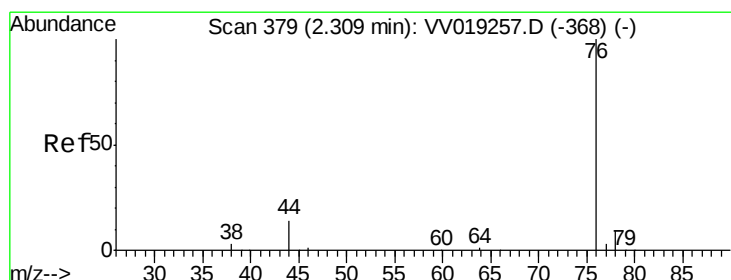
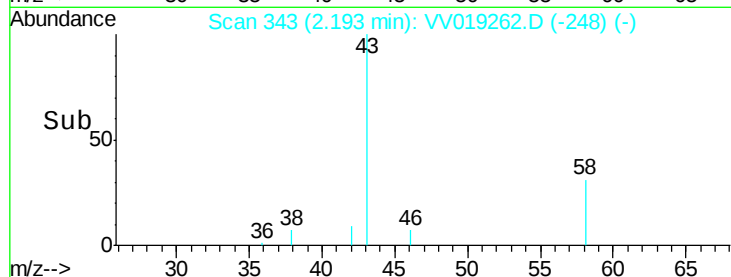
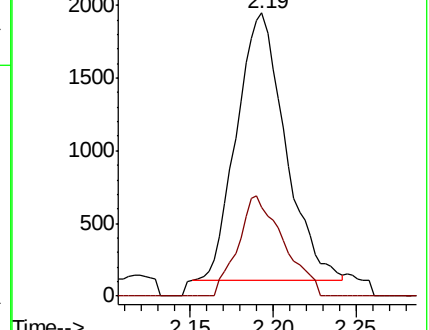
43 100

58 35.2 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019257.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019257.D (-329) (-)



#14

Carbon disulfide

Concen: 2.402 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019262.D

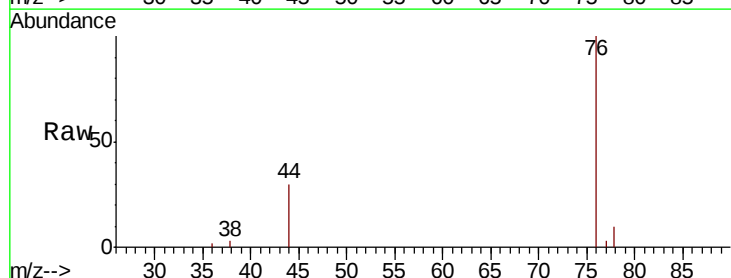
Acq: 04 Nov 2020 23:33

Tgt Ion: 76 Resp: 9183

Ion Ratio Lower Upper

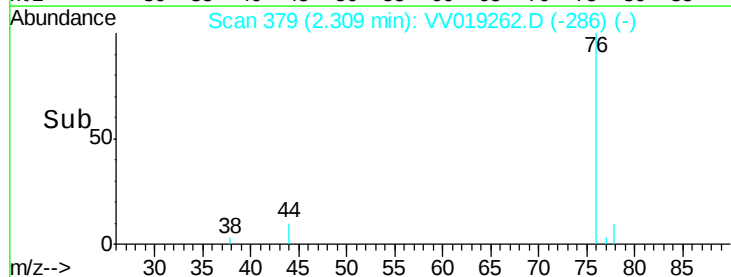
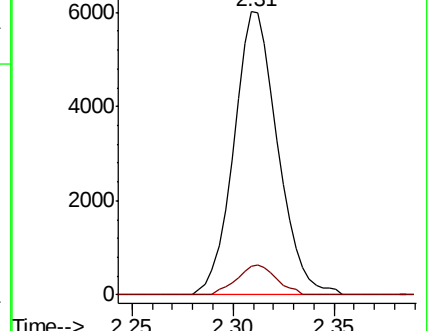
76 100

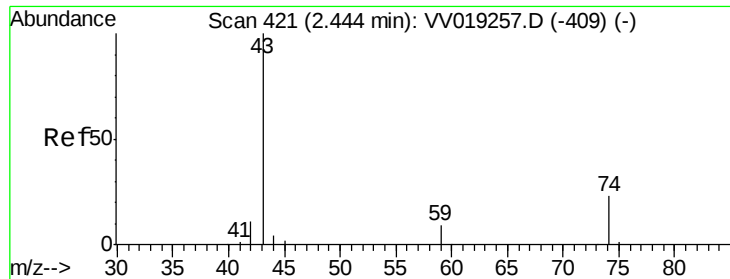
78 10.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019257.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019257.D (-368) (-)

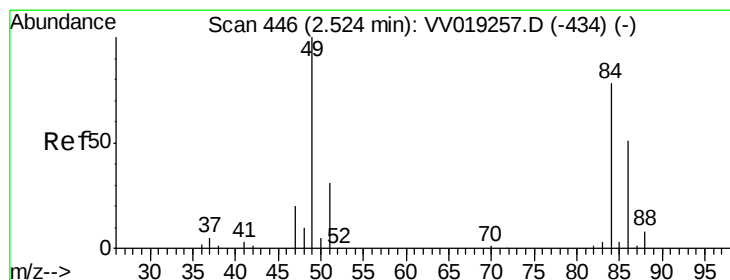
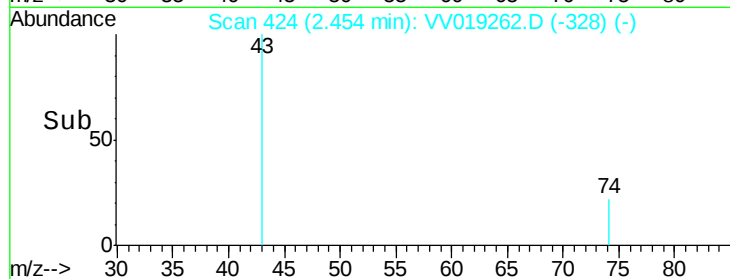
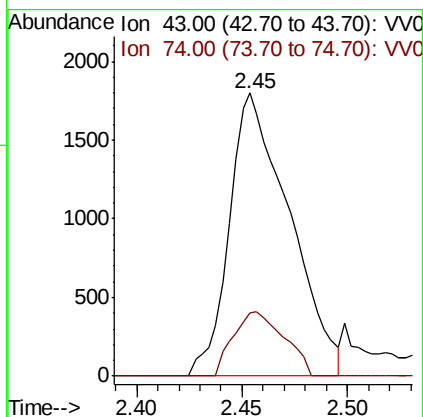
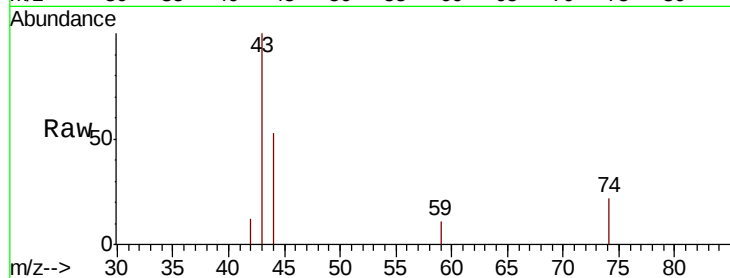




#15
Methyl Acetate
Concen: 2.302 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

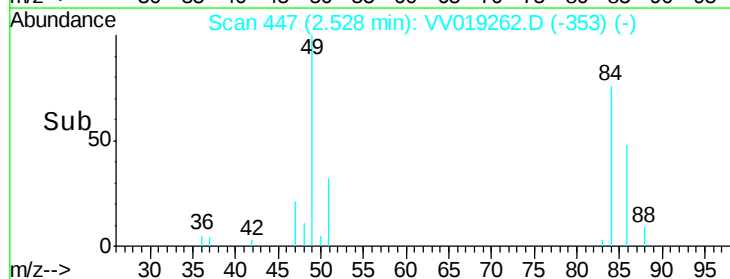
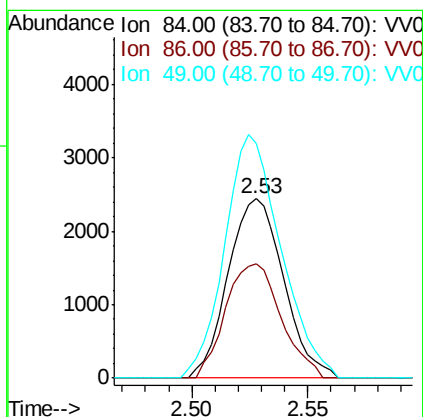
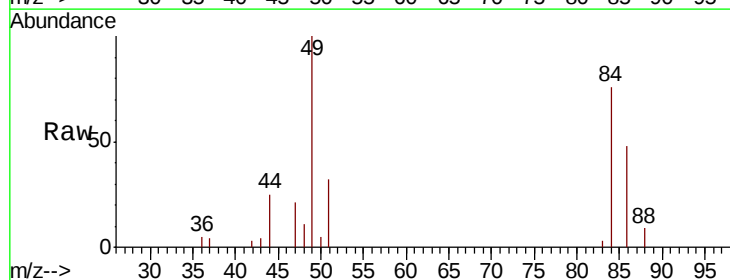
Instrument :
MSVOA_V
ClientSampled :

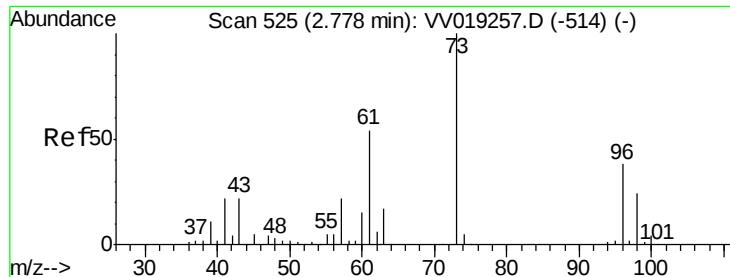
Tot Ion: 43 Resp: 3560
Ion Ratio Lower Upper
43 100
74 19.3 18.8 28.2



#16
Methylene chloride
Concen: 2.572 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

Tgt Ion: 84 Resp: 4071
Ion Ratio Lower Upper
84 100
86 63.4 45.6 84.8
49 131.1 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 2.415 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

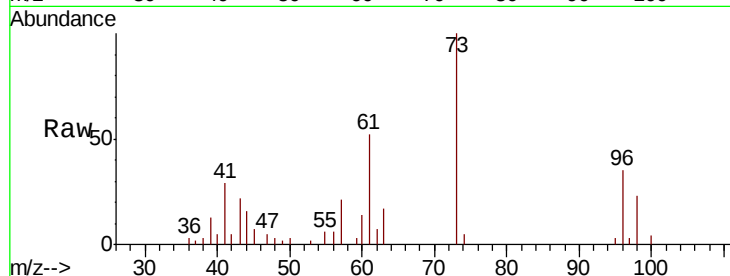
Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 3488

Ion	Ratio	Lower	Upper
96	100		
61	146.6	100.7	187.1
98	66.1	42.9	79.7

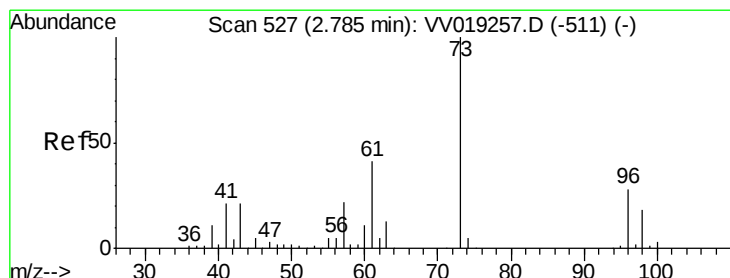
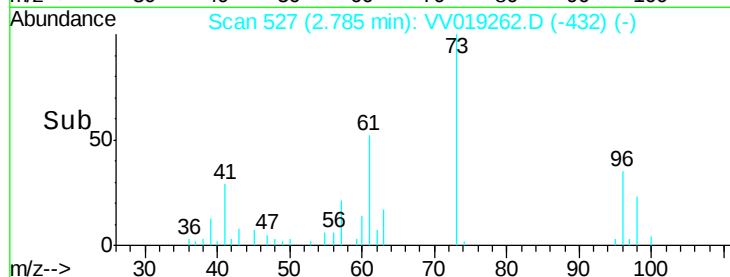
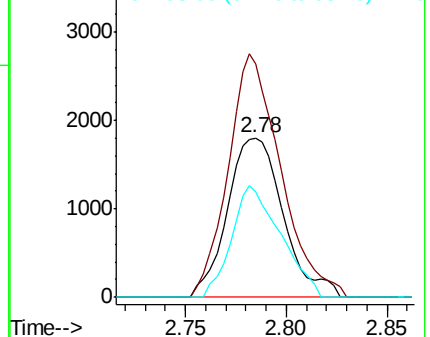


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.285 ug/L

RT: 2.78 min Scan# 527

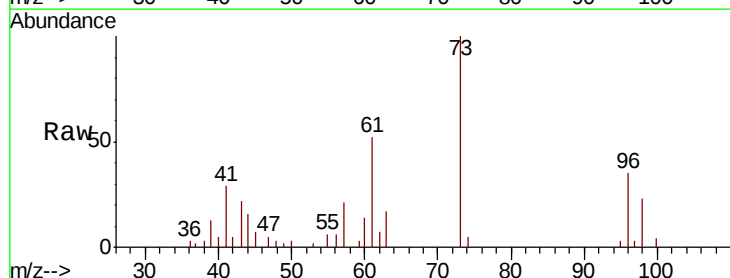
Delta R.T. -0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Tgt Ion: 73 Resp: 11602

Ion	Ratio	Lower	Upper
73	100		
43	22.7	17.9	26.9
57	19.7	17.1	25.7

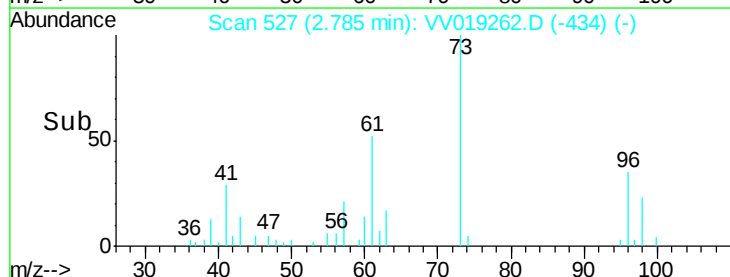
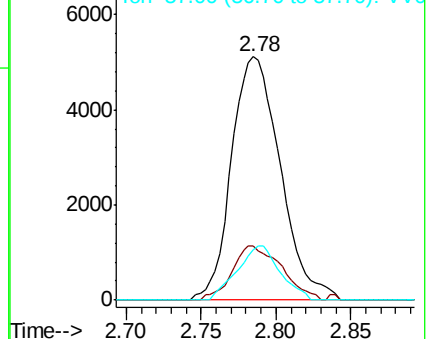


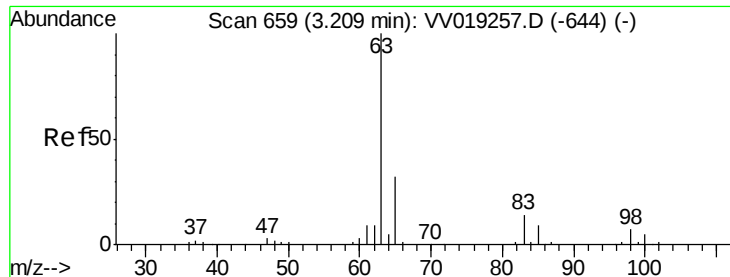
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

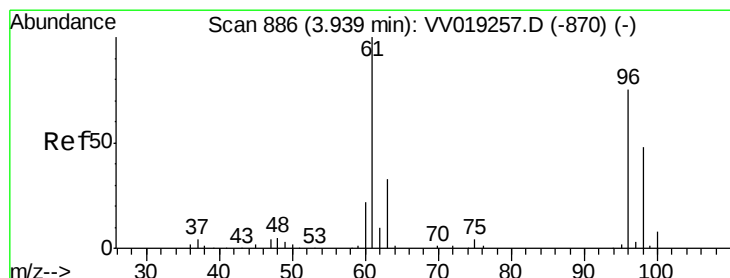
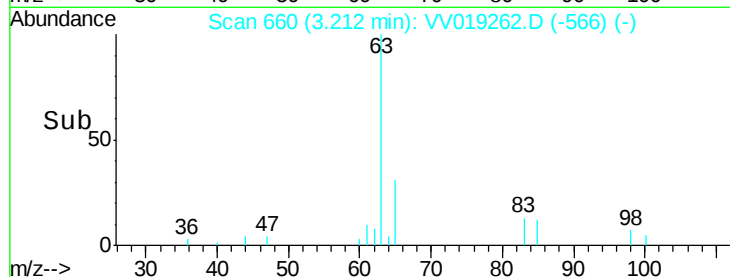
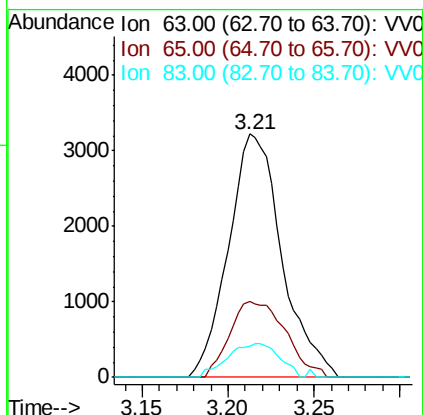
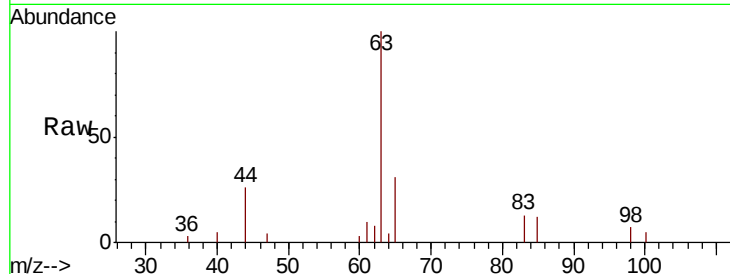




#19
 1,1-Dichloroethane
 Concen: 2.461 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019262.D
 Acq: 04 Nov 2020 23:33

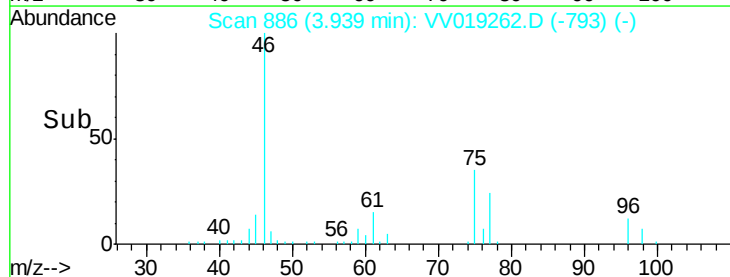
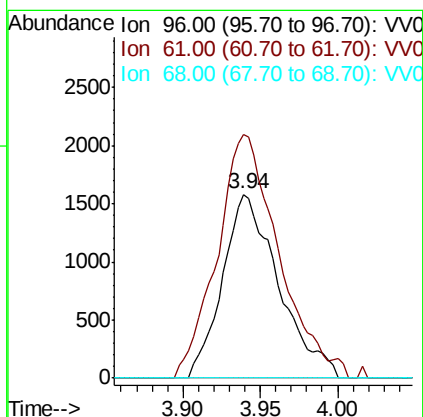
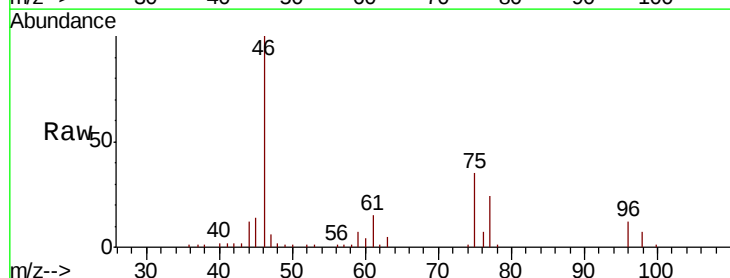
Instrument :
 MSVOA_V
 ClientSampleId :

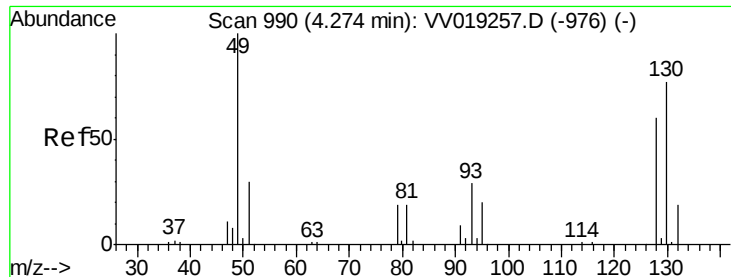
Tot Ion: 63 Resp: 6965
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.6
 83 12.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.491 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019262.D
 Acq: 04 Nov 2020 23:33

Tgt Ion: 96 Resp: 3975
 Ion Ratio Lower Upper
 96 100
 61 132.3 95.6 177.6
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 0.956 ug/L

RT: 4.28 min Scan# 992

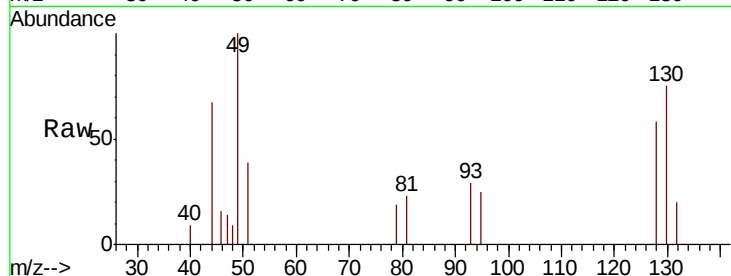
Delta R.T. 0.01 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	128	Resp:	840
Ion	Ratio	Lower	Upper
128	100		
49	172.4	108.8	202.2
130	129.7	88.5	164.3
51	67.6	37.8	56.6

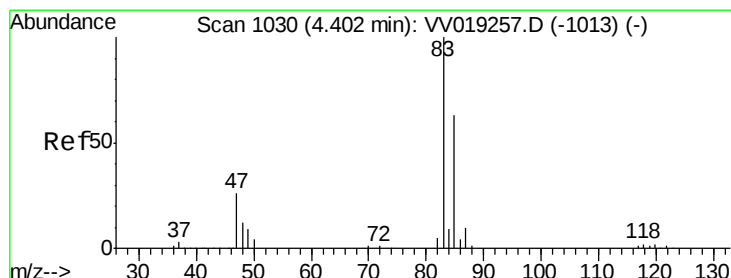
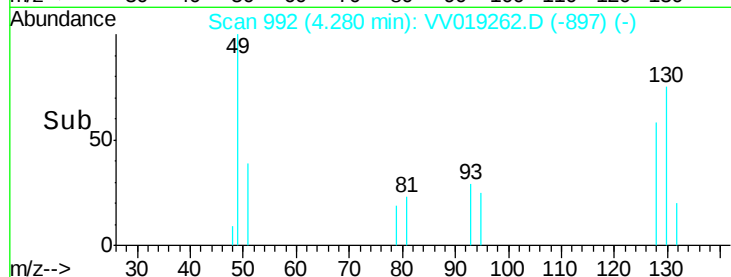
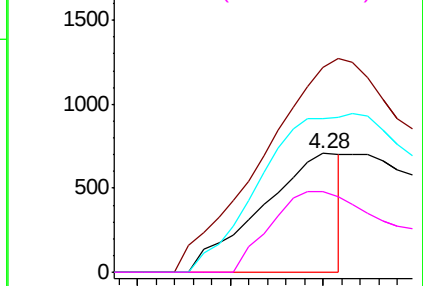


Abundance Ion 128.00 (127.70 to 128.70): VV019262.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV019262.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV019262.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV019262.D (-897) (-)



#25

Chloroform

Concen: 2.903 ug/L

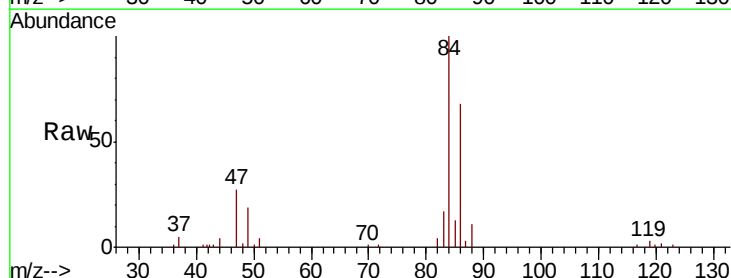
RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV019262.D

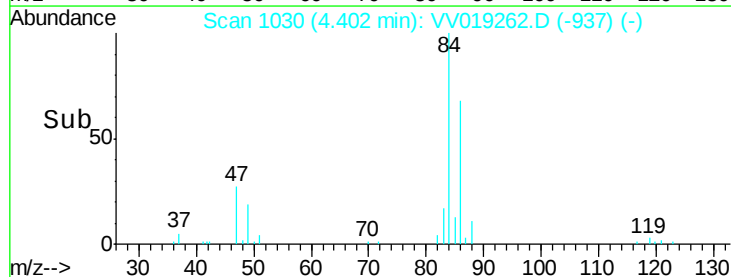
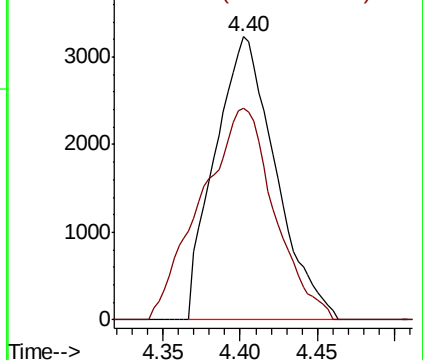
Acq: 04 Nov 2020 23:33

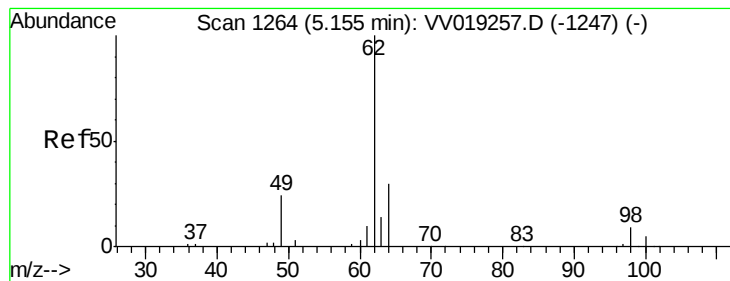
Tgt Ion:	83	Resp:	8807
Ion	Ratio	Lower	Upper
83	100		
85	74.7	45.4	84.4



Abundance Ion 83.00 (82.70 to 83.70): VV019262.D (-937) (-)

Ion 85.00 (84.70 to 85.70): VV019262.D (-937) (-)





#27

1,2-Dichloroethane

Concen: 2.116 ug/L

RT: 5.17 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

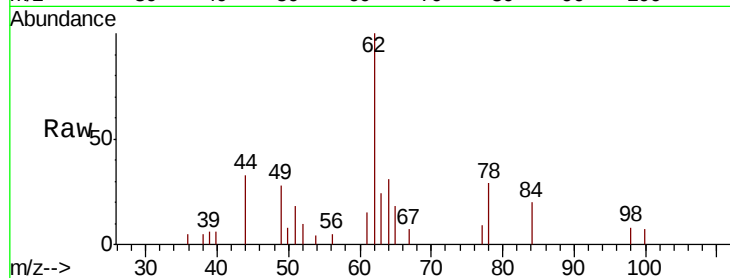
ClientSampled :

Tot Ion: 62 Resp: 5457

Ion Ratio Lower Upper

62 100

98 8.3 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VV019257.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VV019257.D (-1247) (-)

2500

2000

1500

1000

500

0

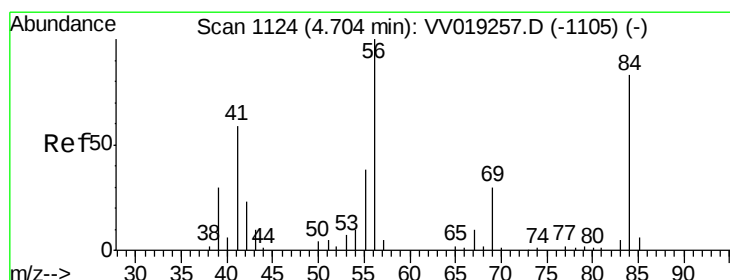
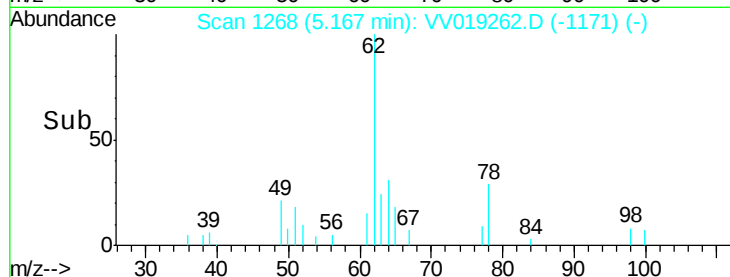
5.10

5.15

5.20

5.25

Time-->



#29

Cyclohexane

Concen: 2.477 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

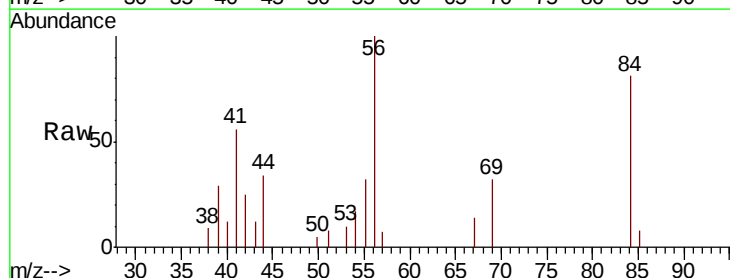
Tgt Ion: 56 Resp: 5064

Ion Ratio Lower Upper

56 100

69 31.0 24.6 36.8

84 79.8 70.5 105.7



Abundance Ion 56.00 (55.70 to 56.70): VV019257.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV019257.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV019257.D (-1105) (-)

2500

2000

1500

1000

500

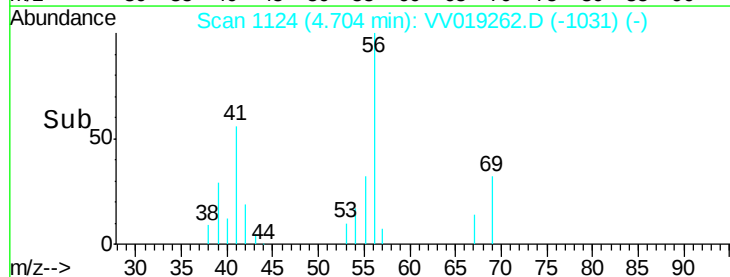
0

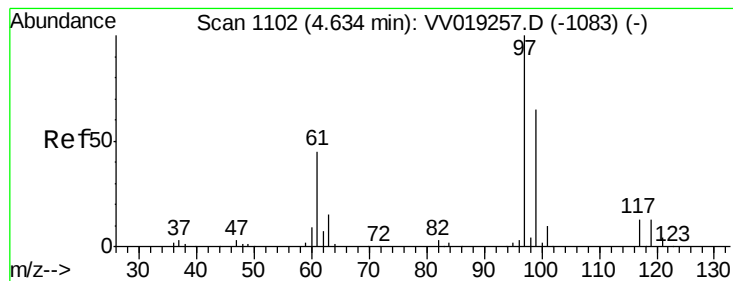
4.65

4.70

4.75

Time-->





#30

1,1,1-Trichloroethane

Concen: 2.382 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

ClientSampleId :

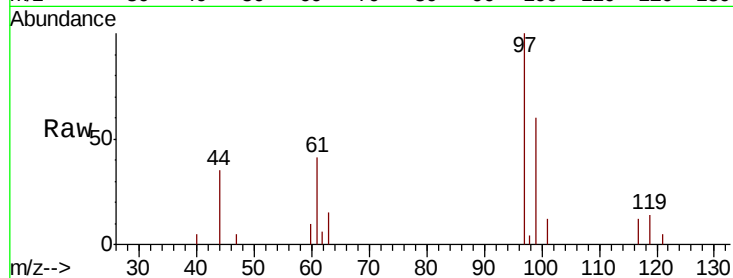
Tot Ion: 97 Resp: 6599

Ion Ratio Lower Upper

97 100

99 62.1 52.0 78.0

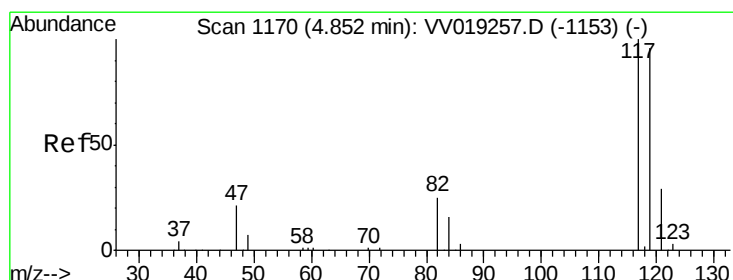
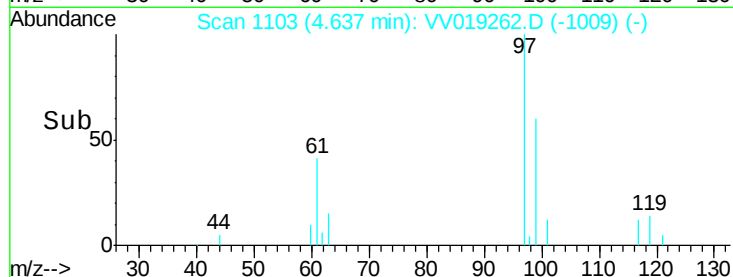
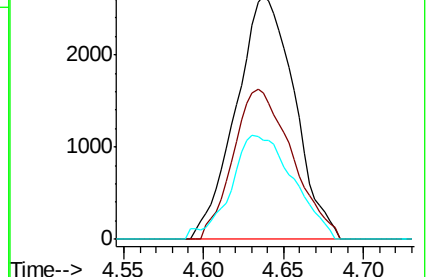
61 44.8 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VV019262.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV019262.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV019262.D (-1083) (-)



#31

Carbon tetrachloride

Concen: 2.356 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019262.D

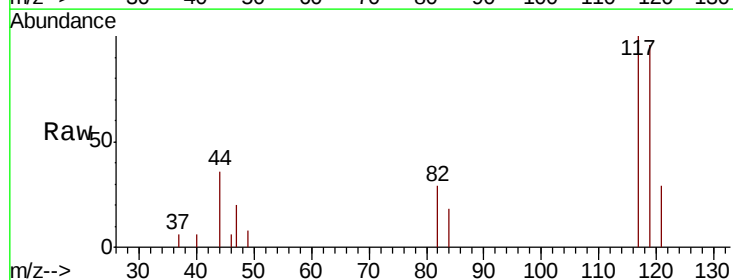
Acq: 04 Nov 2020 23:33

Tgt Ion: 117 Resp: 5636

Ion Ratio Lower Upper

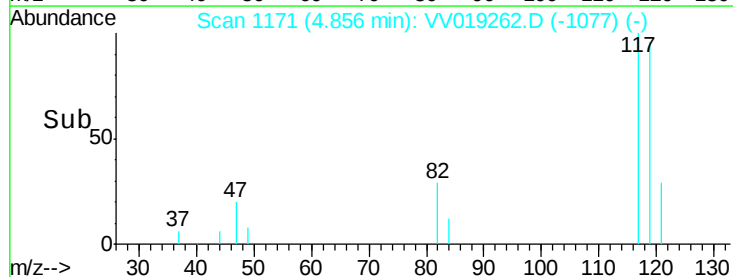
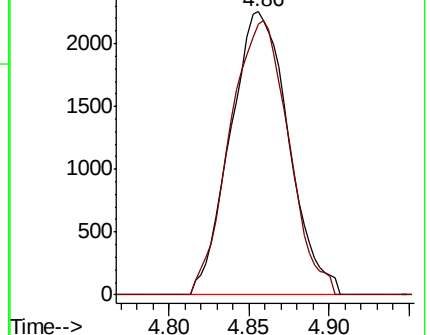
117 100

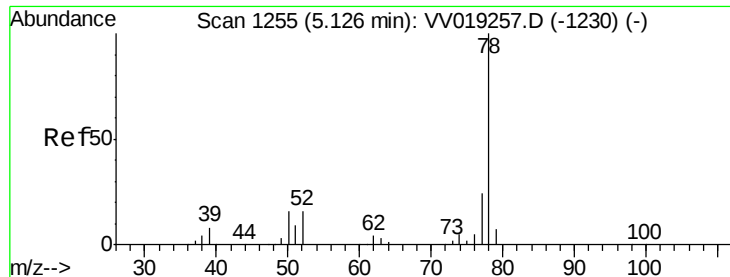
119 97.4 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): VV019262.D (-1077) (-)

Ion 119.00 (118.70 to 119.70): VV019262.D (-1077) (-)





#33

Benzene

Concen: 2.365 ug/L

RT: 5.13 min Scan# 1256

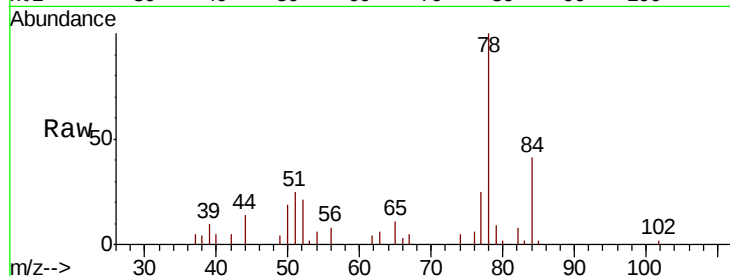
Delta R.T. 0.00 min

Lab File: VV019262.D

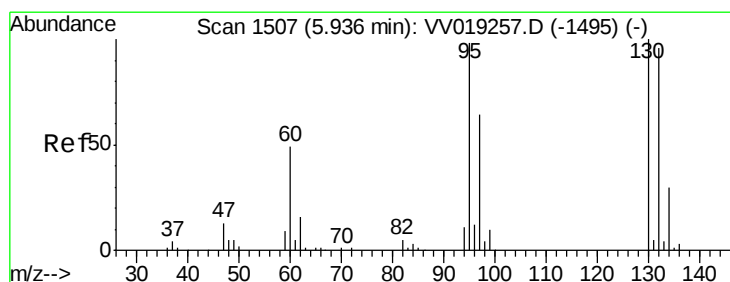
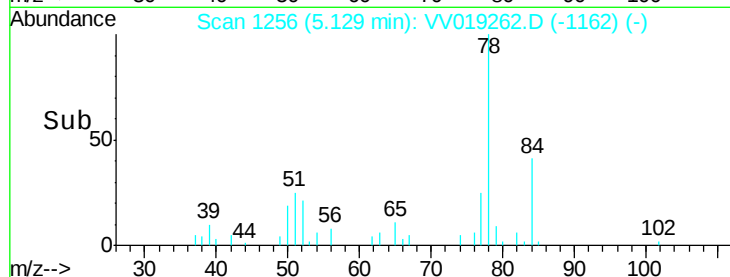
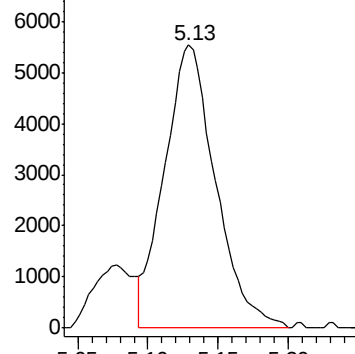
Acq: 04 Nov 2020 23:33

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 14040



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.409 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Tgt Ion: 95 Resp: 3887

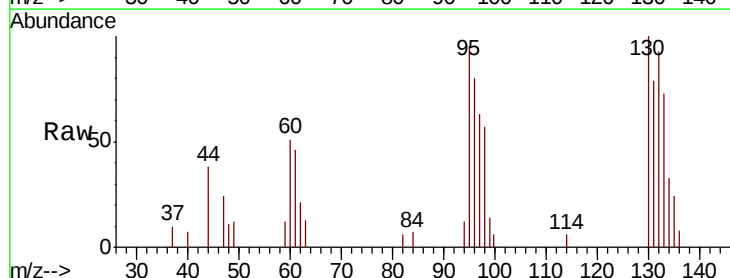
Ion	Ratio	Lower	Upper
95	100		
97	66.6	45.4	84.4
132	97.6	68.5	127.3
130	105.0	72.0	133.6

95 100

97 66.6 45.4 84.4

132 97.6 68.5 127.3

130 105.0 72.0 133.6

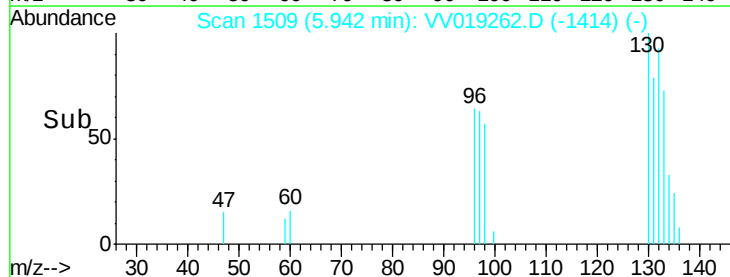


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



Abundance Ion 95.00 (94.70 to 95.70): VV0

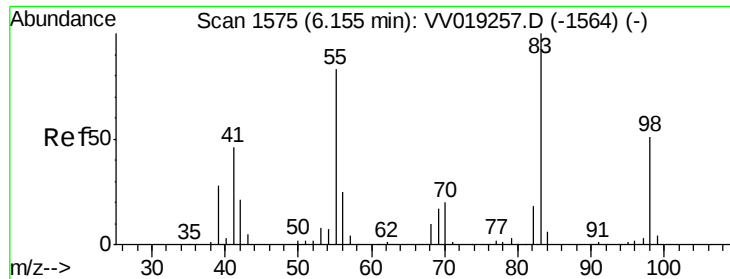
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

5.94

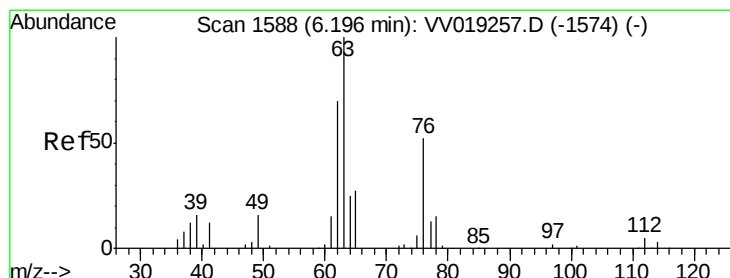
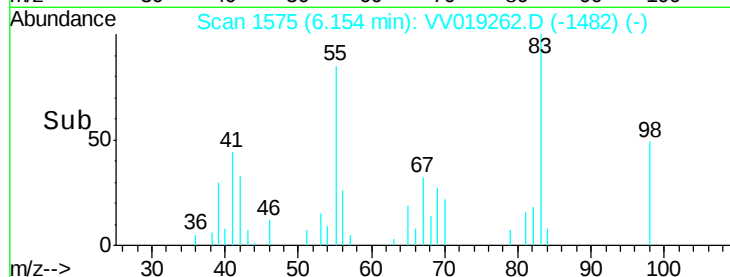
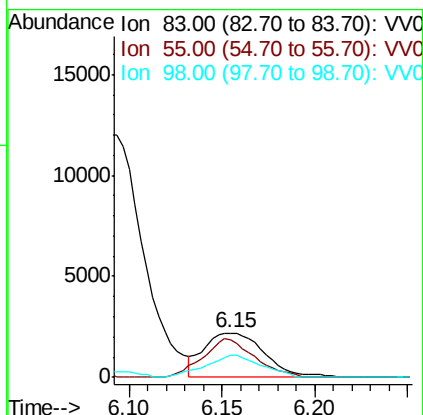
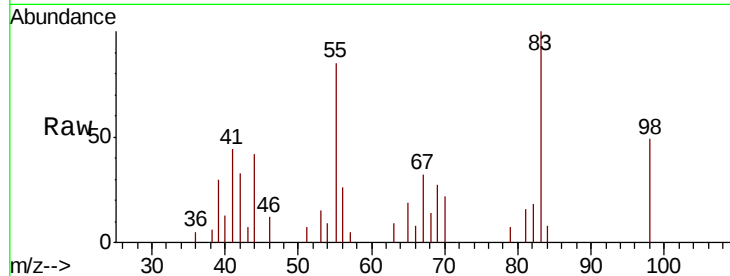
Time-->



#35
Methvlcvclohexane
Concen: 2.557 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

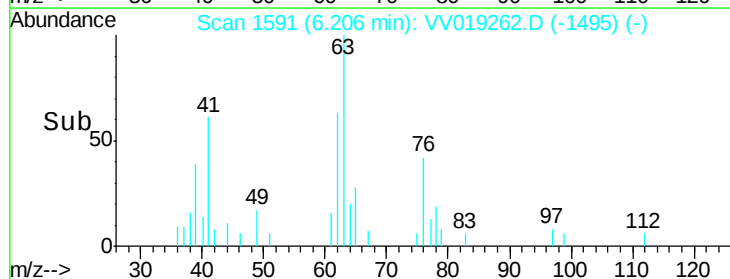
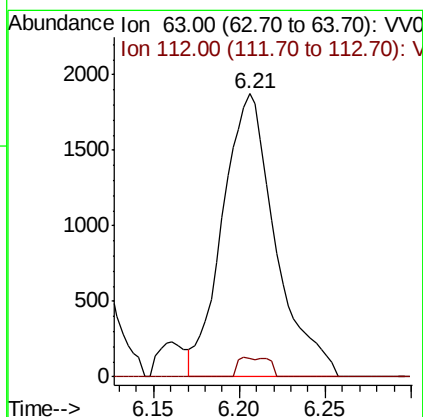
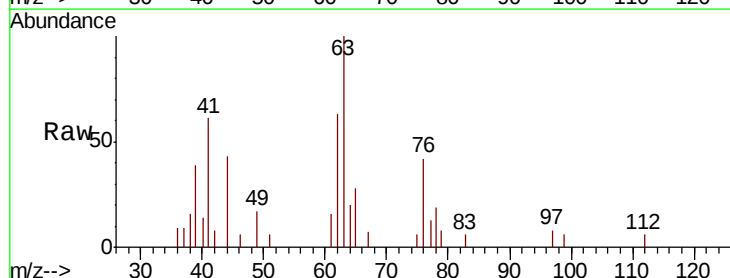
Instrument :
MSVOA_V
ClientSampleId :

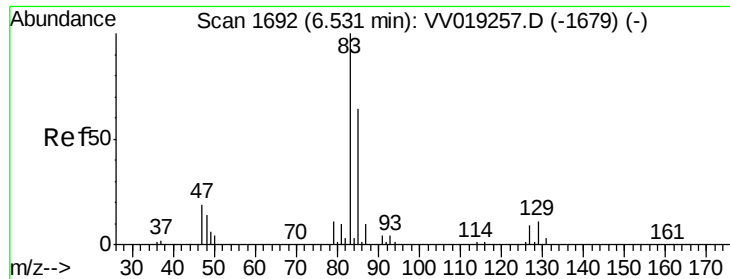
Tot Ion: 83 Resp: 4993
Ion Ratio Lower Upper
83 100
55 73.2 62.8 94.2
98 45.7 38.6 58.0



#37
1,2-Dichloropropane
Concen: 2.538 ug/L
RT: 6.21 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

Tgt Ion: 63 Resp: 4022
Ion Ratio Lower Upper
63 100
112 2.3 4.2 6.2#





#38

Bromodichloromethane

Concen: 2.238 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

ClientSampleId :

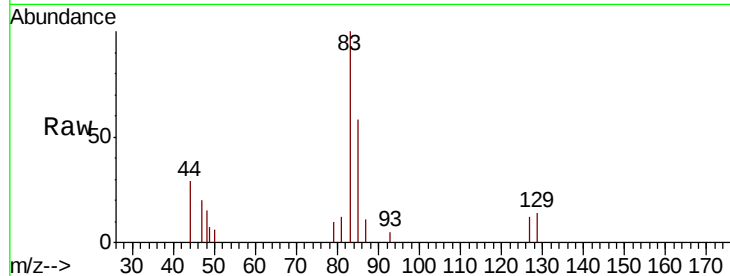
Tot Ion: 83 Resp: 5103

Ion Ratio Lower Upper

83 100

85 58.0 44.0 81.8

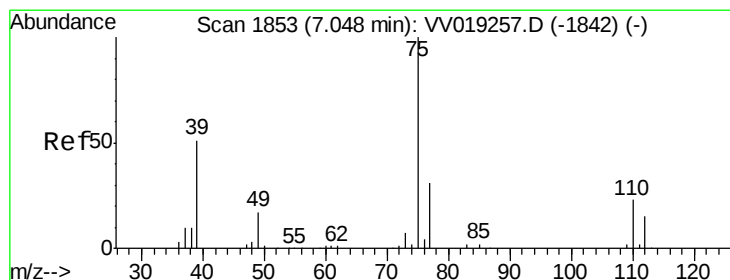
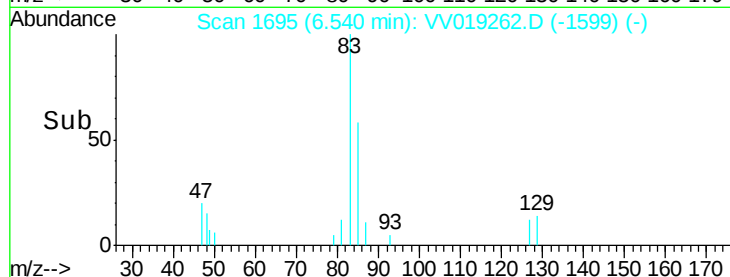
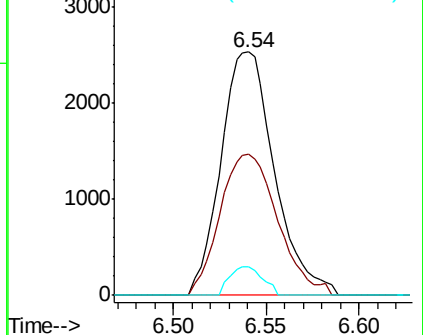
127 11.6 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VV019262.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV019262.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV019262.D (-1599) (-)



#39

cis-1,3-Dichloropropene

Concen: 2.194 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV019262.D

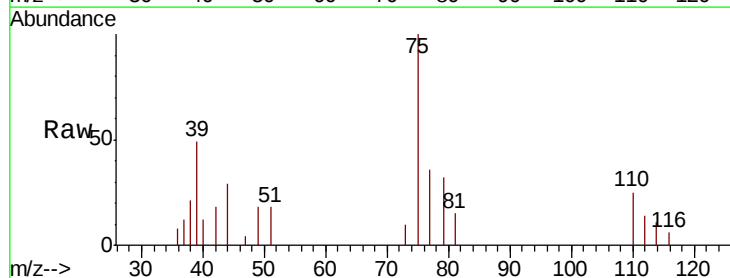
Acq: 04 Nov 2020 23:33

Tgt Ion: 75 Resp: 5562

Ion Ratio Lower Upper

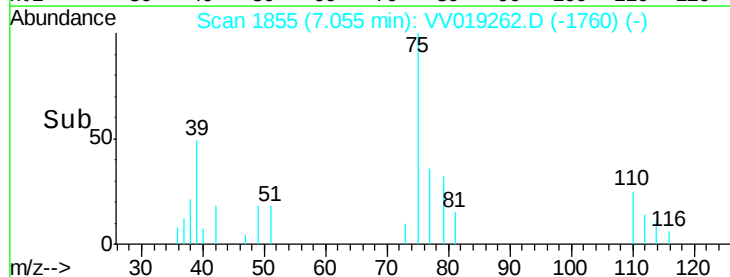
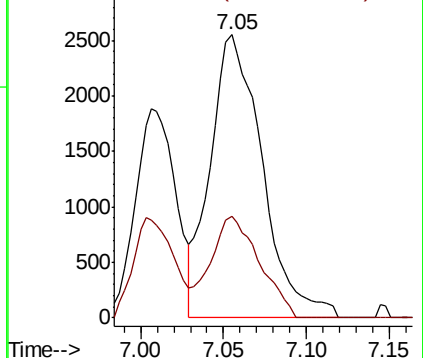
75 100

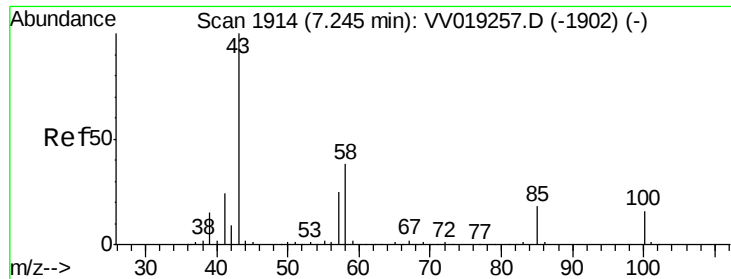
77 36.1 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV019262.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV019262.D (-1760) (-)

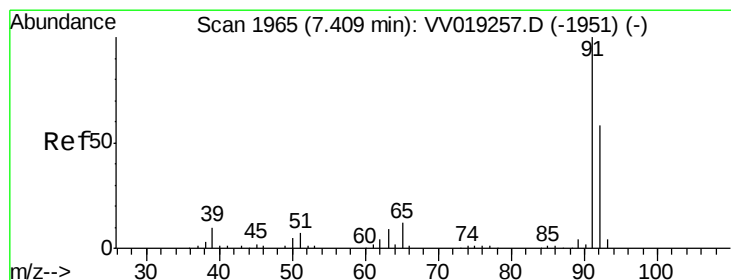
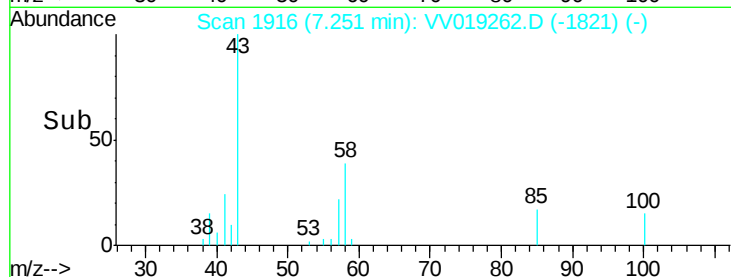
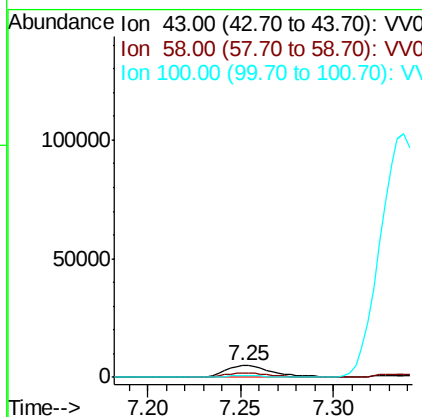
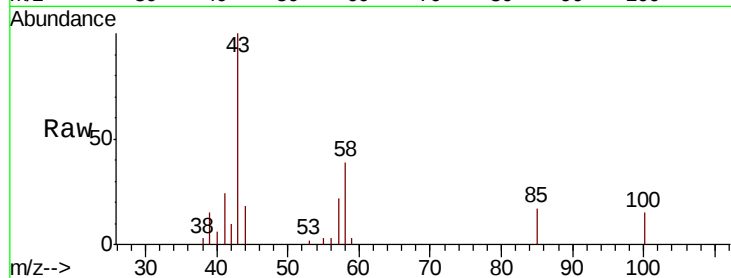




#40
4-Methyl-2-pentanone
Concen: 4.119 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

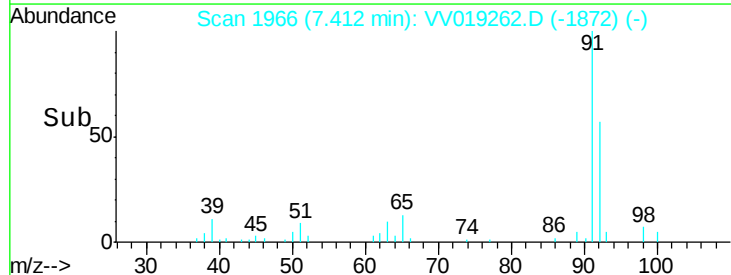
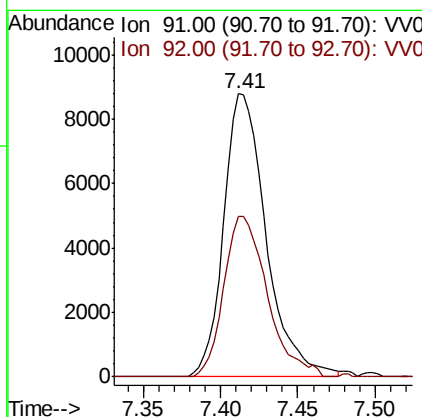
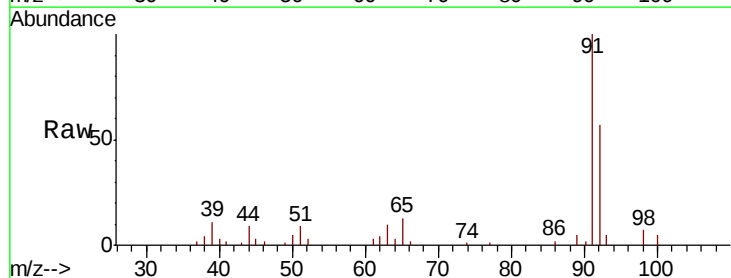
Instrument :
MSVOA_V
ClientSampled :

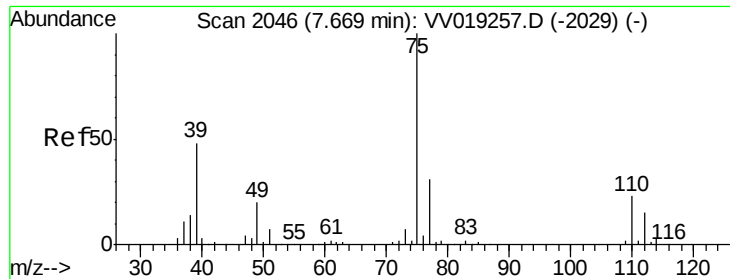
Tot Ion: 43 Resp: 8768
Ion Ratio Lower Upper
43 100
58 38.3 30.5 45.7
100 13.9 12.7 19.1



#42
Toluene
Concen: 2.603 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

Tgt Ion: 91 Resp: 16705
Ion Ratio Lower Upper
91 100
92 56.6 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 2.147 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

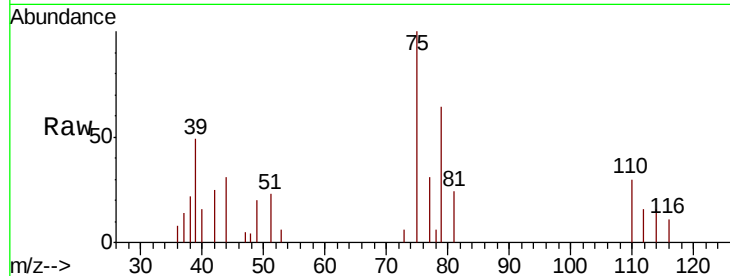
ClientSampleId :

Tot Ion: 75 Resp: 5577

Ion Ratio Lower Upper

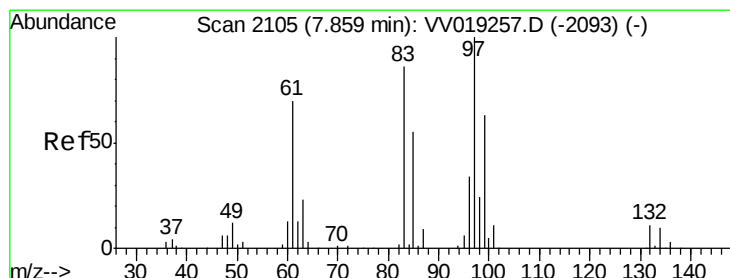
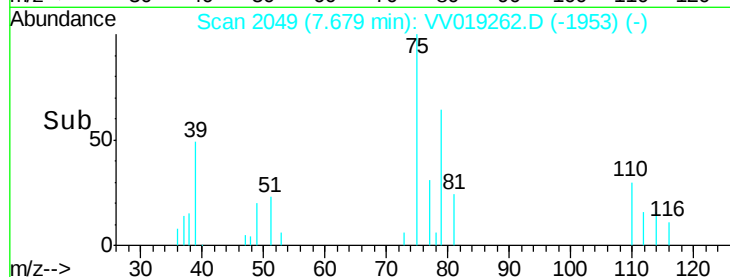
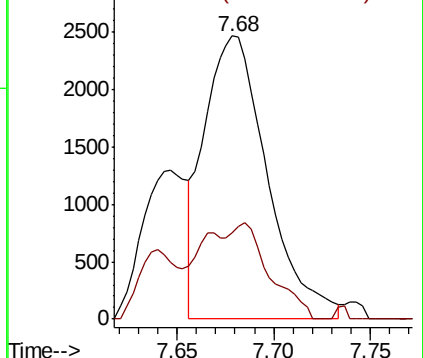
75 100

77 30.5 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 2.394 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Tgt Ion: 97 Resp: 3750

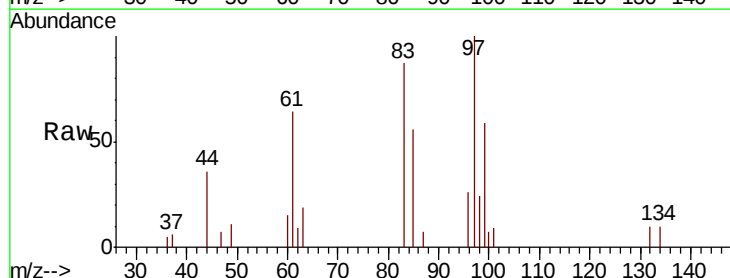
Ion Ratio Lower Upper

97 100

99 58.8 45.1 83.9

83 87.1 57.6 107.0

85 56.1 37.8 70.2

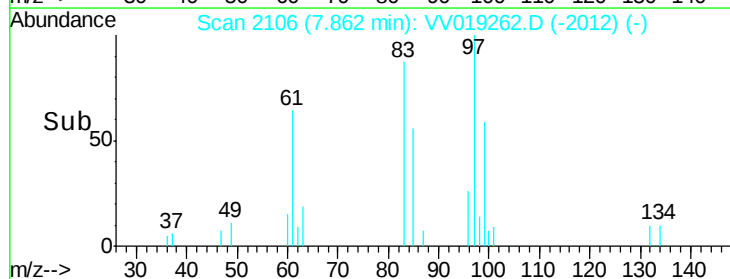
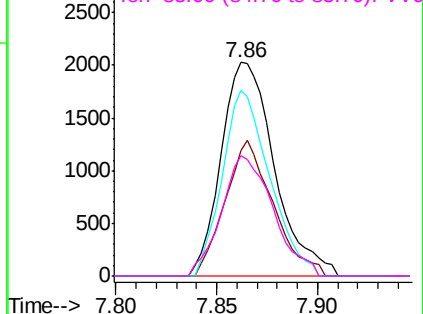


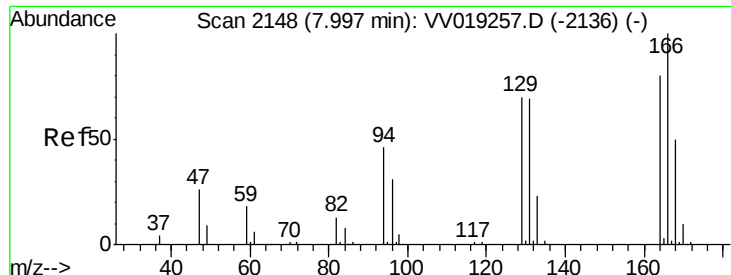
Abundance Ion 97.00 (96.70 to 97.70): VV0

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

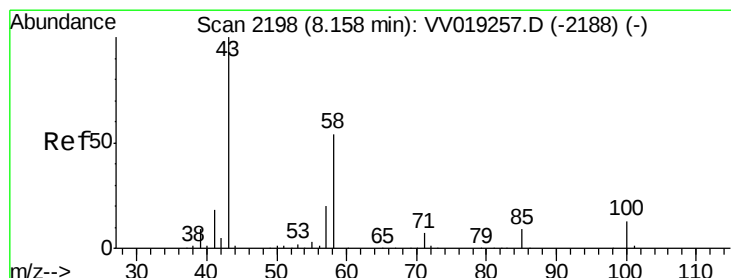
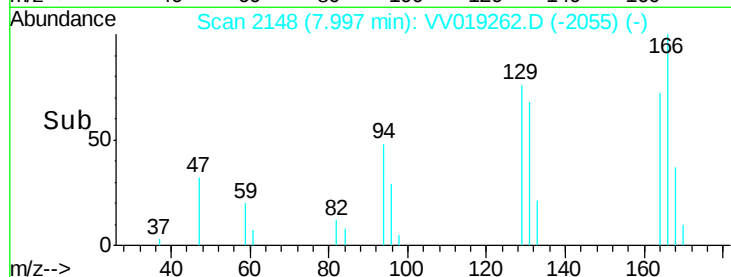
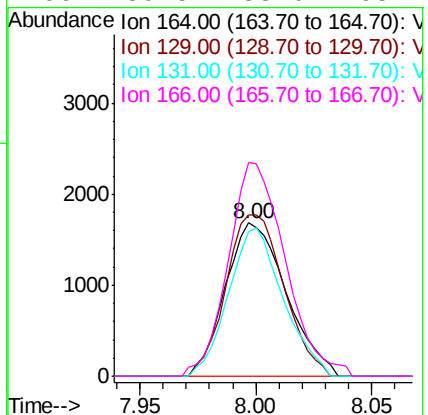
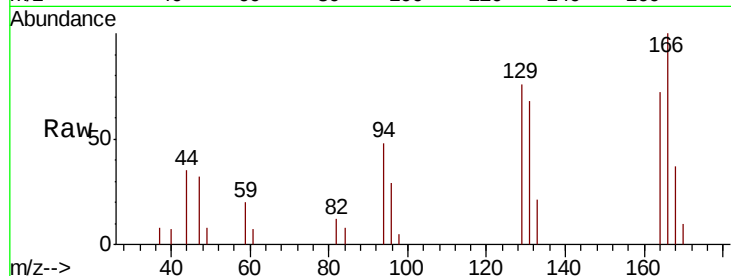




#46
Tetrachloroethene
Concen: 2.337 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

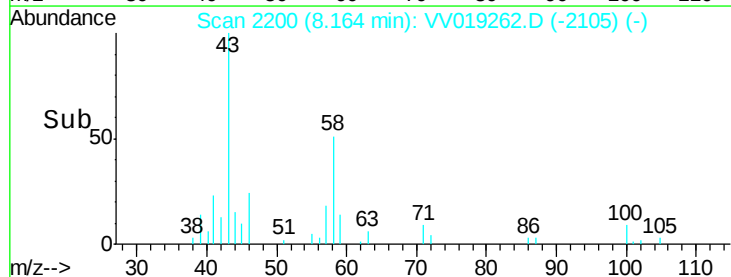
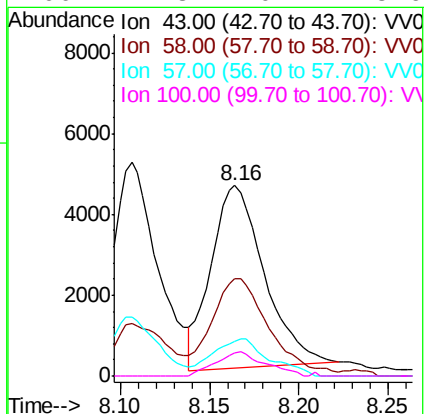
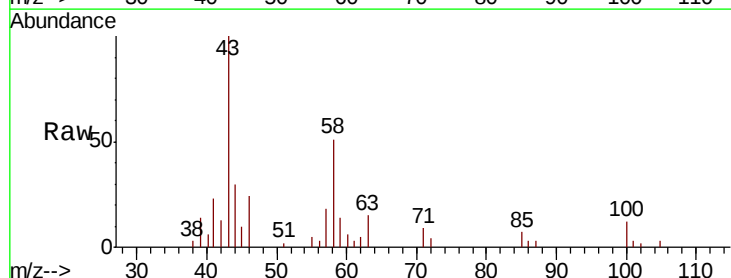
Instrument :
MSVOA_V
ClientSampleId :

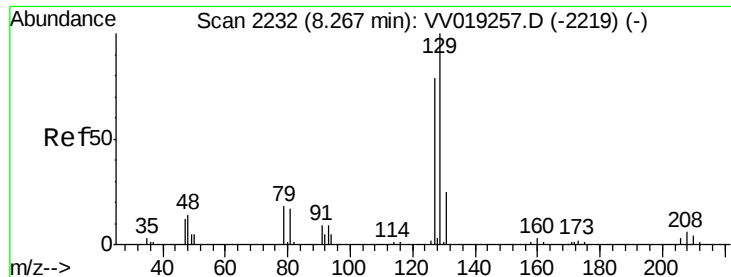
Tot Ion:164 Resp: 3077
Ion Ratio Lower Upper
164 100
129 105.7 62.6 116.3
131 94.7 59.0 109.6
166 139.5 88.0 163.4



#48
2-Hexanone
Concen: 5.831 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

Tgt Ion: 43 Resp: 9383
Ion Ratio Lower Upper
43 100
58 57.1 42.6 63.8
57 21.4 15.8 23.8
100 12.3 10.4 15.6

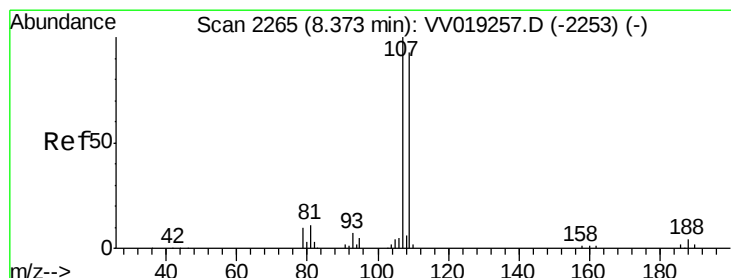
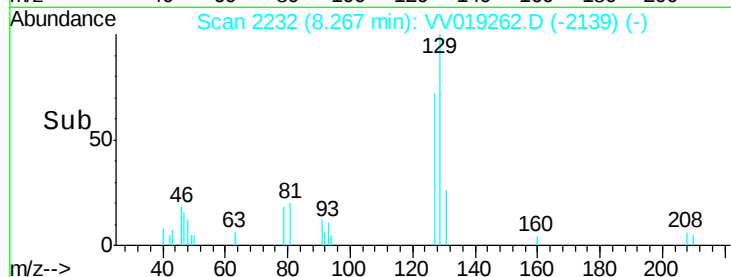
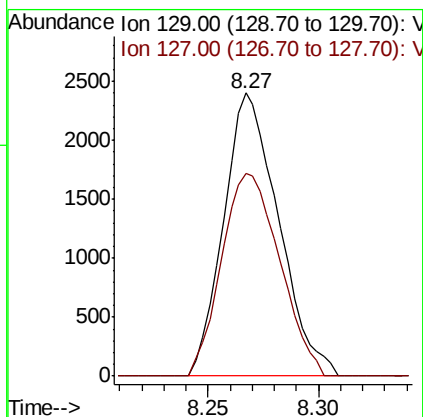
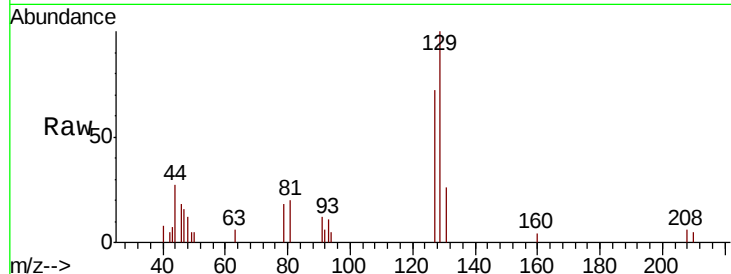




#49
Dibromochloromethane
Concen: 2.222 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

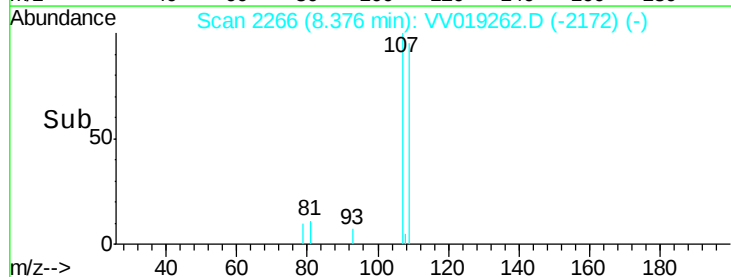
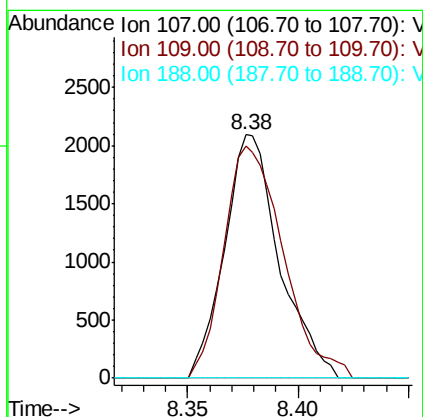
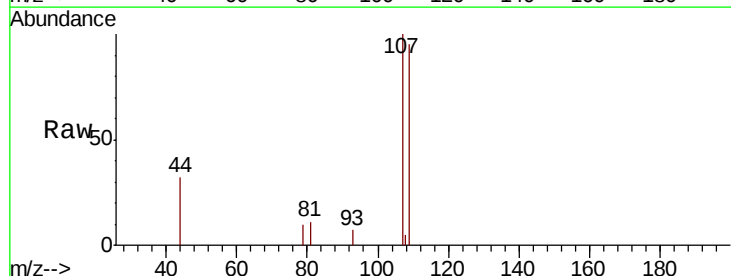
Instrument :
MSVOA_V
ClientSampleId :

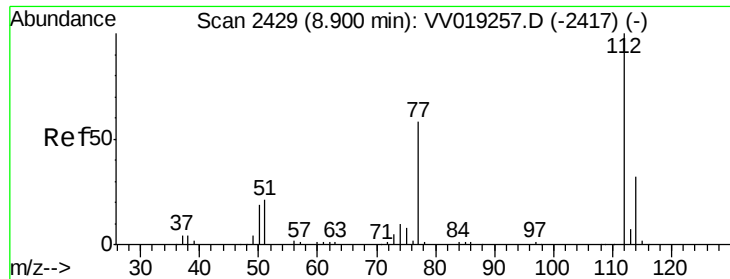
Tot Ion:129 Resp: 4151
Ion Ratio Lower Upper
129 100
127 71.6 54.4 101.0



#50
1,2-Dibromoethane
Concen: 2.224 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

Tgt Ion:107 Resp: 3610
Ion Ratio Lower Upper
107 100
109 95.1 64.8 120.4
188 0.0 3.8 5.8#

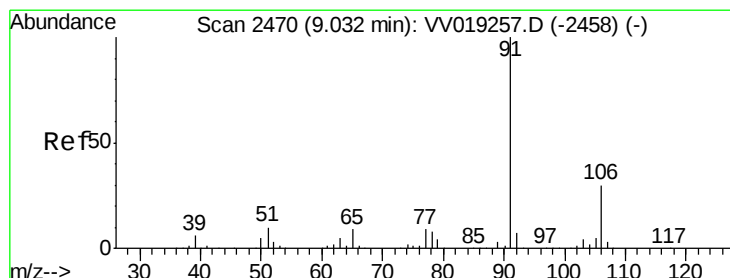
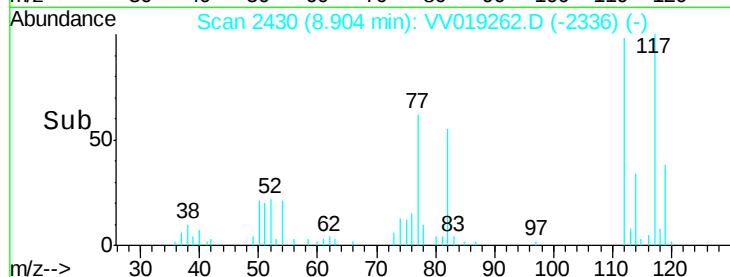
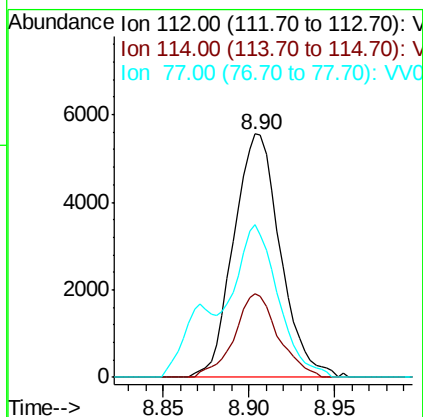
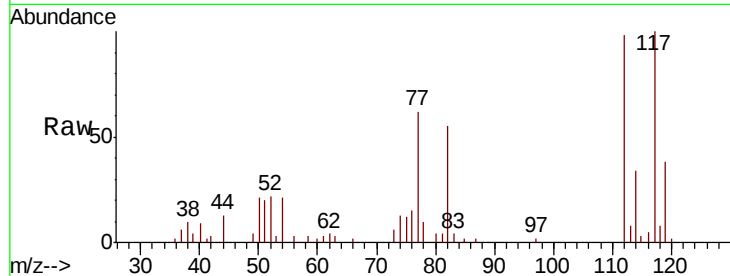




#51
Chlorobenzene
Concen: 2.437 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

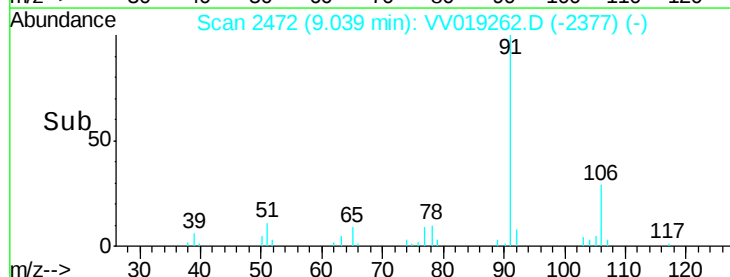
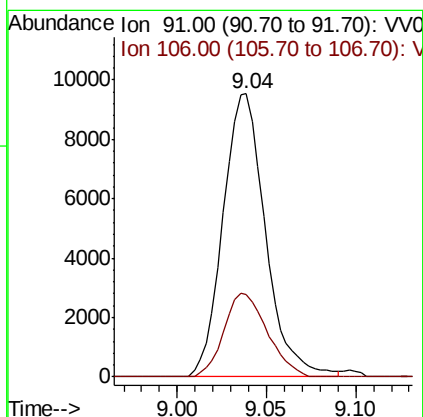
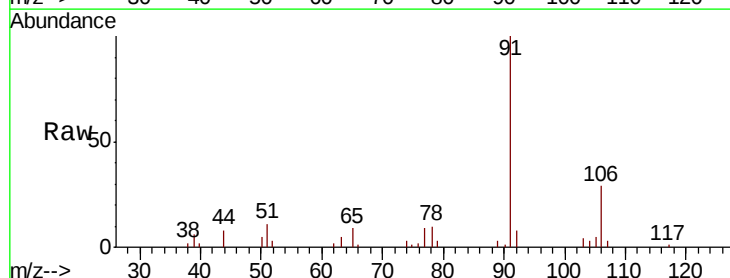
Instrument :
MSVOA_V
ClientSampleId :

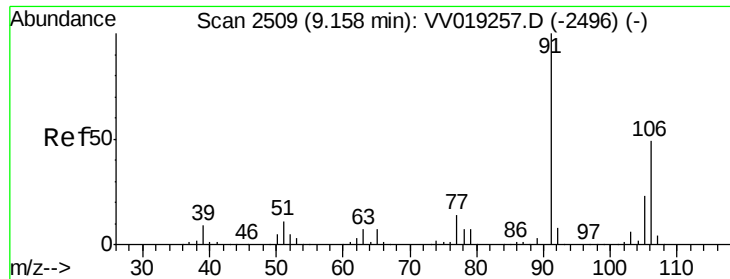
Tot Ion:112 Resp: 10460
Ion Ratio Lower Upper
112 100
114 34.4 22.7 42.1
77 62.6 47.3 70.9



#52
Ethylbenzene
Concen: 2.229 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VV019262.D
Acq: 04 Nov 2020 23:33

Tgt Ion: 91 Resp: 15782
Ion Ratio Lower Upper
91 100
106 29.0 21.6 40.0





#53

m,p-Xylene

Concen: 2.194 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

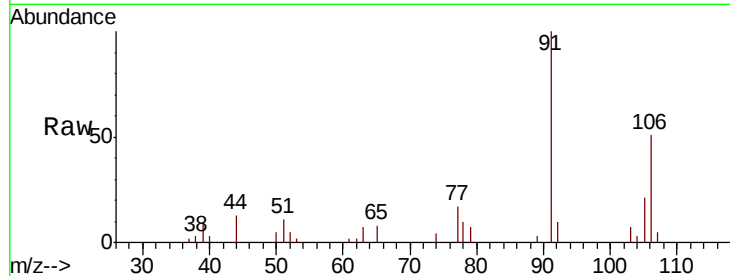
ClientSampled :

Tot Ion:106 Resp: 5815

Ion Ratio Lower Upper

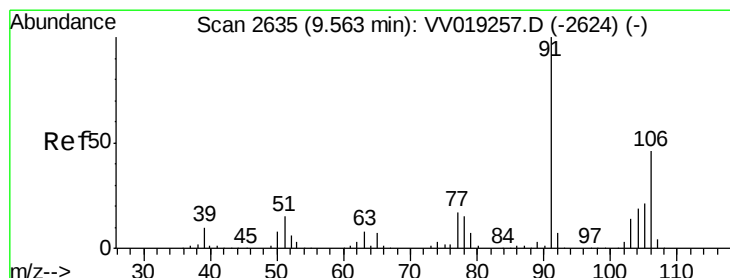
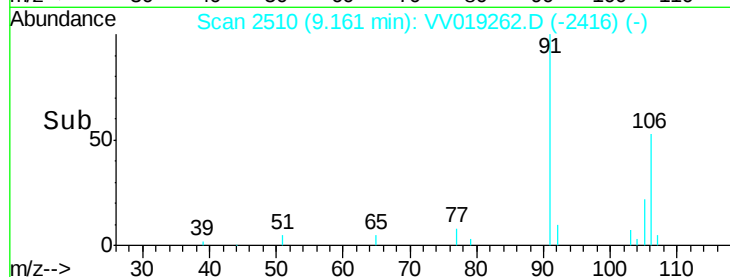
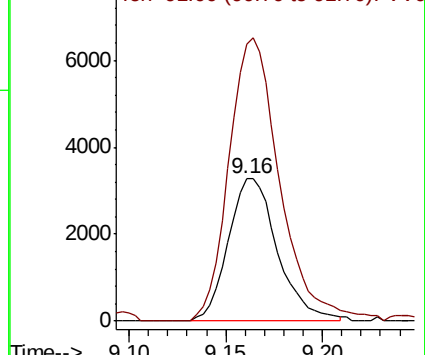
106 100

91 194.9 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 2.107 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019262.D

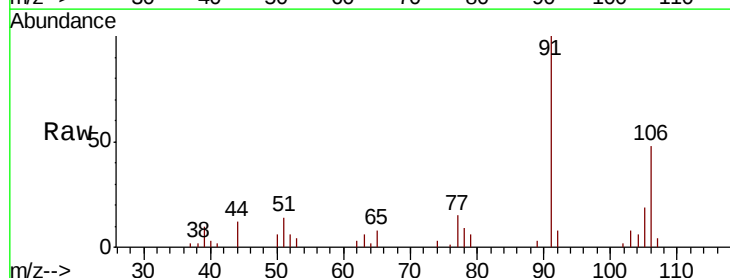
Acq: 04 Nov 2020 23:33

Tgt Ion:106 Resp: 5504

Ion Ratio Lower Upper

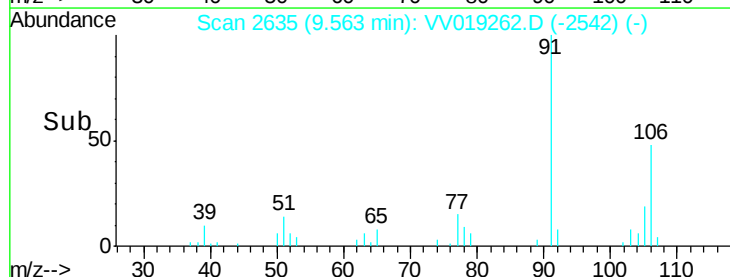
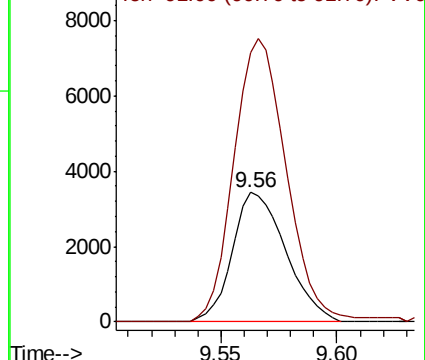
106 100

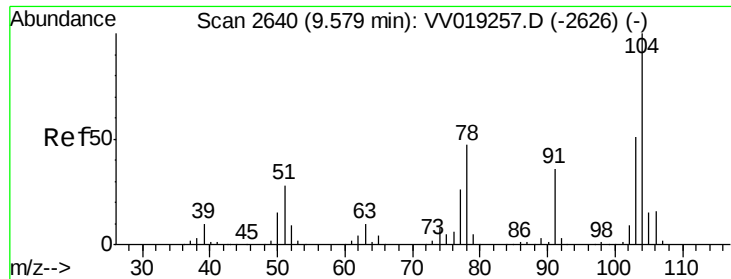
91 208.6 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 1.955 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

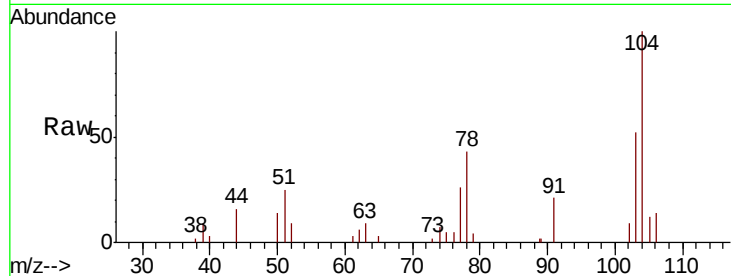
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 9093

Ion Ratio Lower Upper

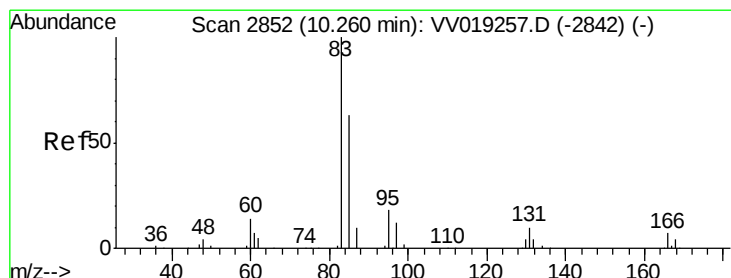
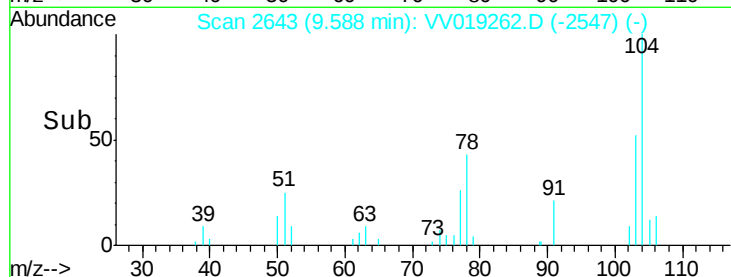
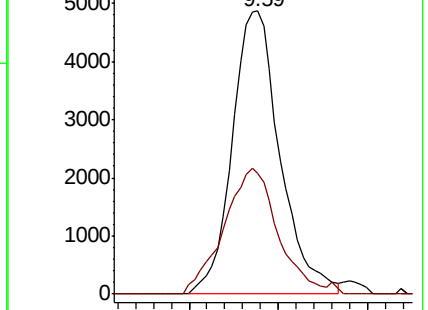
104 100

78 42.9 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): VV019257.D (-2626) (-)

Ion 78.00 (77.70 to 78.70): VV019257.D (-2626) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.335 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

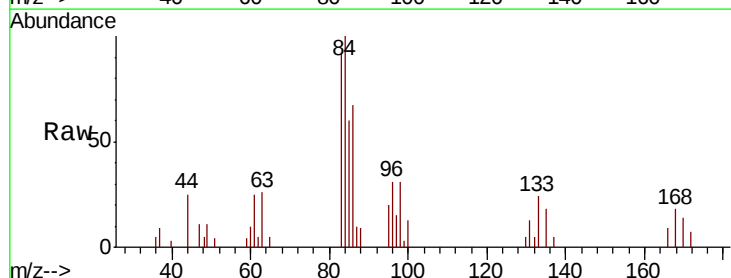
Tgt Ion: 83 Resp: 5533

Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

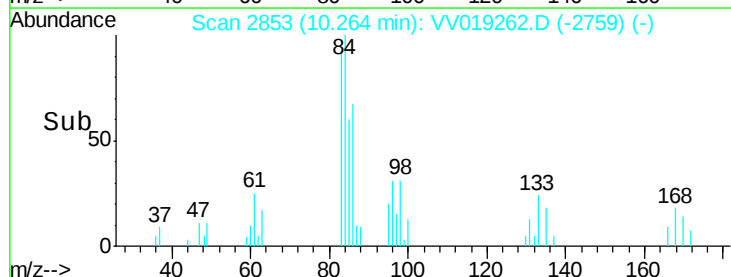
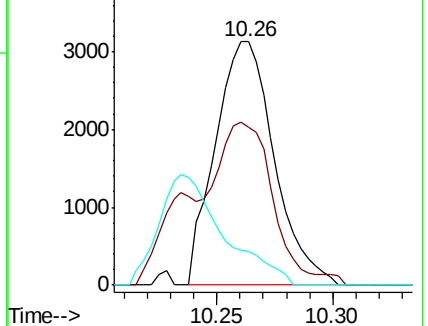
131 13.7 8.9 13.3#

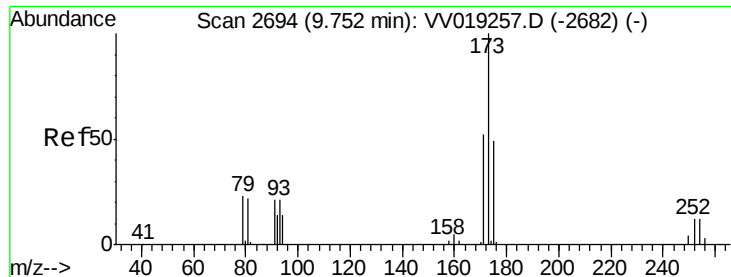


Abundance Ion 83.00 (82.70 to 83.70): VV019257.D (-2842) (-)

Ion 85.00 (84.70 to 85.70): VV019257.D (-2842) (-)

Ion 131.00 (130.70 to 131.70): VV019257.D (-2842) (-)





#59

Bromoform

Concen: 2.014 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :
MSVOA_V
ClientSampleId :

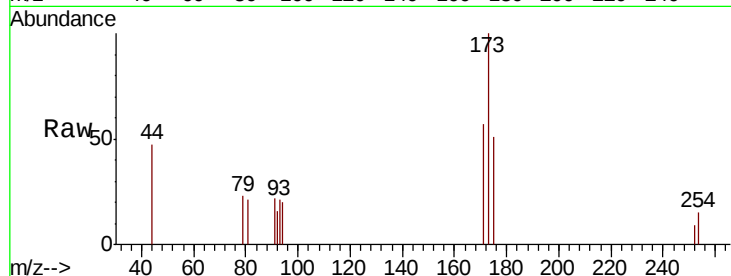
Tot Ion:173 Resp: 2709

Ion Ratio Lower Upper

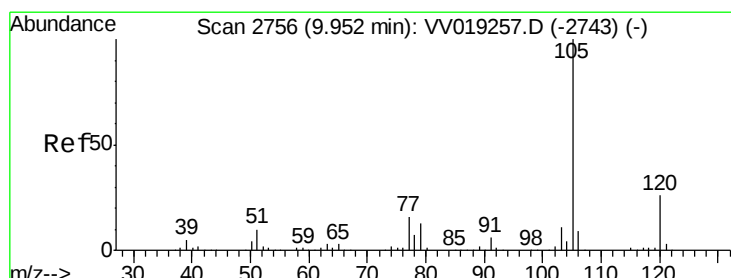
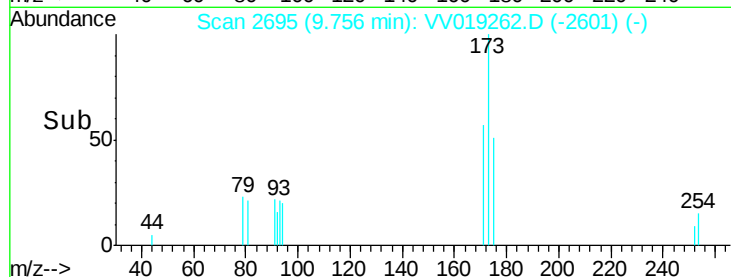
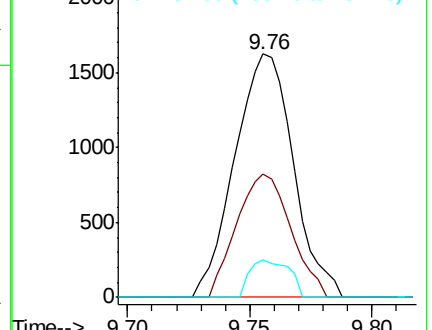
173 100

175 46.8 38.4 57.6

254 10.2 9.0 13.6



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 2.224 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

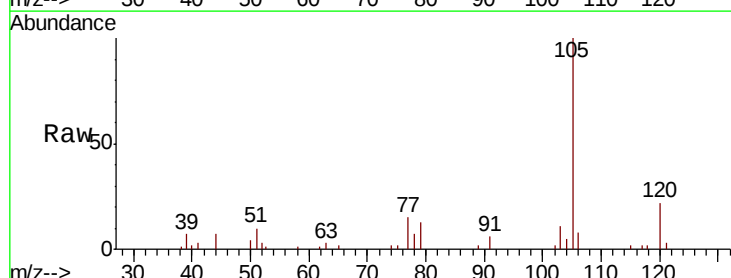
Tgt Ion:105 Resp: 14123

Ion Ratio Lower Upper

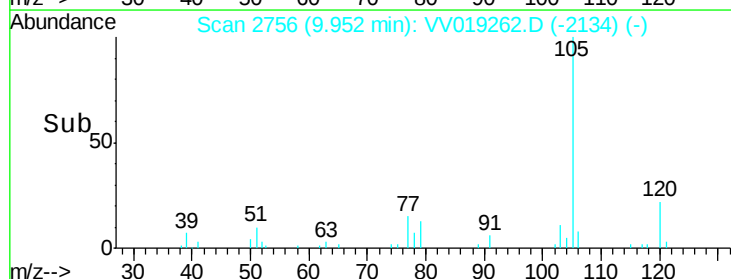
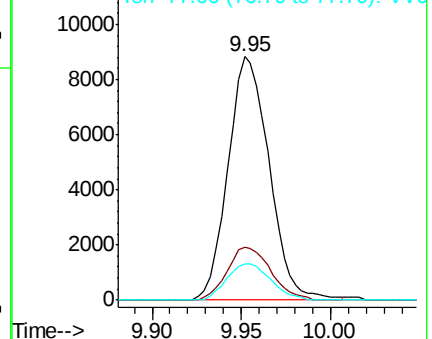
105 100

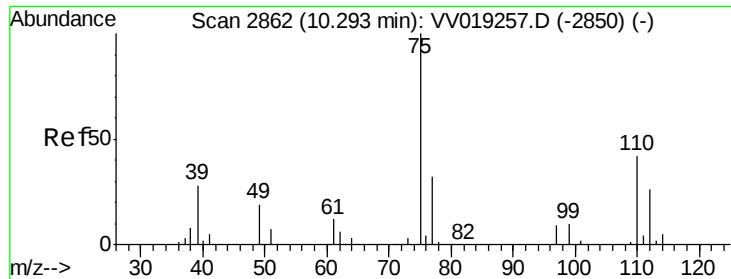
120 23.1 21.0 31.4

77 16.0 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

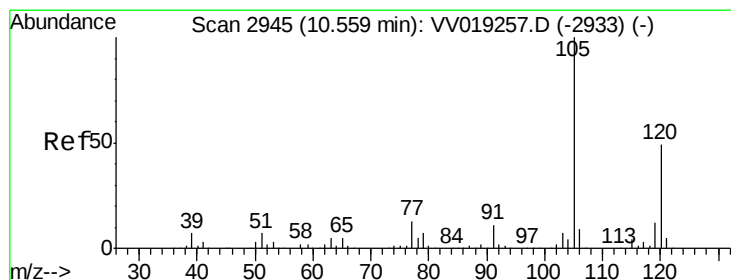
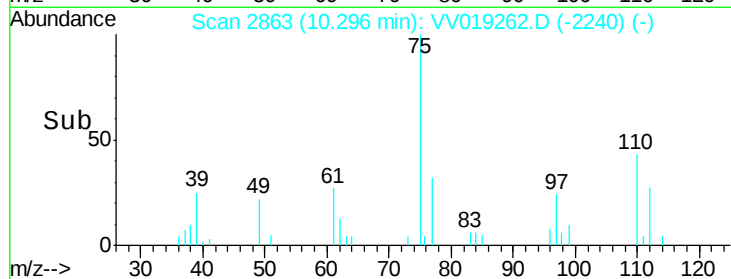
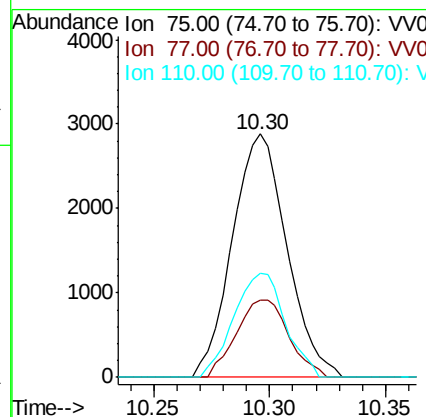
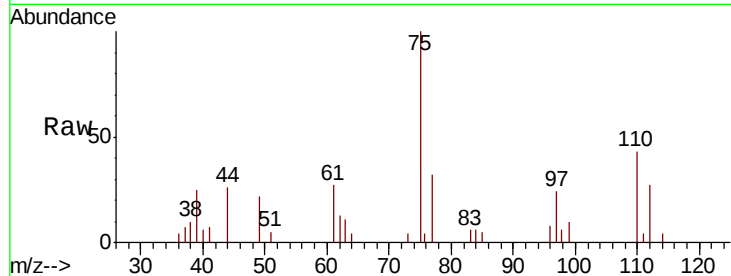




#61
 1,2,3-Trichloropropane
 Concen: 2.496 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV019262.D
 Acq: 04 Nov 2020 23:33

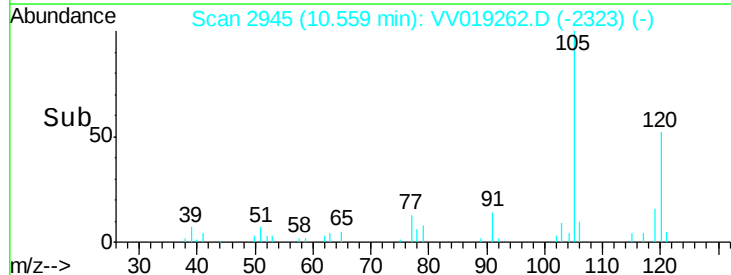
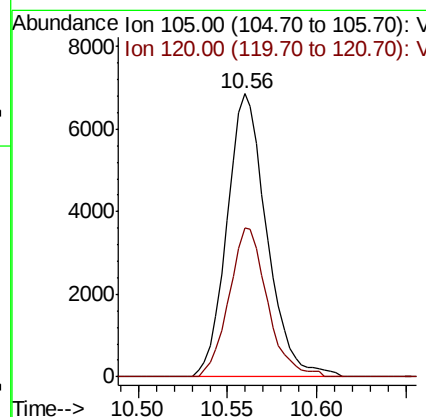
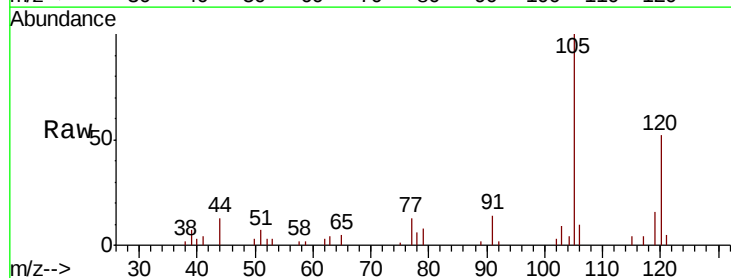
Instrument :
 MSVOA_V
 ClientSampleId :

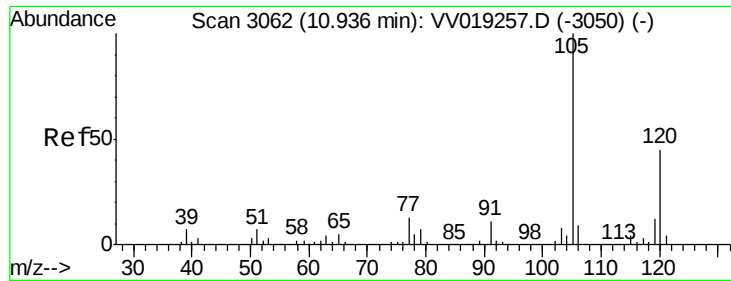
Tot Ion: 75 Resp: 4699
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.8 37.2
 110 40.3 33.4 50.2



#62
 1,3,5-Trimethylbenzene
 Concen: 2.012 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV019262.D
 Acq: 04 Nov 2020 23:33

Tgt Ion: 105 Resp: 10644
 Ion Ratio Lower Upper
 105 100
 120 50.4 38.3 57.5

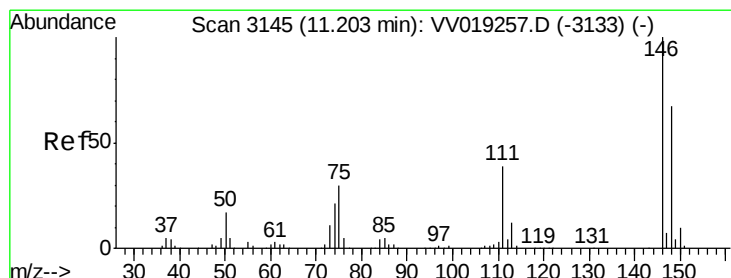
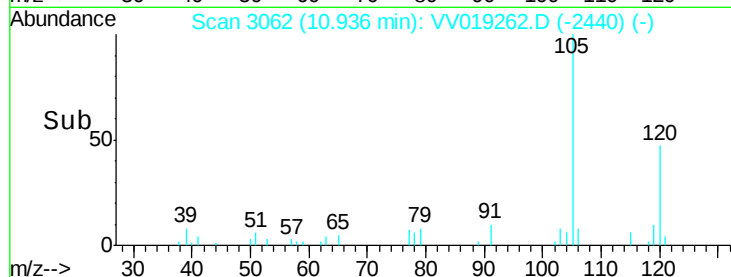
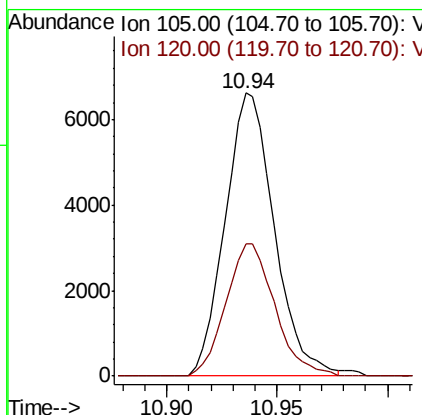
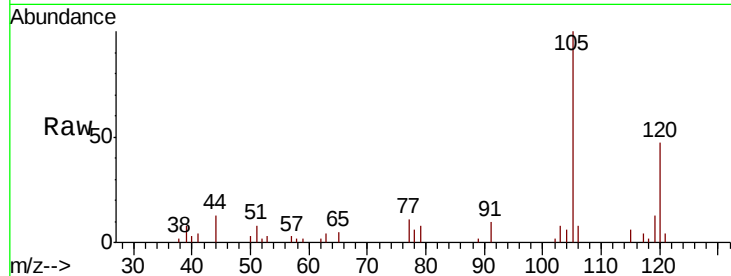




#63
 1,2,4-Trimethylbenzene
 Concen: 1.974 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV019262.D
 Acq: 04 Nov 2020 23:33

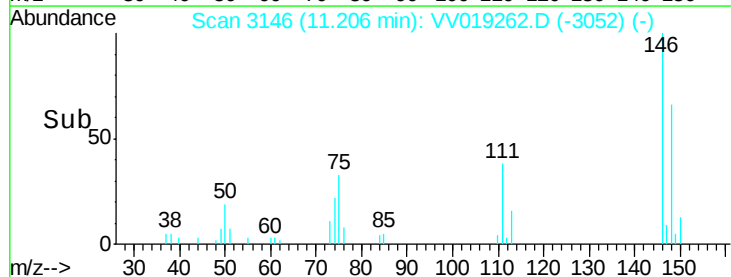
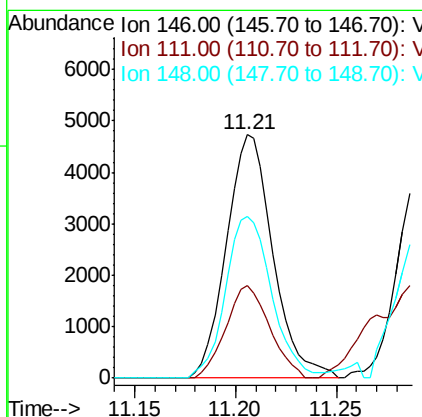
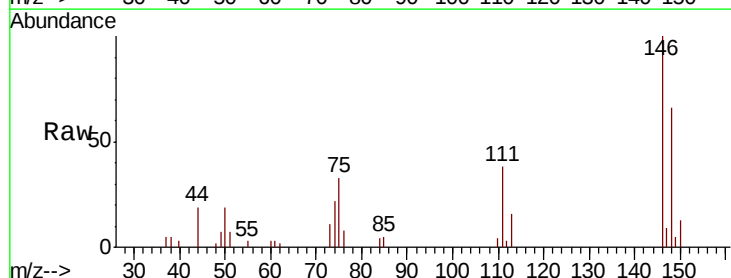
Instrument :
 MSVOA_V
 ClientSampleId :

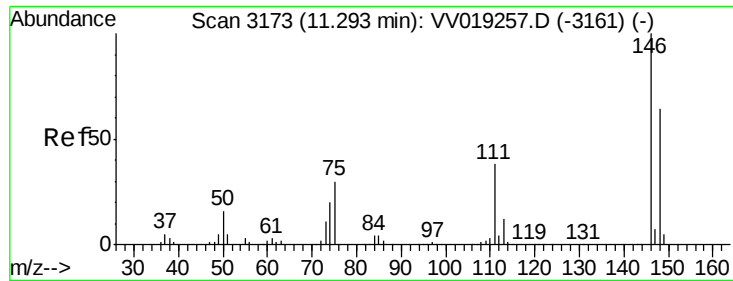
Tot Ion:105 Resp: 10218
 Ion Ratio Lower Upper
 105 100
 120 46.8 35.7 53.5



#64
 1,3-Dichlorobenzene
 Concen: 2.291 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019262.D
 Acq: 04 Nov 2020 23:33

Tgt Ion:146 Resp: 7610
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.3 50.7
 148 66.3 45.2 84.0





#65

1,4-Dichlorobenzene

Concen: 2.499 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

ClientSampleId :

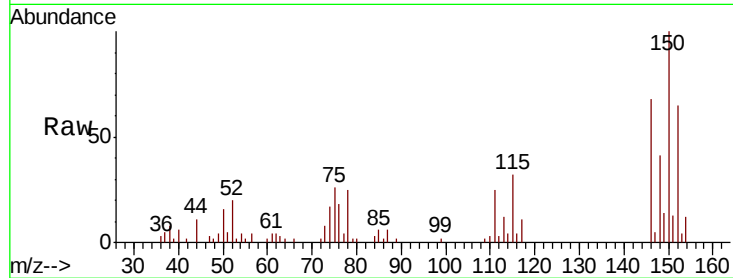
Tot Ion:146 Resp: 8588

Ion Ratio Lower Upper

146 100

111 36.6 25.9 48.1

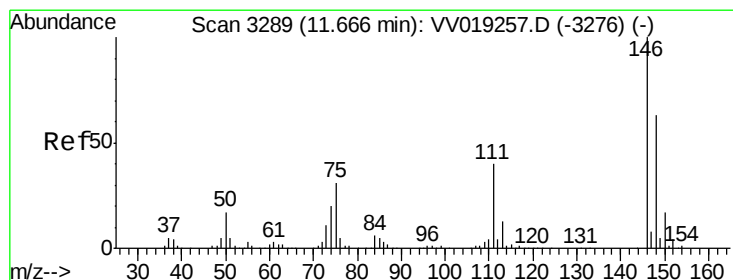
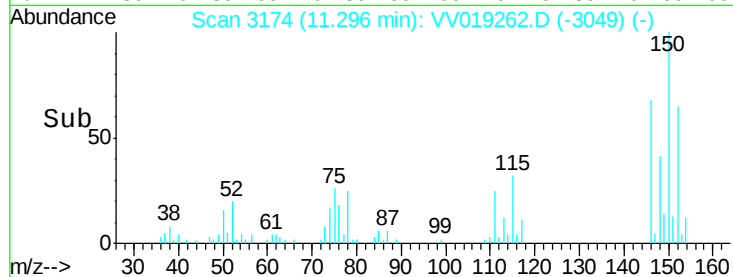
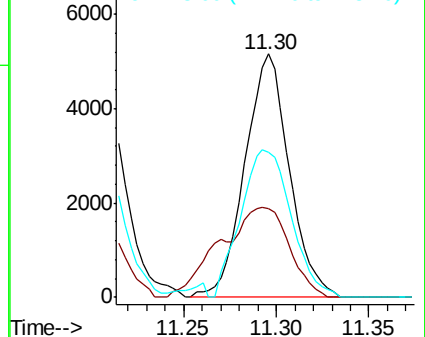
148 59.6 44.9 83.5



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



#67

1,2-Dichlorobenzene

Concen: 2.573 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

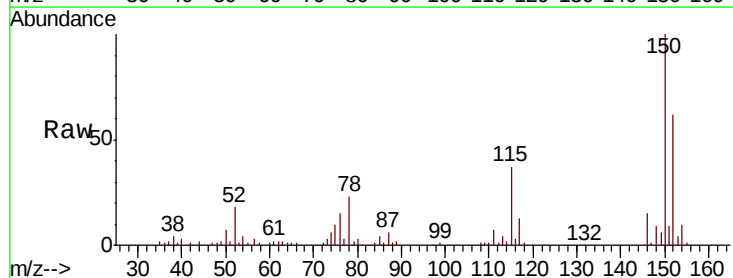
Tgt Ion:146 Resp: 8744

Ion Ratio Lower Upper

146 100

111 45.5 32.6 48.8

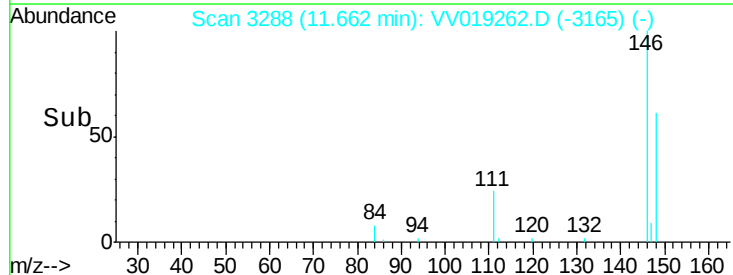
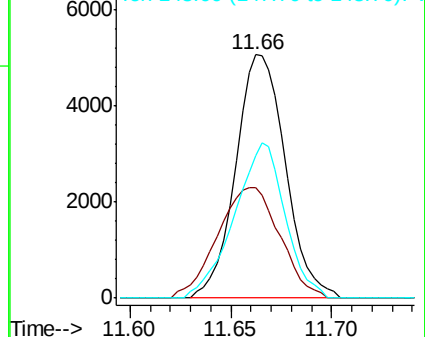
148 58.3 50.1 75.1

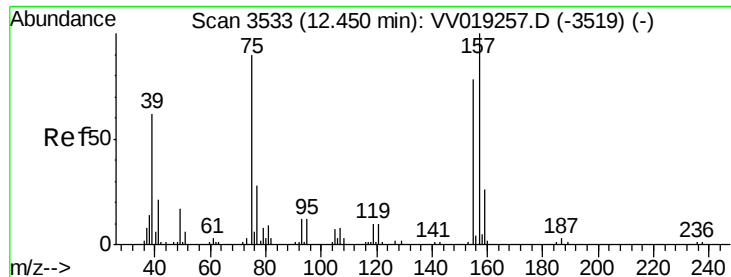


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 2.108 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. 0.01 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Instrument :

MSVOA_V

ClientSampleId :

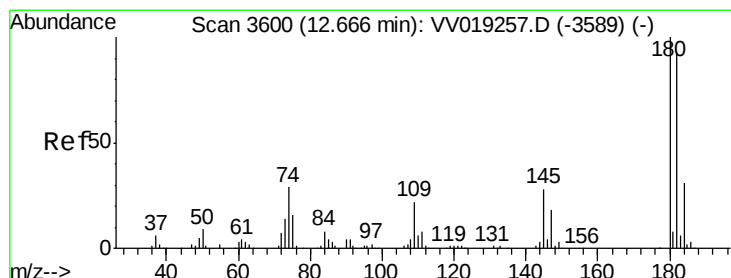
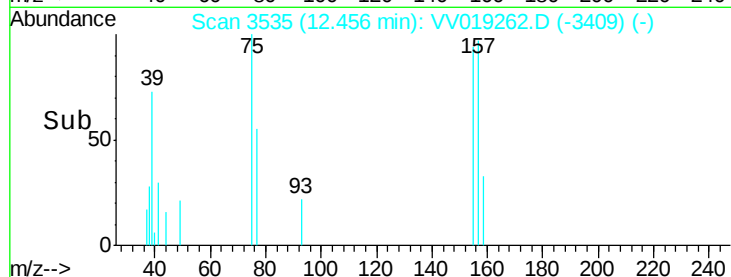
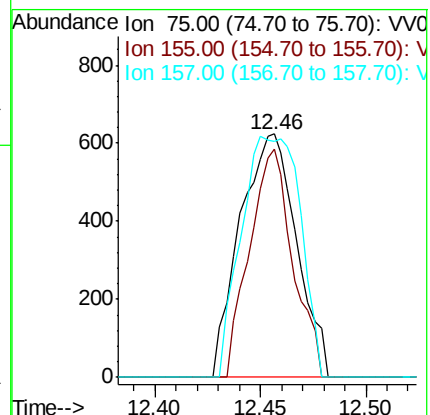
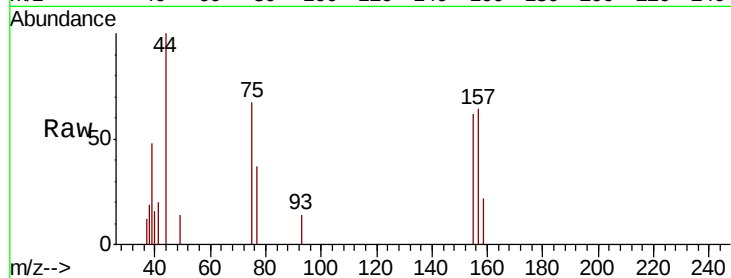
Tot Ion: 75 Resp: 1158

Ion Ratio Lower Upper

75 100

155 93.9 65.8 98.6

157 97.0 86.3 129.5



#69

1,3,5-Trichlorobenzene

Concen: 2.312 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV019262.D

Acq: 04 Nov 2020 23:33

Tgt Ion: 180 Resp: 5513

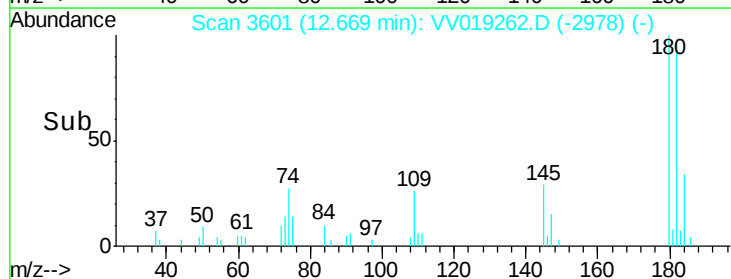
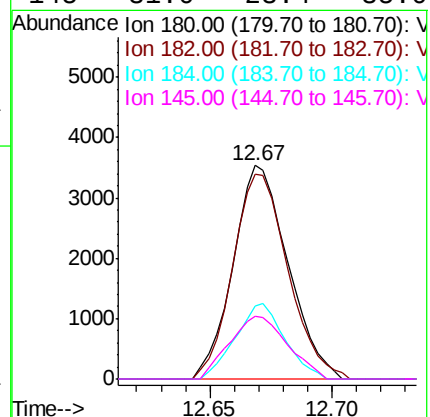
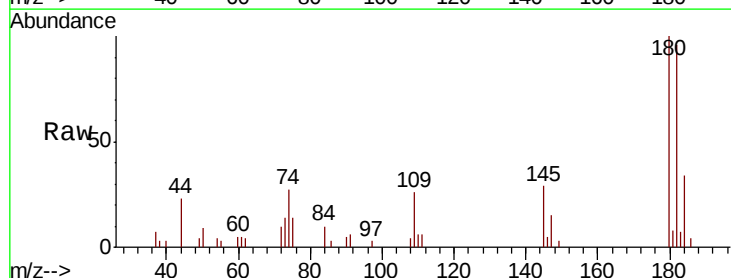
Ion Ratio Lower Upper

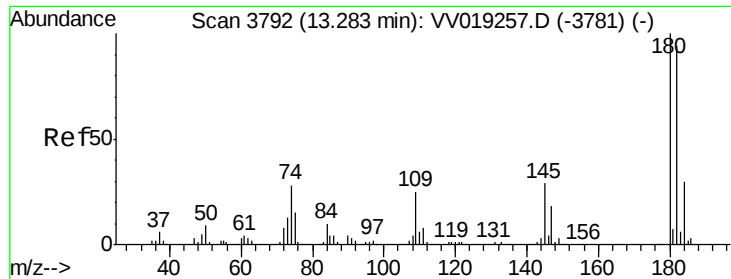
180 100

182 96.5 77.7 116.5

184 31.8 24.9 37.3

145 31.0 23.4 35.0

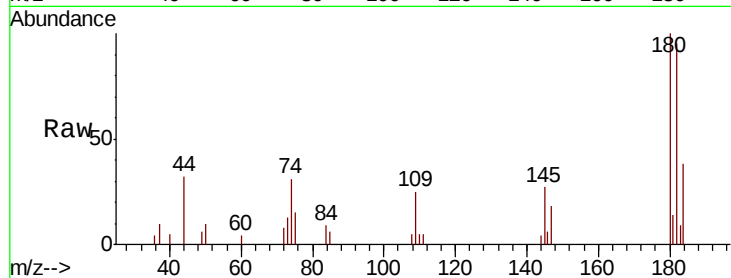




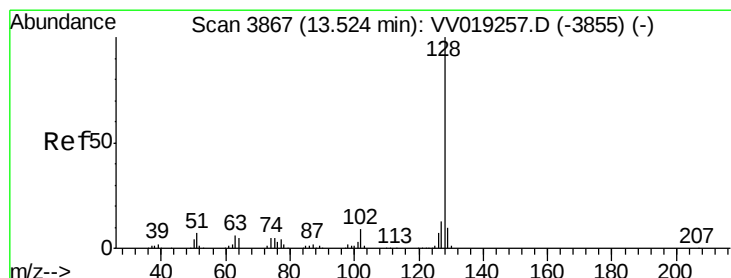
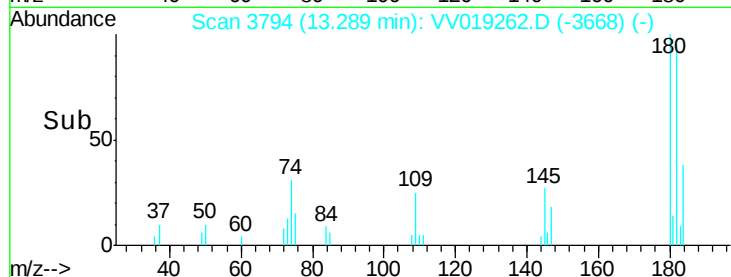
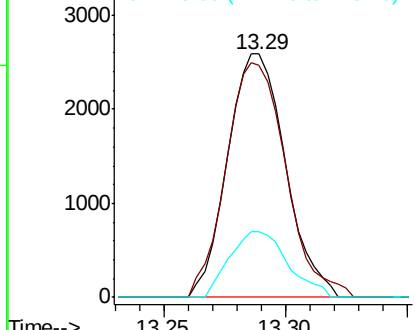
#70
 1,2,4-trichlorobenzene
 Concen: 1.900 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019262.D
 Acq: 04 Nov 2020 23:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 4263
 Ion Ratio Lower Upper
 180 100
 182 99.5 76.6 114.8
 145 27.2 23.2 34.8

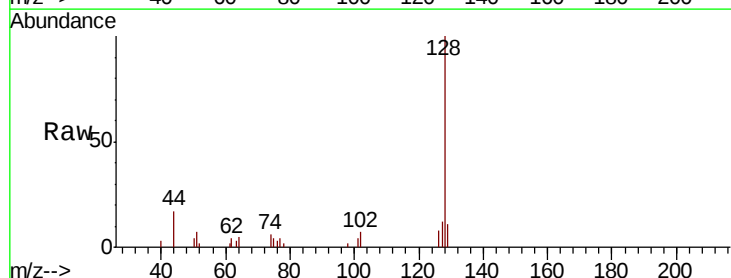


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

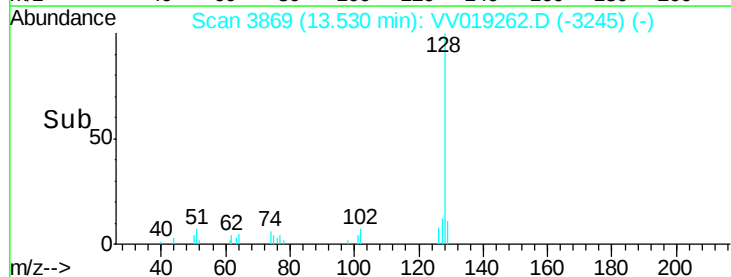
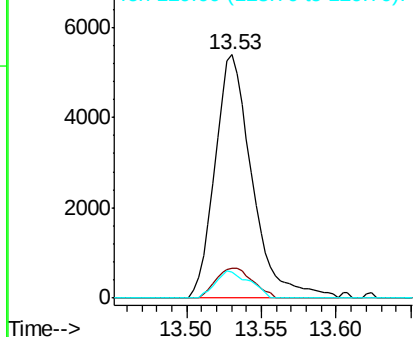


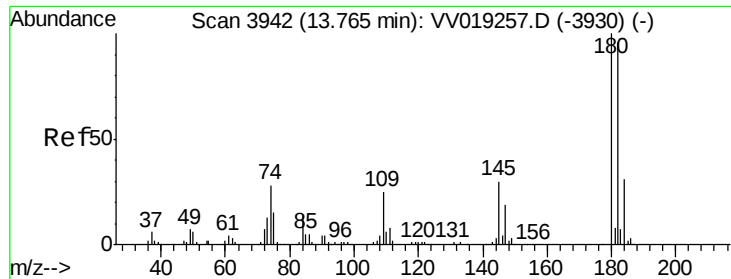
#71
 Naphthalene
 Concen: 1.475 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019262.D
 Acq: 04 Nov 2020 23:33

Tgt Ion:128 Resp: 9332
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.7 16.1
 129 10.2 8.6 13.0



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

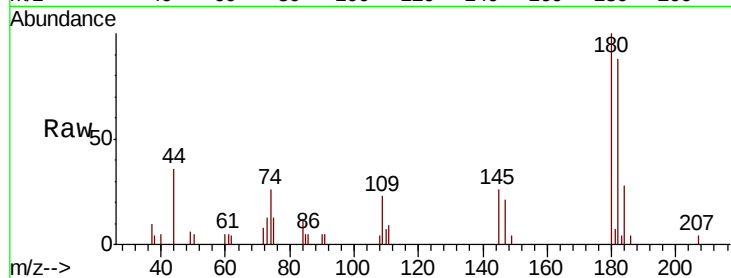




#72
 1,2,3-Trichlorobenzene
 Concen: 2.031 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019262.D
 Acq: 04 Nov 2020 23:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	77.4	116.0
145	25.9	24.7	37.1



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

