

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122920\
 Data File : VV019867.D
 Acq On : 29 Dec 2020 16:53
 Operator : SY/MD
 Sample : L4485-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-02

Quant Time: Dec 30 04:49:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 30 04:48:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	262498	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	247605	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	114950	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	92927	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.57	69	80484	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.10	63	147255	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	3.94	46	196945	49.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	4.35	84	167826	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.04	65	88879	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.05	84	339289	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.07	67	106117	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.32	98	287937	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.63	79	32983	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.10	63	129595	45.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.60%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	59878	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
66) 1,2-Dichlorobenzene-d4	11.63	152	93324	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	6204	0.247	ug/L	97
3) Chloromethane	1.24	50	7208	0.260	ug/L	92
5) Vinyl chloride	1.31	62	6760	0.248	ug/L #	80
6) Bromomethane	1.52	94	4212	0.264	ug/L	91
8) Chloroethane	1.58	64	3782	0.227	ug/L	86
9) Trichlorofluoromethane	1.75	101	7782	0.235	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	5632	0.316	ug/L	86
12) 1,1-Dichloroethene	2.11	96	5682	0.312	ug/L #	1
14) Carbon disulfide	2.29	76	15242	0.242	ug/L #	90
16) Methylene chloride	2.51	84	7453	0.337	ug/L	95
17) Methyl tert-butyl Ether	2.78	73	10962	0.241	ug/L	96
18) trans-1,2-Dichloroethene	2.76	96	4892	0.238	ug/L	93
19) 1,1-Dichloroethane	3.19	63	9064	0.228	ug/L	96
22) cis-1,2-Dichloroethene	3.92	96	4895	0.229	ug/L	83
23) Bromochloromethane	4.26	128	2034	0.239	ug/L #	88
25) Chloroform	4.38	83	17599	0.445	ug/L	93
27) 1,2-Dichloroethane	5.15	62	5792	0.240	ug/L	97

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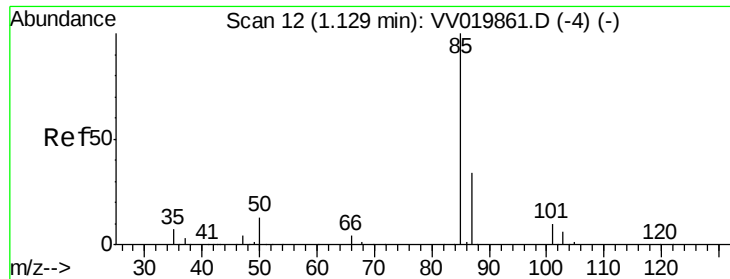
Instrument :
 MSVOA_V
 ClientSampleId :
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Quant Time: Dec 30 04:49:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 30 04:48:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

29) 1,1,1-Trichloroethane	4.61	97	7666	0.227	ug/L #	84
30) Cyclohexane	4.68	56	7323	0.216	ug/L	99
31) Carbon tetrachloride	4.83	117	5797	0.210	ug/L	99
33) Benzene	5.11	78	18300	0.221	ug/L	100
34) Trichloroethene	5.93	95	5101	0.230	ug/L	94
35) Methylcyclohexane	6.14	83	7632	0.230	ug/L	94
37) 1,2-Dichloropropane	6.18	63	4756	0.229	ug/L #	94
38) Bromodichloromethane	6.52	83	5894	0.230	ug/L	88
39) cis-1,3-Dichloropropene	7.05	75	5884	0.206	ug/L	88
40) 4-Methyl-2-pentanone	7.24	43	24540	2.090	ug/L #	87
42) Toluene	7.40	91	19314	0.229	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	6780	0.290	ug/L	89
45) 1,1,2-Trichloroethane	7.85	97	2982	0.222	ug/L	83
47) Tetrachloroethene	7.98	164	3618	0.240	ug/L	88
48) 2-Hexanone	8.15	43	31910	3.922	ug/L	95
49) Dibromochloromethane	8.25	129	3177	0.218	ug/L	90
50) 1,2-Dibromoethane	8.36	107	2883	0.236	ug/L #	94
51) Chlorobenzene	8.89	112	12504	0.235	ug/L	92
52) Ethylbenzene	9.02	91	20182	0.216	ug/L	97
53) m,p-xylene	9.15	106	7293	0.214	ug/L	98
54) o-xylene	9.55	106	6886	0.211	ug/L	94
55) Styrene	9.57	104	10488	0.190	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.25	83	3525	0.248	ug/L	89
59) Bromoform	9.74	173	1242	0.199	ug/L #	82
60) Isopropylbenzene	9.94	105	18535	0.221	ug/L	98
61) 1,2,3-Trichloropropane	10.28	75	2481	0.223	ug/L #	88
62) 1,3,5-Trimethylbenzene	10.55	105	14726	0.213	ug/L	97
63) 1,2,4-Trimethylbenzene	10.92	105	14943	0.212	ug/L	98
64) 1,3-Dichlorobenzene	11.19	146	8241	0.224	ug/L	94
65) 1,4-Dichlorobenzene	11.28	146	9234	0.251	ug/L	98
67) 1,2-Dichlorobenzene	11.66	146	8499	0.252	ug/L #	91
68) 1,2-Dibromo-3-chloropropan	12.44	75	410	0.179	ug/L #	77
69) 1,3,5-Trichlorobenzene	12.65	180	5989	0.220	ug/L	89
70) 1,2,4-trichlorobenzene	13.27	180	4727	0.213	ug/L	99
71) Naphthalene	13.51	128	5681	0.170	ug/L	99
72) 1,2,3-Trichlorobenzene	13.76	180	3855	0.205	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.247 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

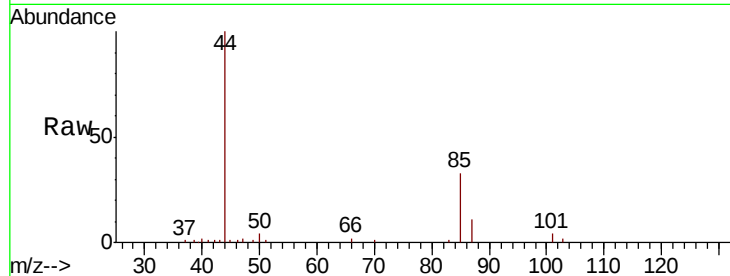
MDL-WATER-02

Tot Ion: 85 Resp: 6204

Ion Ratio Lower Upper

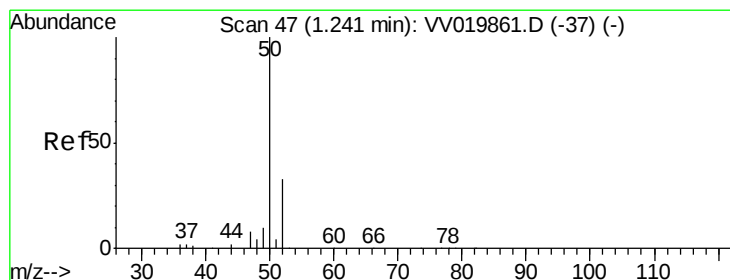
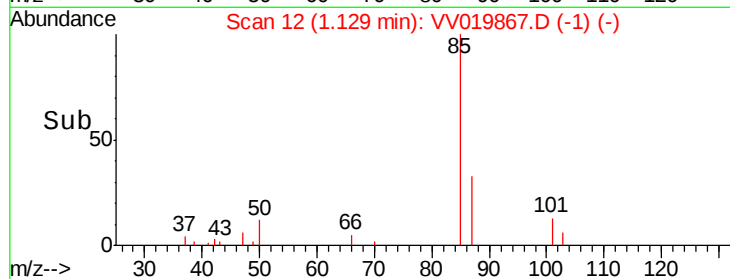
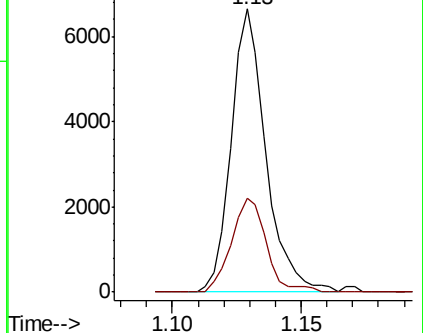
85 100

87 33.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV019867.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VV019867.D (-4) (-)



#3

Chloromethane

Concen: 0.260 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019867.D

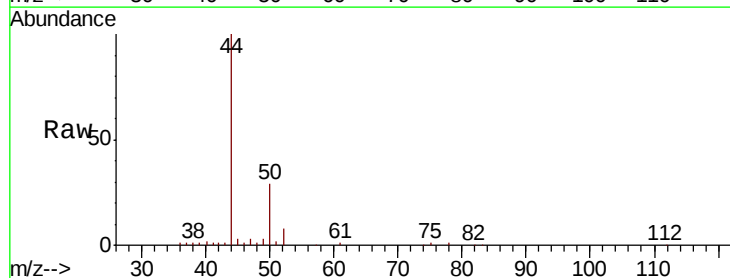
Acq: 29 Dec 2020 16:53

Tgt Ion: 50 Resp: 7208

Ion Ratio Lower Upper

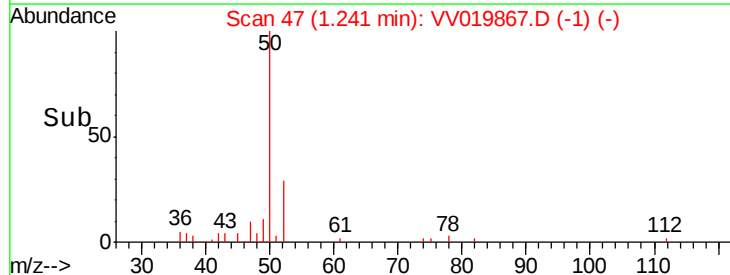
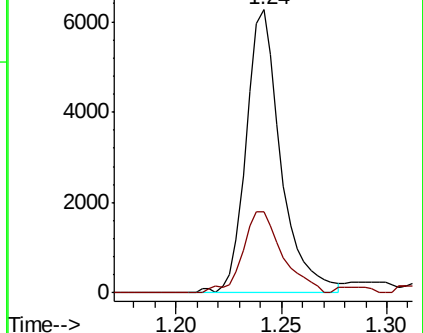
50 100

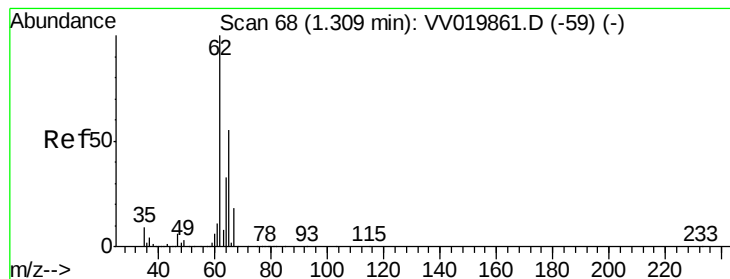
52 28.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV019867.D (-37) (-)

Ion 52.05 (51.75 to 52.75): VV019867.D (-37) (-)





#5

Vinyl chloride

Concen: 0.248 ug/L

RT: 1.31 min Scan# 68

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

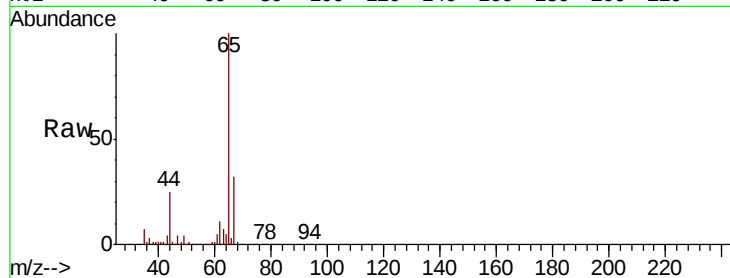
MDL-WATER-02

Tot Ion: 62 Resp: 6760

Ion Ratio Lower Upper

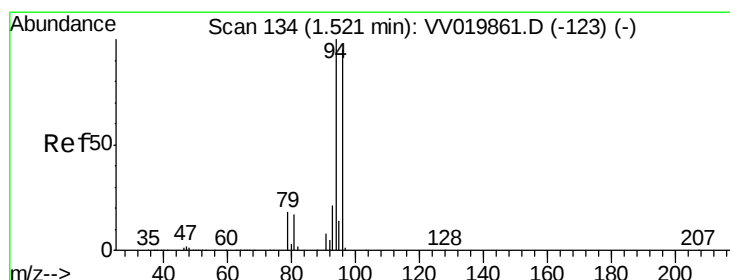
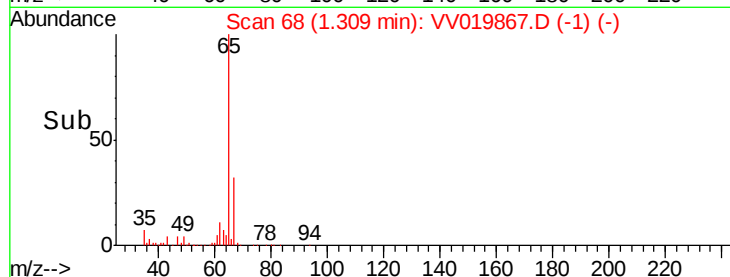
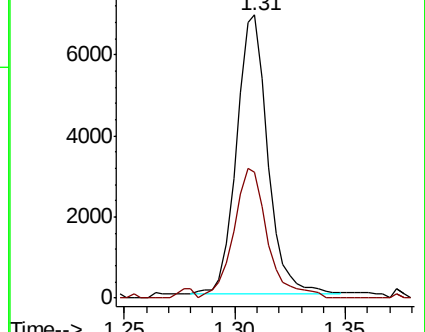
62 100

64 44.3 23.2 43.2#



Abundance Ion 62.00 (61.70 to 62.70): VV019867.D (-59) (-)

Ion 64.10 (63.80 to 64.80): VV019867.D (-59) (-)



#6

Bromomethane

Concen: 0.264 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV019867.D

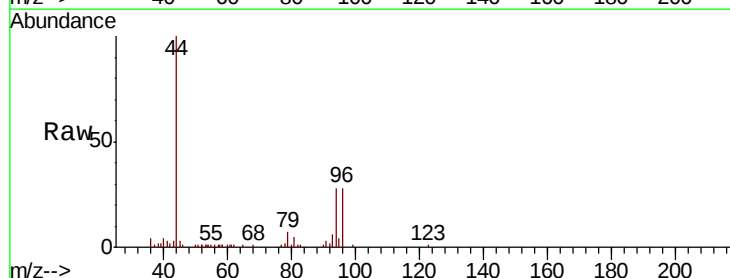
Acq: 29 Dec 2020 16:53

Tgt Ion: 94 Resp: 4212

Ion Ratio Lower Upper

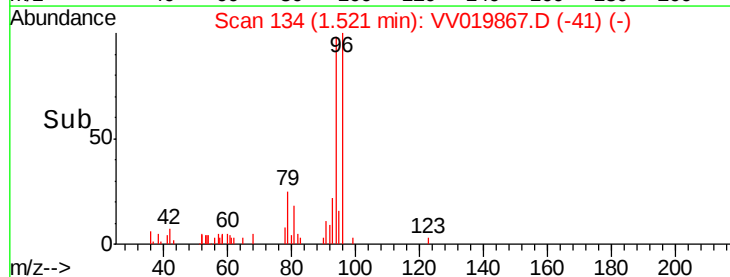
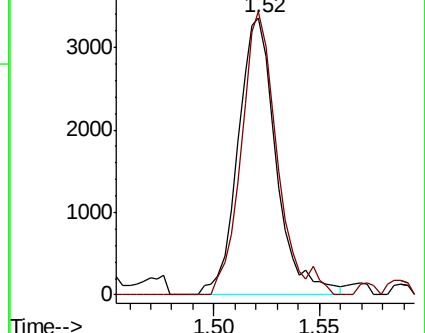
94 100

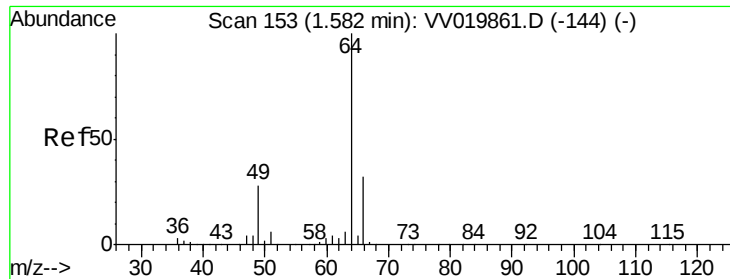
96 102.1 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV019867.D (-123) (-)

Ion 96.00 (95.70 to 96.70): VV019867.D (-123) (-)

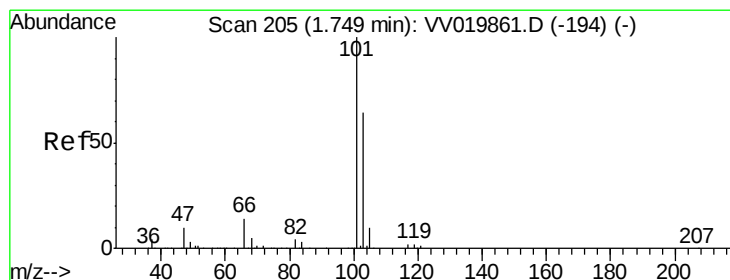
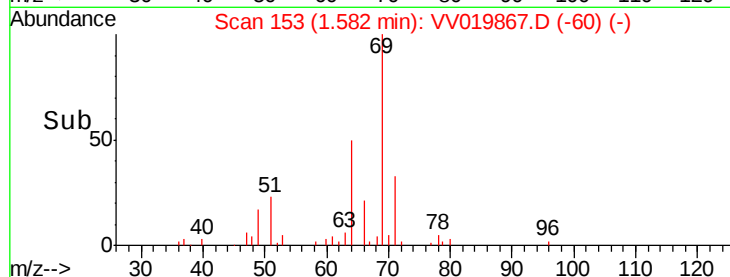
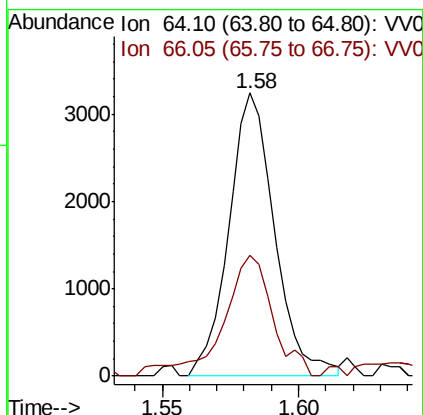
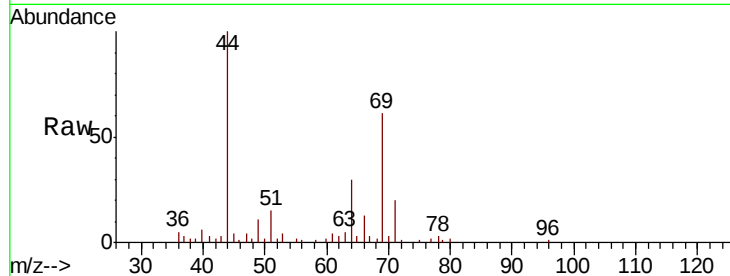




#8
Chloroethane
Concen: 0.227 ug/L
RT: 1.58 min Scan# 153
Delta R.T. -0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

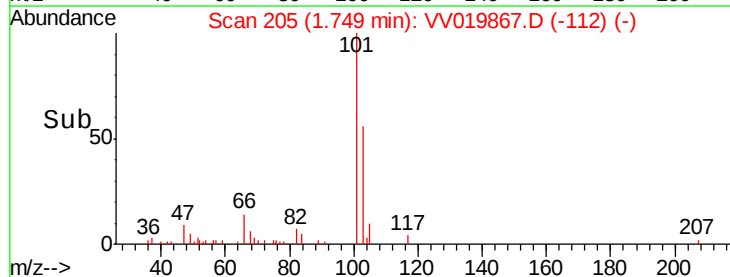
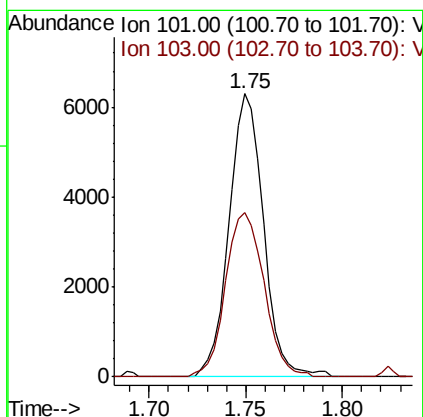
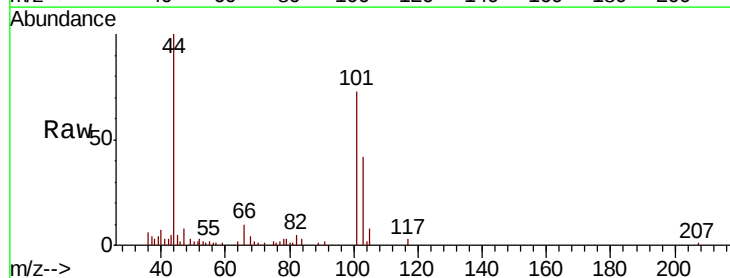
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

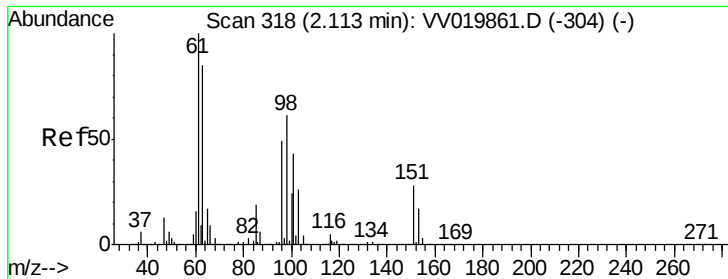
Tot Ion: 64 Resp: 3782
Ion Ratio Lower Upper
64 100
66 39.4 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.235 ug/L
RT: 1.75 min Scan# 205
Delta R.T. -0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Tgt Ion: 101 Resp: 7782
Ion Ratio Lower Upper
101 100
103 65.3 51.8 77.8





#10

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

Concen: 0.316 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-02

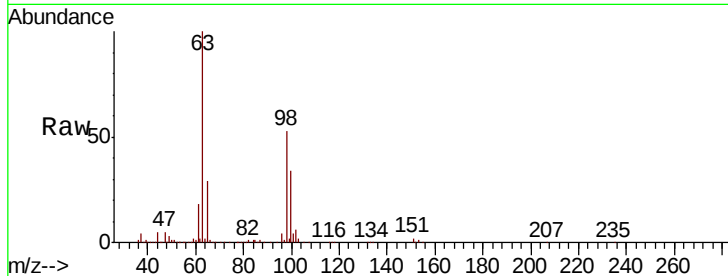
Tot Ion:101 Resp: 5632

Ion Ratio Lower Upper

101 100

85 37.0 36.4 54.6

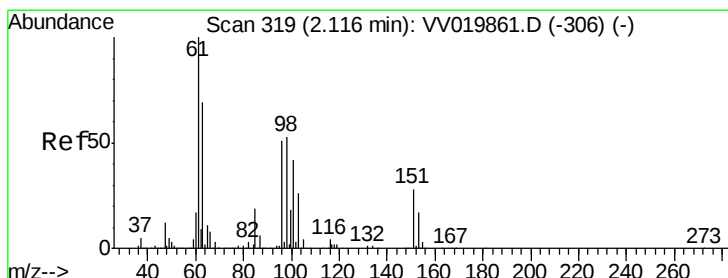
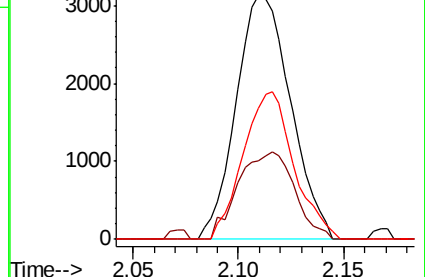
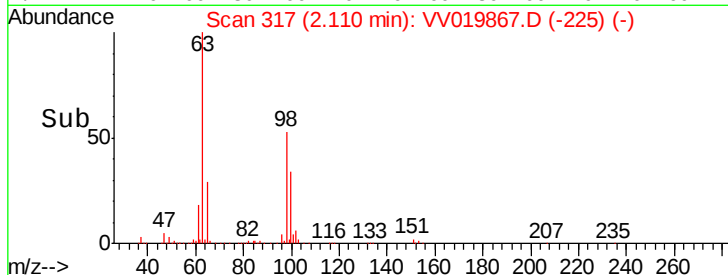
151 56.2 54.1 81.1



Abundance Ion 101.00 (100.70 to 101.70): VV019861.D (-304) (-)

Ion 85.00 (84.70 to 85.70): VV019867.D (-225) (-)

Ion 151.00 (150.70 to 151.70): VV019867.D (-226) (-)



#12

1,1-Dichloroethene

Concen: 0.312 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

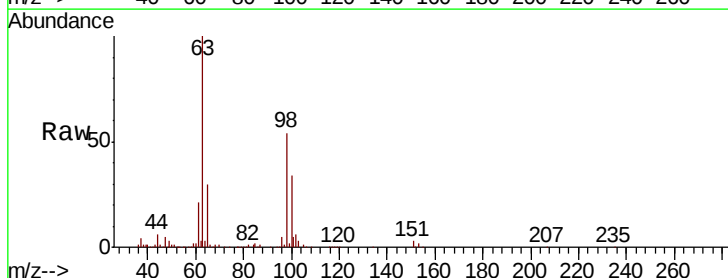
Tgt Ion: 96 Resp: 5682

Ion Ratio Lower Upper

96 100

61 395.5 131.5 244.1#

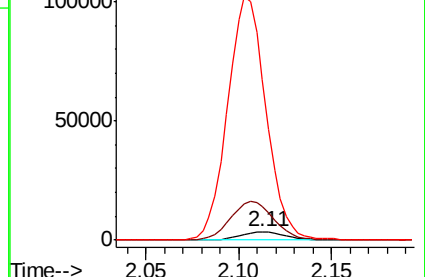
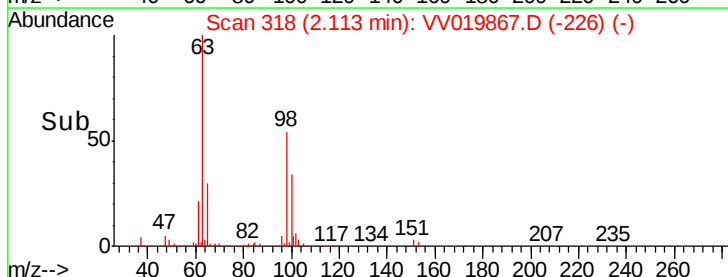
63 1899.4 95.2 176.8#

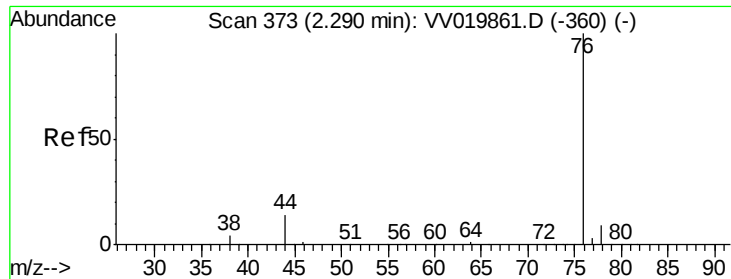


Abundance Ion 96.00 (95.70 to 96.70): VV019861.D (-306) (-)

Ion 61.05 (60.75 to 61.75): VV019867.D (-225) (-)

Ion 63.00 (62.70 to 63.70): VV019867.D (-226) (-)





#14

Carbon disulfide

Concen: 0.242 ug/L

RT: 2.29 min Scan# 373

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

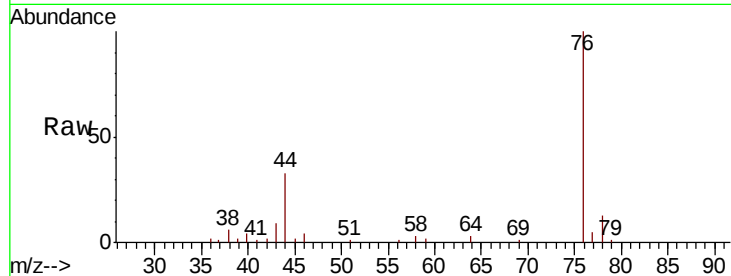
MDL-WATER-02

Tot Ion: 76 Resp: 15242

Ion Ratio Lower Upper

76 100

78 12.7 7.2 10.8#

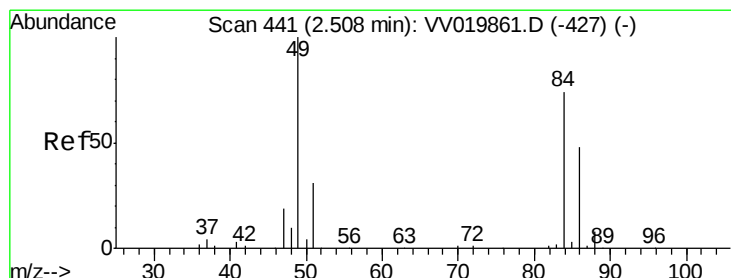
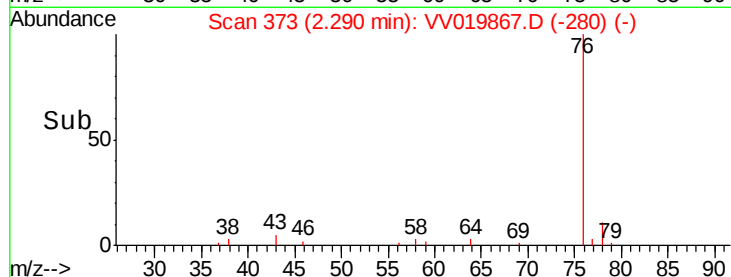


Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.29

Time-->



#16

Methylene chloride

Concen: 0.337 ug/L

RT: 2.51 min Scan# 441

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

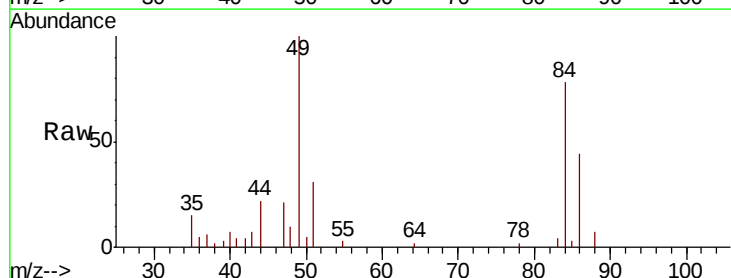
Tgt Ion: 84 Resp: 7453

Ion Ratio Lower Upper

84 100

86 57.0 42.8 79.4

49 128.5 93.9 174.3



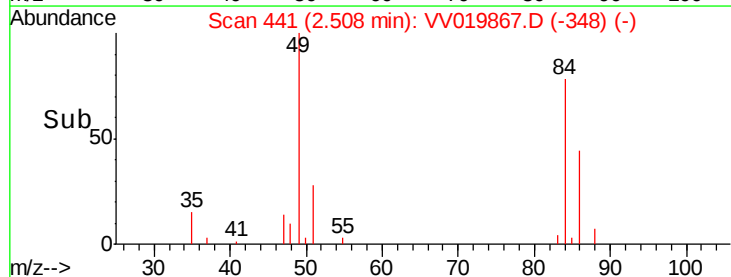
Abundance Ion 84.05 (83.75 to 84.75): VV0

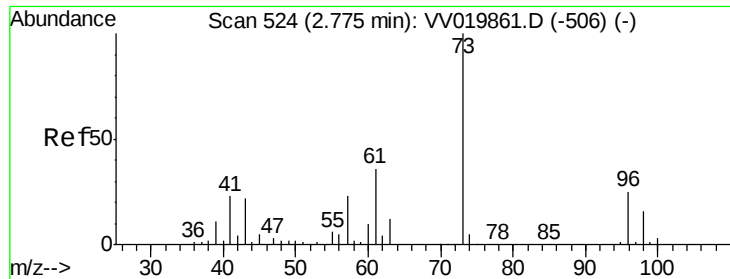
Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2.51

Time-->

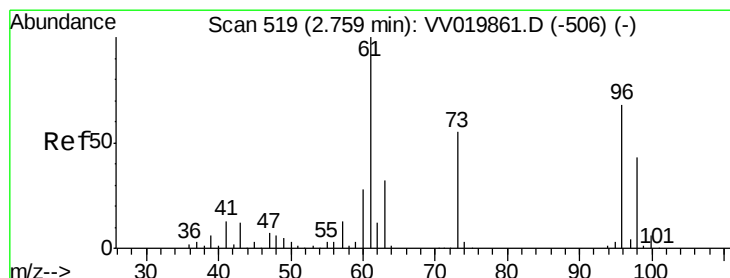
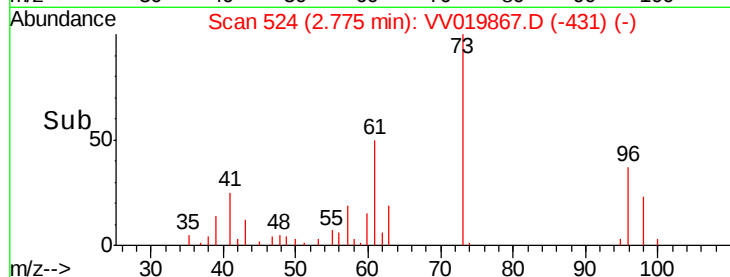
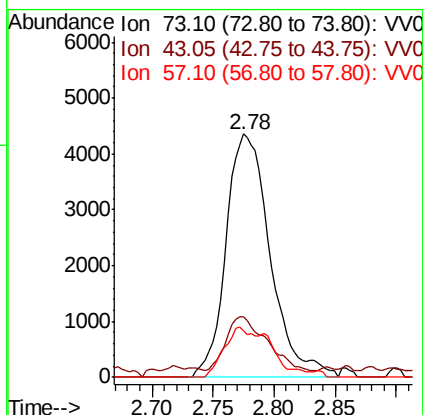
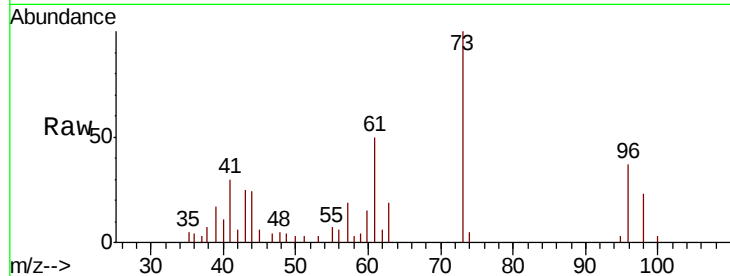




#17
Methvl tert-butvl Ether
Concen: 0.241 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

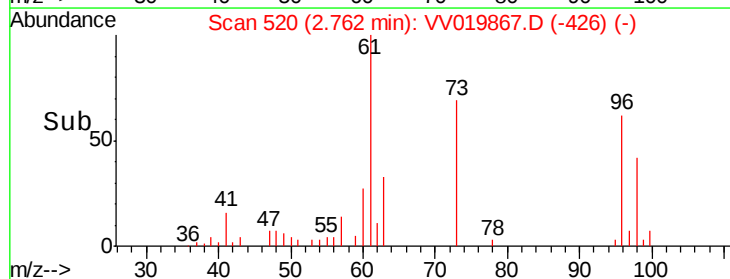
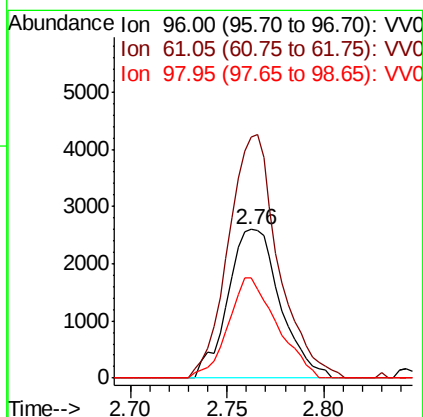
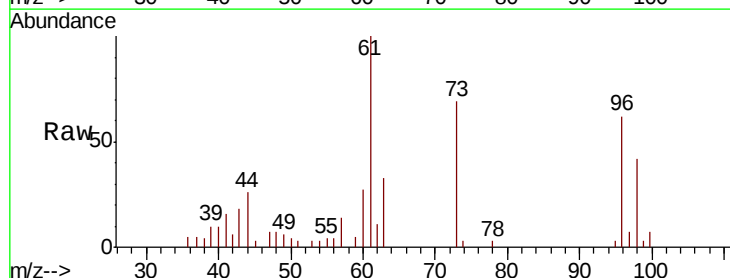
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

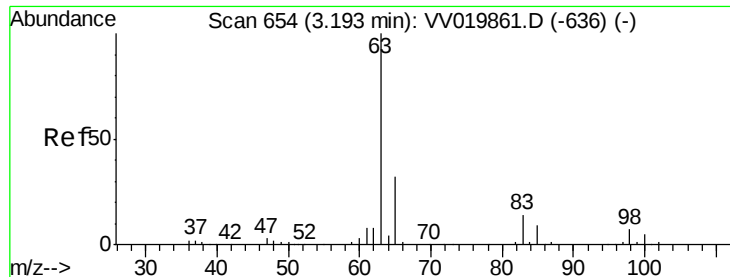
Tot Ion: 73 Resp: 10962
Ion Ratio Lower Upper
73 100
43 23.9 17.0 25.6
57 21.9 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 0.238 ug/L
RT: 2.76 min Scan# 520
Delta R.T. 0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Tgt Ion: 96 Resp: 4892
Ion Ratio Lower Upper
96 100
61 162.4 106.3 197.3
98 67.7 44.7 82.9





#19

1,1-Dichloroethane

Concen: 0.228 ug/L

RT: 3.19 min Scan# 654

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-02

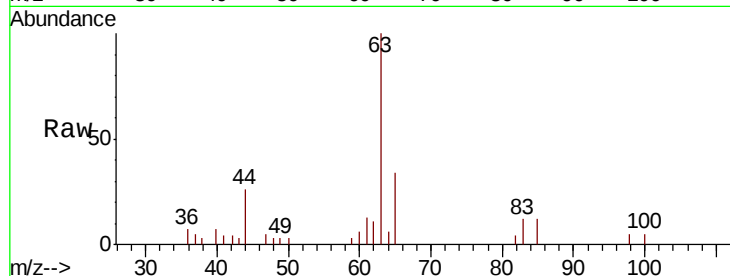
Tot Ion: 63 Resp: 9064

Ion Ratio Lower Upper

63 100

65 33.6 21.8 40.6

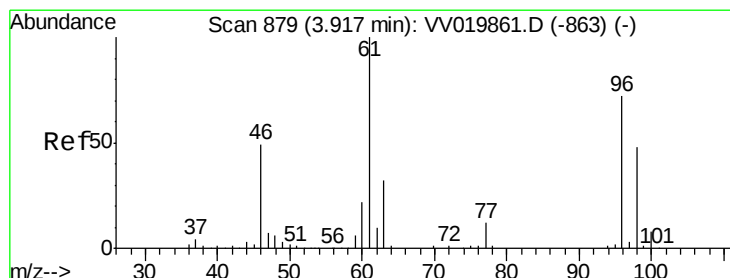
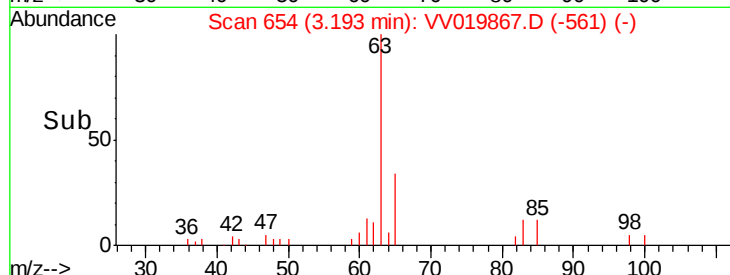
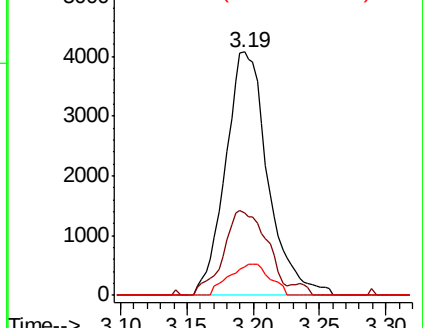
83 12.0 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.229 ug/L

RT: 3.92 min Scan# 881

Delta R.T. 0.01 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

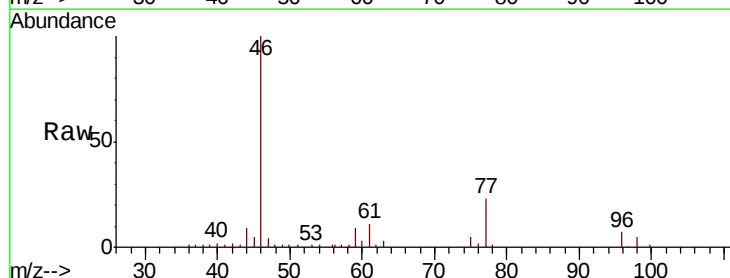
Tgt Ion: 96 Resp: 4895

Ion Ratio Lower Upper

96 100

61 160.9 98.1 182.3

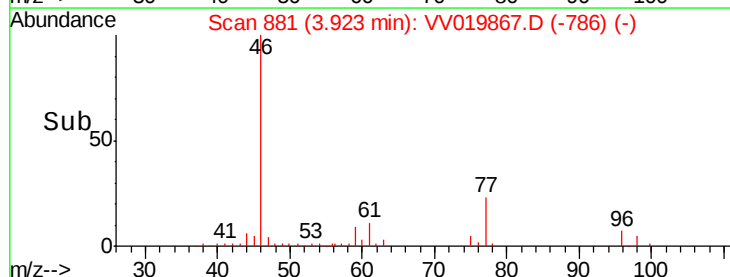
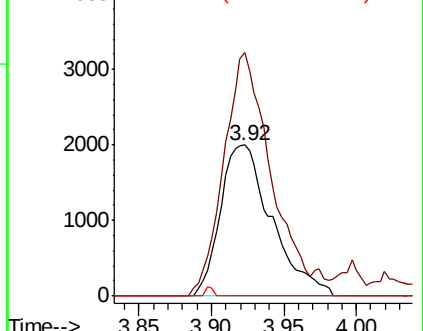
68 0.0 0.0 0.0

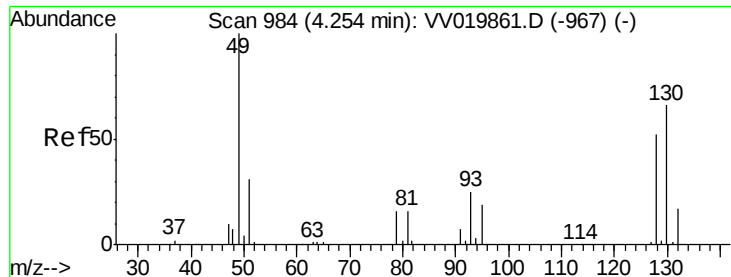


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#23

Bromochloromethane

Concen: 0.239 ug/L

RT: 4.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-02

Tot Ion:128 Resp: 2034

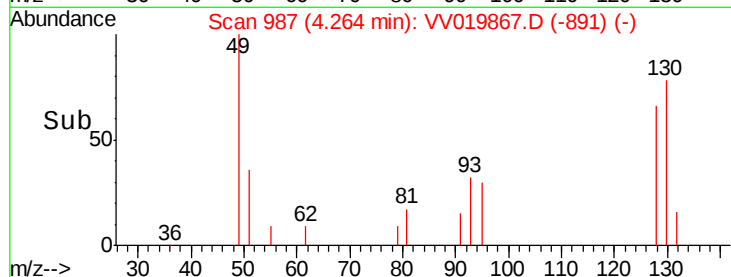
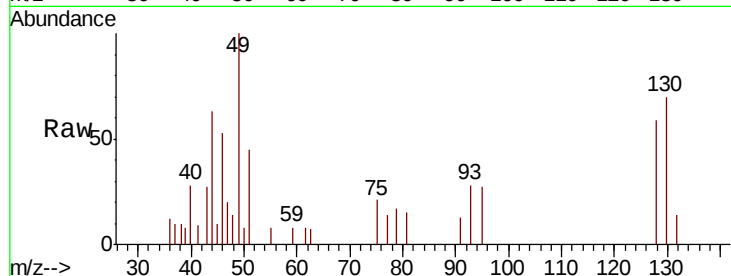
Ion Ratio Lower Upper

128 100

49 170.2 132.6 246.2

130 118.4 86.4 160.4

51 77.0 48.0 72.0#

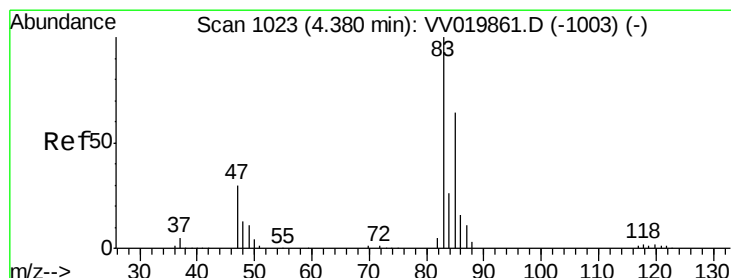
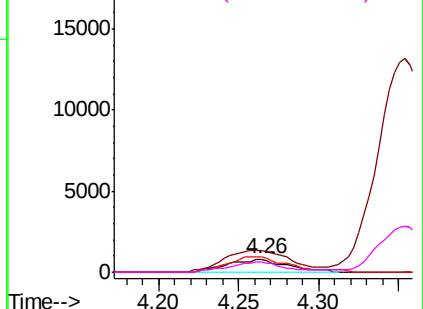


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 0.445 ug/L

RT: 4.38 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VV019867.D

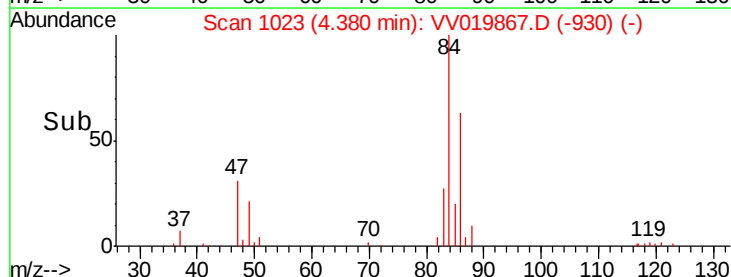
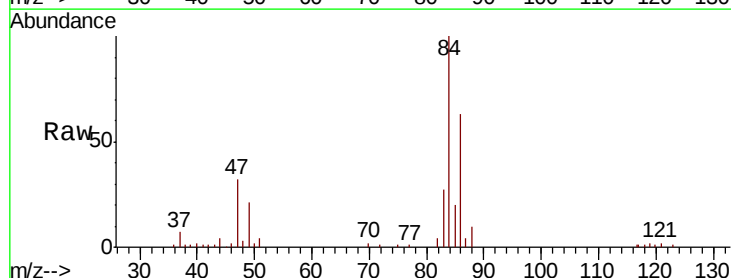
Acq: 29 Dec 2020 16:53

Tgt Ion: 83 Resp: 17599

Ion Ratio Lower Upper

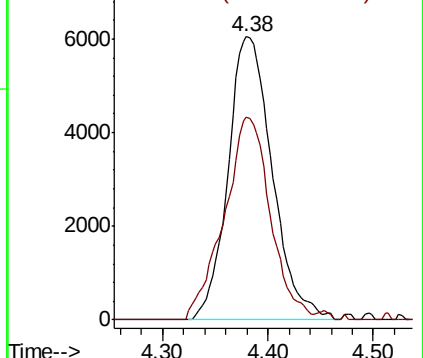
83 100

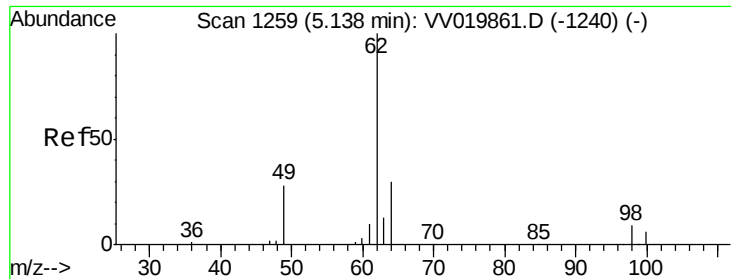
85 71.7 46.4 86.2



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

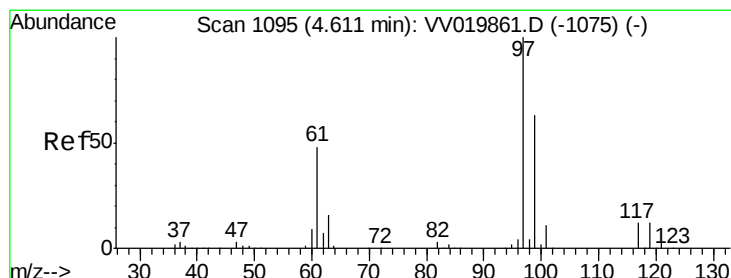
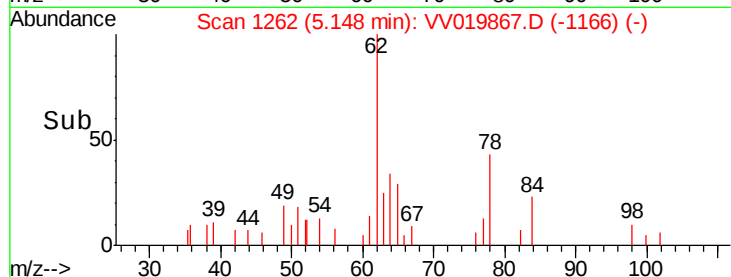
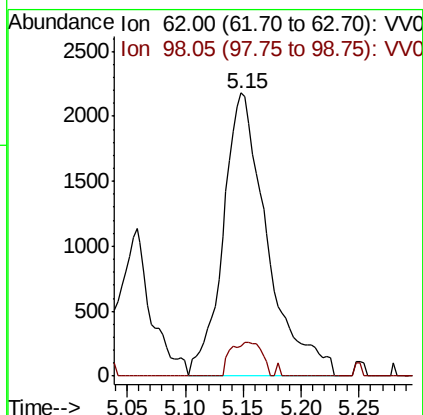
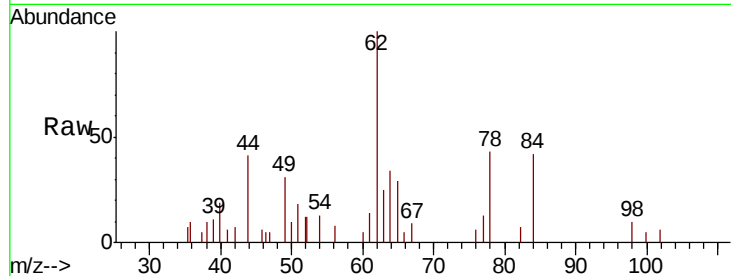




#27
 1,2-Dichloroethane
 Concen: 0.240 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VV019867.D
 Acq: 29 Dec 2020 16:53

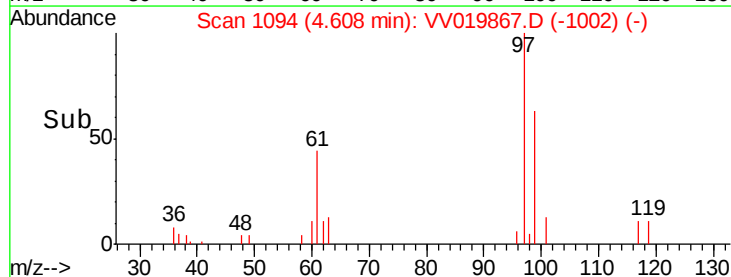
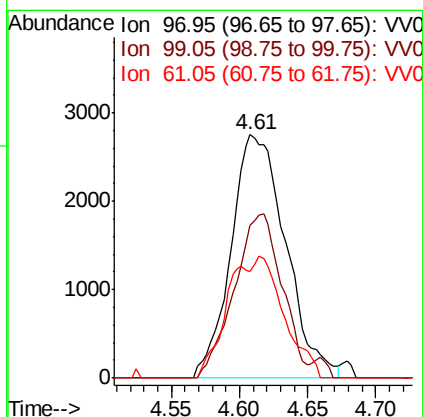
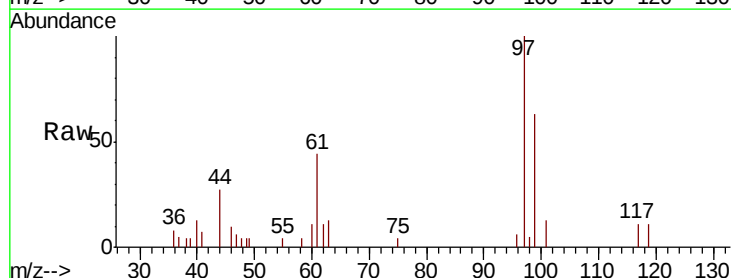
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-02

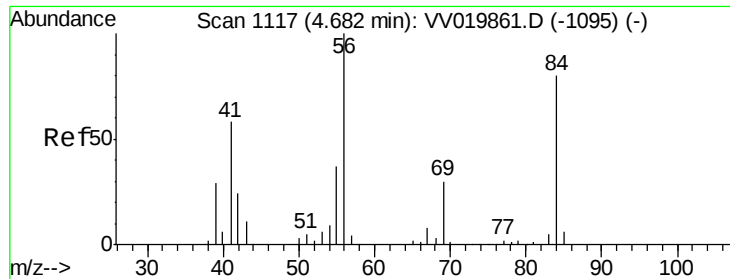
Tot Ion: 62 Resp: 5792
 Ion Ratio Lower Upper
 62 100
 98 10.5 7.6 11.4



#29
 1,1,1-Trichloroethane
 Concen: 0.227 ug/L
 RT: 4.61 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VV019867.D
 Acq: 29 Dec 2020 16:53

Tgt Ion: 97 Resp: 7666
 Ion Ratio Lower Upper
 97 100
 99 58.9 51.1 76.7
 61 28.1 38.6 57.8#

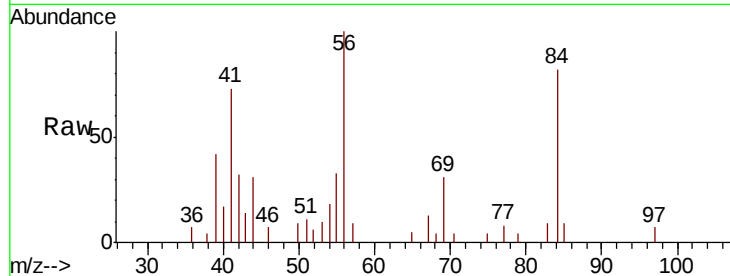




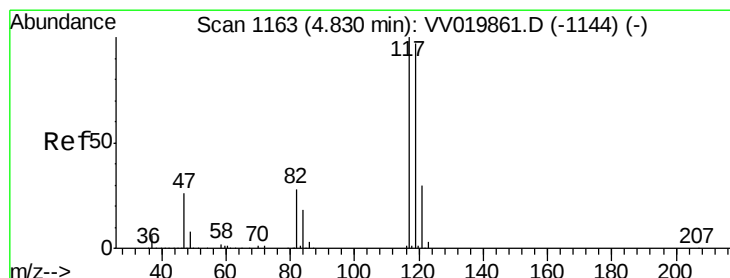
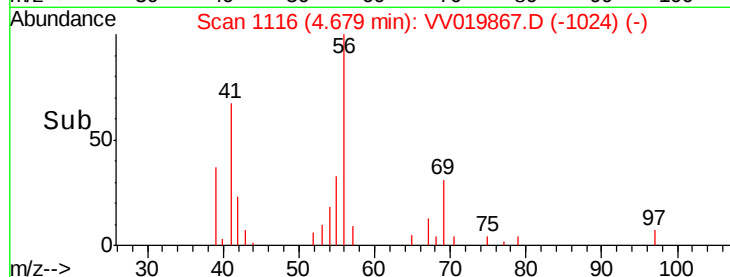
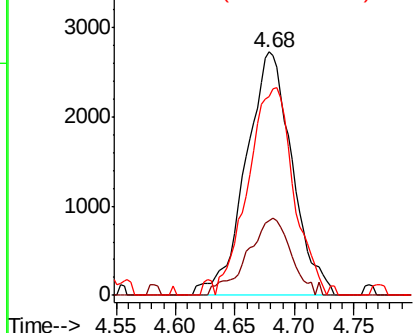
#30
Cyclohexane
Concen: 0.216 ug/L
RT: 4.68 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

Tot Ion: 56 Resp: 7323
Ion Ratio Lower Upper
56 100
69 30.2 24.1 36.1
84 84.1 66.8 100.2

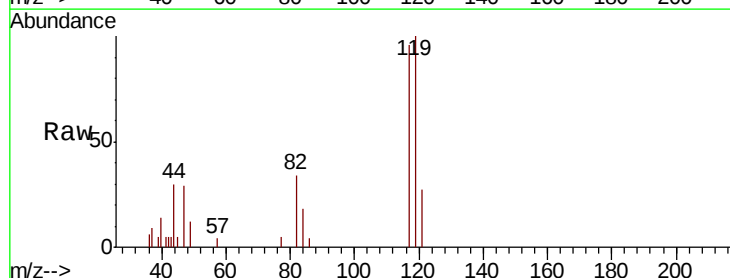


Abundance Ion 56.10 (55.80 to 56.80): VV019861.D (-1095) (-)
Ion 69.15 (68.85 to 69.85): VV019861.D (-1095) (-)
Ion 84.15 (83.85 to 84.85): VV019861.D (-1095) (-)

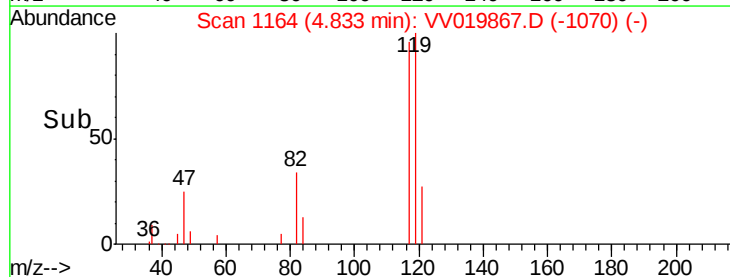
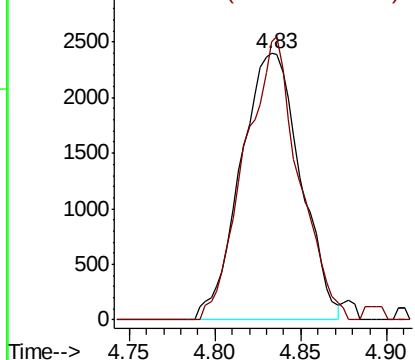


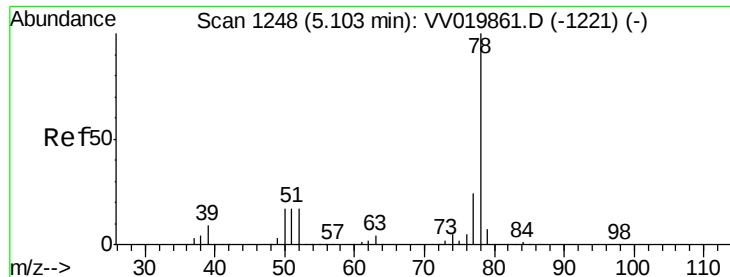
#31
Carbon tetrachloride
Concen: 0.210 ug/L
RT: 4.83 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Tgt Ion: 117 Resp: 5797
Ion Ratio Lower Upper
117 100
119 96.4 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): VV019861.D (-1144) (-)
Ion 118.90 (118.60 to 119.60): VV019861.D (-1144) (-)





#33

Benzene

Concen: 0.221 ug/L

RT: 5.11 min Scan# 1249

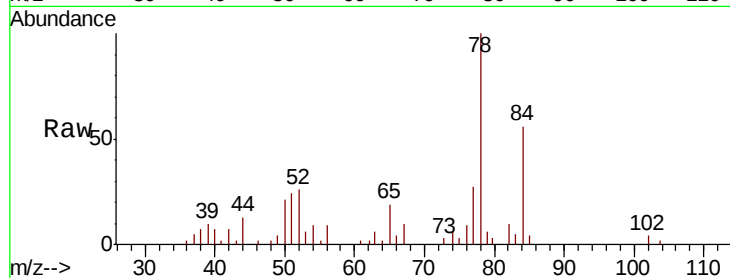
Delta R.T. 0.00 min

Lab File: VV019867.D

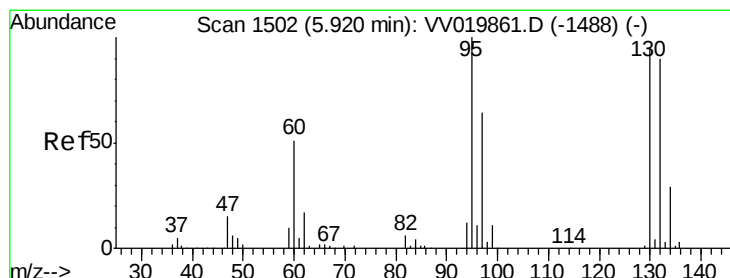
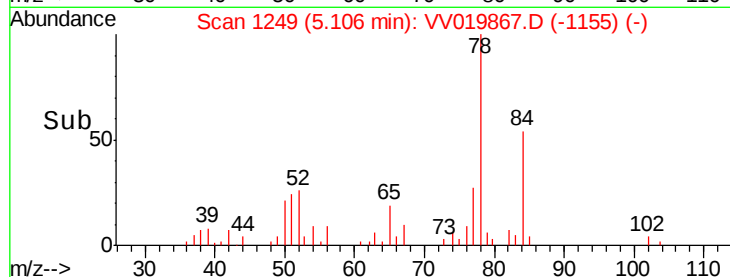
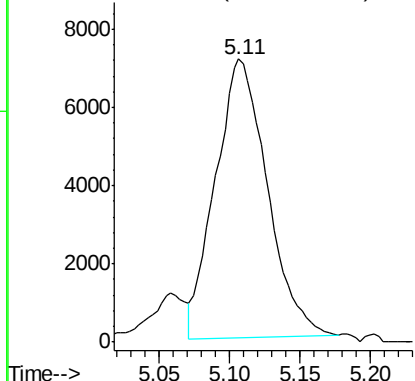
Acq: 29 Dec 2020 16:53

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

Tgt Ion: 78 Resp: 18300



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.230 ug/L

RT: 5.93 min Scan# 1505

Delta R.T. 0.01 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Tgt Ion: 95 Resp: 5101

Ion	Ratio	Lower	Upper
95	100		
97	73.9	44.1	81.9
132	91.7	61.2	113.8
130	95.7	65.1	120.9

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

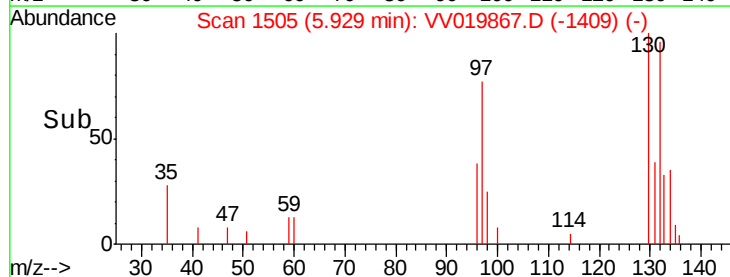
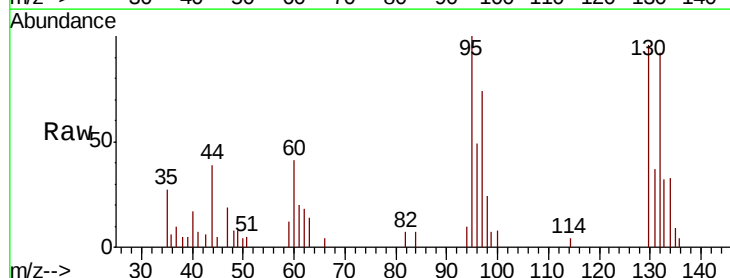
Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

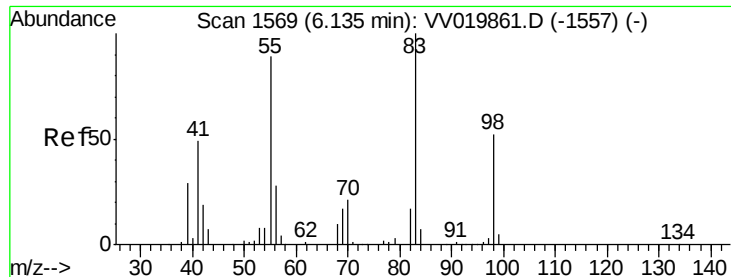
Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

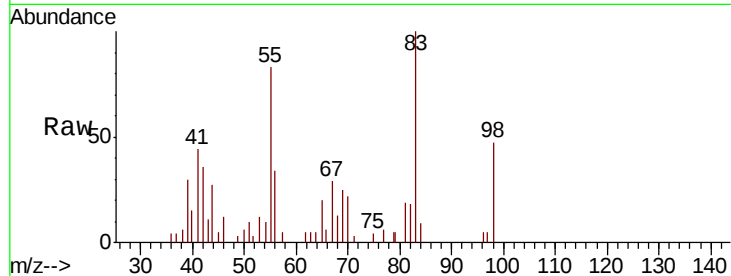
Ion 129.95 (129.65 to 130.65): VV0



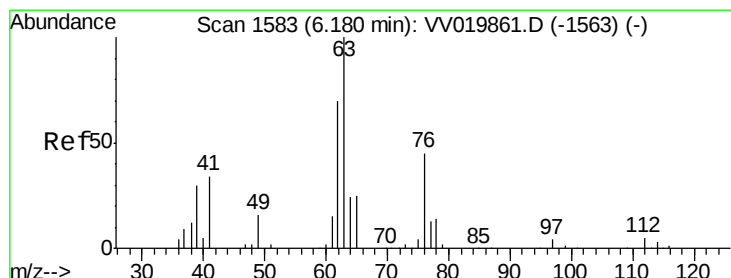
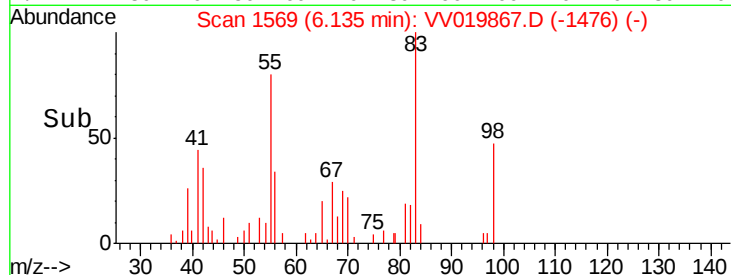
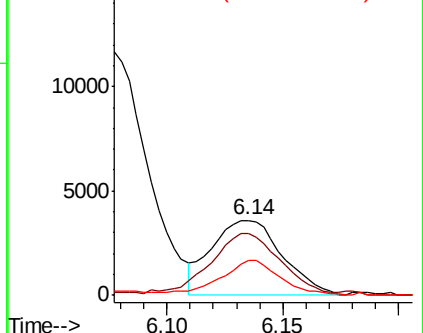
#35
Methvlcvclohexane
Concen: 0.230 ug/L
RT: 6.14 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

Tot Ion: 83 Resp: 7632
Ion Ratio Lower Upper
83 100
55 82.7 67.5 101.3
98 39.8 38.6 58.0

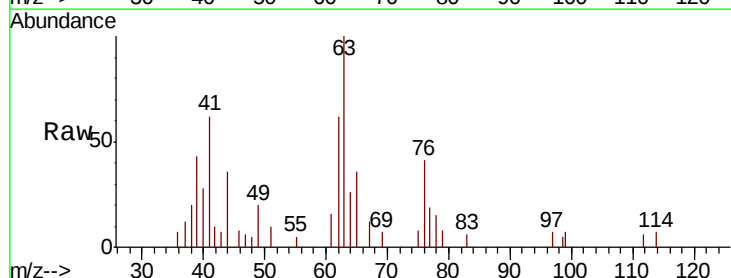


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

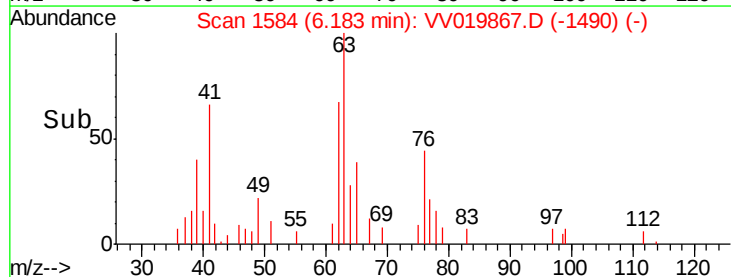
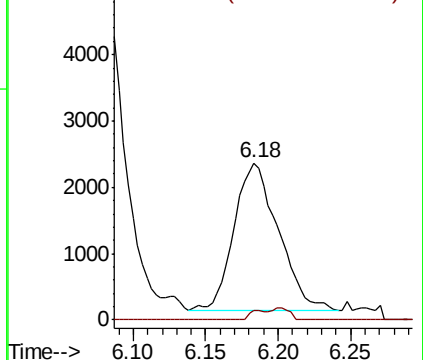


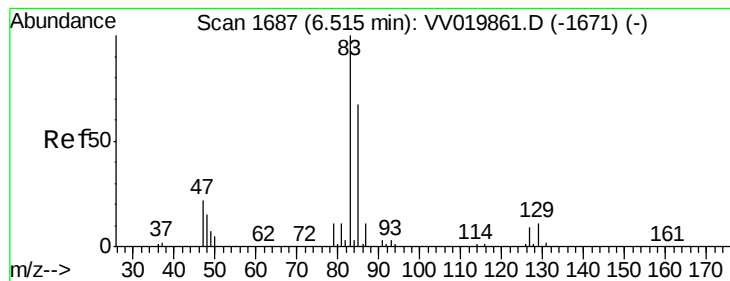
#37
1,2-Dichloropropane
Concen: 0.229 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Tgt Ion: 63 Resp: 4756
Ion Ratio Lower Upper
63 100
112 2.5 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.230 ug/L

RT: 6.52 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-02

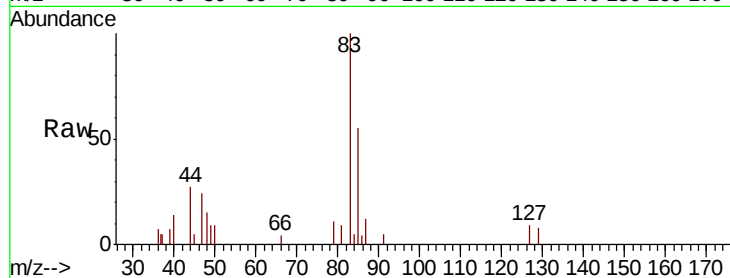
Tot Ion: 83 Resp: 5894

Ion Ratio Lower Upper

83 100

85 55.2 45.9 85.3

127 8.8 6.2 9.2

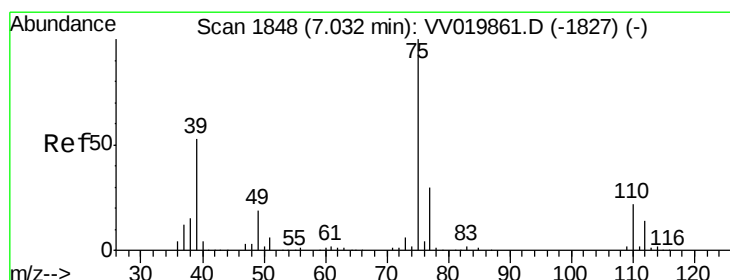
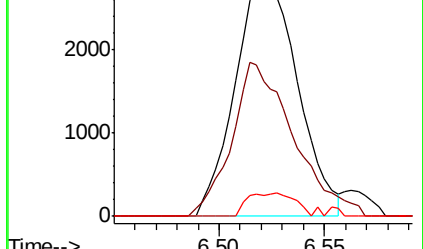
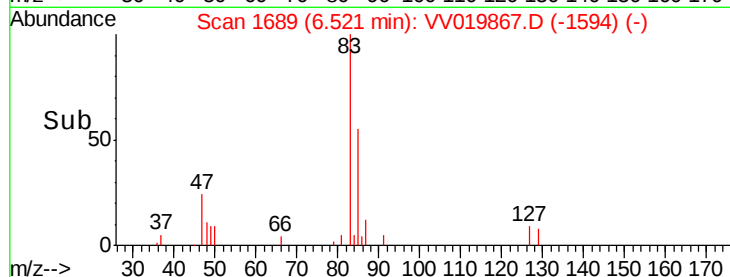


Abundance Ion 82.95 (82.65 to 83.65): VV019867.D (-1594) (-)

Ion 85.00 (84.70 to 85.70): VV019867.D (-1594) (-)

Ion 126.90 (126.60 to 127.60): VV019867.D (-1594) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.206 ug/L

RT: 7.05 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VV019867.D

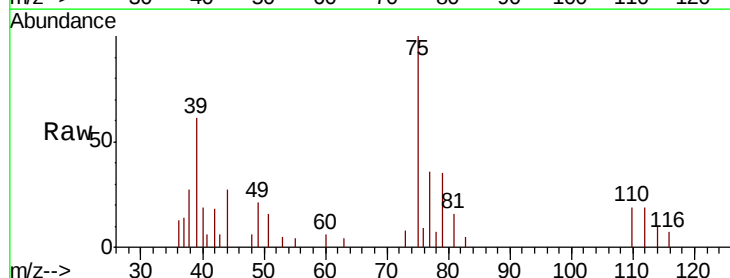
Acq: 29 Dec 2020 16:53

Tgt Ion: 75 Resp: 5884

Ion Ratio Lower Upper

75 100

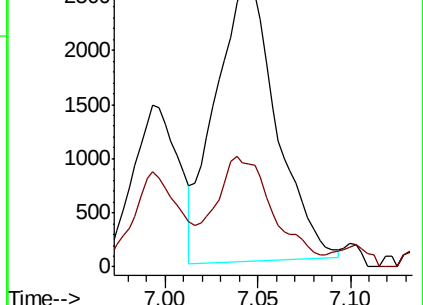
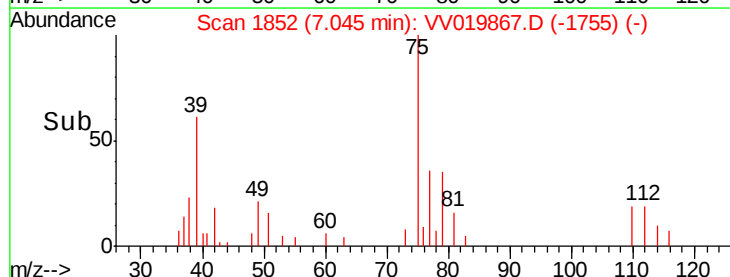
77 36.3 21.0 39.0

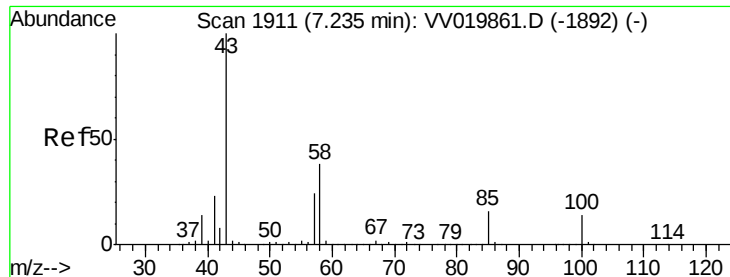


Abundance Ion 75.05 (74.75 to 75.75): VV019867.D (-1755) (-)

Ion 77.05 (76.75 to 77.75): VV019867.D (-1755) (-)

Time-->

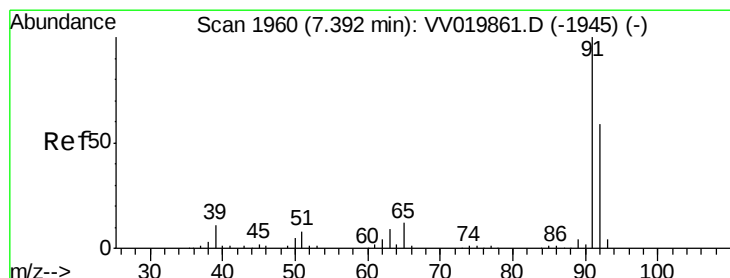
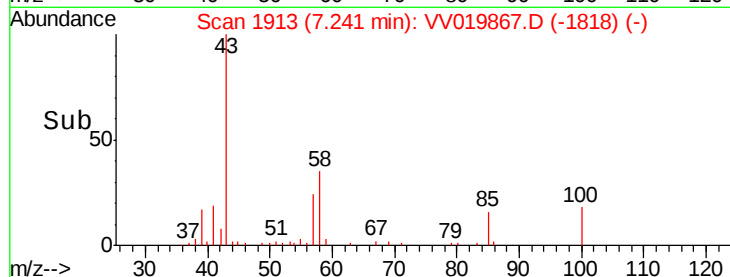
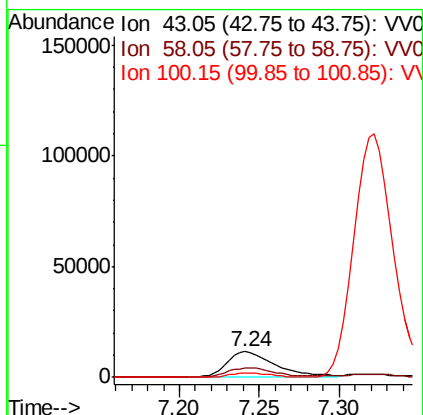
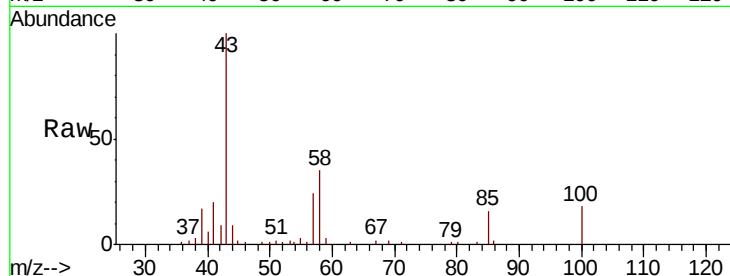




#40
4-Methyl-2-pentanone
Concen: 2.090 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

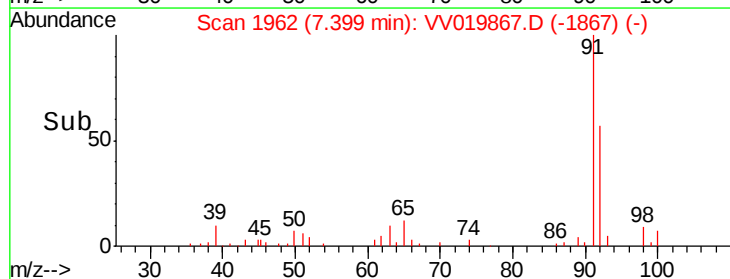
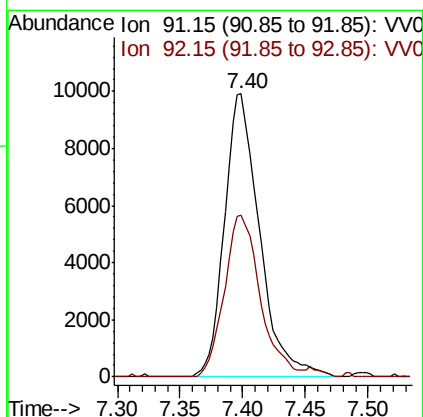
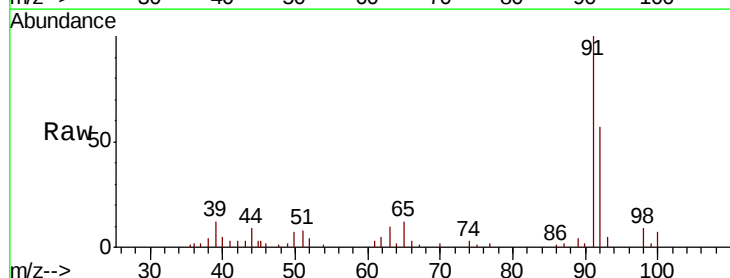
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

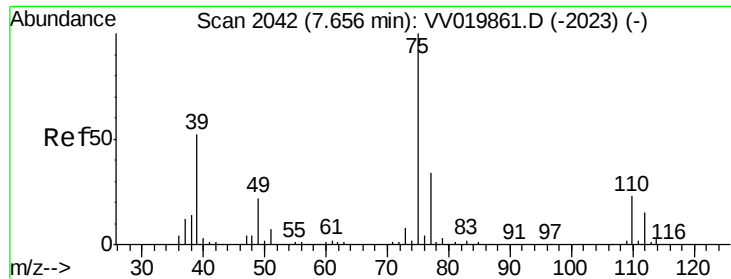
Tot Ion: 43 Resp: 24540
Ion Ratio Lower Upper
43 100
58 34.7 30.0 45.0
100 0.0 11.4 17.0#



#42
Toluene
Concen: 0.229 ug/L
RT: 7.40 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Tgt Ion: 91 Resp: 19314
Ion Ratio Lower Upper
91 100
92 57.1 40.9 76.0

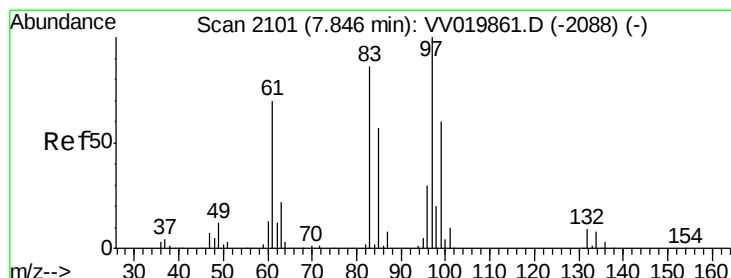
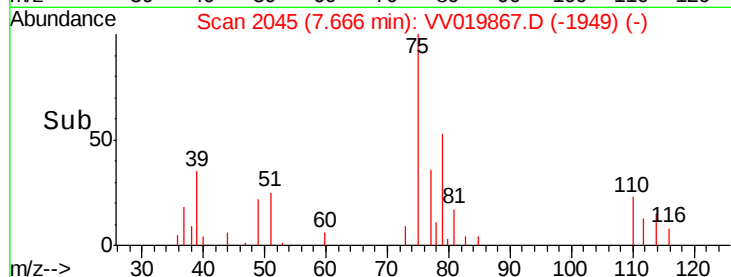
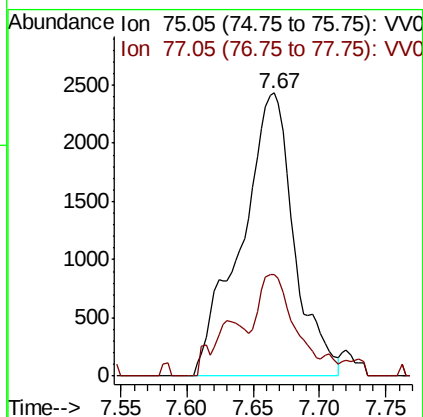
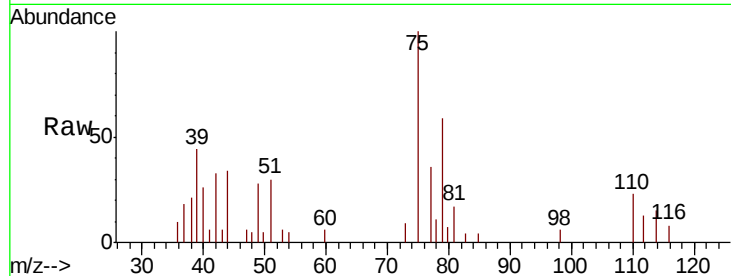




#44
trans-1,3-Dichloropropene
Concen: 0.290 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. 0.01 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

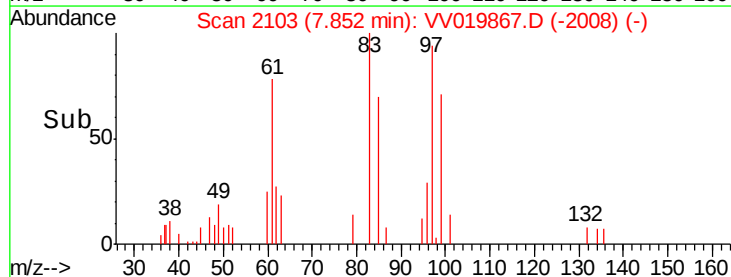
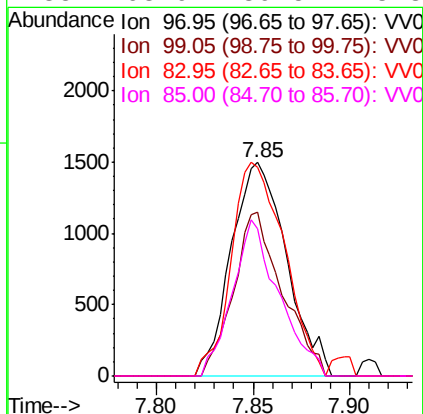
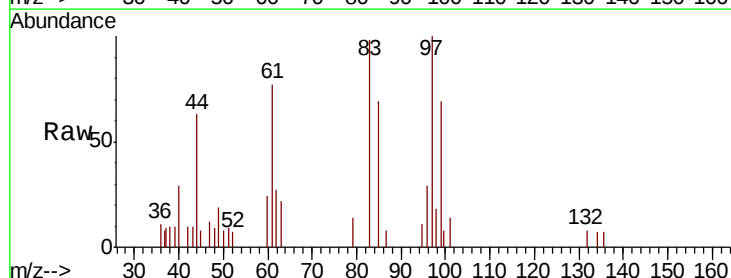
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

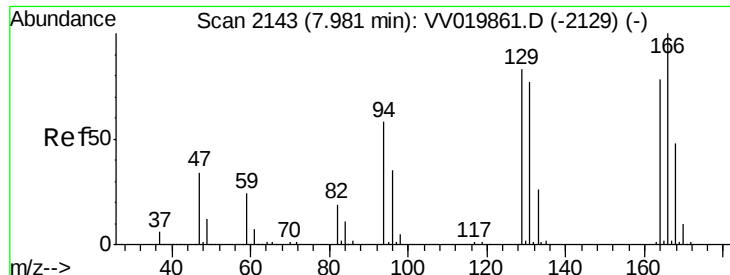
Tot Ion: 75 Resp: 6780
Ion Ratio Lower Upper
75 100
77 36.0 21.1 39.3



#45
1,1,2-Trichloroethane
Concen: 0.222 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. 0.01 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Tgt Ion: 97 Resp: 2982
Ion Ratio Lower Upper
97 100
99 76.8 42.4 78.8
83 97.9 59.4 110.4
85 68.9 39.5 73.3





#47

Tetrachloroethene

Concen: 0.240 ug/L

RT: 7.98 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-02

Tot Ion:164 Resp: 3618

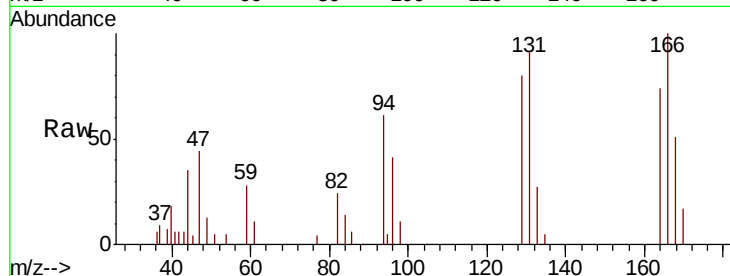
Ion Ratio Lower Upper

164 100

129 108.5 72.1 133.9

131 123.3 68.9 127.9

166 135.7 88.5 164.4

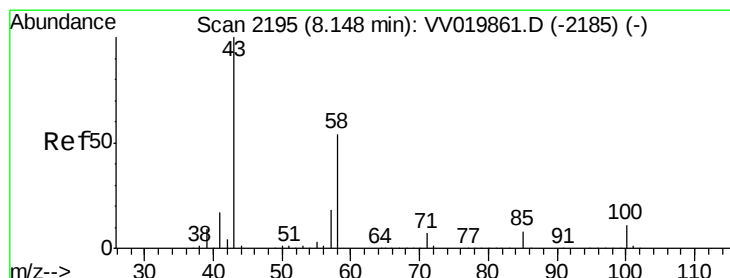
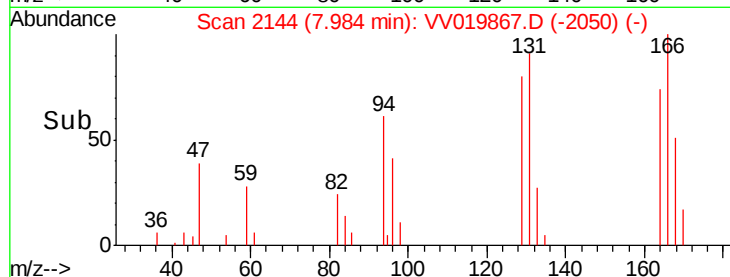
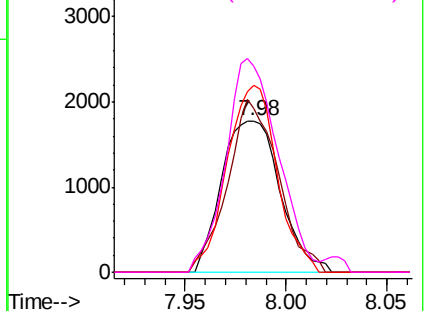


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.922 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. 0.01 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Tgt Ion: 43 Resp: 31910

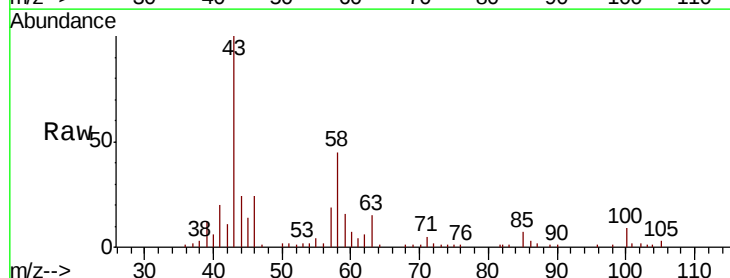
Ion Ratio Lower Upper

43 100

58 49.0 42.4 63.6

57 16.9 14.8 22.2

100 9.8 9.1 13.7

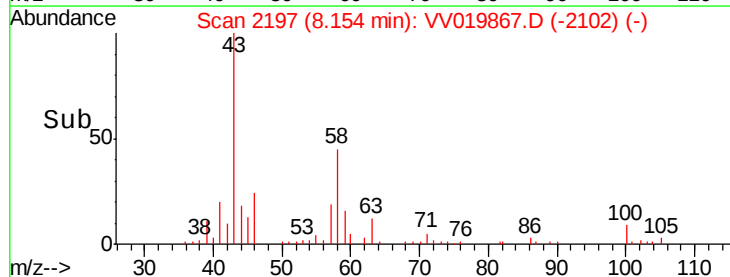
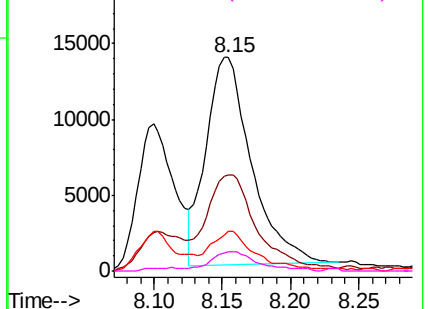


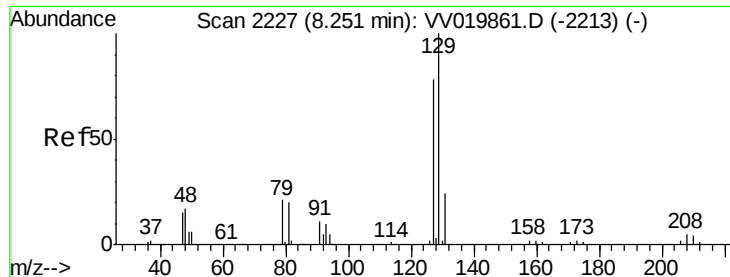
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.218 ug/L

RT: 8.25 min Scan# 2227

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

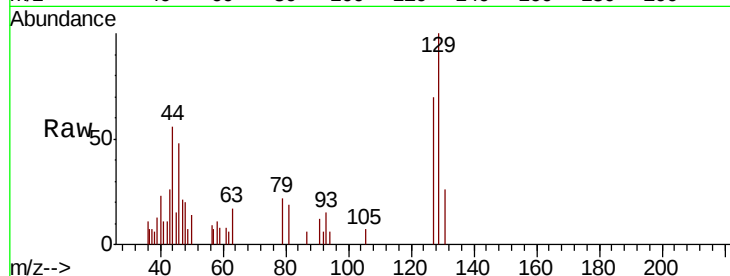
MDL-WATER-02

Tot Ion:129 Resp: 3177

Ion Ratio Lower Upper

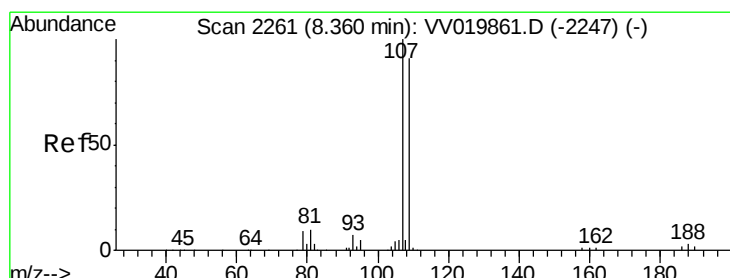
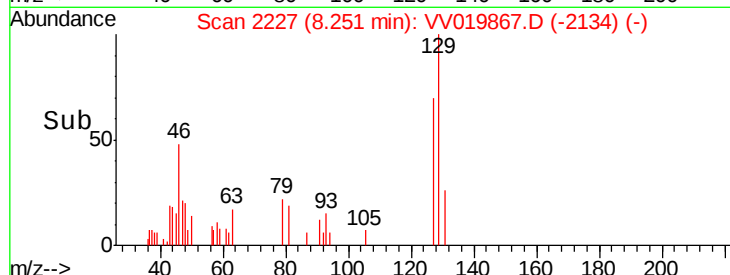
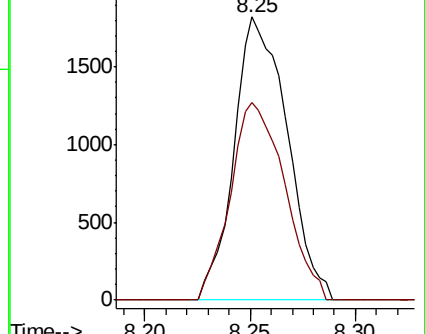
129 100

127 69.8 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.236 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

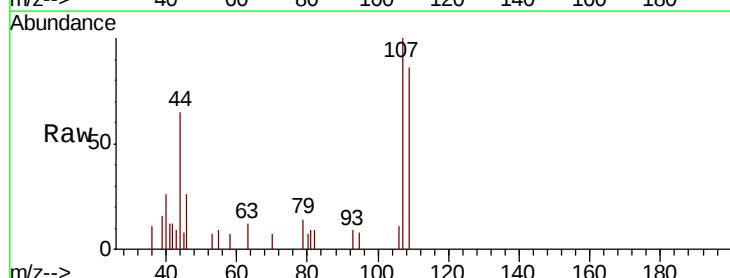
Tgt Ion:107 Resp: 2883

Ion Ratio Lower Upper

107 100

109 85.6 63.8 118.4

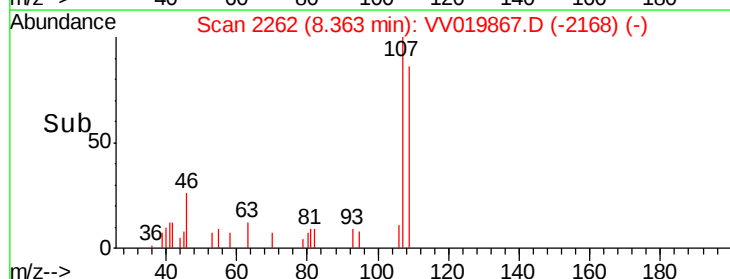
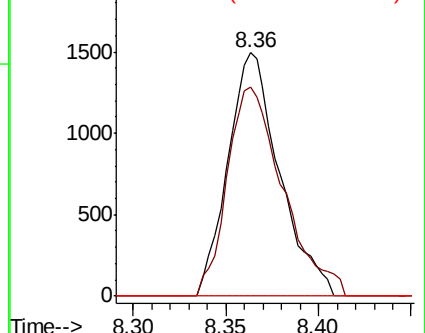
188 0.0 2.5 3.7#

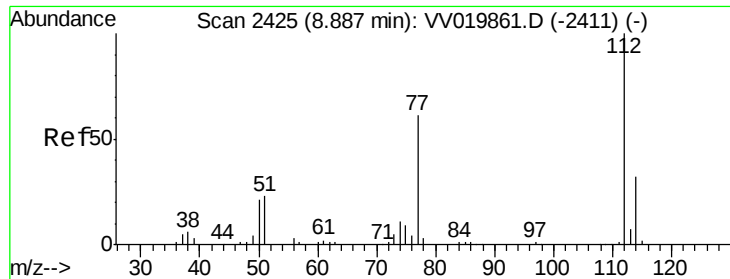


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

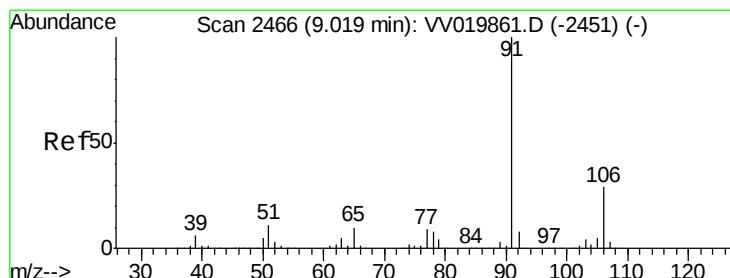
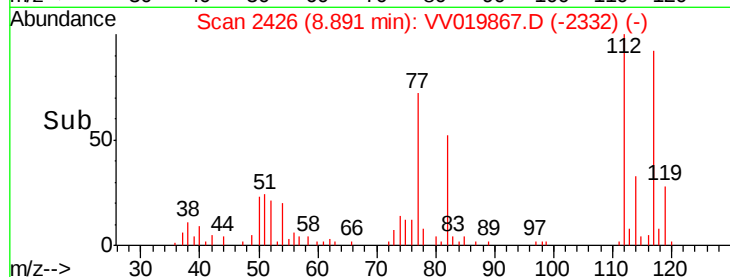
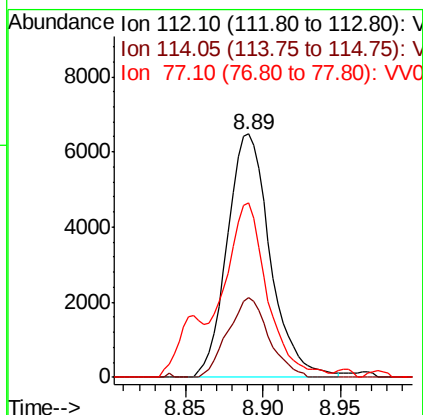
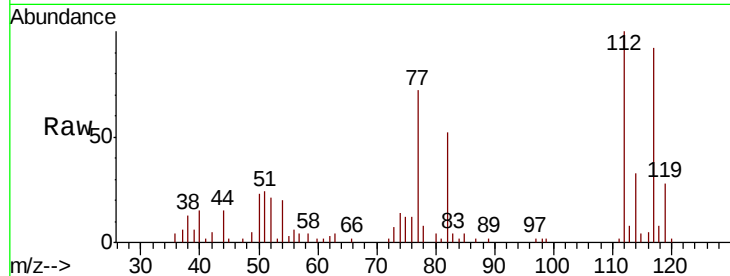




#51
Chlorobenzene
Concen: 0.235 ug/L
RT: 8.89 min Scan# 2426
Delta R.T. 0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

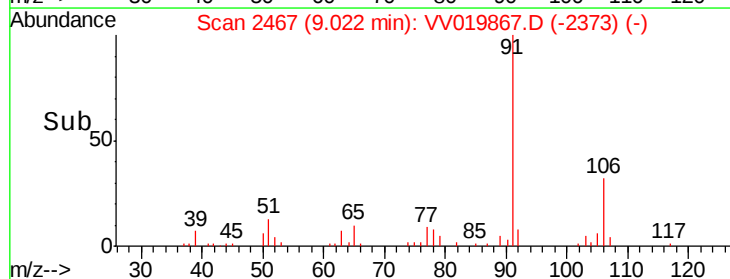
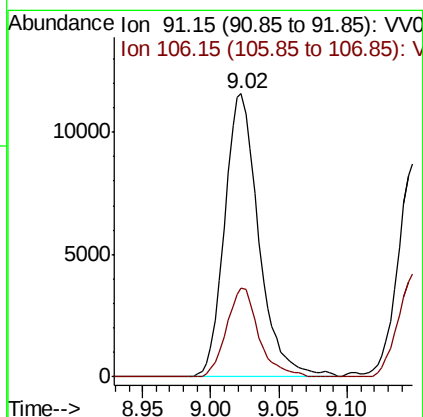
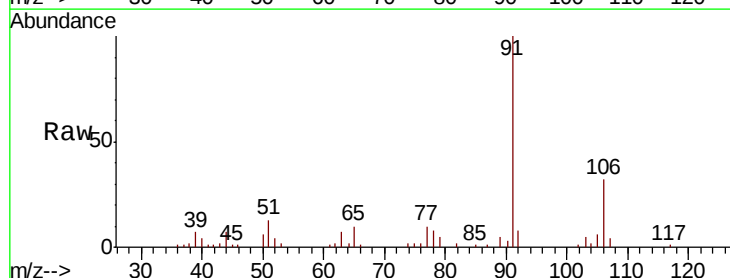
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

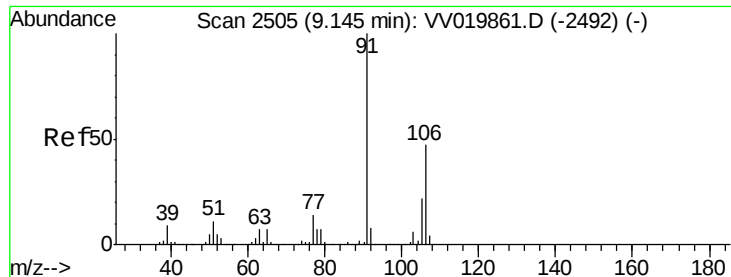
Tot Ion:112 Resp: 12504
Ion Ratio Lower Upper
112 100
114 32.8 21.8 40.6
77 71.9 51.0 76.4



#52
Ethylbenzene
Concen: 0.216 ug/L
RT: 9.02 min Scan# 2467
Delta R.T. 0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Tgt Ion: 91 Resp: 20182
Ion Ratio Lower Upper
91 100
106 31.5 20.9 38.7





#53

m,p-xylene

Concen: 0.214 ug/L

RT: 9.15 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

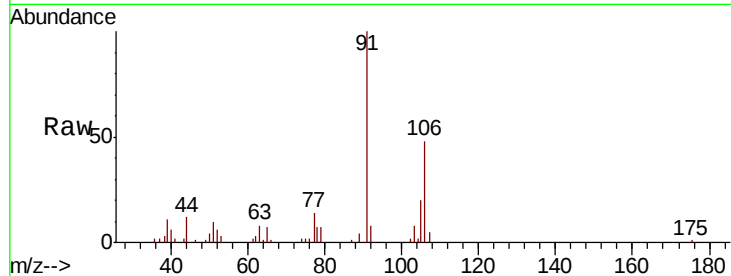
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

Tot Ion:106 Resp: 7293

Ion Ratio Lower Upper

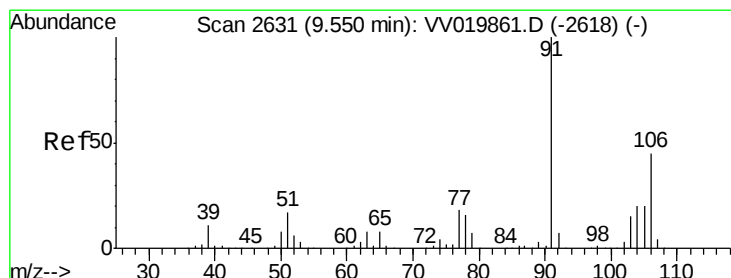
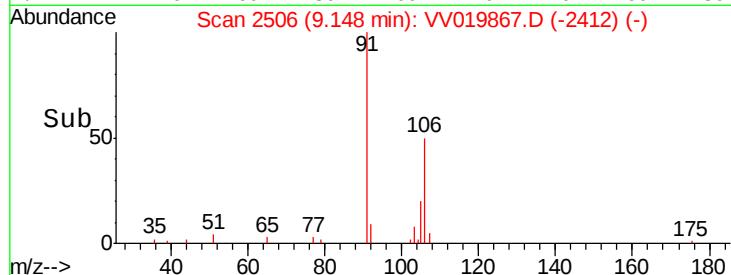
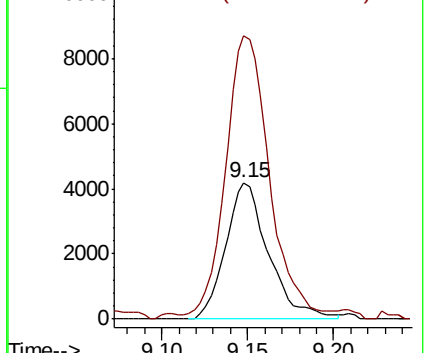
106 100

91 206.9 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.211 ug/L

RT: 9.55 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VV019867.D

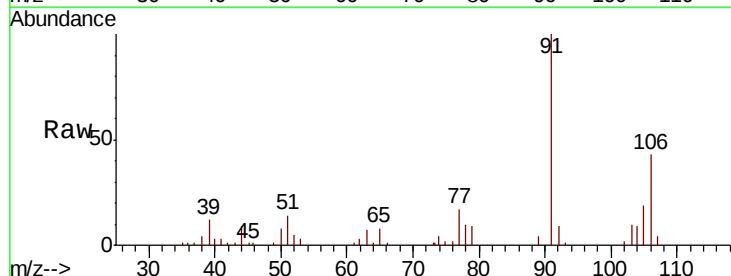
Acq: 29 Dec 2020 16:53

Tgt Ion:106 Resp: 6886

Ion Ratio Lower Upper

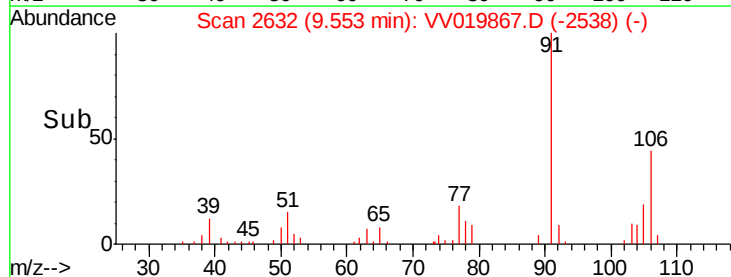
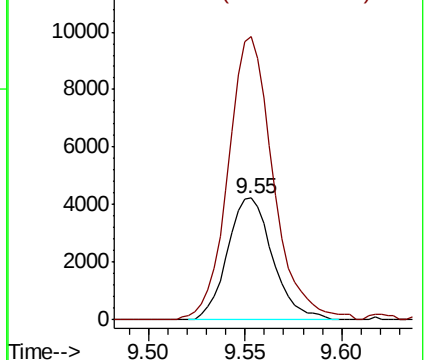
106 100

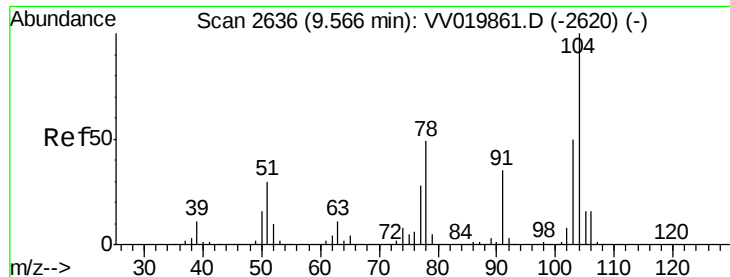
91 232.6 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Stvrene

Concen: 0.190 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. 0.01 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

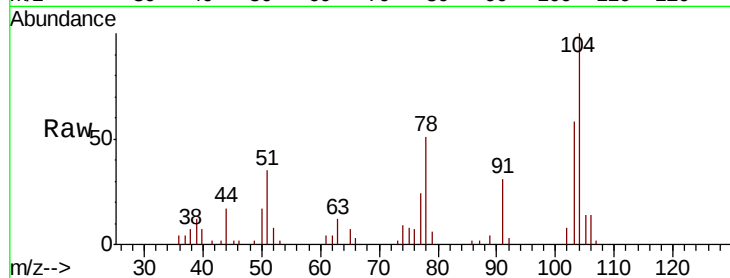
MDL-WATER-02

Tot Ion:104 Resp: 10488

Ion Ratio Lower Upper

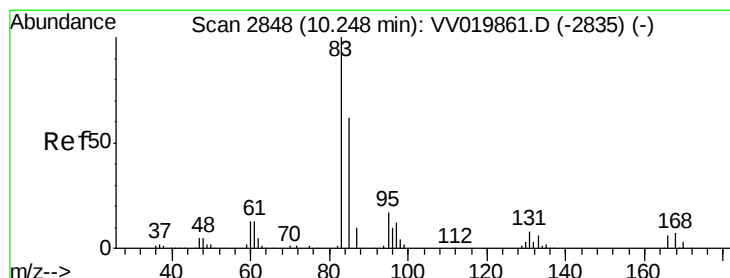
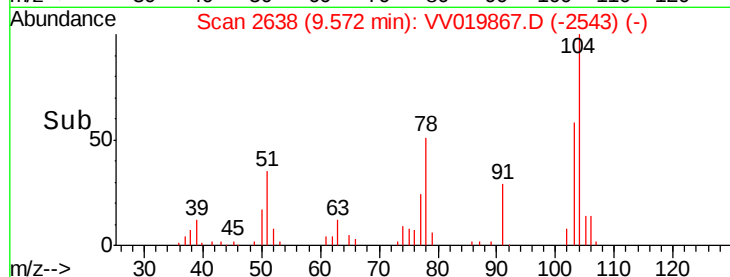
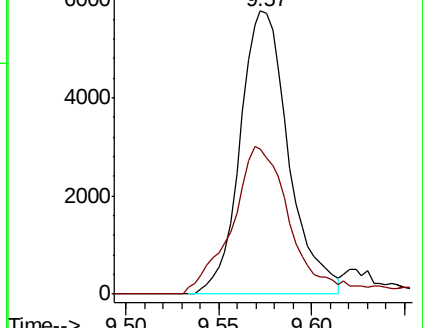
104 100

78 51.4 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): VV019867.D (-2543) (-)

Ion 78.10 (77.80 to 78.80): VV019867.D (-2543) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 0.248 ug/L

RT: 10.25 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

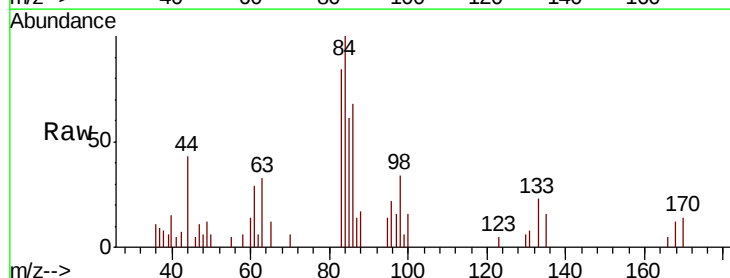
Tgt Ion: 83 Resp: 3525

Ion Ratio Lower Upper

83 100

85 73.0 44.3 82.3

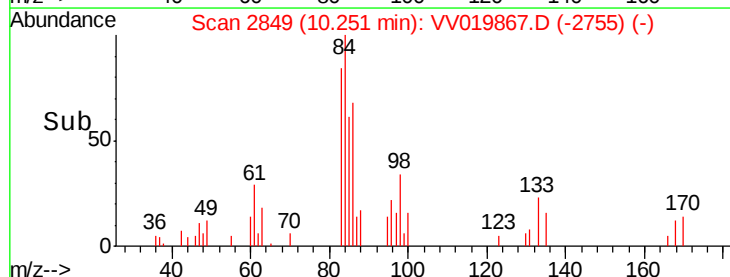
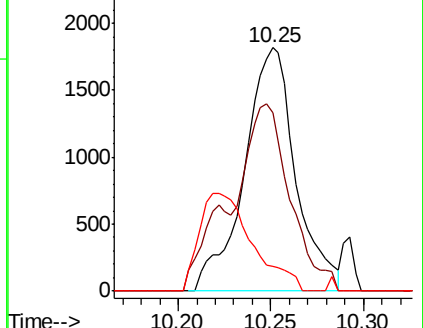
131 10.0 7.4 11.2

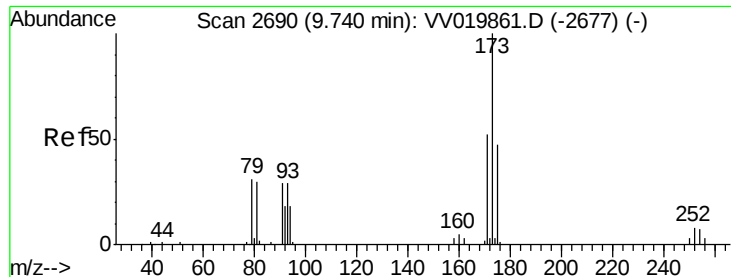


Abundance Ion 82.95 (82.65 to 83.65): VV019867.D (-2755) (-)

Ion 85.00 (84.70 to 85.70): VV019867.D (-2755) (-)

Ion 130.95 (130.65 to 131.65): VV019867.D (-2755) (-)





#59

Bromoform

Concen: 0.199 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

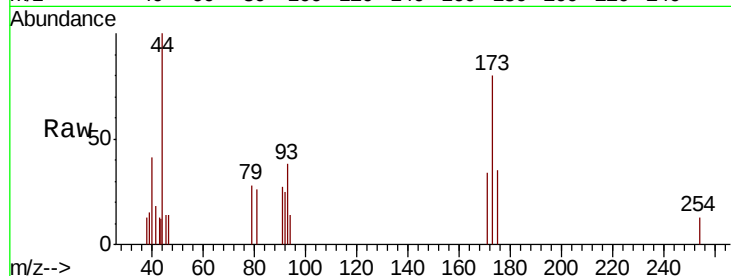
Tot Ion:173 Resp: 1242

Ion Ratio Lower Upper

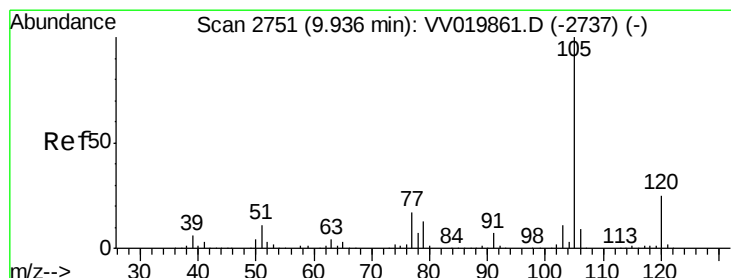
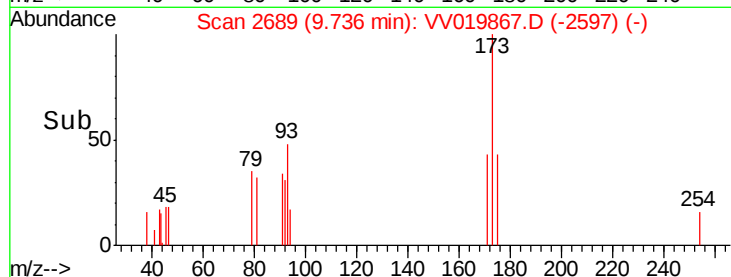
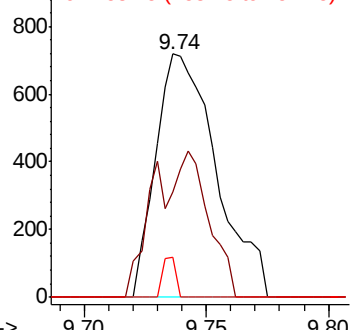
173 100

175 34.8 38.3 57.5#

254 3.6 6.4 9.6#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#60

Isopropylbenzene

Concen: 0.221 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

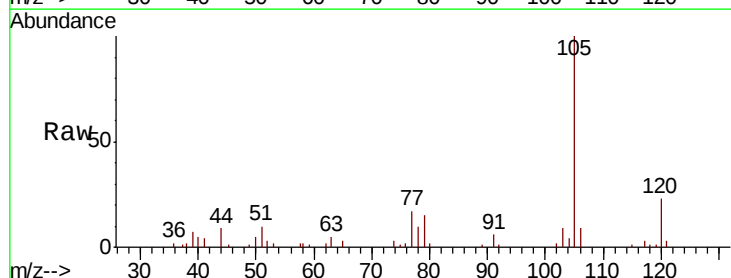
Tgt Ion:105 Resp: 18535

Ion Ratio Lower Upper

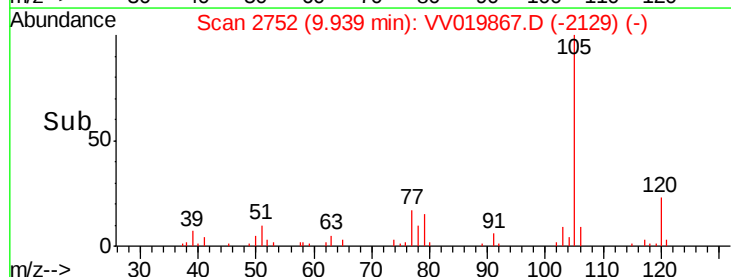
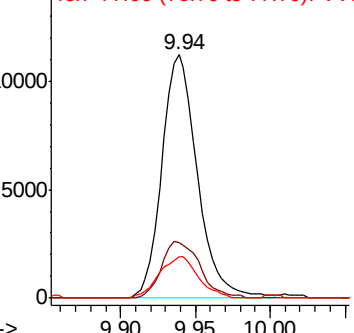
105 100

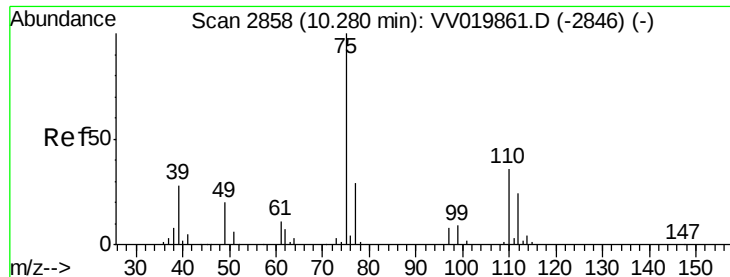
120 25.3 20.4 30.6

77 18.7 13.7 20.5



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

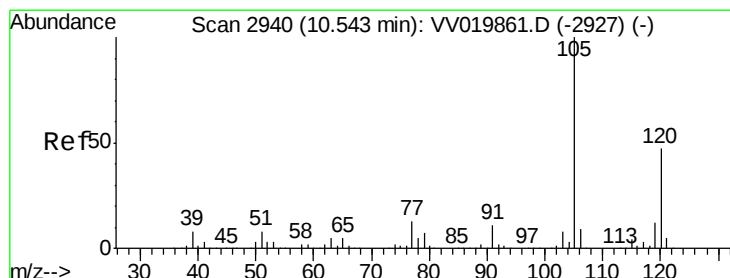
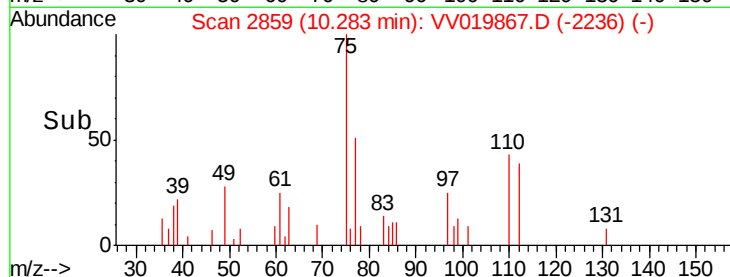
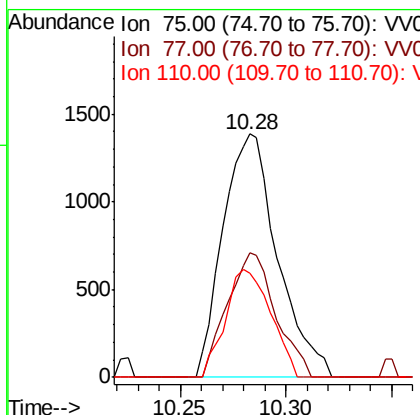
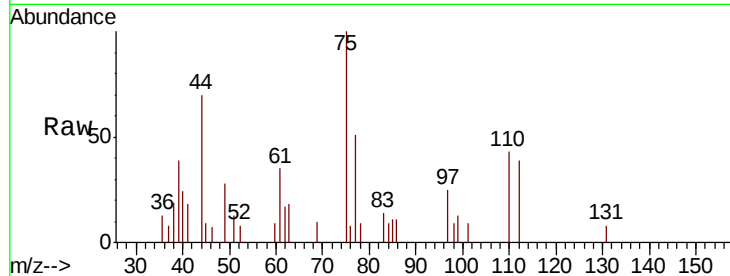




#61
 1,2,3-Trichloropropane
 Concen: 0.223 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VV019867.D
 Acq: 29 Dec 2020 16:53

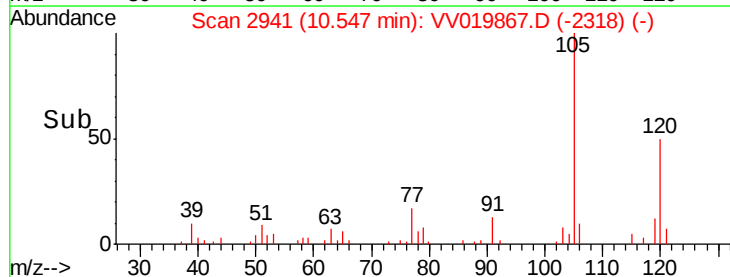
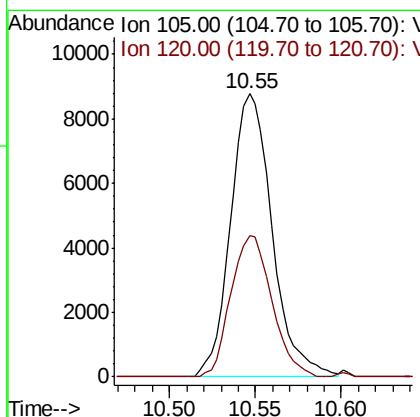
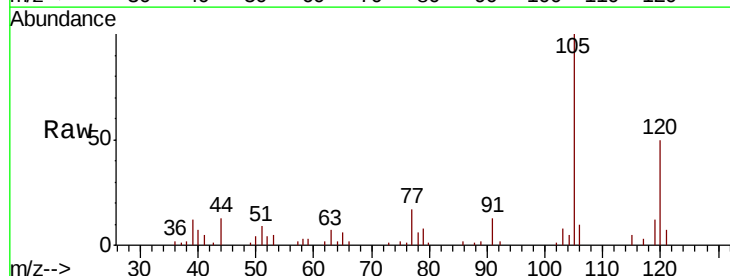
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-02

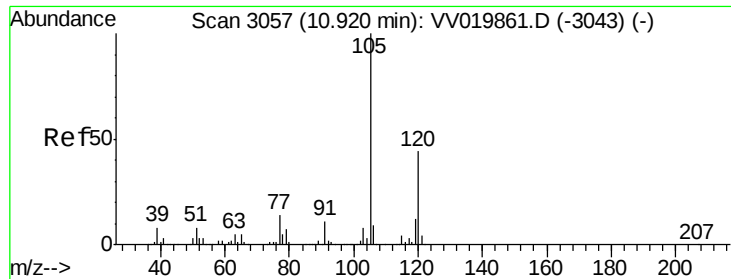
Tot Ion: 75 Resp: 2481
 Ion Ratio Lower Upper
 75 100
 77 45.3 25.6 38.4#
 110 36.8 30.5 45.7



#62
 1,3,5-Trimethylbenzene
 Concen: 0.213 ug/L
 RT: 10.55 min Scan# 2941
 Delta R.T. 0.00 min
 Lab File: VV019867.D
 Acq: 29 Dec 2020 16:53

Tgt Ion: 105 Resp: 14726
 Ion Ratio Lower Upper
 105 100
 120 49.2 37.8 56.6

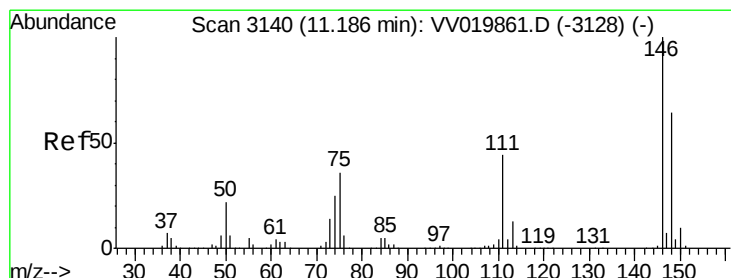
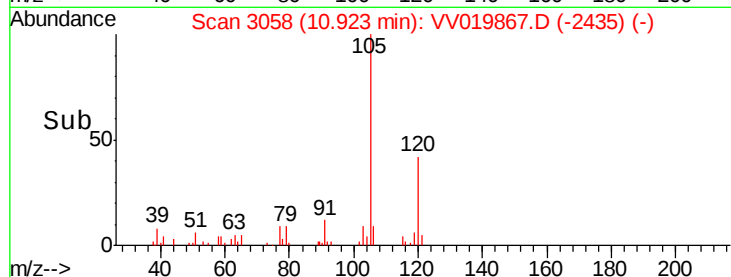
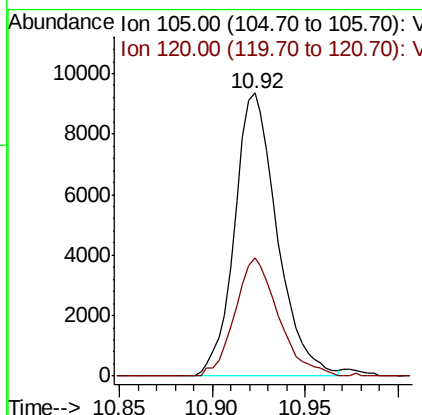
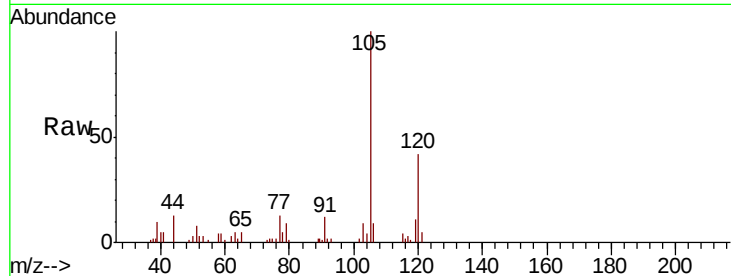




#63
 1,2,4-Trimethylbenzene
 Concen: 0.212 ug/L
 RT: 10.92 min Scan# 3058
 Delta R.T. 0.00 min
 Lab File: VV019867.D
 Acq: 29 Dec 2020 16:53

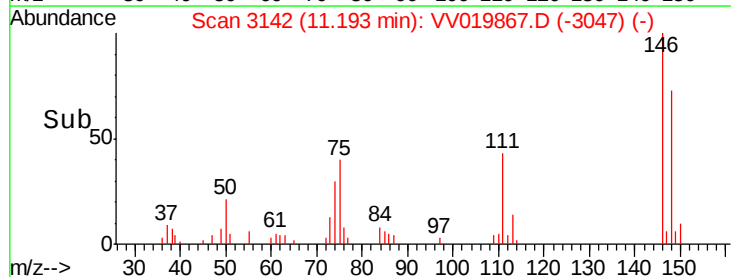
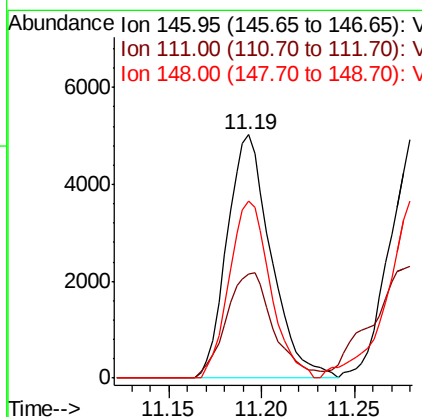
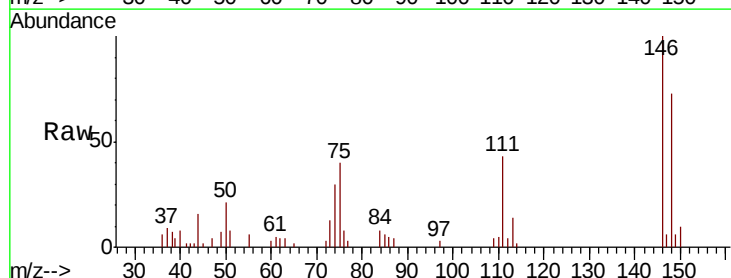
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-02

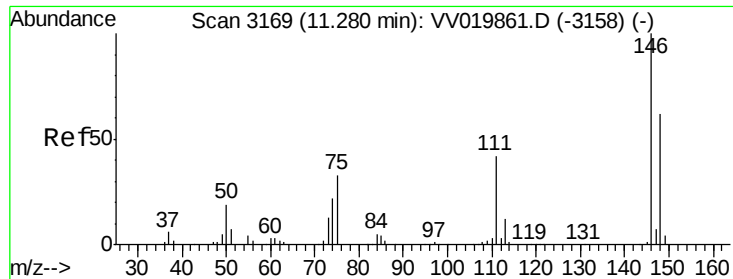
Tot Ion:105 Resp: 14943
 Ion Ratio Lower Upper
 105 100
 120 42.6 34.9 52.3



#64
 1,3-Dichlorobenzene
 Concen: 0.224 ug/L
 RT: 11.19 min Scan# 3142
 Delta R.T. 0.01 min
 Lab File: VV019867.D
 Acq: 29 Dec 2020 16:53

Tgt Ion:146 Resp: 8241
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.4 56.5
 148 72.7 45.8 85.2





#65

1,4-Dichlorobenzene

Concen: 0.251 ug/L

RT: 11.28 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampled :

MDL-WATER-02

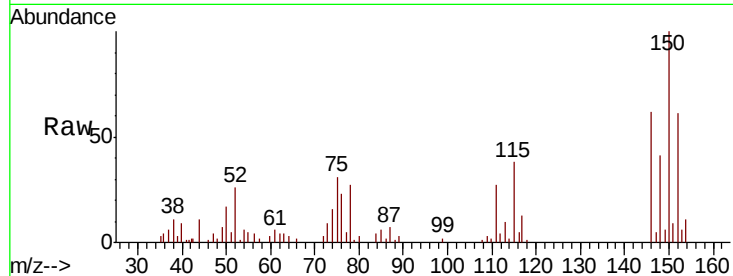
Tot Ion:146 Resp: 9234

Ion Ratio Lower Upper

146 100

111 43.2 29.7 55.1

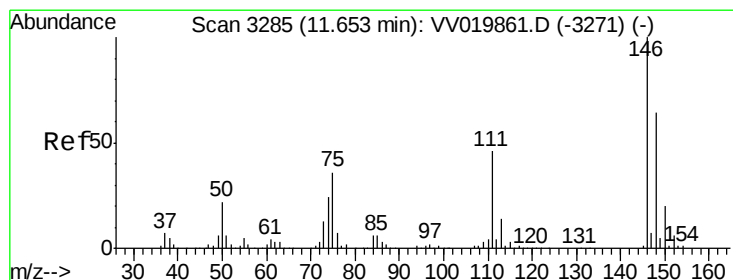
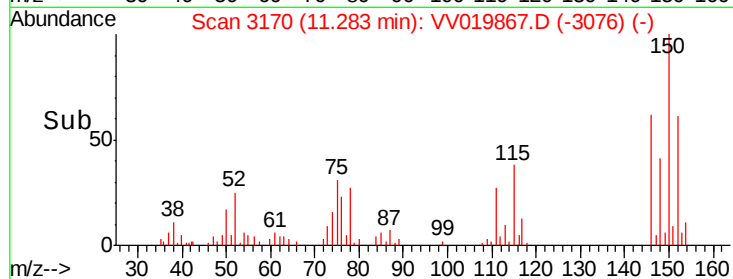
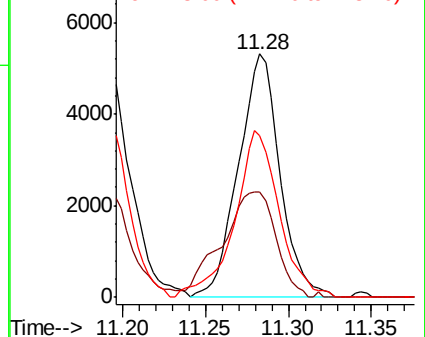
148 66.6 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 0.252 ug/L

RT: 11.66 min Scan# 3286

Delta R.T. 0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

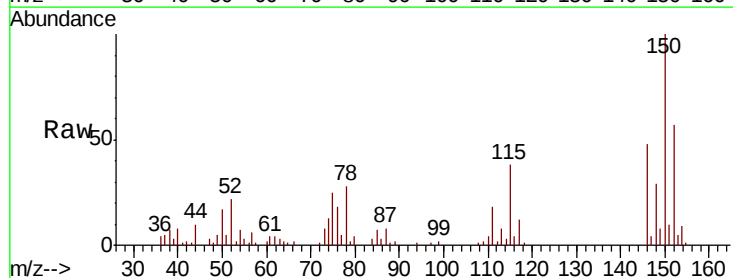
Tgt Ion:146 Resp: 8499

Ion Ratio Lower Upper

146 100

111 36.5 37.7 56.5#

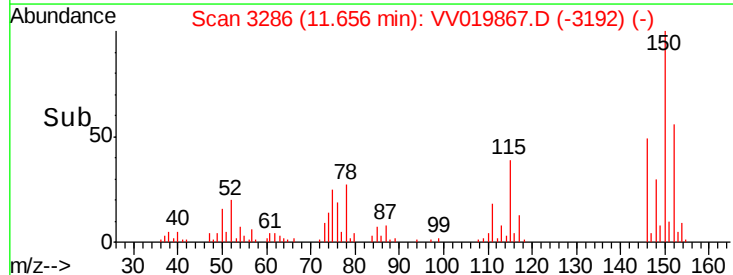
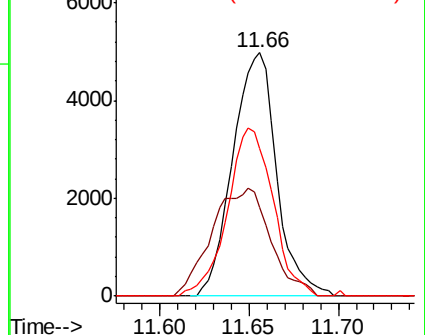
148 60.8 50.6 75.8

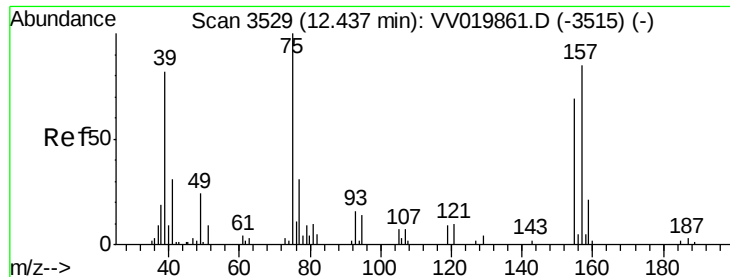


Abundance Ion 145.95 (145.65 to 146.65): V

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: 0.179 ug/L

RT: 12.44 min Scan# 3529

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-02

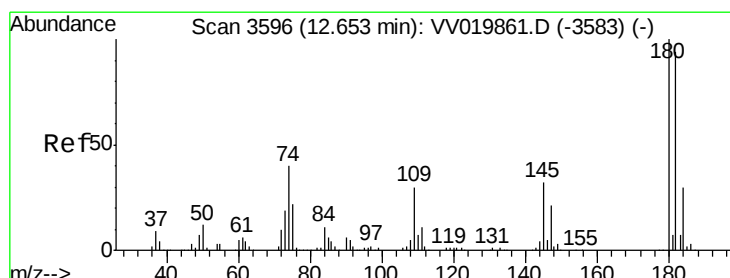
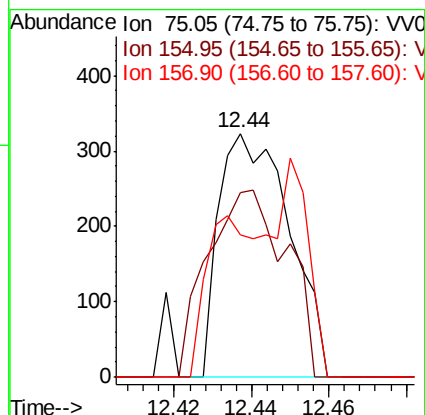
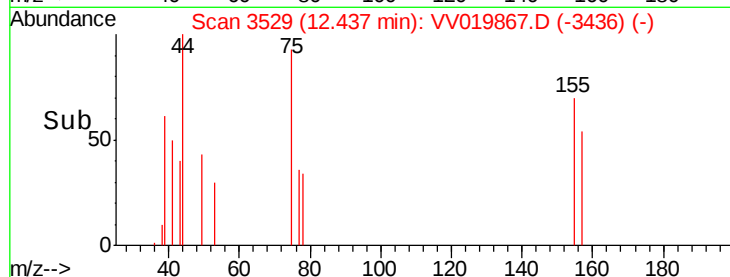
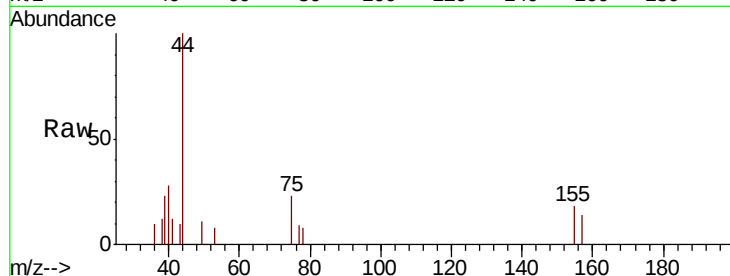
Tot Ion: 75 Resp: 410

Ion Ratio Lower Upper

75 100

155 75.5 56.5 84.7

157 58.5 74.2 111.2#



#69

1,3,5-Trichlorobenzene

Concen: 0.220 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VV019867.D

Acq: 29 Dec 2020 16:53

Tgt Ion: 180 Resp: 5989

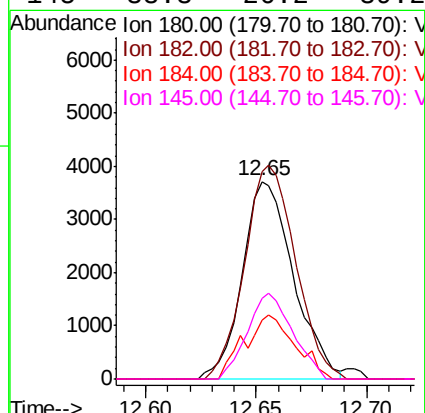
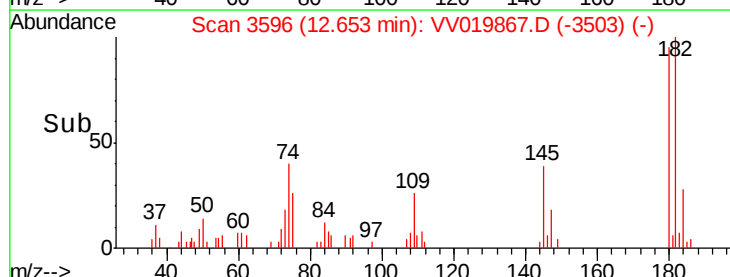
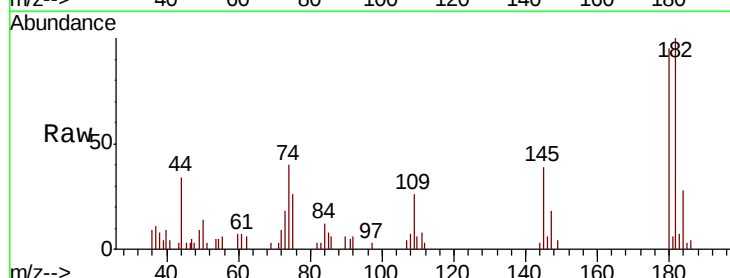
Ion Ratio Lower Upper

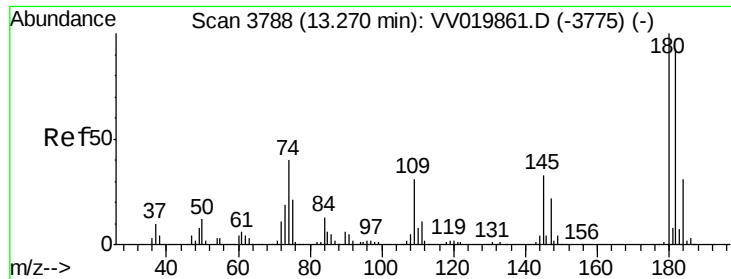
180 100

182 107.7 75.9 113.9

184 32.3 23.5 35.3

145 38.3 26.2 39.2

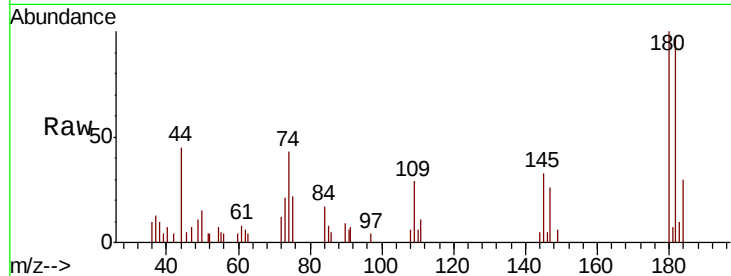




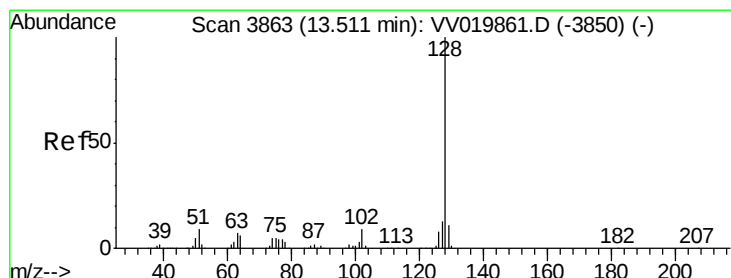
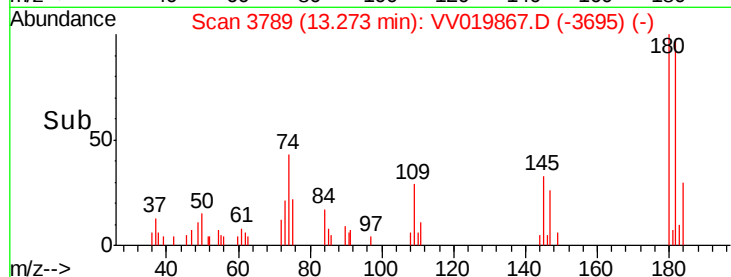
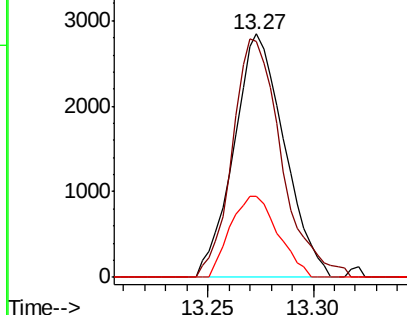
#70
1,2,4-trichlorobenzene
Concen: 0.213 ug/L
RT: 13.27 min Scan# 3789
Delta R.T. 0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-02

Tot Ion:180 Resp: 4727
Ion Ratio Lower Upper
180 100
182 95.3 75.9 113.9
145 31.4 26.6 39.8

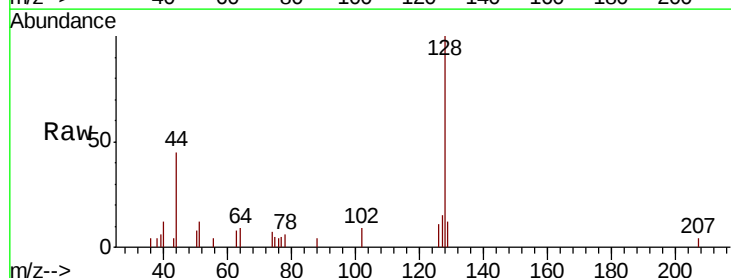


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

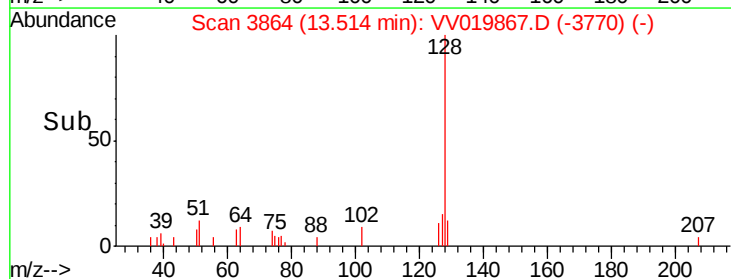
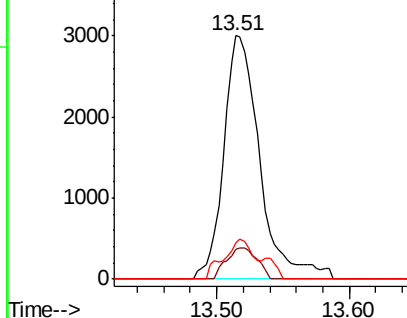


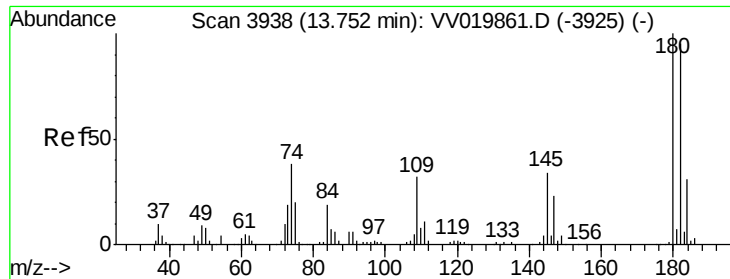
#71
Naphthalene
Concen: 0.170 ug/L
RT: 13.51 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VV019867.D
Acq: 29 Dec 2020 16:53

Tgt Ion:128 Resp: 5681
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.5 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

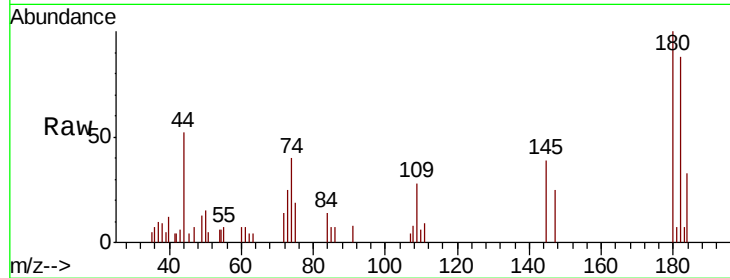




#72
 1,2,3-Trichlorobenzene
 Concen: 0.205 ug/L
 RT: 13.76 min Scan# 3939
 Delta R.T. 0.00 min
 Lab File: VV019867.D
 Acq: 29 Dec 2020 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.6	112.0
145	42.0	28.8	43.2



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

