

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123120\
 Data File : VV019882.D
 Acq On : 31 Dec 2020 15:15
 Operator : SY/MD
 Sample : L4485-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Quant Time: Jan 01 00:40:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 01 00:38:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	249951	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	238053	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	110483	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	81183	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.57	69	70257	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.10	63	132190	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.95	46	176587	46.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.06%
24) Chloroform-d	4.35	84	144153	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.04	65	79669	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.05	84	298723	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.07	67	93298	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.32	98	256232	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.63	79	28074	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.10	63	113763	41.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.72%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	52541	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
66) 1,2-Dichlorobenzene-d4	11.63	152	83521	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	5506	0.230	ug/L	95
3) Chloromethane	1.24	50	6647	0.251	ug/L	99
6) Bromomethane	1.52	94	3853	0.254	ug/L	95
8) Chloroethane	1.58	64	3550	0.224	ug/L	87
9) Trichlorofluoromethane	1.75	101	7593	0.241	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	5071	0.299	ug/L	90
12) 1,1-Dichloroethene	2.11	96	5331	0.308	ug/L #	1
14) Carbon disulfide	2.29	76	13743	0.229	ug/L	100
16) Methylene chloride	2.51	84	8029	0.381	ug/L	96
17) Methyl tert-butyl Ether	2.78	73	9692	0.224	ug/L #	89
18) trans-1,2-Dichloroethene	2.77	96	4457	0.228	ug/L	90
19) 1,1-Dichloroethane	3.20	63	9029	0.238	ug/L	96
22) cis-1,2-Dichloroethene	3.92	96	4749	0.234	ug/L	97
23) Bromochloromethane	4.26	128	1927	0.238	ug/L	87
25) Chloroform	4.38	83	21365	0.567	ug/L	97
27) 1,2-Dichloroethane	5.15	62	5952	0.259	ug/L #	89
29) 1,1,1-Trichloroethane	4.61	97	7321	0.226	ug/L	98

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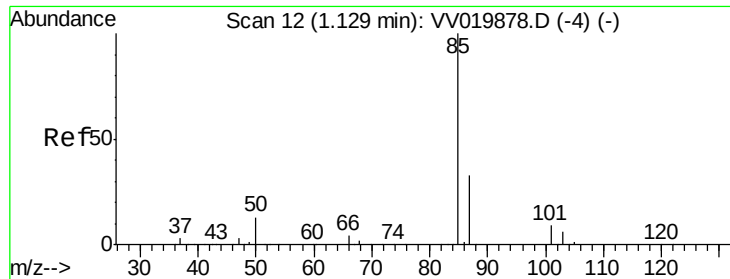
Instrument :
 MSVOA_V
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

30) Cyclohexane	4.68	56	7585	0.232	ug/L #	90
31) Carbon tetrachloride	4.83	117	3160	0.119	ug/L #	13
33) Benzene	5.11	78	16989	0.213	ug/L	100
34) Trichloroethene	5.92	95	5087	0.239	ug/L	97
35) Methylcyclohexane	6.14	83	6783	0.213	ug/L	97
37) 1,2-Dichloropropane	6.19	63	4439	0.222	ug/L	100
38) Bromodichloromethane	6.52	83	5554	0.225	ug/L	95
39) cis-1,3-Dichloropropene	7.04	75	5280	0.192	ug/L	94
40) 4-Methyl-2-pentanone	7.24	43	22523	1.996	ug/L #	90
42) Toluene	7.40	91	18786	0.232	ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	6283	0.280	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	2918	0.226	ug/L	92
47) Tetrachloroethene	7.98	164	3148	0.218	ug/L	88
48) 2-Hexanone	8.15	43	32499	4.154	ug/L	89
49) Dibromochloromethane	8.25	129	2763	0.198	ug/L	96
50) 1,2-Dibromoethane	8.36	107	2729	0.232	ug/L #	78
51) Chlorobenzene	8.89	112	10933	0.214	ug/L	94
52) Ethylbenzene	9.02	91	19195	0.214	ug/L	97
53) m,p-xylene	9.15	106	6804	0.208	ug/L	97
54) o-xylene	9.55	106	6674	0.212	ug/L	88
55) Styrene	9.57	104	10469	0.197	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.25	83	3070	0.224	ug/L #	80
59) Bromoform	9.74	173	1198	0.200	ug/L #	91
60) Isopropylbenzene	9.94	105	17767	0.221	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	2941	0.275	ug/L	92
62) 1,3,5-Trimethylbenzene	10.55	105	13523	0.203	ug/L	96
63) 1,2,4-Trimethylbenzene	10.92	105	13337	0.197	ug/L	99
64) 1,3-Dichlorobenzene	11.19	146	7471	0.212	ug/L	93
65) 1,4-Dichlorobenzene	11.28	146	8560	0.242	ug/L	97
67) 1,2-Dichlorobenzene	11.65	146	8170	0.252	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.43	75	435	0.197	ug/L #	75
69) 1,3,5-Trichlorobenzene	12.65	180	5533	0.211	ug/L	96
70) 1,2,4-trichlorobenzene	13.27	180	4168	0.196	ug/L	96
71) Naphthalene	13.52	128	4704	0.146	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.76	180	3512	0.194	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.230 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

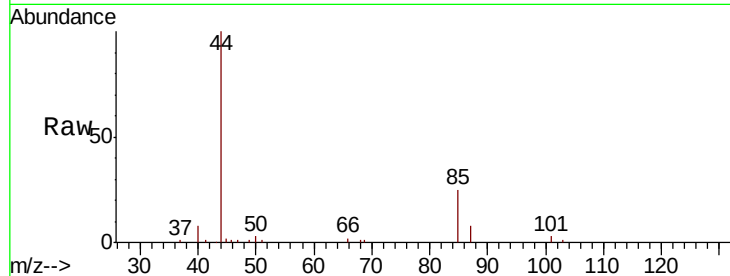
MDL-WATER-07

Tot Ion: 85 Resp: 5506

Ion Ratio Lower Upper

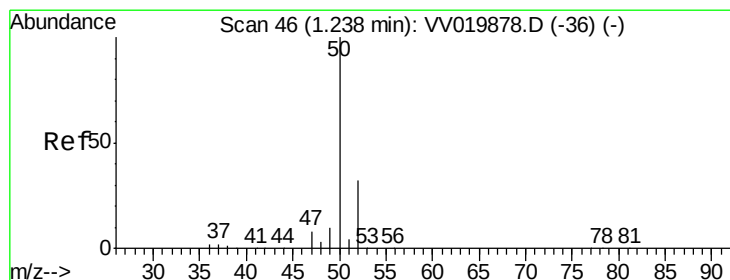
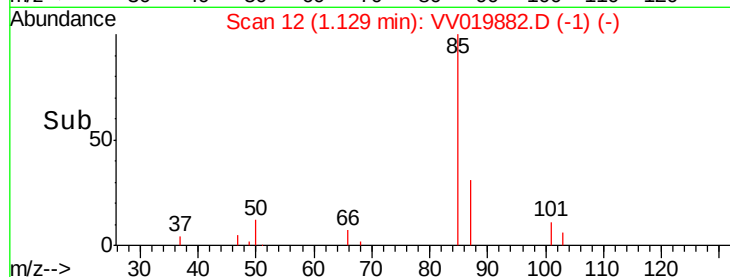
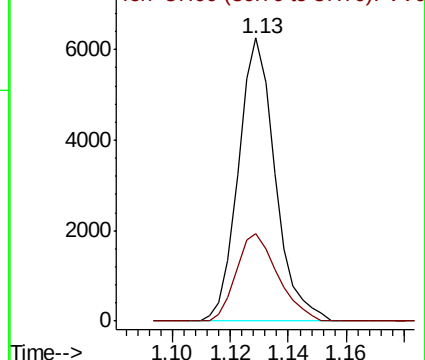
85 100

87 34.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.251 ug/L

RT: 1.24 min Scan# 46

Delta R.T. -0.00 min

Lab File: VV019882.D

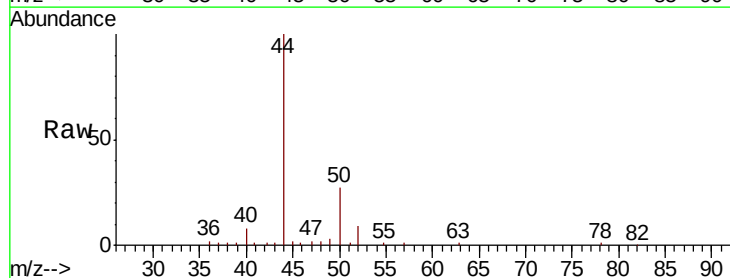
Acq: 31 Dec 2020 15:15

Tgt Ion: 50 Resp: 6647

Ion Ratio Lower Upper

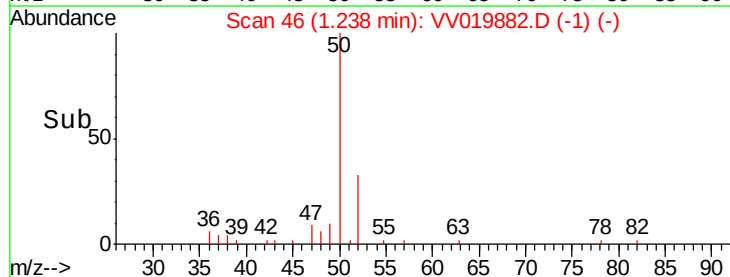
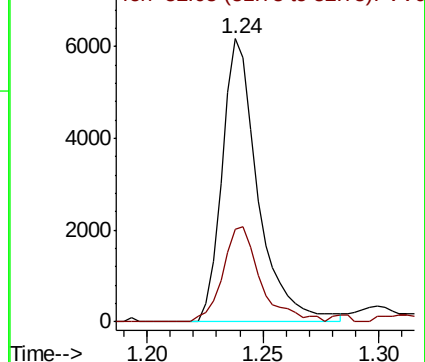
50 100

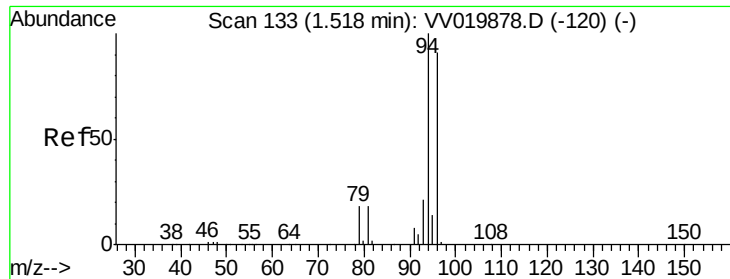
52 32.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#6

Bromomethane

Concen: 0.254 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

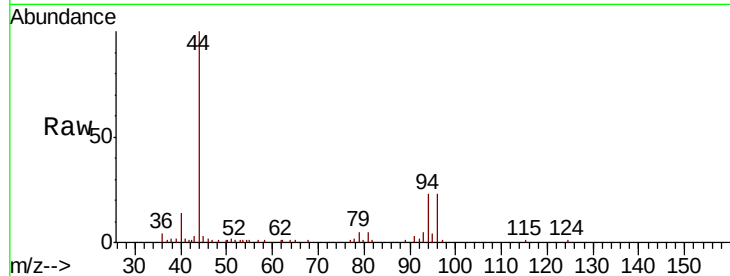
MDL-WATER-07

Tot Ion: 94 Resp: 3853

Ion Ratio Lower Upper

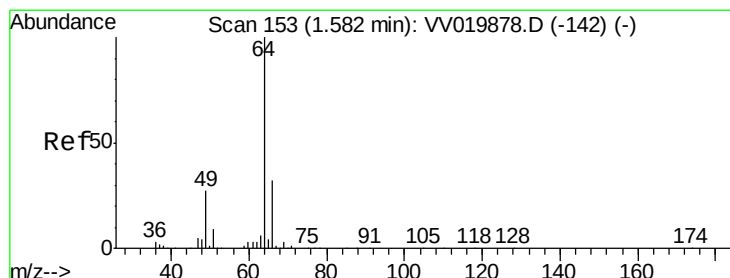
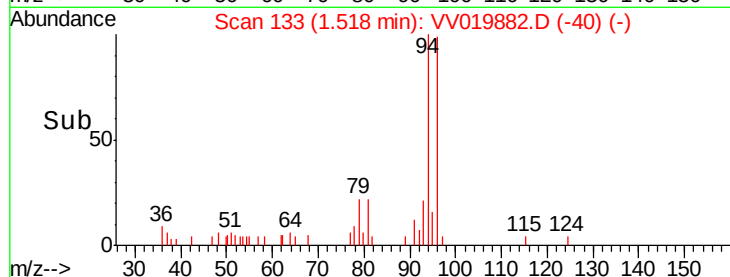
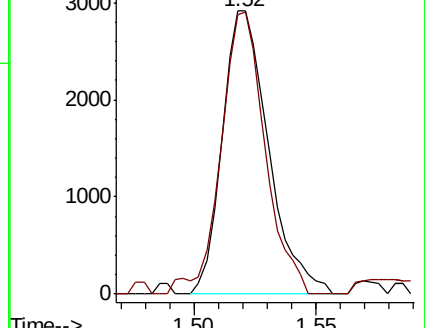
94 100

96 98.8 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV019882.D (-120) (-)

Ion 96.00 (95.70 to 96.70): VV019882.D (-120) (-)



#8

Chloroethane

Concen: 0.224 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV019882.D

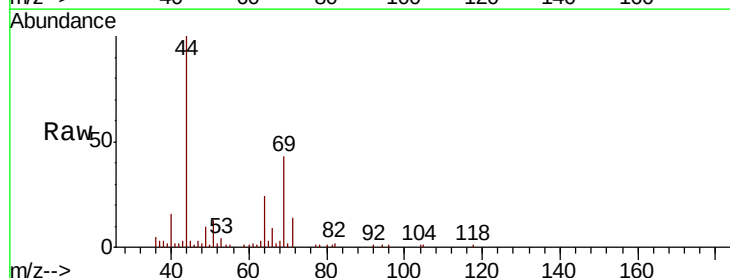
Acq: 31 Dec 2020 15:15

Tgt Ion: 64 Resp: 3550

Ion Ratio Lower Upper

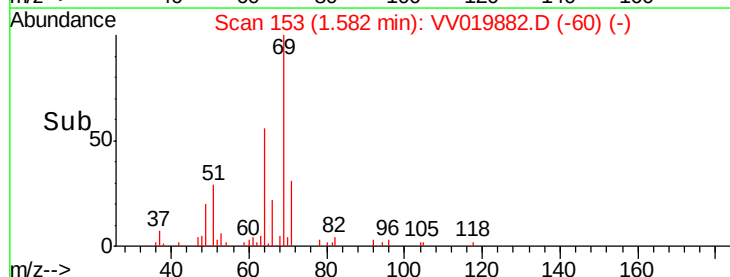
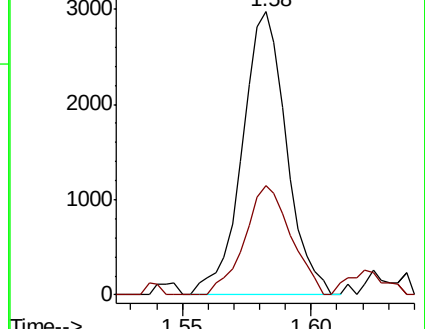
64 100

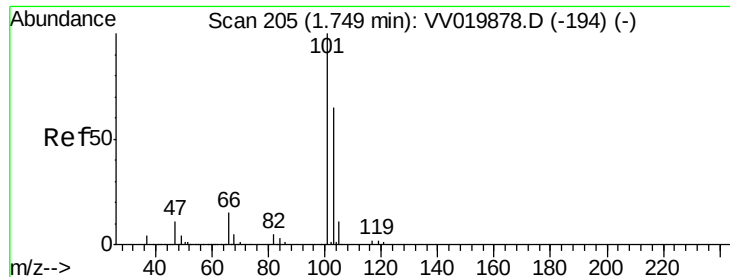
66 38.8 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VV019882.D (-142) (-)

Ion 66.05 (65.75 to 66.75): VV019882.D (-142) (-)



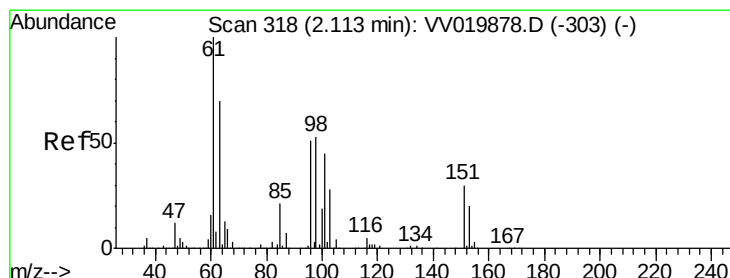
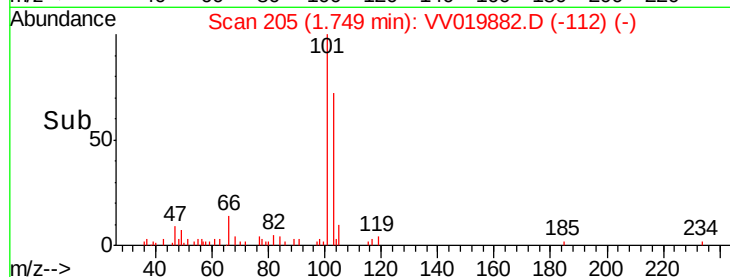
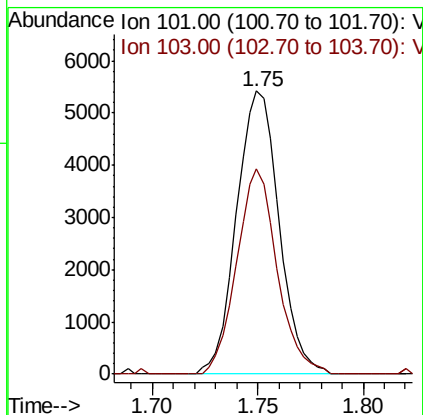
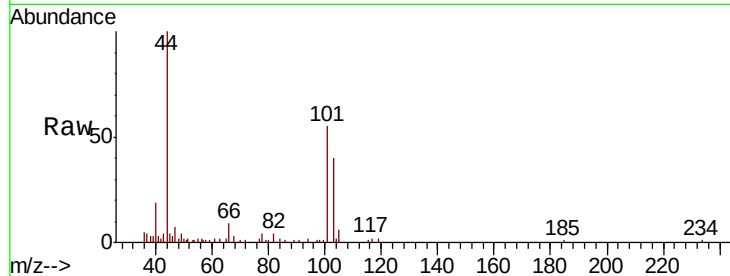


#9

Trichlorofluoromethane
 Concen: 0.241 ug/L
 RT: 1.75 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

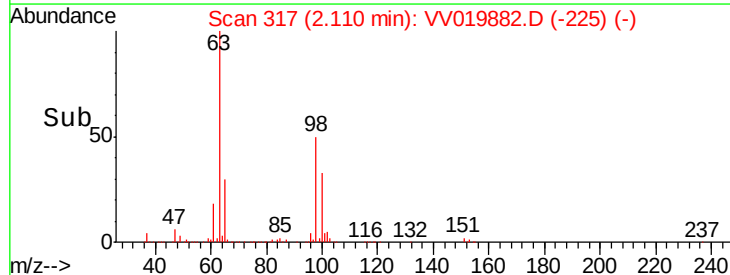
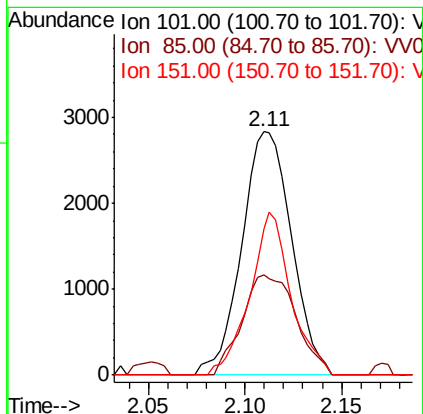
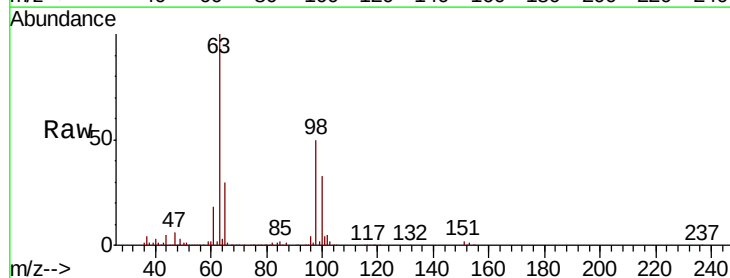
Tot Ion:101 Resp: 7593
 Ion Ratio Lower Upper
 101 100
 103 69.0 51.8 77.8

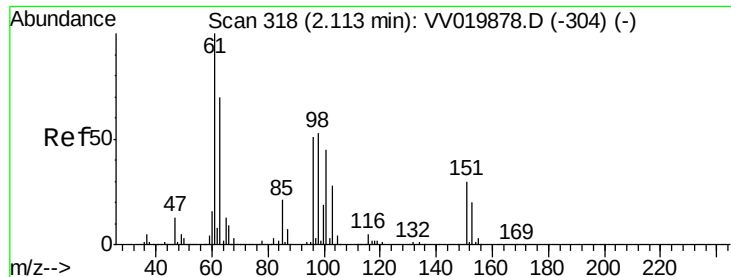


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.299 ug/L
 RT: 2.11 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion:101 Resp: 5071
 Ion Ratio Lower Upper
 101 100
 85 44.6 36.4 54.6
 151 55.3 54.1 81.1





#12

1,1-Dichloroethene

Concen: 0.308 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

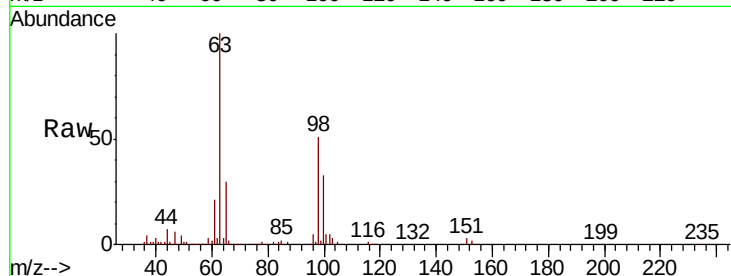
Tot Ion: 96 Resp: 5331

Ion Ratio Lower Upper

96 100

61 415.3 131.5 244.1#

63 2003.6 95.2 176.8#

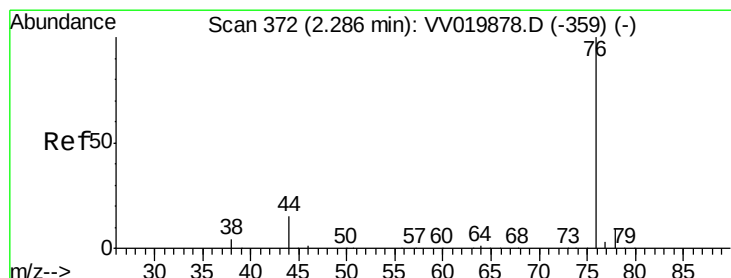
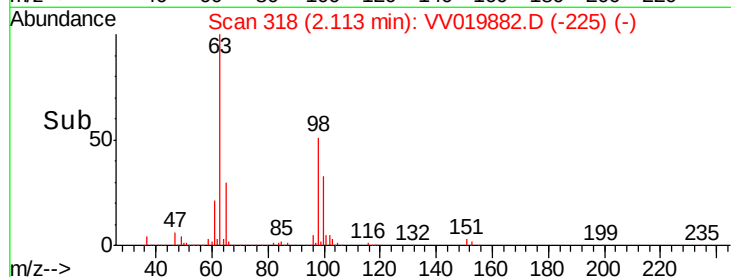
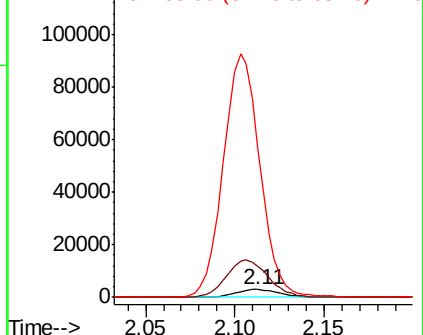


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#14

Carbon disulfide

Concen: 0.229 ug/L

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VV019882.D

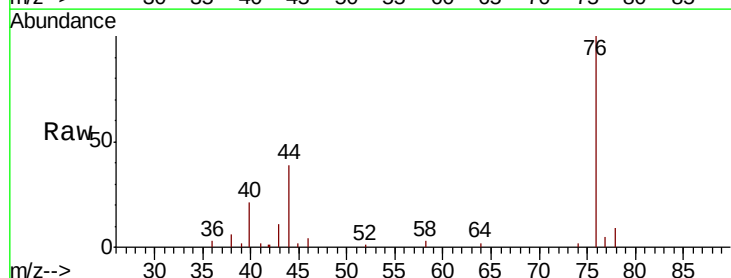
Acq: 31 Dec 2020 15:15

Tgt Ion: 76 Resp: 13743

Ion Ratio Lower Upper

76 100

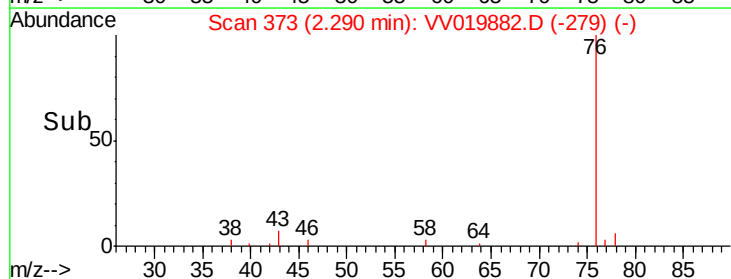
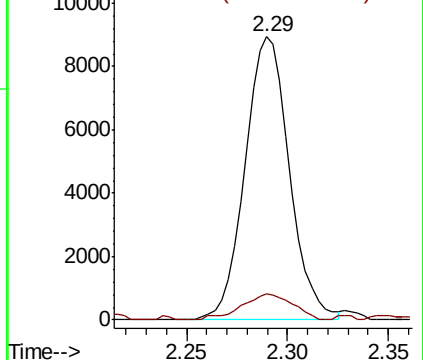
78 9.1 7.2 10.8

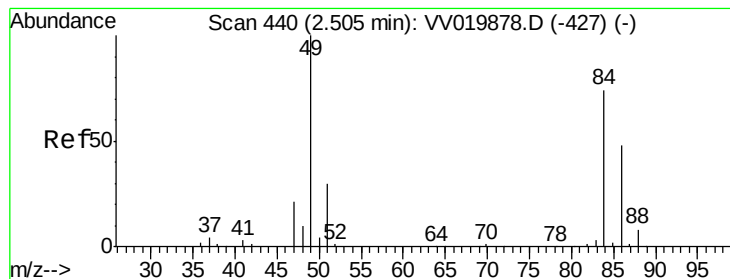


Abundance

Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#16

Methylene chloride

Concen: 0.381 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.00 min

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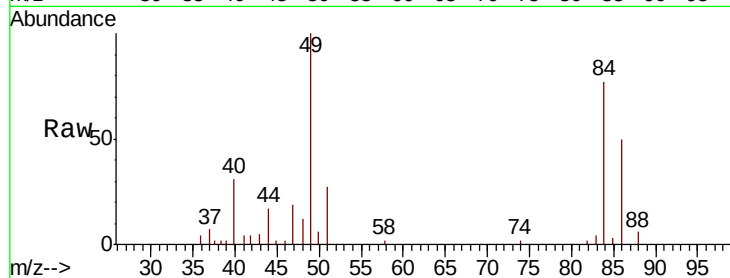
Tot Ion: 84 Resp: 8029

Ion Ratio Lower Upper

84 100

86 65.6 42.8 79.4

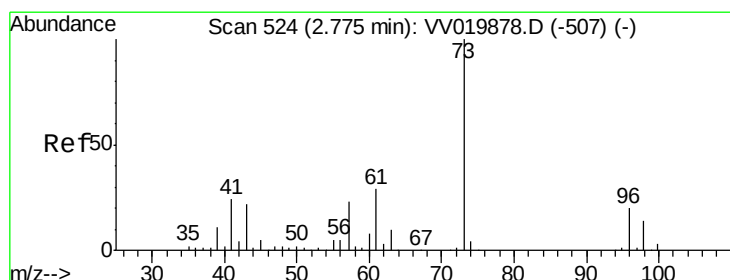
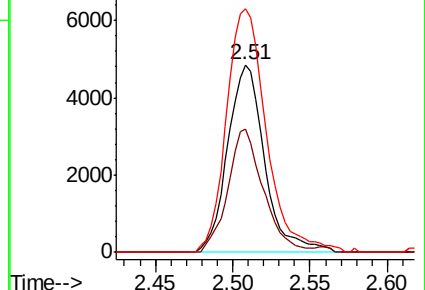
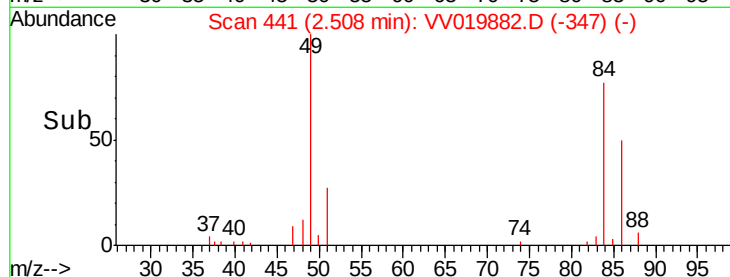
49 129.9 93.9 174.3



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



#17

Methyl tert-butyl Ether

Concen: 0.224 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

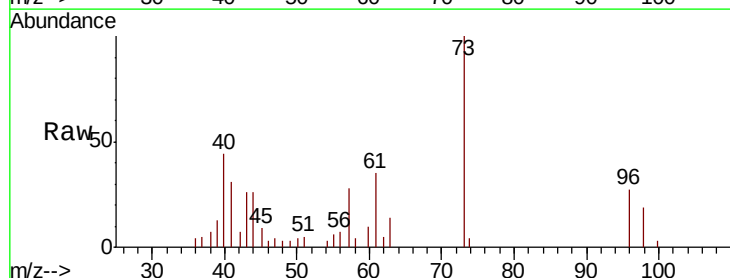
Tgt Ion: 73 Resp: 9692

Ion Ratio Lower Upper

73 100

43 27.2 17.0 25.6#

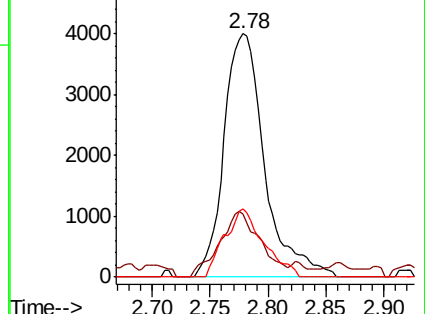
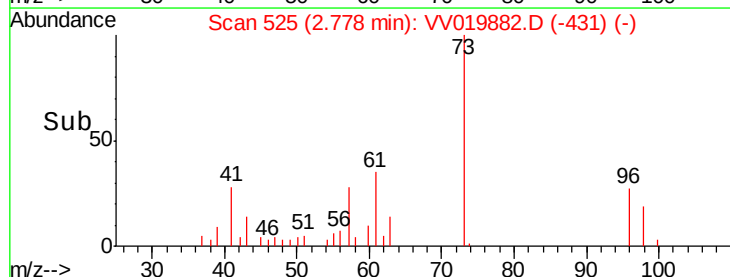
57 27.0 18.2 27.4

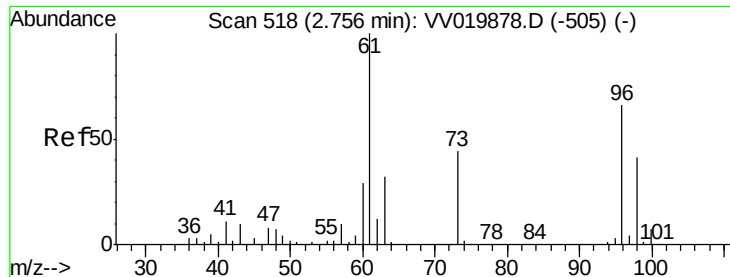


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

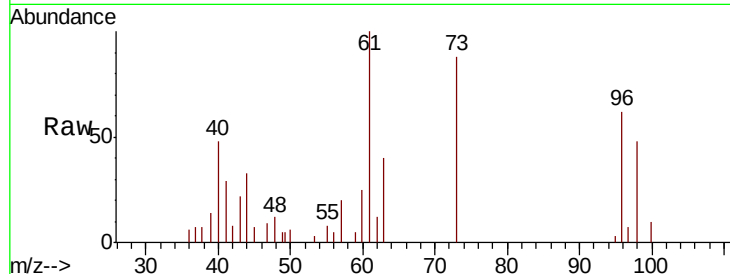




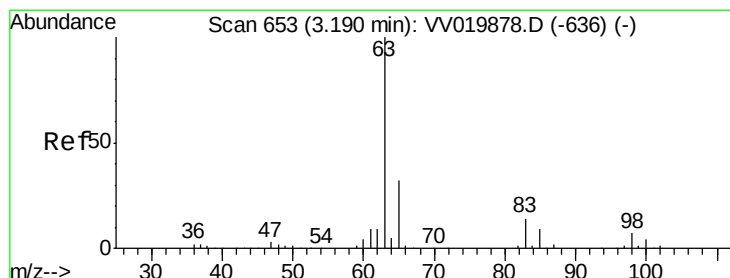
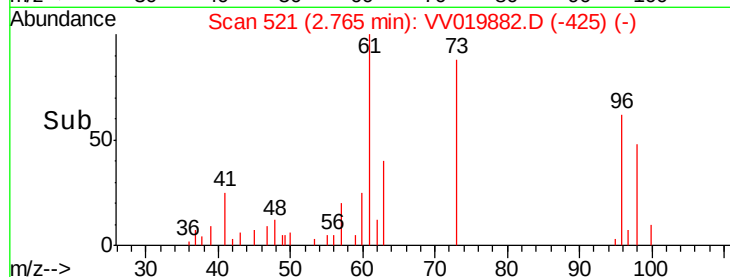
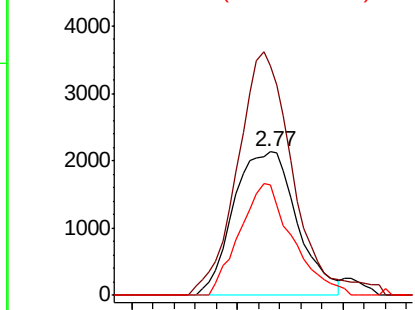
#18
trans-1,2-Dichloroethene
Concen: 0.228 ug/L
RT: 2.77 min Scan# 521
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion: 96 Resp: 4457
Ion Ratio Lower Upper
96 100
61 160.4 106.3 197.3
98 76.8 44.7 82.9

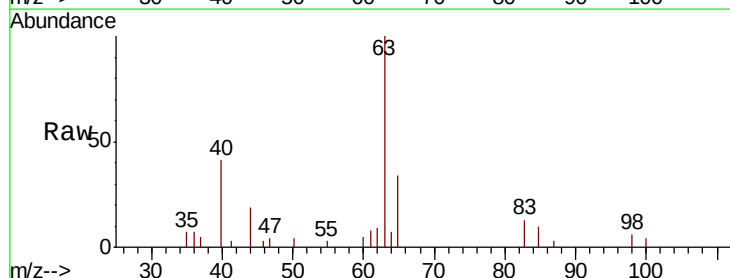


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

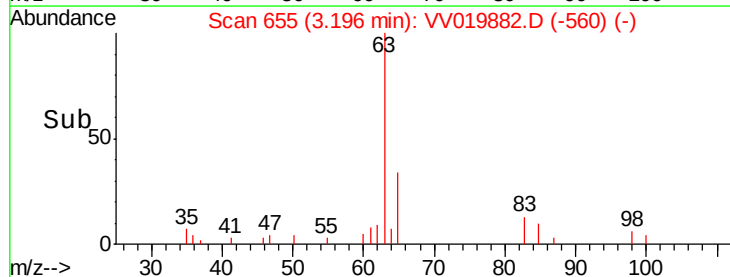
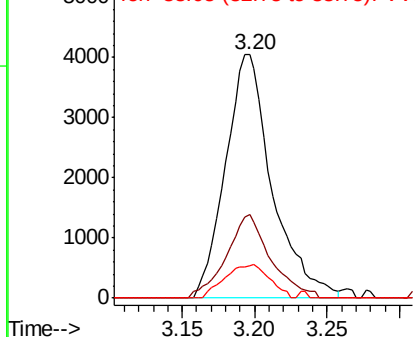


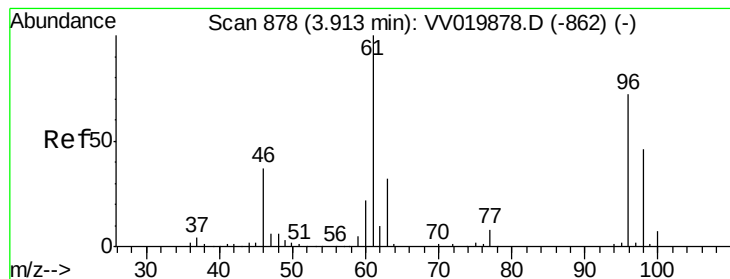
#19
1,1-Dichloroethane
Concen: 0.238 ug/L
RT: 3.20 min Scan# 655
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion: 63 Resp: 9029
Ion Ratio Lower Upper
63 100
65 34.4 21.8 40.6
83 13.4 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



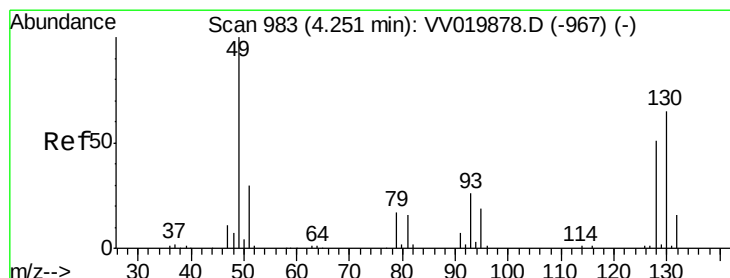
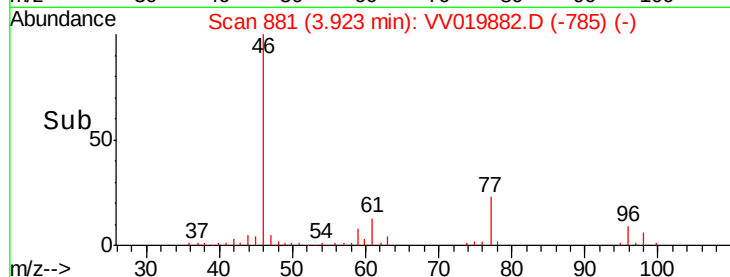
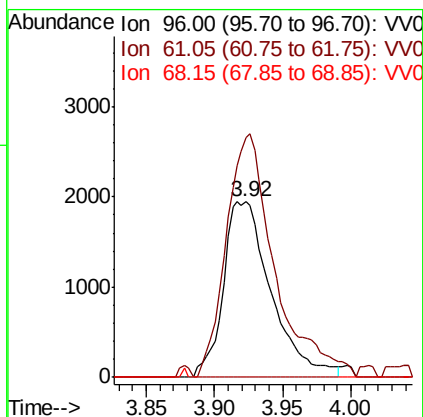
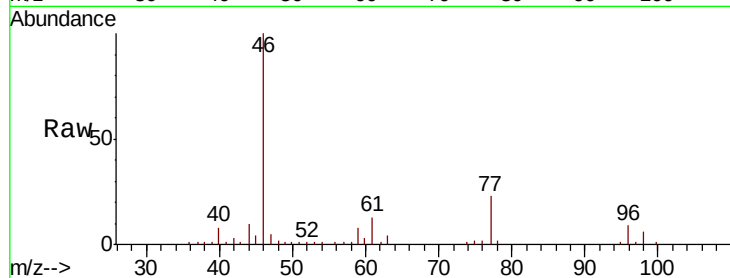


#22

cis-1,2-Dichloroethene
 Concen: 0.234 ug/L
 RT: 3.92 min Scan# 881
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampled :
 MDL-WATER-07

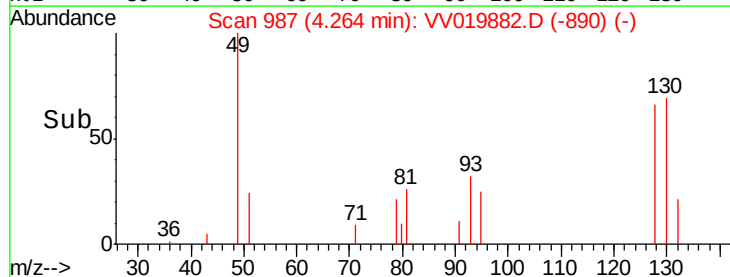
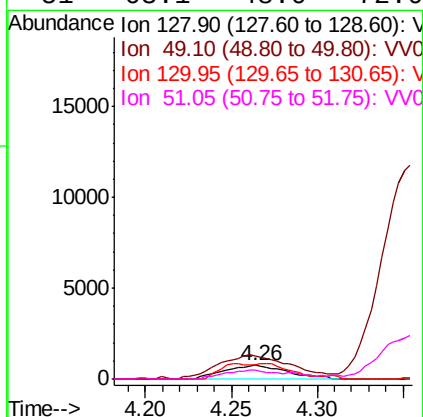
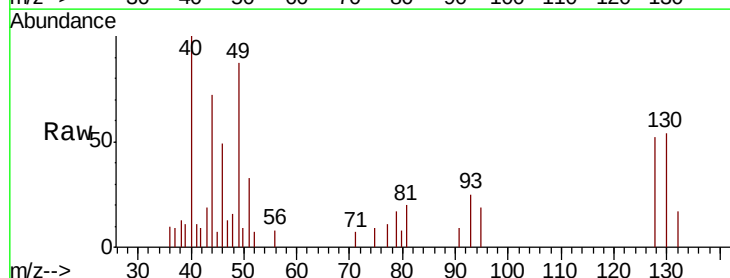
Tot Ion: 96 Resp: 4749
 Ion Ratio Lower Upper
 96 100
 61 137.0 98.1 182.3
 68 0.0 0.0 0.0

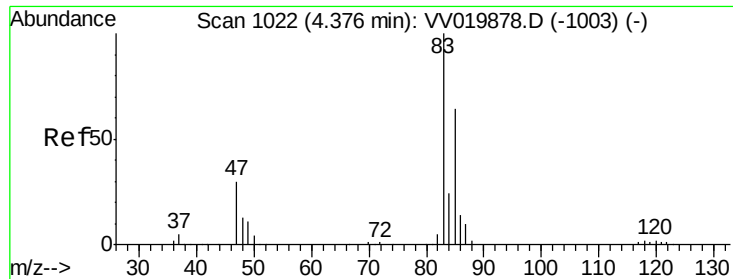


#23

Bromochloromethane
 Concen: 0.238 ug/L
 RT: 4.26 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion:128 Resp: 1927
 Ion Ratio Lower Upper
 128 100
 49 168.9 132.6 246.2
 130 104.8 86.4 160.4
 51 63.1 48.0 72.0

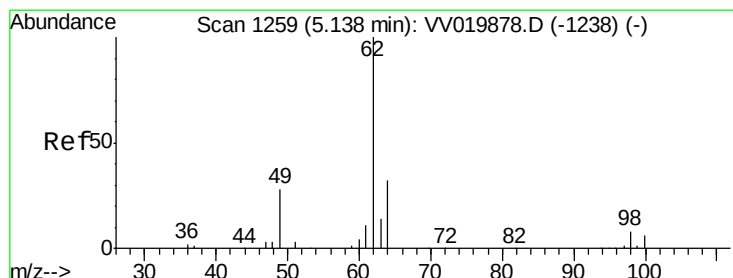
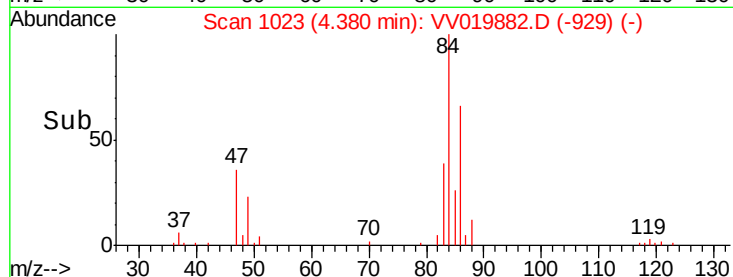
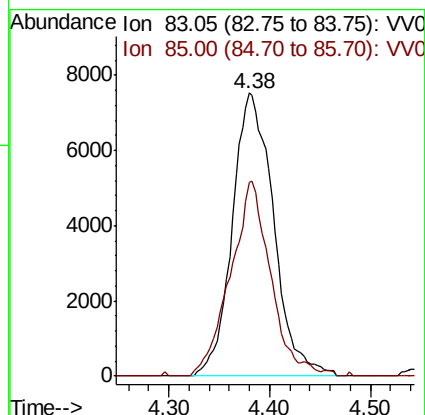
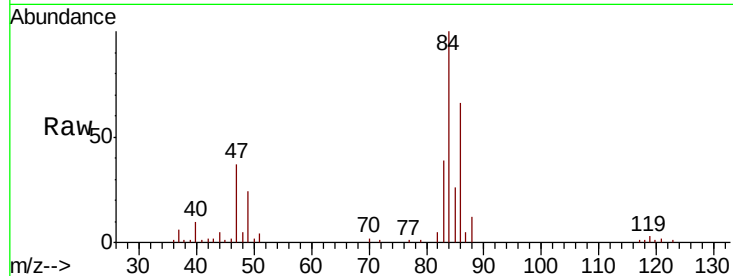




#25
Chloroform
Concen: 0.567 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

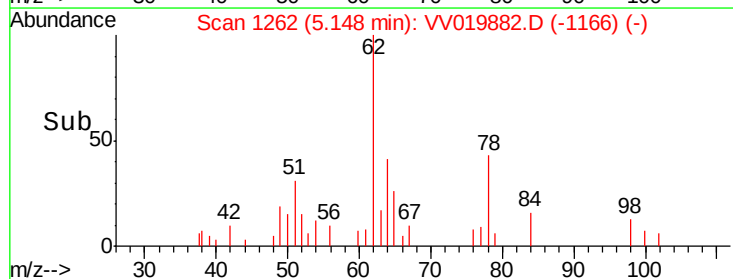
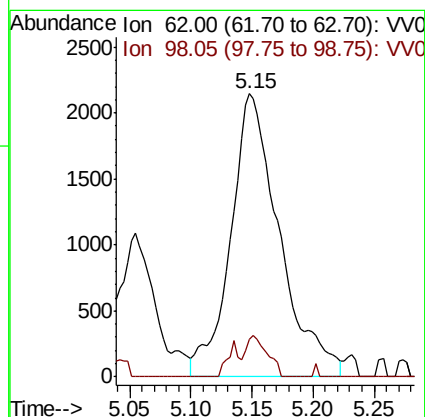
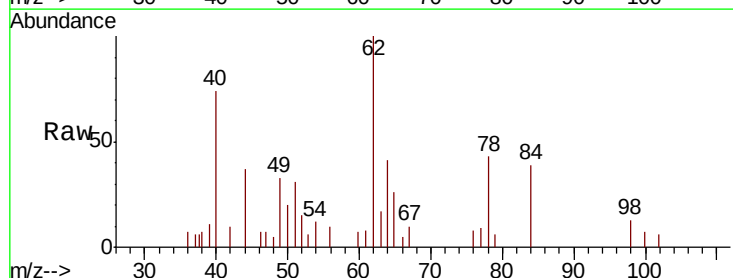
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

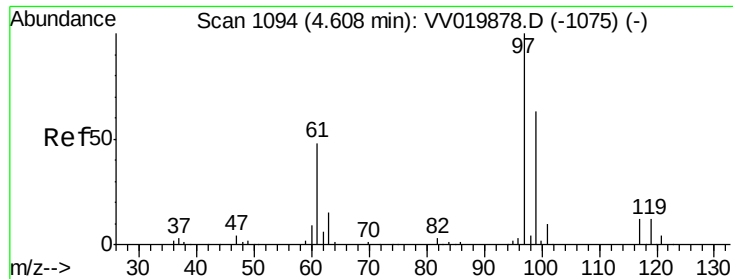
Tot Ion: 83 Resp: 21365
Ion Ratio Lower Upper
83 100
85 68.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 0.259 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion: 62 Resp: 5952
Ion Ratio Lower Upper
62 100
98 13.4 7.6 11.4#

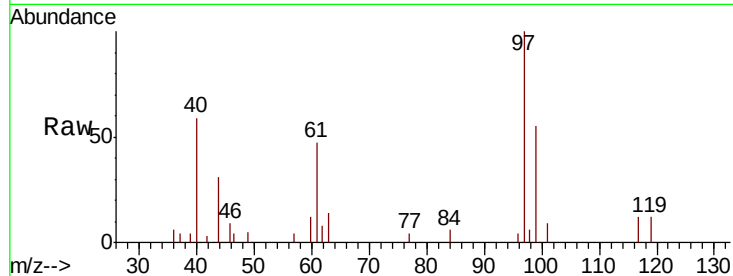




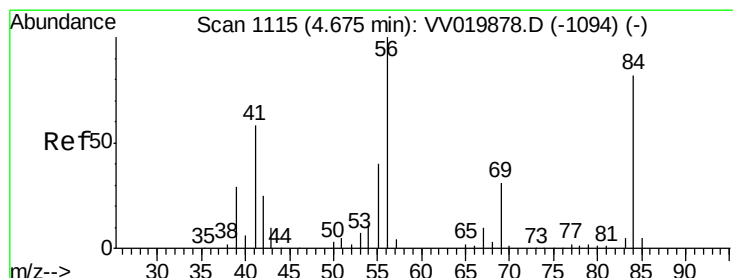
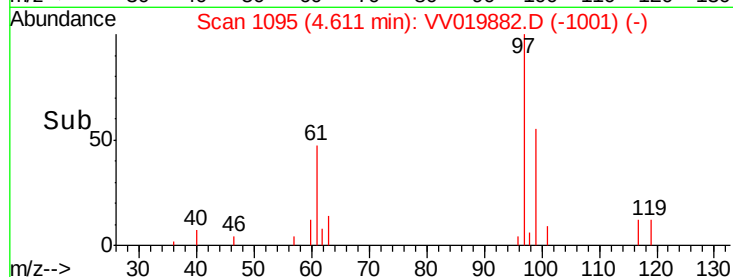
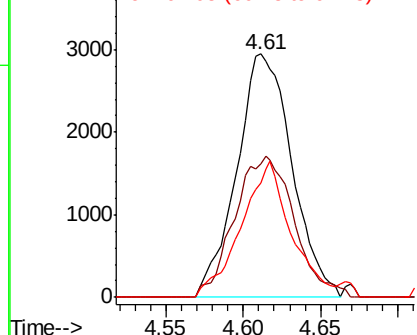
#29
 1,1,1-Trichloroethane
 Concen: 0.226 ug/L
 RT: 4.61 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion: 97 Resp: 7321
 Ion Ratio Lower Upper
 97 100
 99 62.5 51.1 76.7
 61 50.5 38.6 57.8

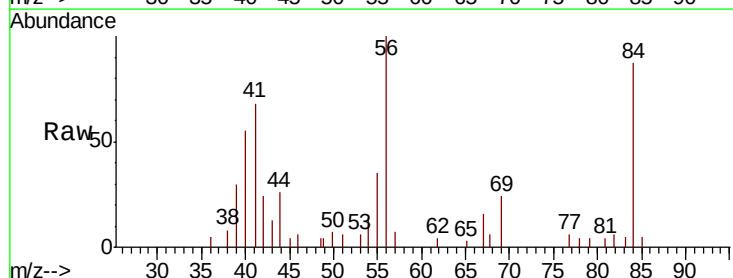


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

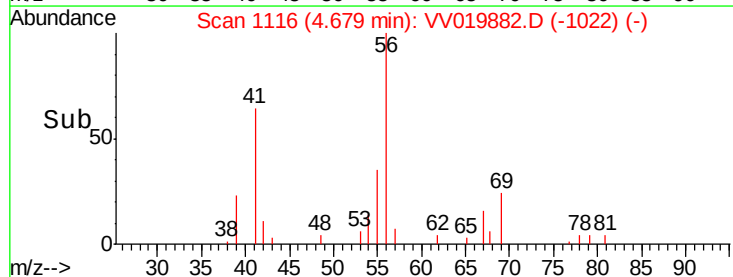
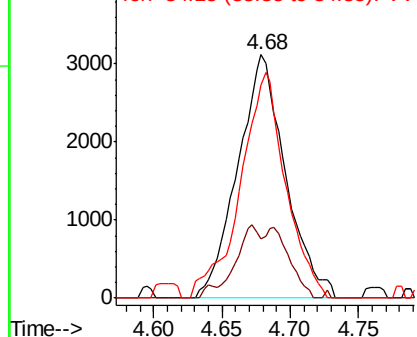


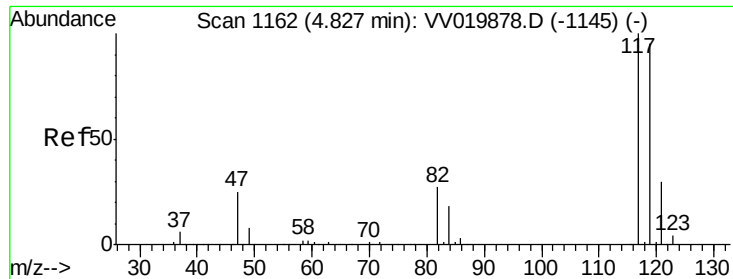
#30
 Cyclohexane
 Concen: 0.232 ug/L
 RT: 4.68 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion: 56 Resp: 7585
 Ion Ratio Lower Upper
 56 100
 69 16.4 24.1 36.1#
 84 87.5 66.8 100.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.119 ug/L

RT: 4.83 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

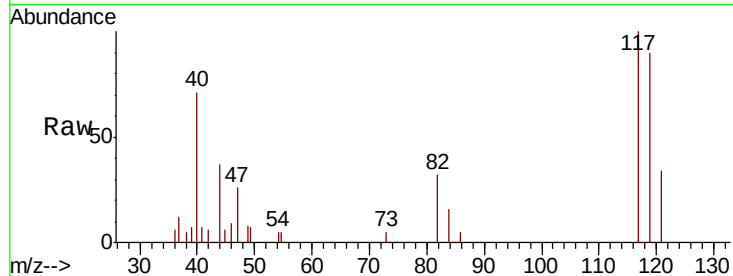
MDL-WATER-07

Tot Ion:117 Resp: 3160

Ion Ratio Lower Upper

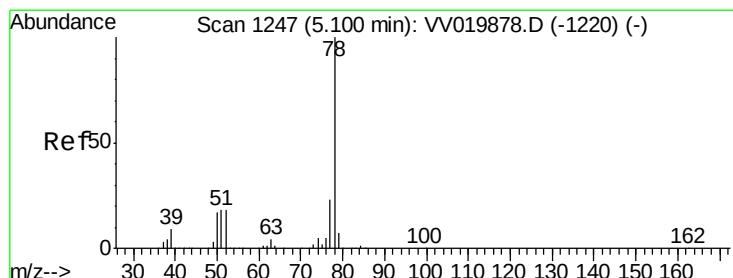
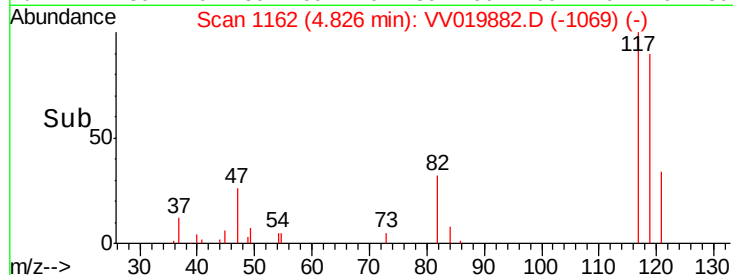
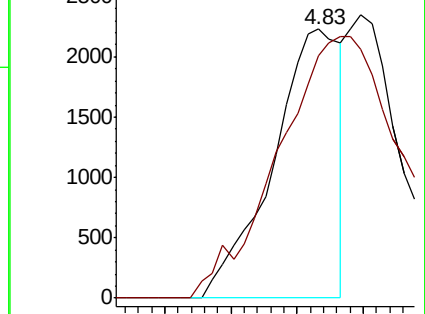
117 100

119 179.5 76.0 114.0#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.213 ug/L

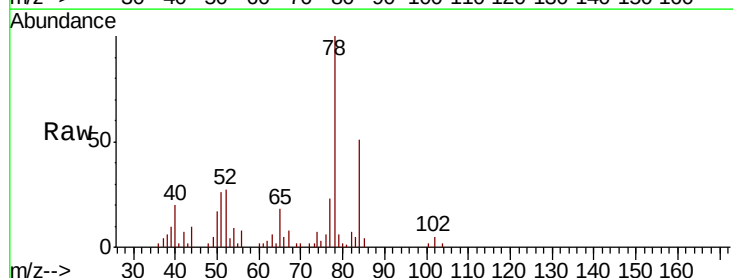
RT: 5.11 min Scan# 1249

Delta R.T. 0.01 min

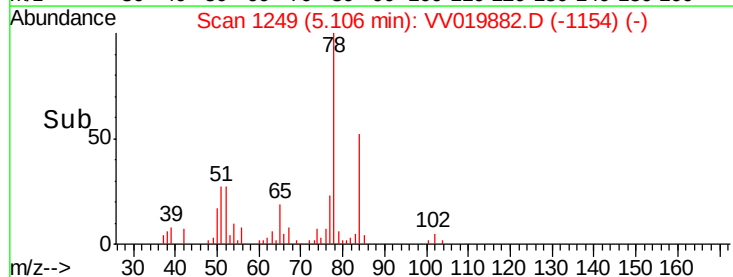
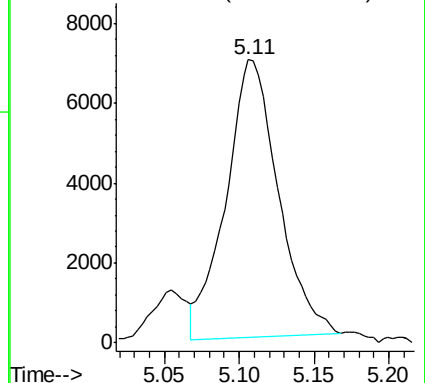
Lab File: VV019882.D

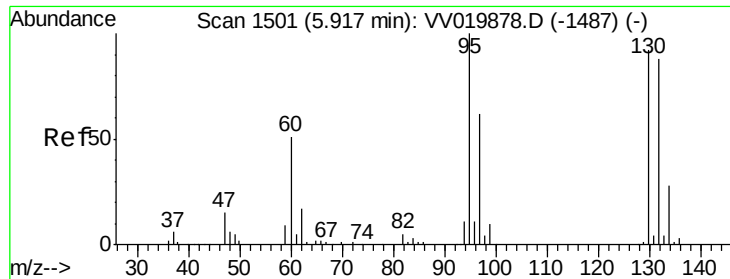
Acq: 31 Dec 2020 15:15

Tgt Ion: 78 Resp: 16989



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.239 ug/L

RT: 5.92 min Scan# 1503

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion: 95 Resp: 5087

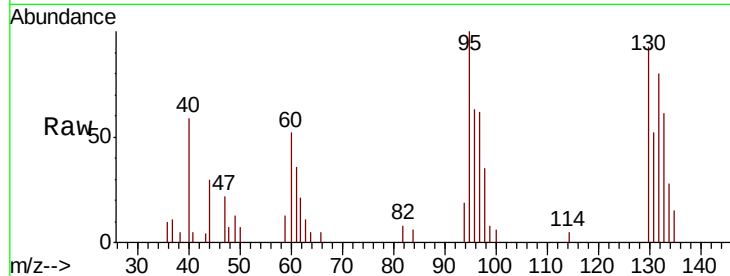
Ion Ratio Lower Upper

95 100

97 61.6 44.1 81.9

132 79.8 61.2 113.8

130 93.0 65.1 120.9

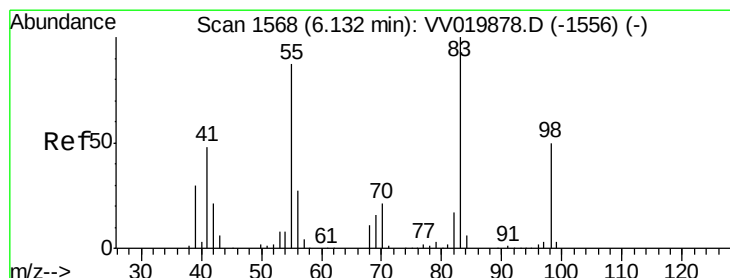
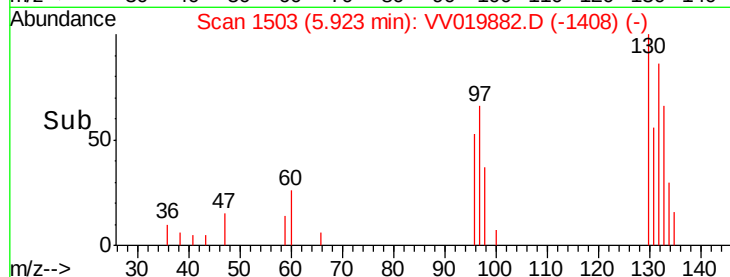
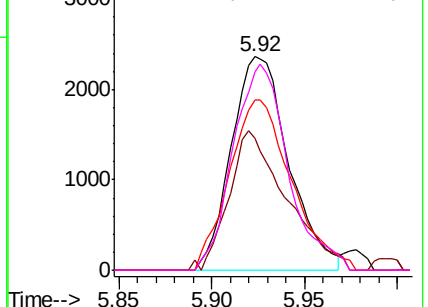


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 0.213 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

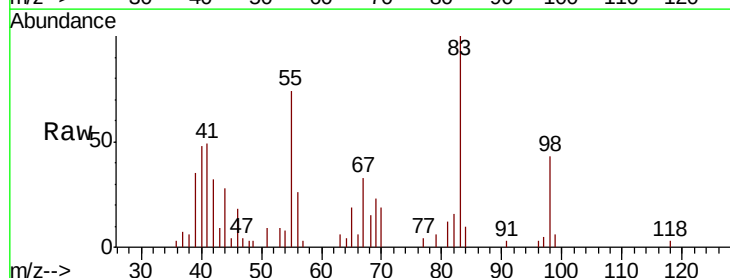
Tgt Ion: 83 Resp: 6783

Ion Ratio Lower Upper

83 100

55 87.8 67.5 101.3

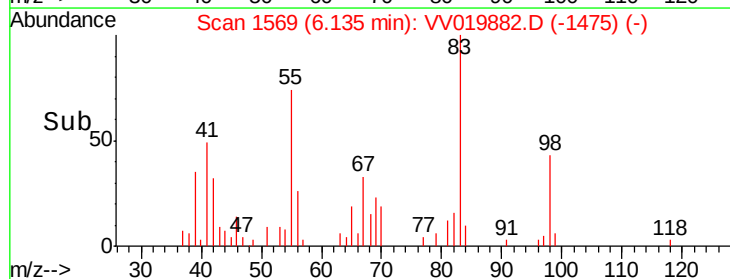
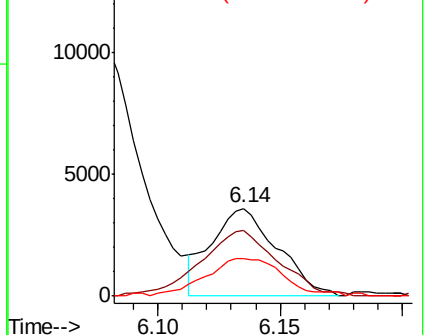
98 50.1 38.6 58.0

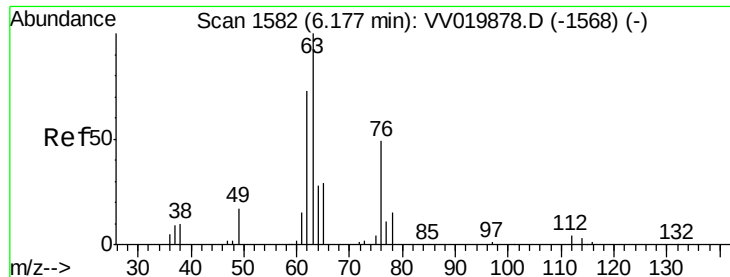


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

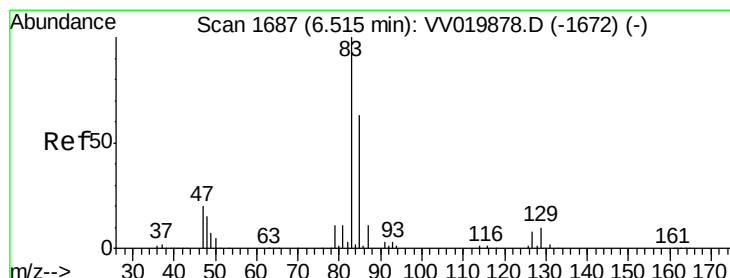
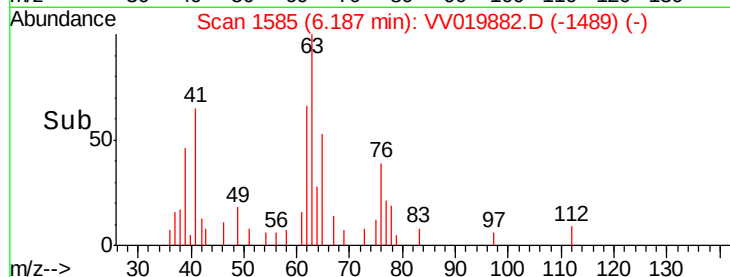
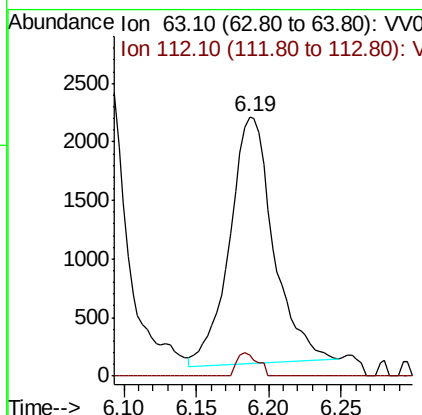
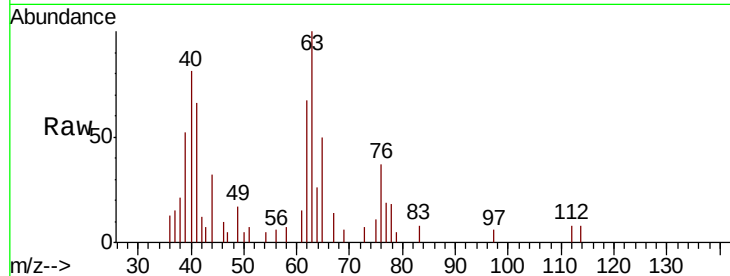




#37
 1,2-Dichloropropane
 Concen: 0.222 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

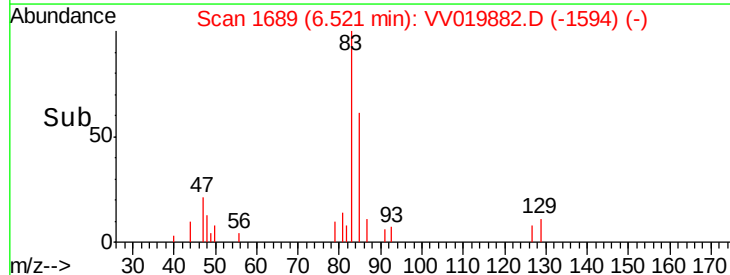
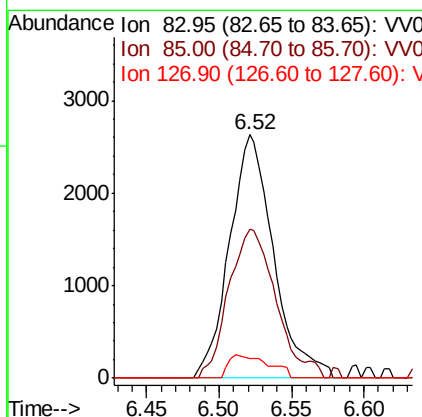
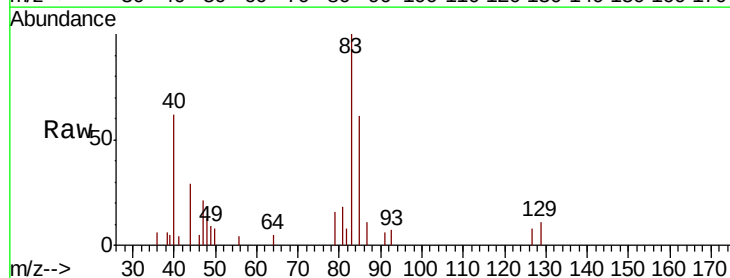
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-07

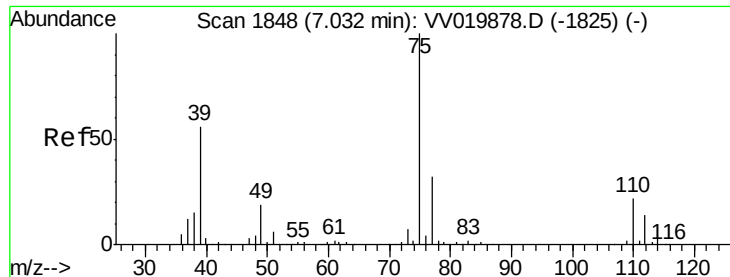
Tot Ion: 63 Resp: 4439
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 0.225 ug/L
 RT: 6.52 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion: 83 Resp: 5554
 Ion Ratio Lower Upper
 83 100
 85 61.3 45.9 85.3
 127 8.2 6.2 9.2

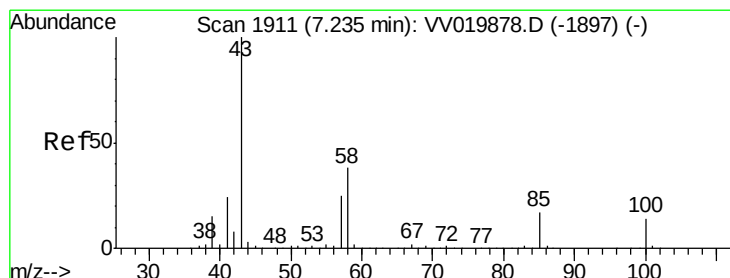
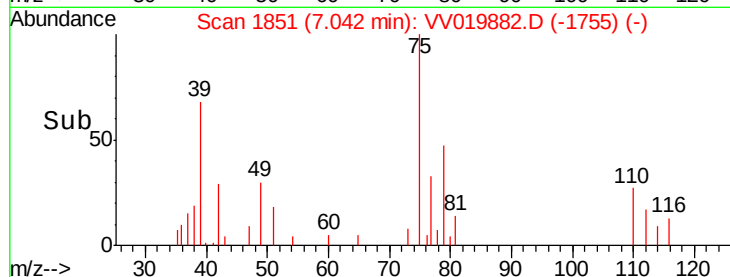
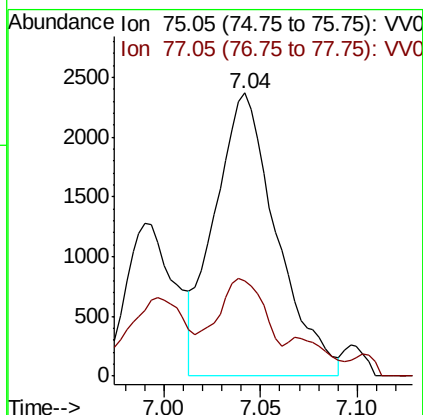
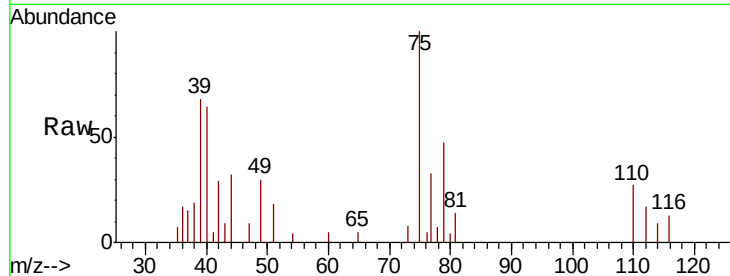




#39
 cis-1,3-Dichloropropene
 Concen: 0.192 ug/L
 RT: 7.04 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

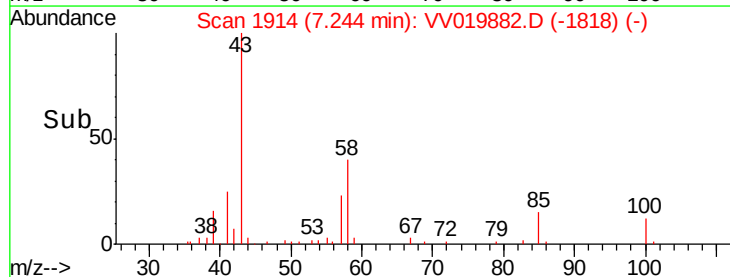
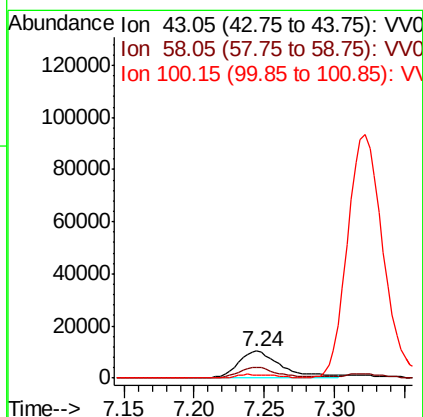
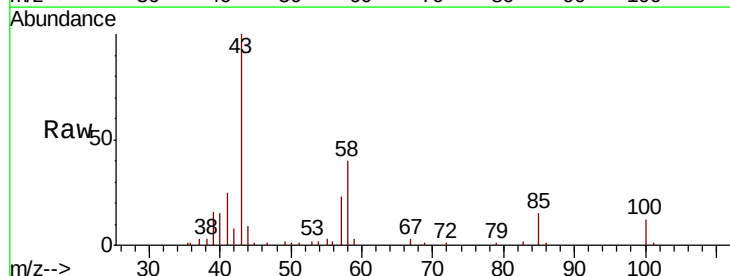
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-07

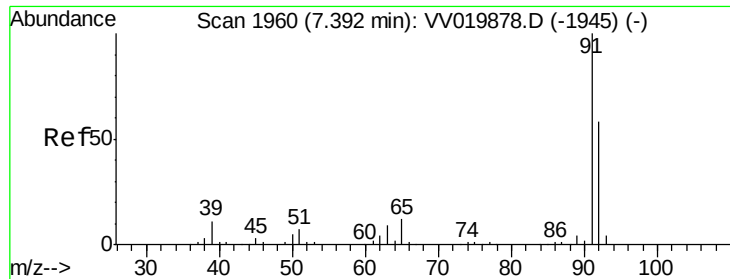
Tot Ion: 75 Resp: 5280
 Ion Ratio Lower Upper
 75 100
 77 33.5 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 1.996 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion: 43 Resp: 22523
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.0 45.0
 100 0.0 11.4 17.0#





#42

Toluene

Concen: 0.232 ug/L

RT: 7.40 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

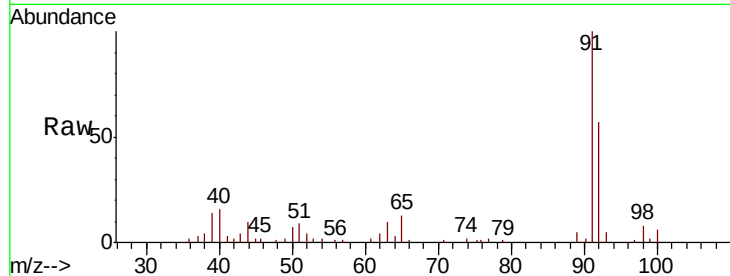
MDL-WATER-07

Tot Ion: 91 Resp: 18786

Ion Ratio Lower Upper

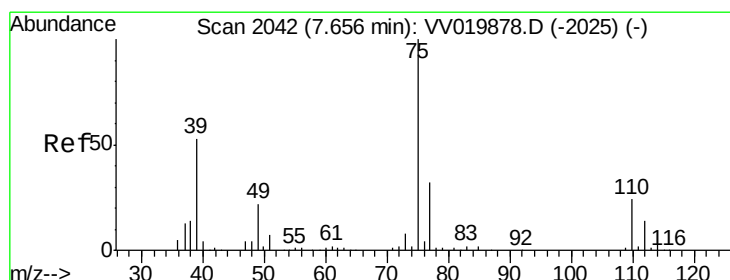
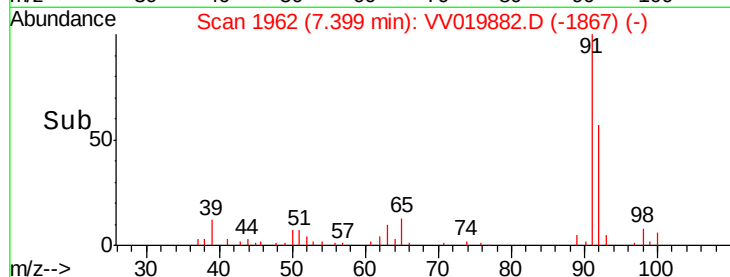
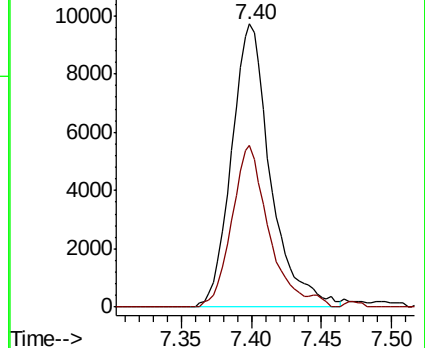
91 100

92 57.0 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.280 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. 0.01 min

Lab File: VV019882.D

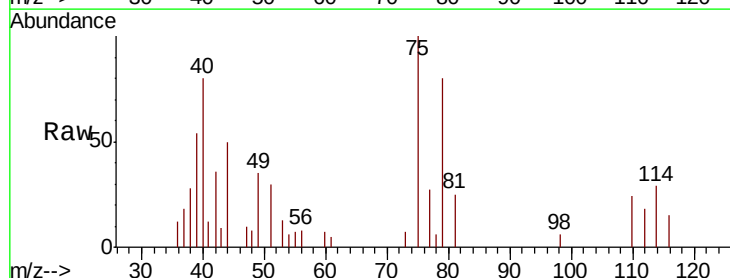
Acq: 31 Dec 2020 15:15

Tgt Ion: 75 Resp: 6283

Ion Ratio Lower Upper

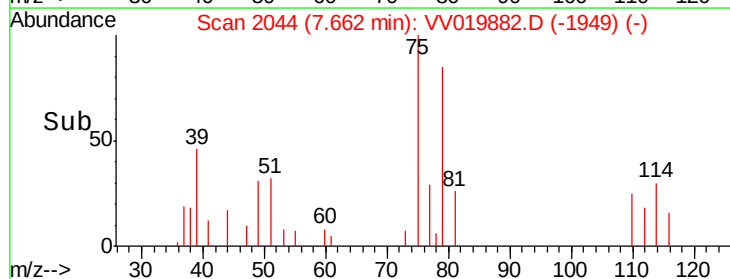
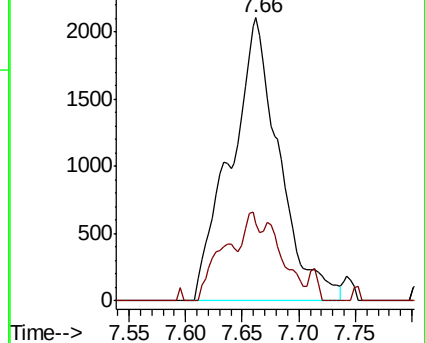
75 100

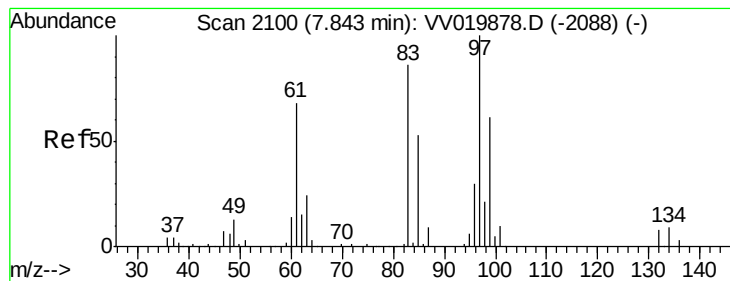
77 27.5 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.226 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion: 97 Resp: 2918

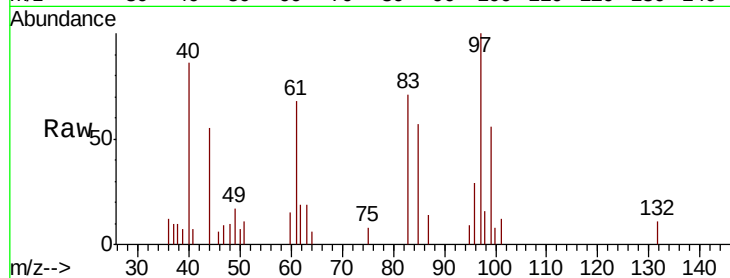
Ion Ratio Lower Upper

97 100

99 56.3 42.4 78.8

83 71.0 59.4 110.4

85 56.8 39.5 73.3

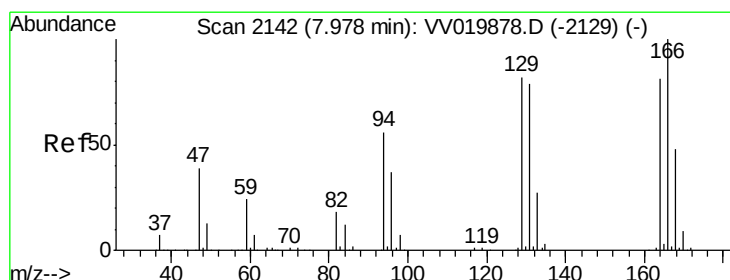
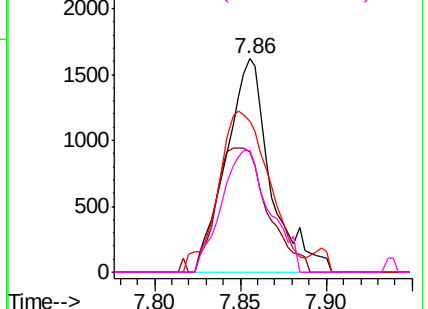
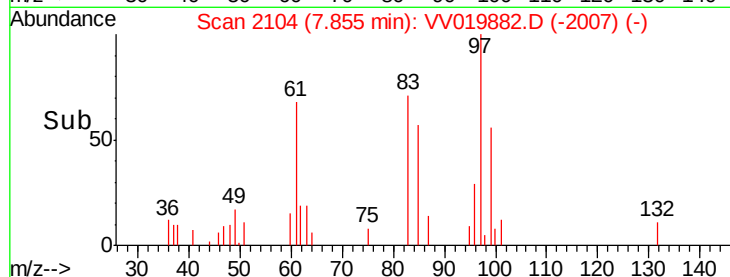


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 0.218 ug/L

RT: 7.98 min Scan# 2144

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Tgt Ion: 164 Resp: 3148

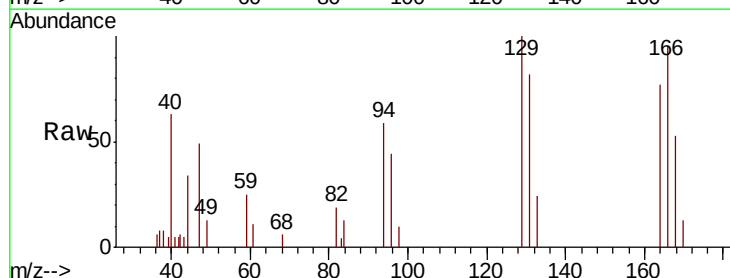
Ion Ratio Lower Upper

164 100

129 130.0 72.1 133.9

131 106.9 68.9 127.9

166 124.1 88.5 164.4

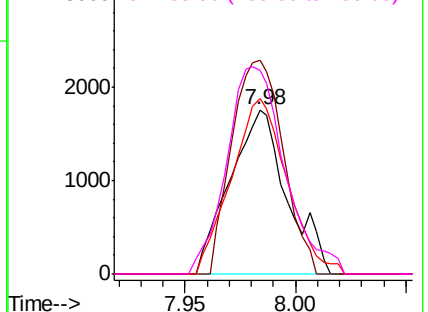
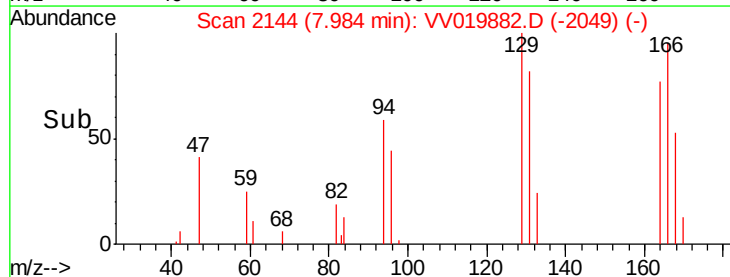


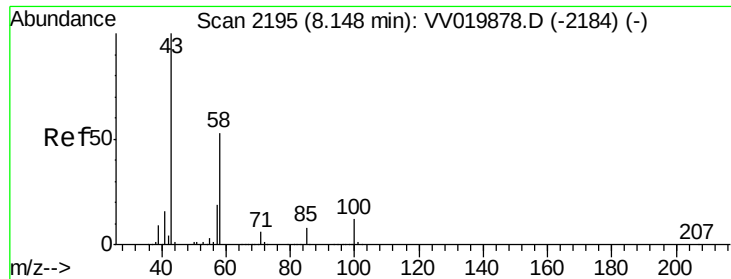
Abundance Ion 163.90 (163.60 to 164.60): V

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

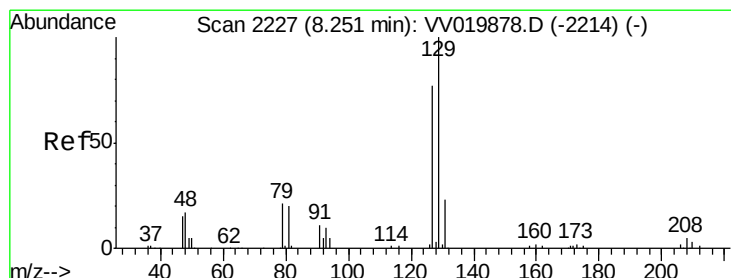
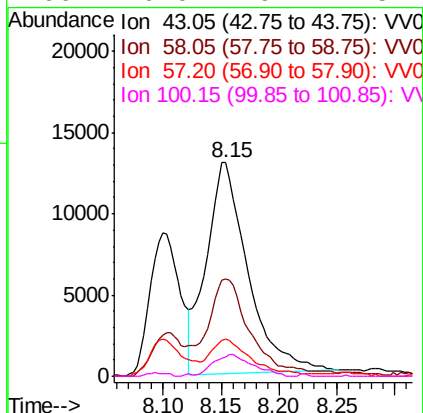
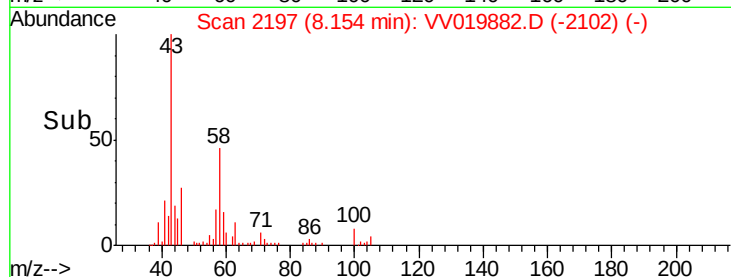
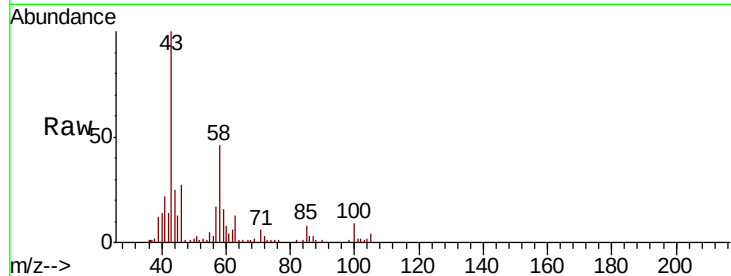




#48
2-Hexanone
Concen: 4.154 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

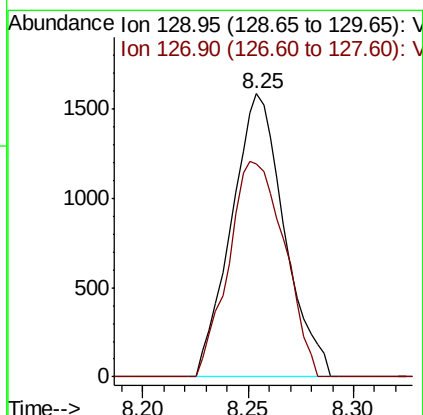
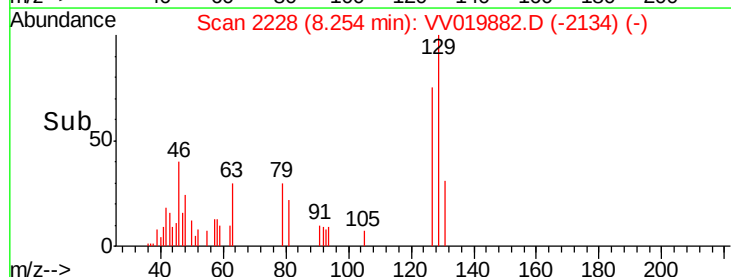
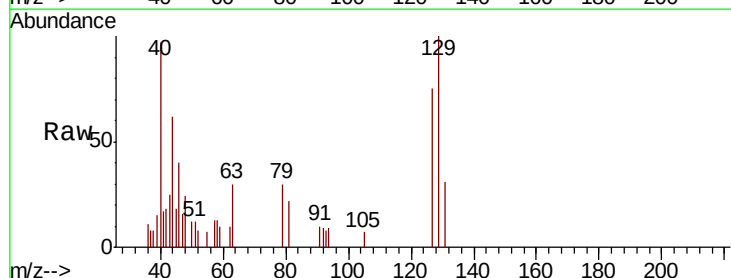
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

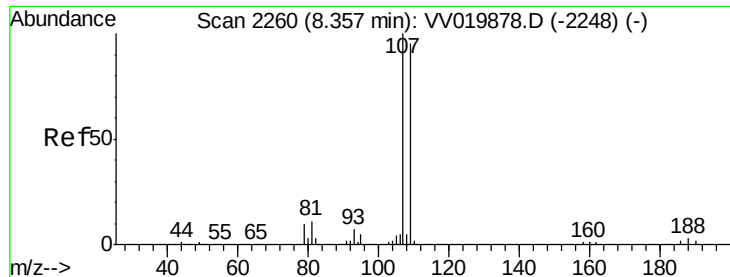
Tot Ion:	43	Resp:	32499
Ion	Ratio	Lower	Upper
43	100		
58	42.6	42.4	63.6
57	15.5	14.8	22.2
100	10.0	9.1	13.7



#49
Dibromochloromethane
Concen: 0.198 ug/L
RT: 8.25 min Scan# 2228
Delta R.T. 0.00 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion:	129	Resp:	2763
Ion	Ratio	Lower	Upper
129	100		
127	75.5	55.0	102.2

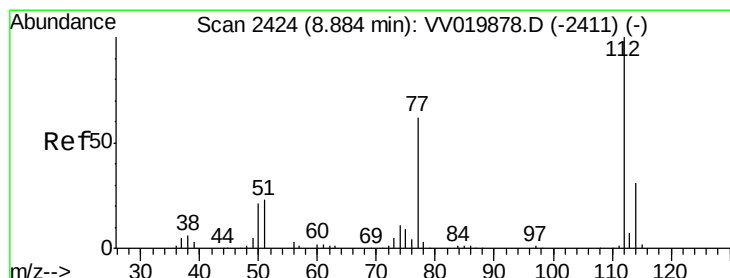
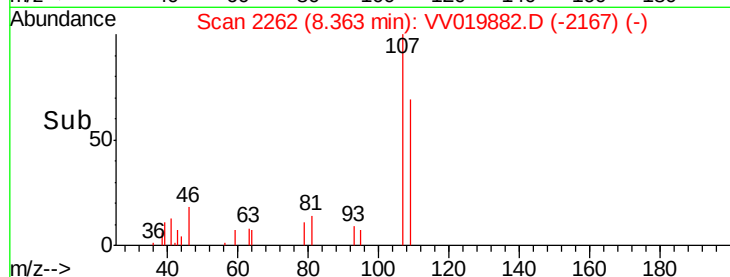
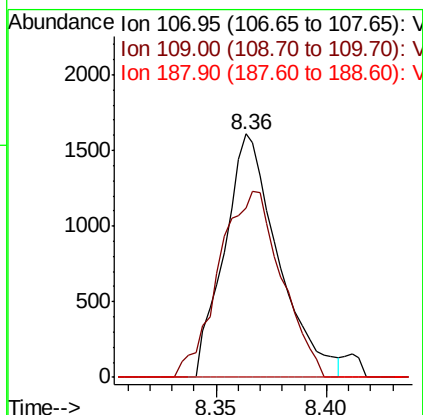
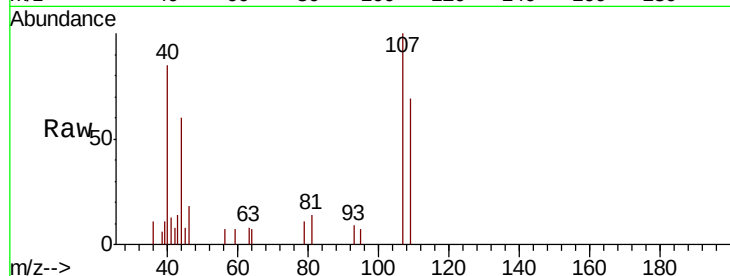




#50
 1,2-Dibromoethane
 Concen: 0.232 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

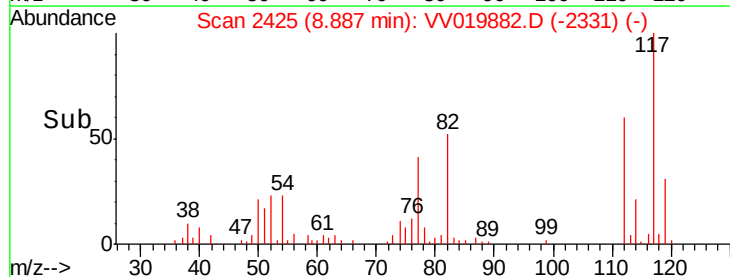
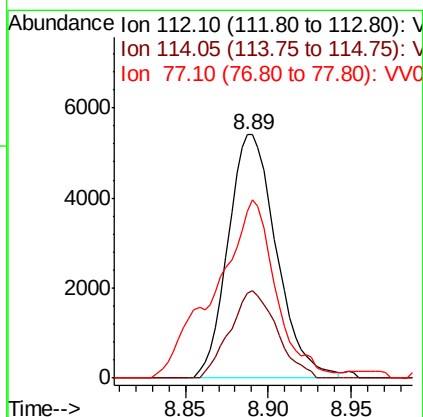
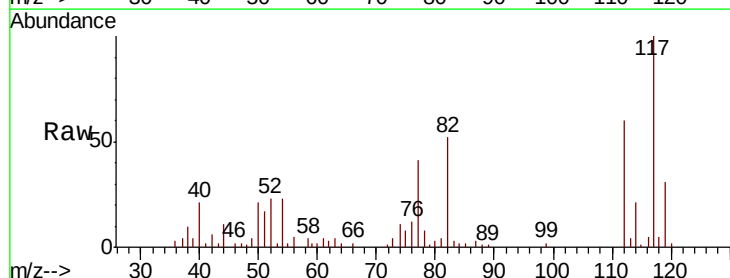
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

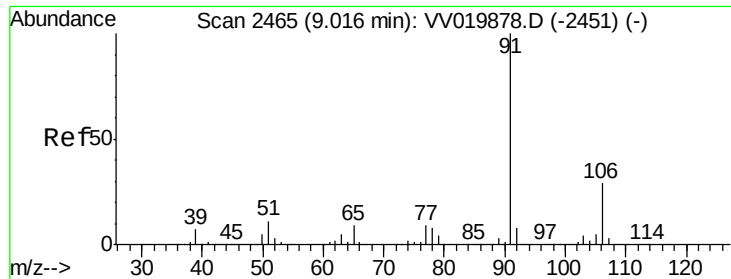
Tot Ion:107 Resp: 2729
 Ion Ratio Lower Upper
 107 100
 109 69.5 63.8 118.4
 188 0.0 2.5 3.7#



#51
 Chlorobenzene
 Concen: 0.214 ug/L
 RT: 8.89 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion:112 Resp: 10933
 Ion Ratio Lower Upper
 112 100
 114 35.0 21.8 40.6
 77 68.6 51.0 76.4

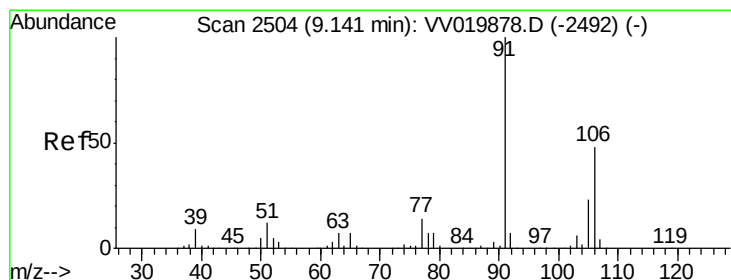
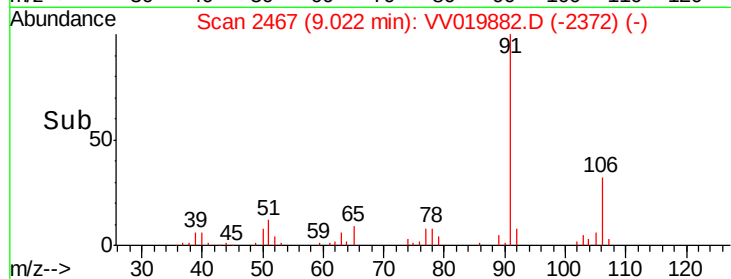
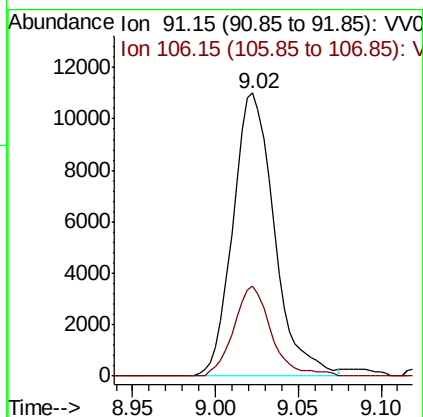
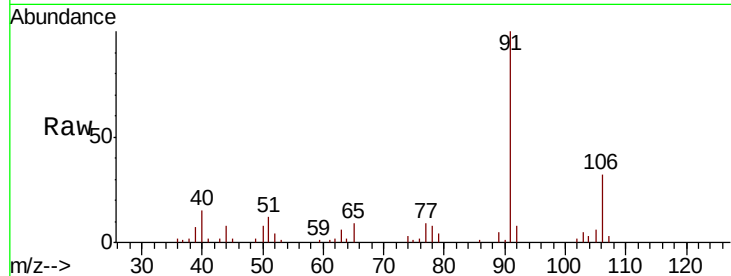




#52
Ethylbenzene
Concen: 0.214 ug/L
RT: 9.02 min Scan# 2467
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

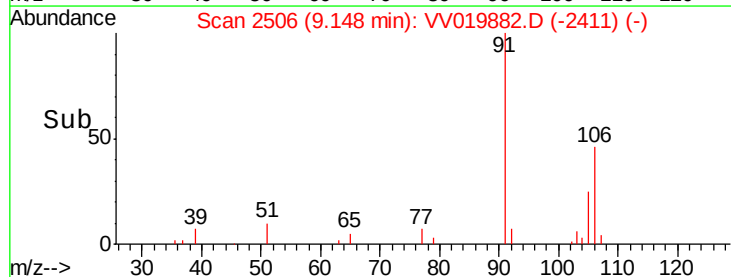
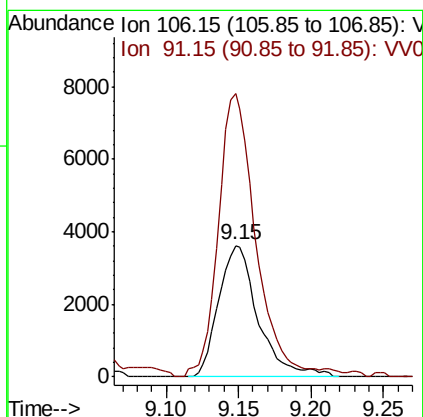
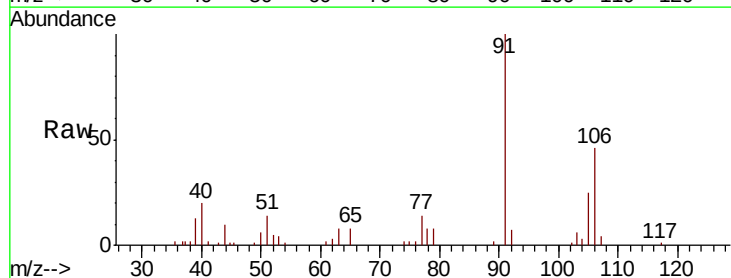
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

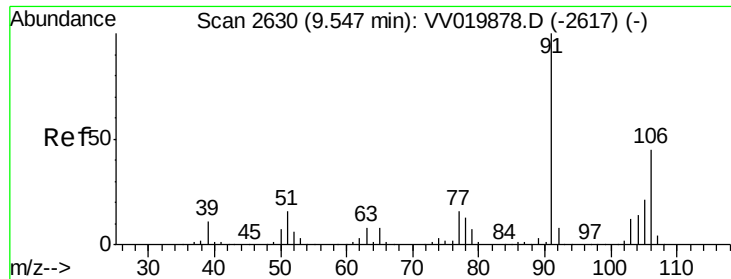
Tot Ion: 91 Resp: 19195
Ion Ratio Lower Upper
91 100
106 31.6 20.9 38.7



#53
m,p-xylene
Concen: 0.208 ug/L
RT: 9.15 min Scan# 2506
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion: 106 Resp: 6804
Ion Ratio Lower Upper
106 100
91 215.3 147.1 273.1

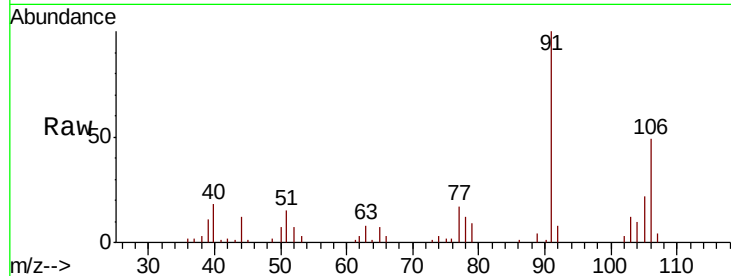




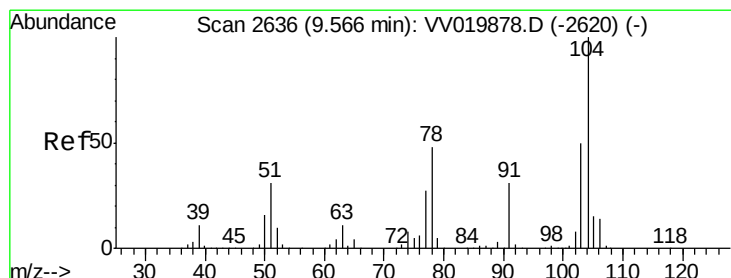
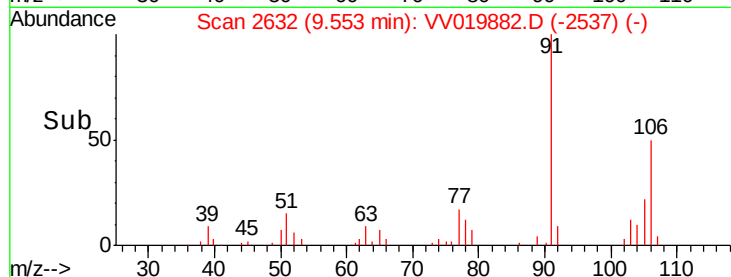
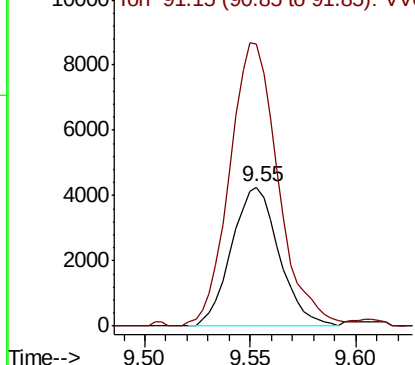
#54
o-xylene
Concen: 0.212 ug/L
RT: 9.55 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion:106 Resp: 6674
Ion Ratio Lower Upper
106 100
91 202.5 155.8 289.3

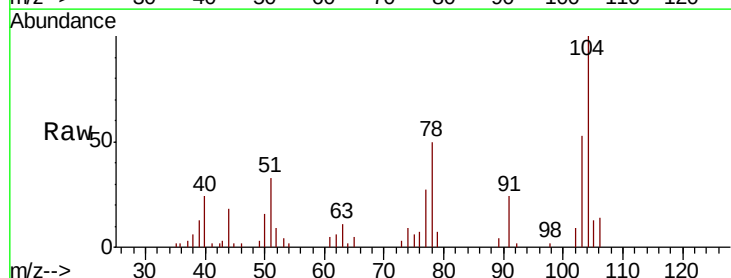


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

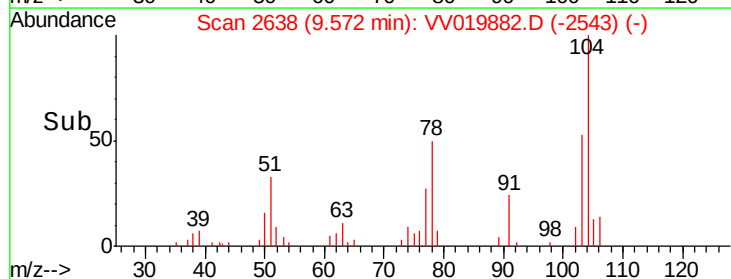
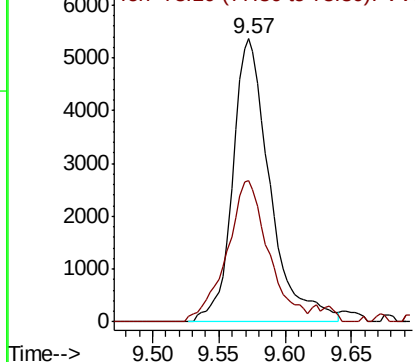


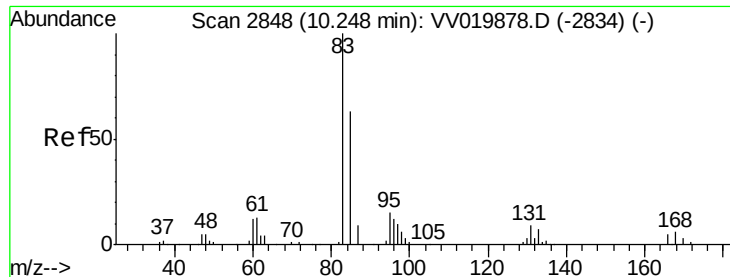
#55
Styrene
Concen: 0.197 ug/L
RT: 9.57 min Scan# 2638
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion:104 Resp: 10469
Ion Ratio Lower Upper
104 100
78 50.1 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.224 ug/L

RT: 10.25 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

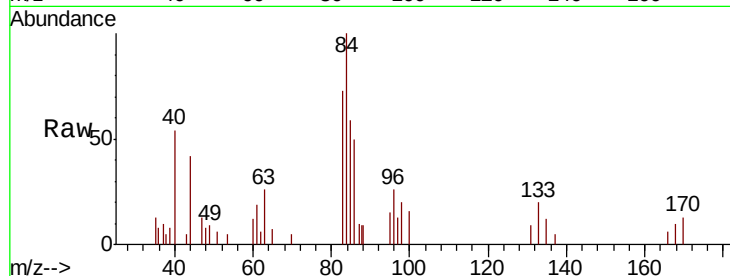
Tot Ion: 83 Resp: 3070

Ion Ratio Lower Upper

83 100

85 80.0 44.3 82.3

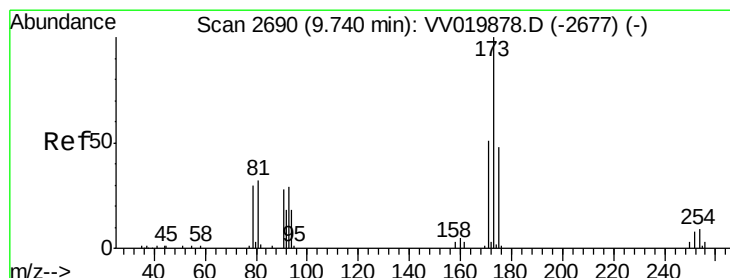
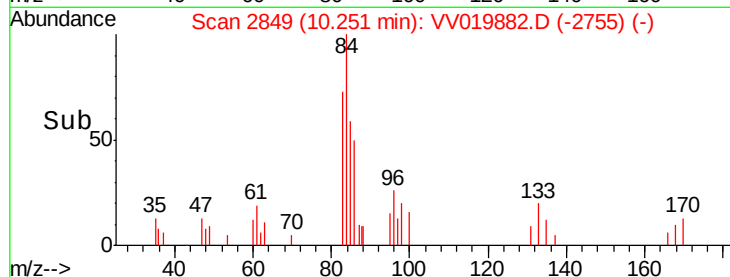
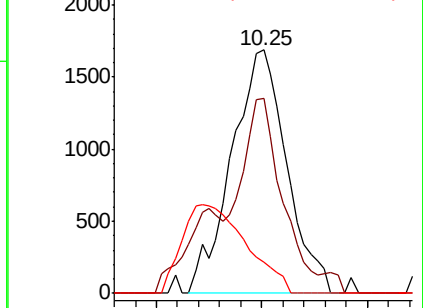
131 13.0 7.4 11.2#



Abundance Ion 82.95 (82.65 to 83.65): VV019878.D (-2834) (-)

Ion 85.00 (84.70 to 85.70): VV019878.D (-2834) (-)

Ion 130.95 (130.65 to 131.65): VV019878.D (-2834) (-)



#59

Bromoform

Concen: 0.200 ug/L

RT: 9.74 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

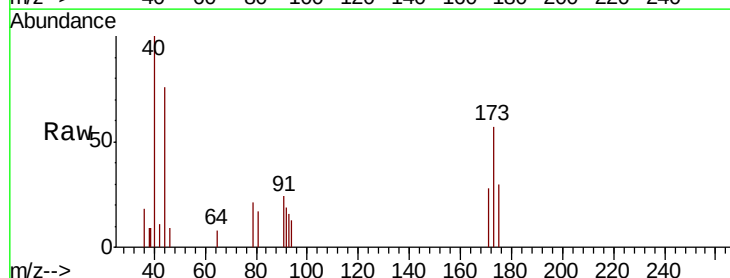
Tgt Ion: 173 Resp: 1198

Ion Ratio Lower Upper

173 100

175 43.4 38.3 57.5

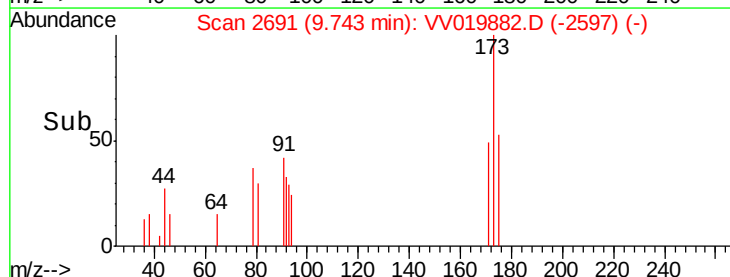
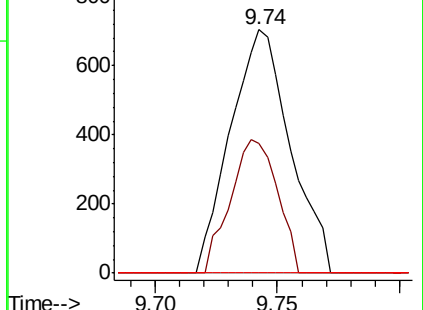
254 0.0 6.4 9.6#

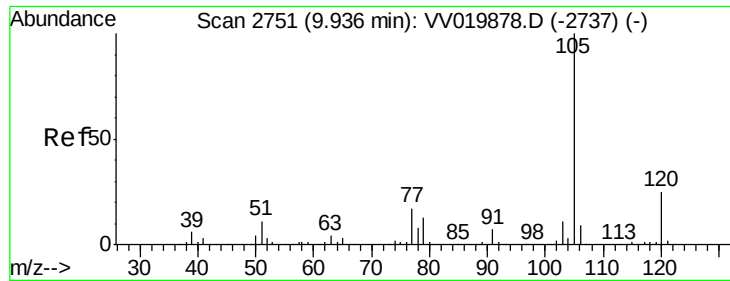


Abundance Ion 172.90 (172.60 to 173.60): VV019878.D (-2677) (-)

Ion 174.90 (174.60 to 175.60): VV019878.D (-2677) (-)

Ion 253.75 (253.45 to 254.45): VV019878.D (-2677) (-)





#60

Isopropylbenzene

Concen: 0.221 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

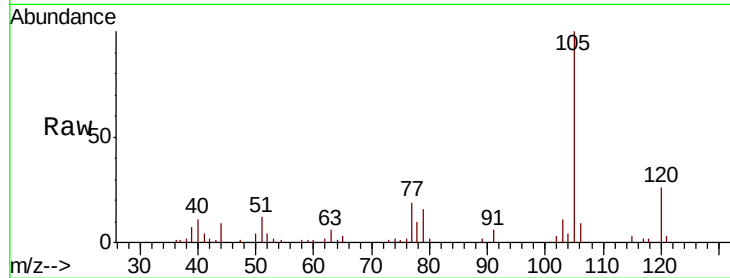
Tot Ion:105 Resp: 17767

Ion Ratio Lower Upper

105 100

120 25.1 20.4 30.6

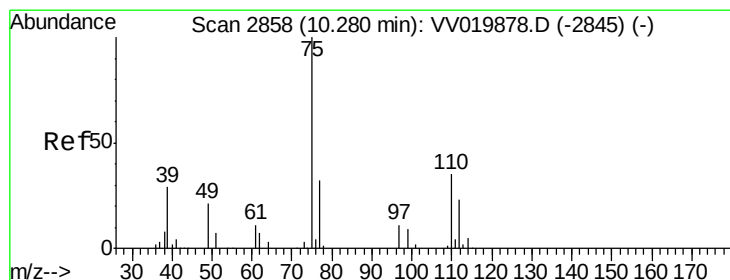
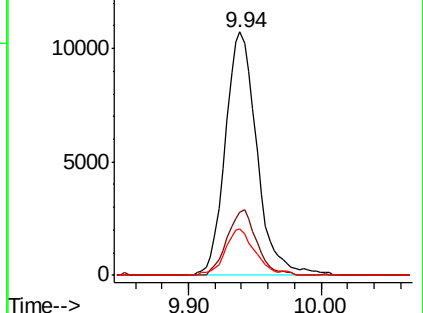
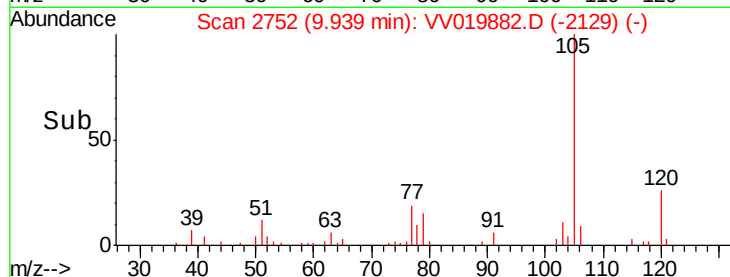
77 17.6 13.7 20.5



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: 0.275 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

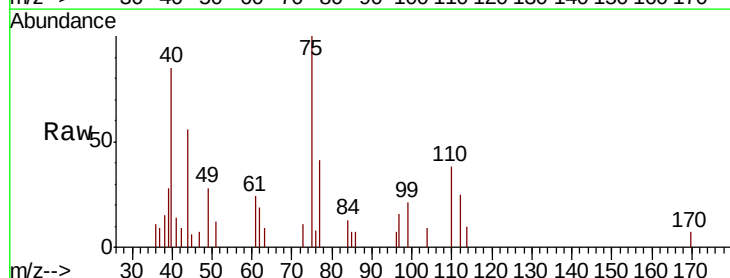
Tgt Ion: 75 Resp: 2941

Ion Ratio Lower Upper

75 100

77 37.8 25.6 38.4

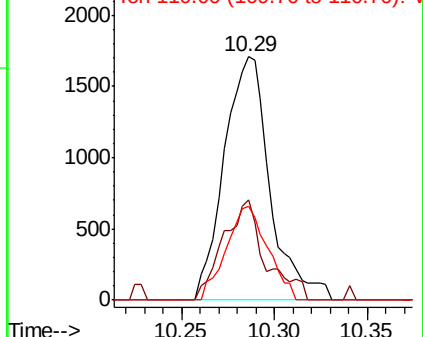
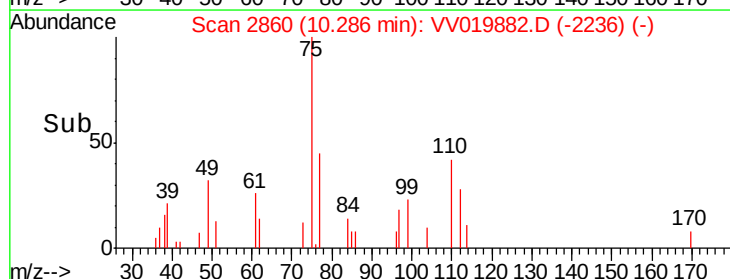
110 34.9 30.5 45.7

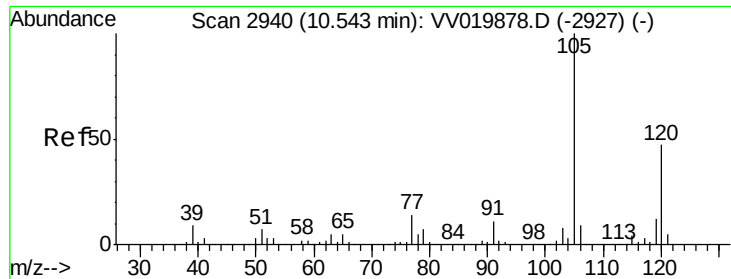


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

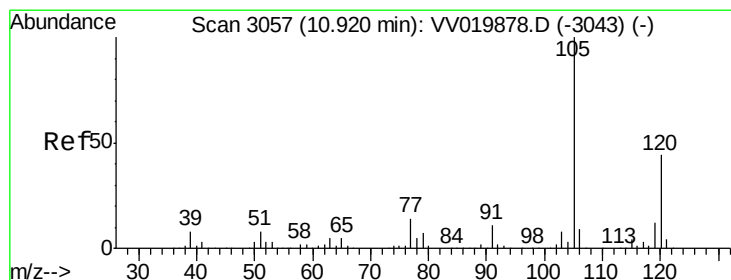
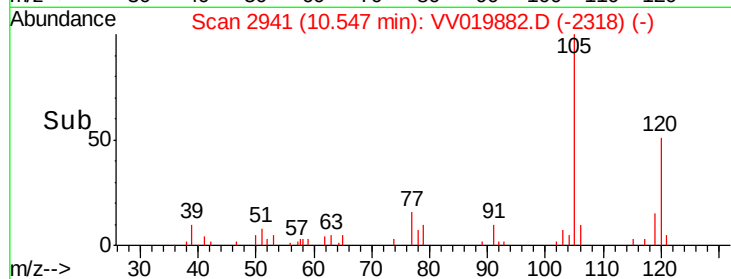
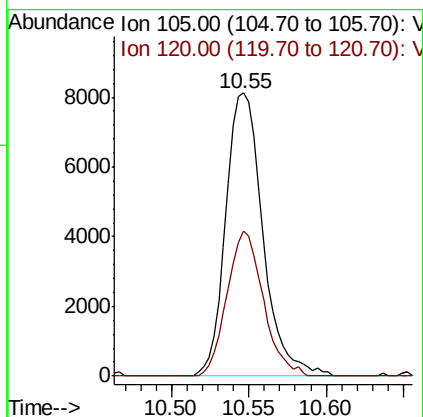
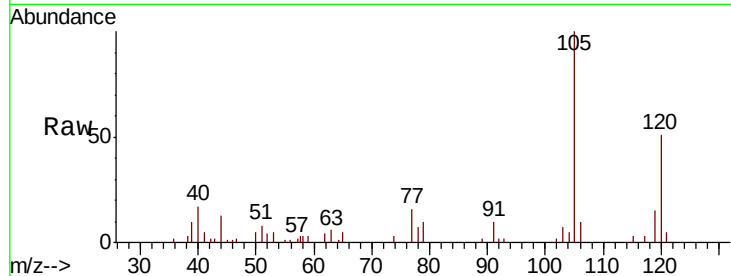




#62
 1,3,5-Trimethylbenzene
 Concen: 0.203 ug/L
 RT: 10.55 min Scan# 2941
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

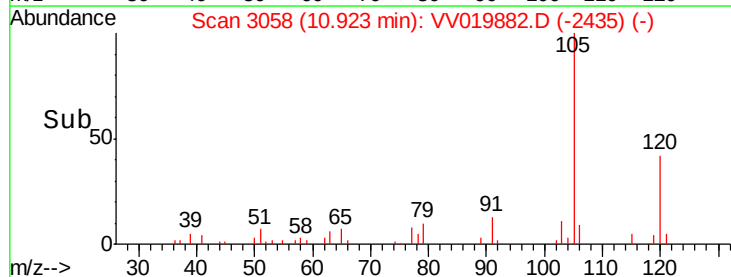
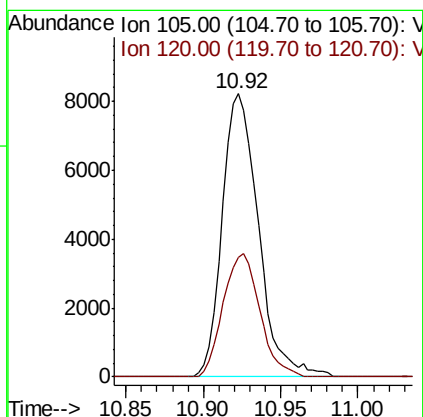
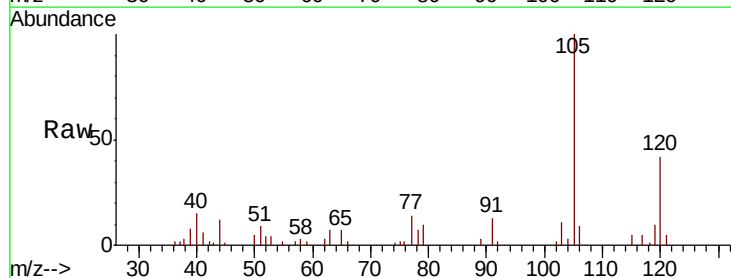
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

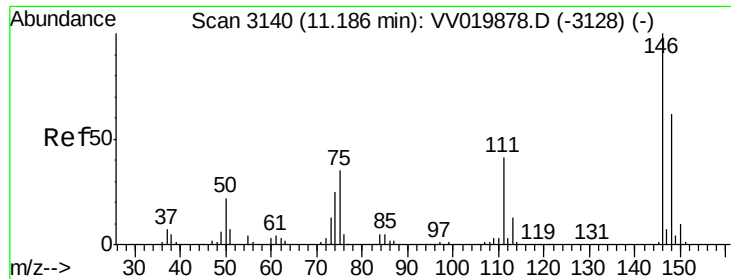
Tot Ion:105 Resp: 13523
 Ion Ratio Lower Upper
 105 100
 120 50.0 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 0.197 ug/L
 RT: 10.92 min Scan# 3058
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion:105 Resp: 13337
 Ion Ratio Lower Upper
 105 100
 120 44.1 34.9 52.3

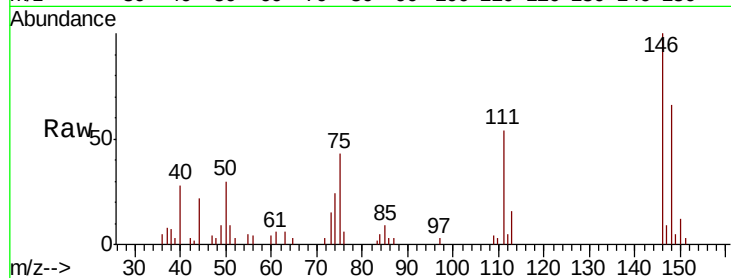




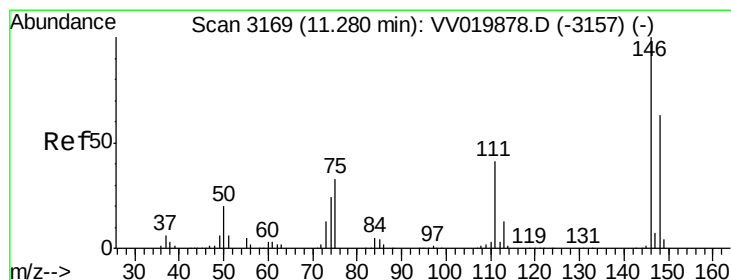
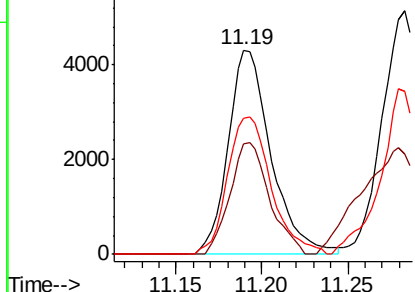
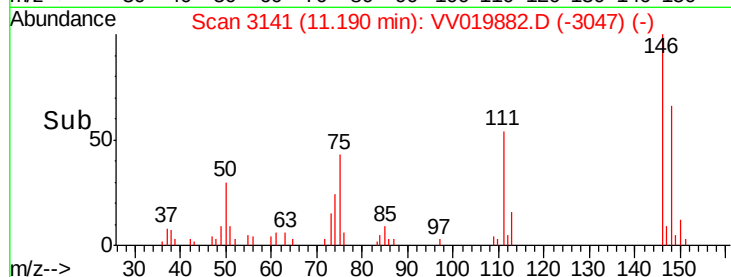
#64
 1,3-Dichlorobenzene
 Concen: 0.212 ug/L
 RT: 11.19 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion:146 Resp: 7471
 Ion Ratio Lower Upper
 146 100
 111 53.8 30.4 56.5
 148 66.4 45.8 85.2

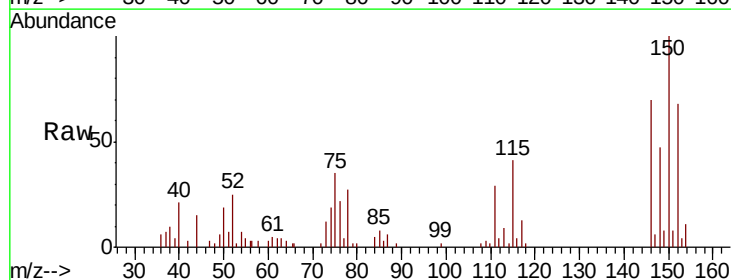


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

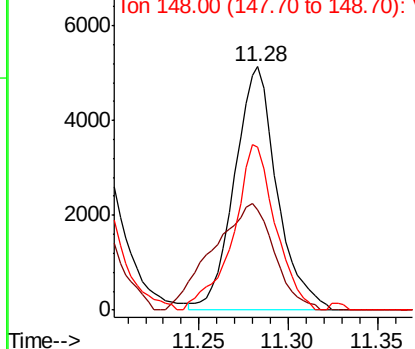
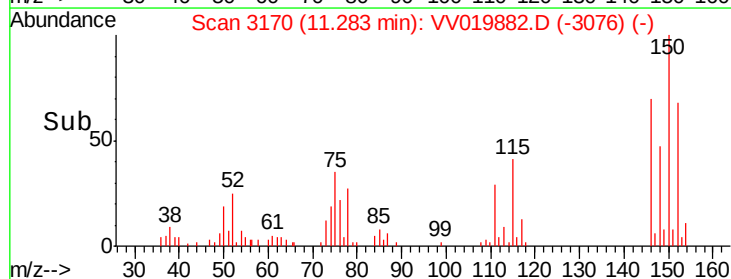


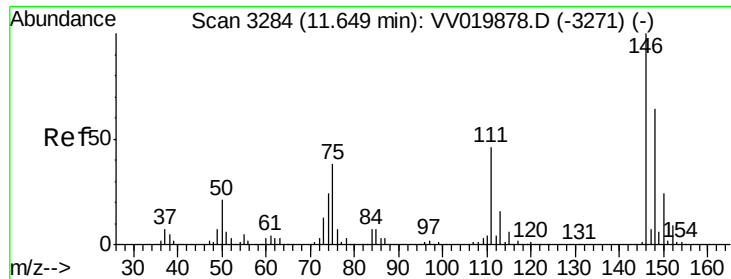
#65
 1,4-Dichlorobenzene
 Concen: 0.242 ug/L
 RT: 11.28 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion:146 Resp: 8560
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.7 55.1
 148 67.0 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

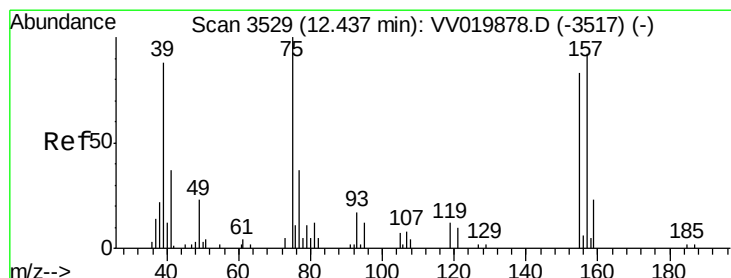
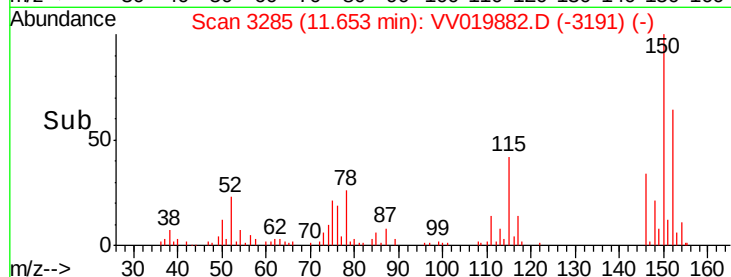
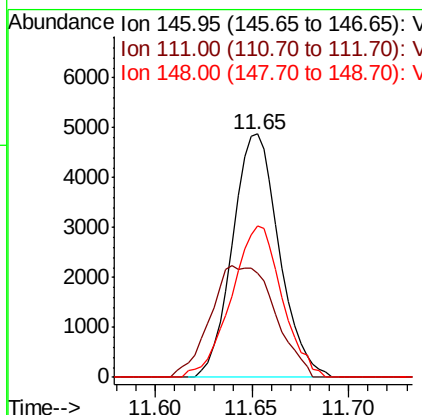
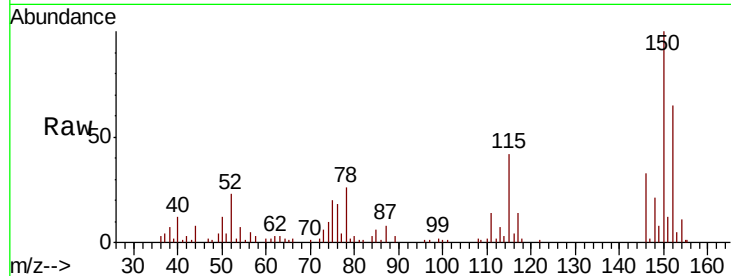




#67
 1,2-Dichlorobenzene
 Concen: 0.252 ug/L
 RT: 11.65 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

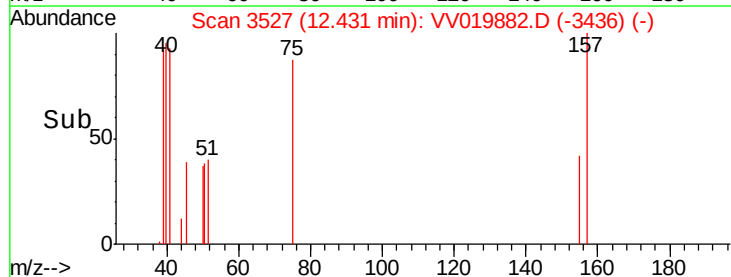
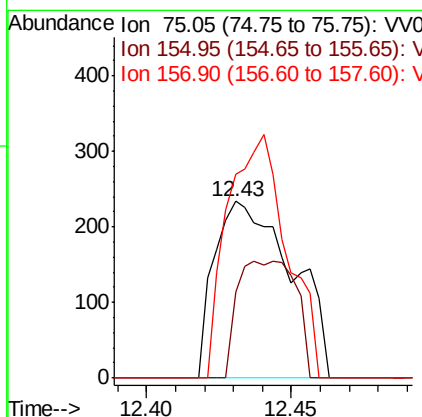
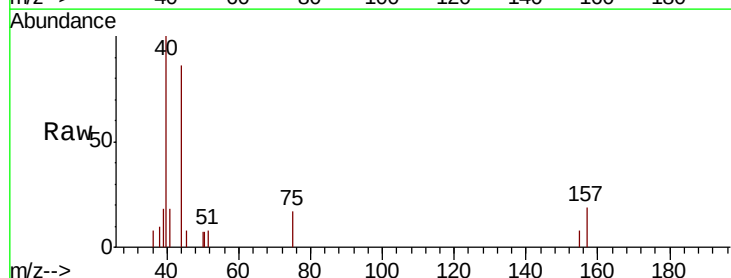
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

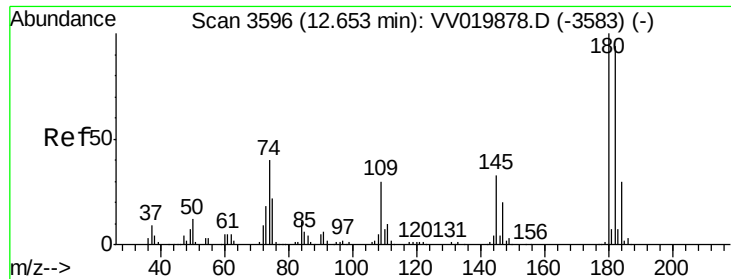
Tot Ion:146 Resp: 8170
 Ion Ratio Lower Upper
 146 100
 111 42.9 37.7 56.5
 148 62.4 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.197 ug/L
 RT: 12.43 min Scan# 3527
 Delta R.T. -0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion: 75 Resp: 435
 Ion Ratio Lower Upper
 75 100
 155 48.7 56.5 84.7#
 157 115.4 74.2 111.2#

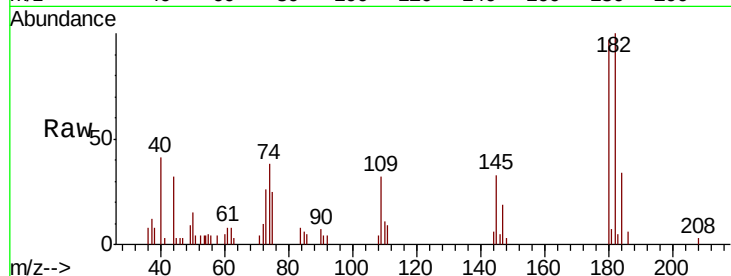




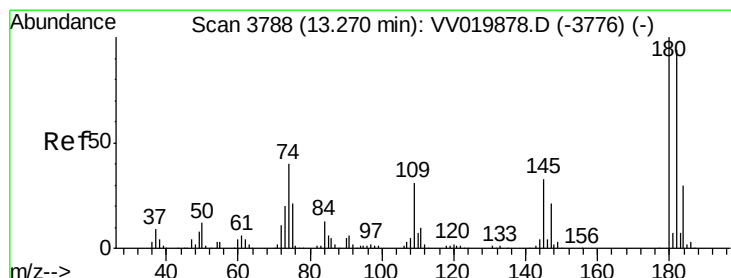
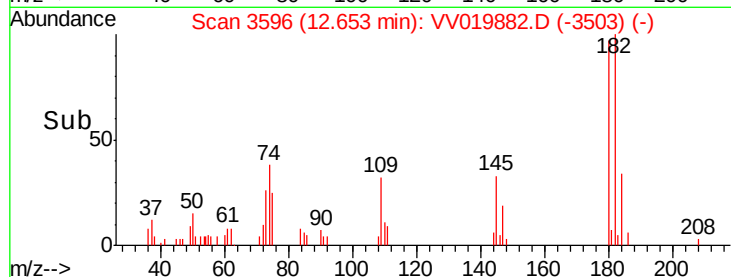
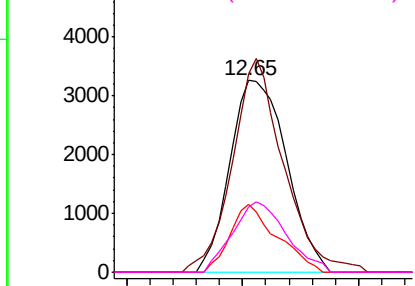
#69
 1,3,5-Trichlorobenzene
 Concen: 0.211 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion:180 Resp: 5533
 Ion Ratio Lower Upper
 180 100
 182 100.4 75.9 113.9
 184 29.3 23.5 35.3
 145 34.9 26.2 39.2

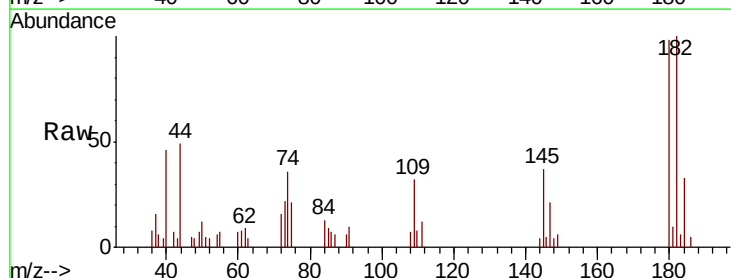


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

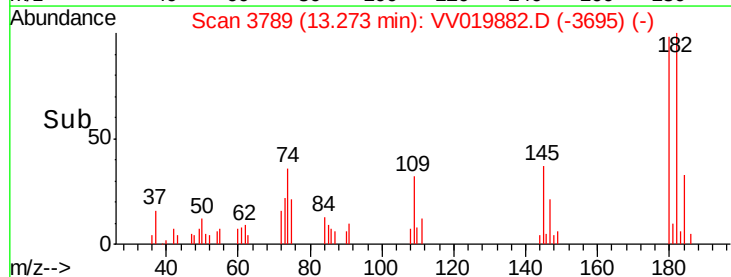
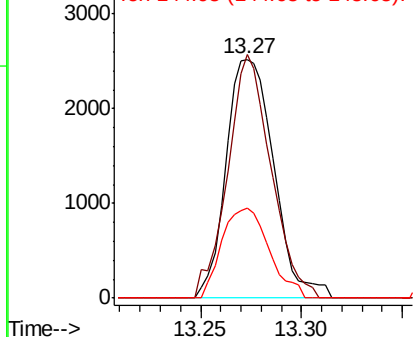


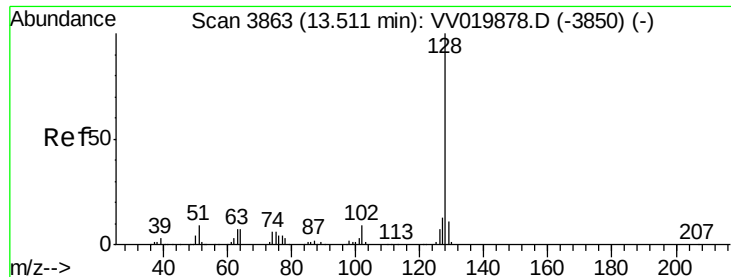
#70
 1,2,4-trichlorobenzene
 Concen: 0.196 ug/L
 RT: 13.27 min Scan# 3789
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion:180 Resp: 4168
 Ion Ratio Lower Upper
 180 100
 182 92.4 75.9 113.9
 145 37.2 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

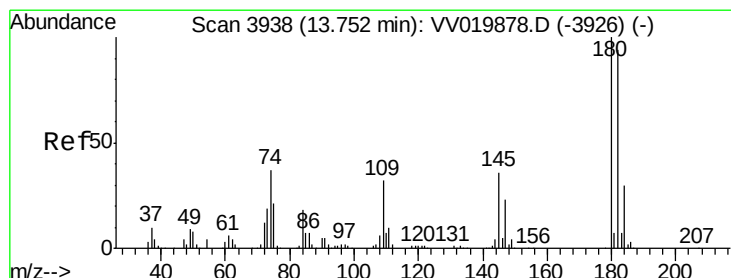
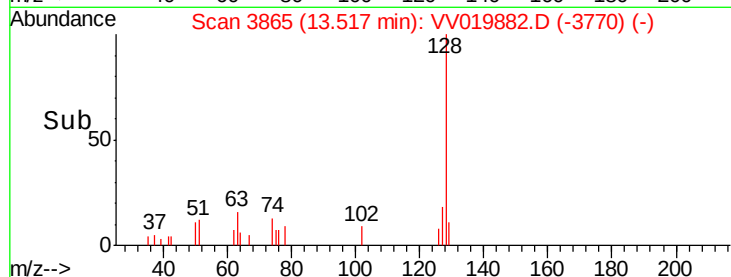
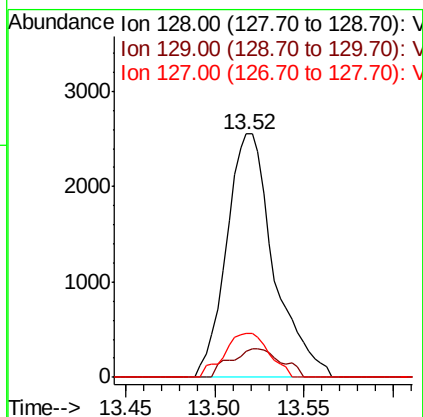
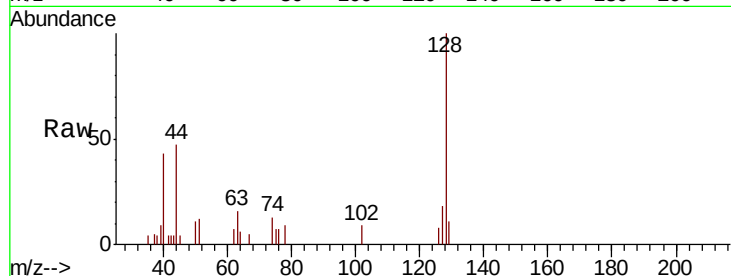




#71
Naphthalene
Concen: 0.146 ug/L
RT: 13.52 min Scan# 3865
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion:128 Resp: 4704
Ion Ratio Lower Upper
128 100
129 12.6 8.5 12.7
127 17.2 10.2 15.4#



#72
1,2,3-Trichlorobenzene
Concen: 0.194 ug/L
RT: 13.76 min Scan# 3939
Delta R.T. 0.00 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion:180 Resp: 3512
Ion Ratio Lower Upper
180 100
182 89.9 74.6 112.0
145 30.0 28.8 43.2

