

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019307.D
 Acq On : 09 Nov 2020 17:11
 Operator : SY/MD
 Sample : L4485-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-05

Quant Time: Nov 10 13:10:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 06:58:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	257451	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	254006	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	125047	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73595	37.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.08%
7) Chloroethane-d5	1.58	69	67640	43.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.90%
11) 1,1-Dichloroethene-d2	2.12	63	123499	33.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.14%
21) 2-Butanone-d5	3.92	46	125624	114.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.67%
24) Chloroform-d	4.38	84	166034	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.30%
26) 1,2-Dichloroethane-d4	5.06	65	117807	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.07	84	303472	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.54%
36) 1,2-Dichloropropane-d6	6.09	67	100603	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.08%
41) Toluene-d8	7.34	98	267694	40.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.94%
43) trans-1,3-Dichloropropene-	7.64	79	49950	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.26%
47) 2-Hexanone-d5	8.11	63	75949	93.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.42%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	126503	45.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.68%
66) 1,2-Dichlorobenzene-d4	11.65	152	117995	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2926	1.855 ug/L	98
3) Chloromethane	1.25	50	3784	2.304 ug/L	94
5) Vinyl chloride	1.32	62	4293	2.511 ug/L #	79
6) Bromomethane	1.53	94	2547	2.217 ug/L	89
8) Chloroethane	1.60	64	2765	2.473 ug/L	96
9) Trichlorofluoromethane	1.77	101	6415	2.267 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4422	3.288 ug/L #	82
12) 1,1-Dichloroethene	2.13	96	4157	2.991 ug/L #	1
13) Acetone	2.20	43	5190	6.229 ug/L	75
14) Carbon disulfide	2.31	76	8615	2.159 ug/L	98
15) Methyl Acetate	2.46	43	3789	2.347 ug/L #	74
16) Methylene chloride	2.52	84	4091	2.476 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	3122	2.071 ug/L	82
18) Methyl tert-butyl Ether	2.79	73	10244	1.933 ug/L	98
19) 1,1-Dichloroethane	3.22	63	6554	2.219 ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	3552	2.132 ug/L	99
22) 2-Butanone	4.02	43	4772m	4.512 ug/L	

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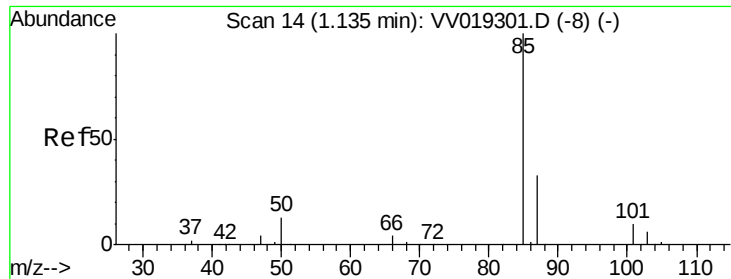
Instrument :
 MSVOA_V
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.29	128	1839m	2.005	ug/L	
25) Chloroform	4.40	83	8680	2.741	ug/L	94
27) 1,2-Dichloroethane	5.16	62	5704	2.119	ug/L	98
29) Cyclohexane	4.71	56	4619	2.125	ug/L #	91
30) 1,1,1-Trichloroethane	4.63	97	6137	2.083	ug/L #	92
31) Carbon tetrachloride	4.86	117	4911	1.931	ug/L	93
33) Benzene	5.13	78	14669	2.324	ug/L	100
34) Trichloroethene	5.95	95	3796	2.213	ug/L	96
35) Methylcyclohexane	6.15	83	4382	2.110	ug/L	93
37) 1,2-Dichloropropane	6.20	63	3354	1.991	ug/L #	88
38) Bromodichloromethane	6.54	83	4969	2.049	ug/L #	98
39) cis-1,3-Dichloropropene	7.05	75	5365m	1.990	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	8972	3.964	ug/L	98
42) Toluene	7.41	91	15400	2.257	ug/L	94
44) trans-1,3-Dichloropropene	7.68	75	5630	2.038	ug/L #	80
45) 1,1,2-Trichloroethane	7.86	97	3294	1.978	ug/L	93
46) Tetrachloroethene	8.00	164	3023	2.160	ug/L	98
48) 2-Hexanone	8.16	43	12965m	7.577	ug/L	
49) Dibromochloromethane	8.27	129	3940	1.984	ug/L	100
50) 1,2-Dibromoethane	8.38	107	3507	2.032	ug/L #	84
51) Chlorobenzene	8.90	112	9910	2.171	ug/L	95
52) Ethylbenzene	9.04	91	14350	1.906	ug/L	97
53) m,p-Xylene	9.16	106	5081	1.803	ug/L	93
54) o-Xylene	9.57	106	5060	1.821	ug/L	98
55) Styrene	9.59	104	7424	1.501	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	5785	2.296	ug/L	98
59) Bromoform	9.75	173	2756	1.986	ug/L #	94
60) Isopropylbenzene	9.95	105	12653	1.931	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	4607	2.371	ug/L	92
62) 1,3,5-Trimethylbenzene	10.56	105	9691	1.775	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	9278	1.737	ug/L	97
64) 1,3-Dichlorobenzene	11.21	146	7058	2.059	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	8077	2.277	ug/L	91
67) 1,2-Dichlorobenzene	11.67	146	8231	2.347	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	1129	1.992	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.67	180	4836	1.965	ug/L	93
70) 1,2,4-trichlorobenzene	13.29	180	3951	1.707	ug/L	96
71) Naphthalene	13.53	128	9205	1.410	ug/L	97
72) 1,2,3-Trichlorobenzene	13.77	180	4138	1.803	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.855 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

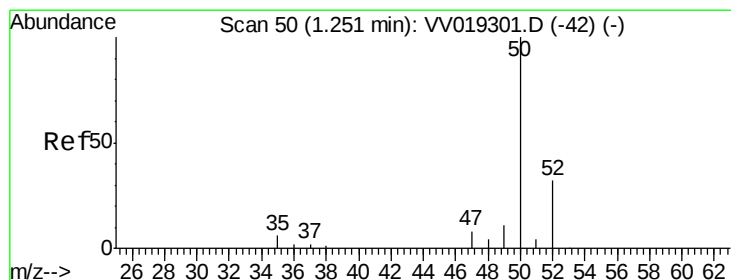
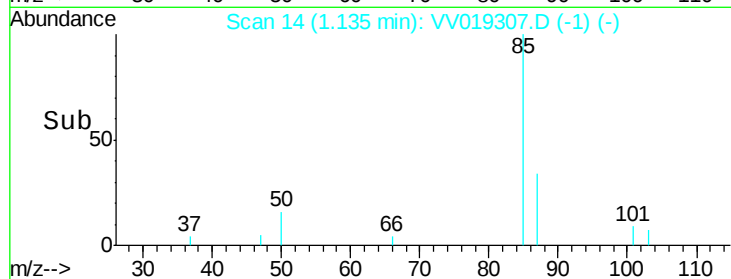
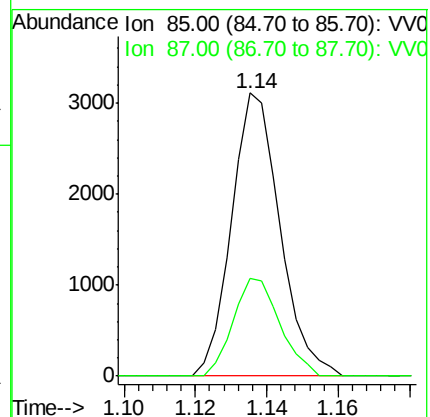
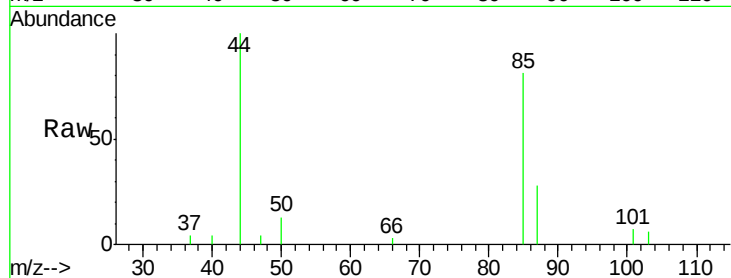
MDL-WATER-05

Tot Ion: 85 Resp: 2926

Ion Ratio Lower Upper

85 100

87 33.3 25.9 38.9



#3

Chloromethane

Concen: 2.304 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019307.D

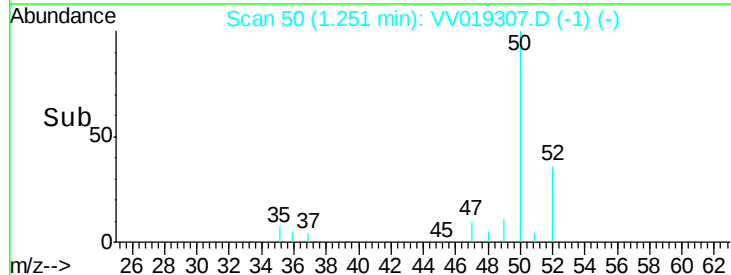
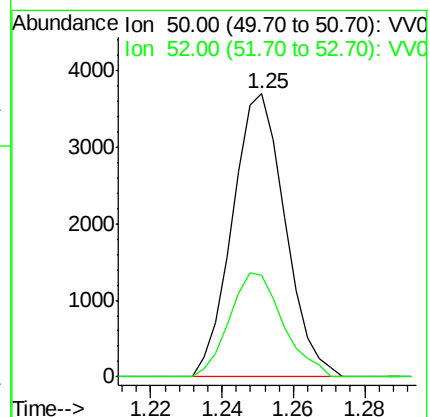
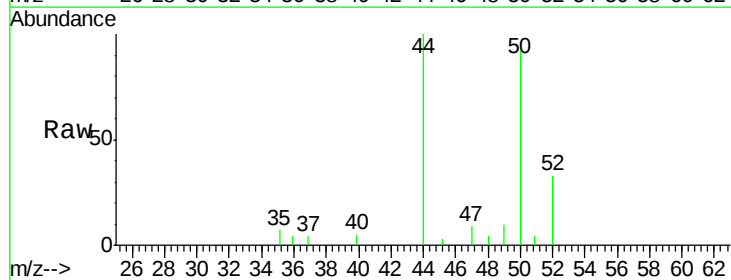
Acq: 09 Nov 2020 17:11

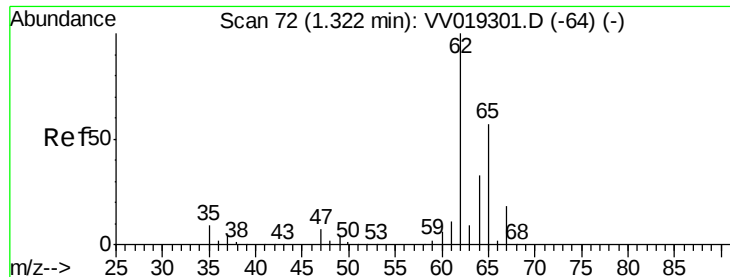
Tgt Ion: 50 Resp: 3784

Ion Ratio Lower Upper

50 100

52 35.9 23.0 42.6





#5

Vinyl chloride

Concen: 2.511 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

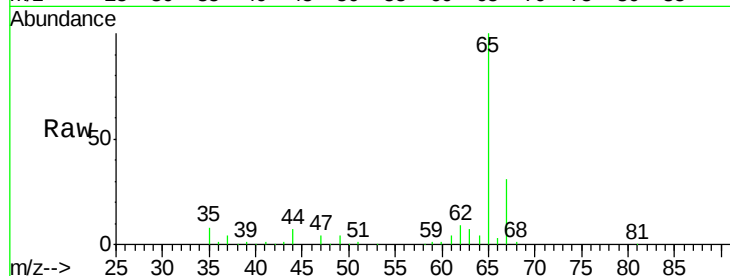
MDL-WATER-05

Tot Ion: 62 Resp: 4293

Ion Ratio Lower Upper

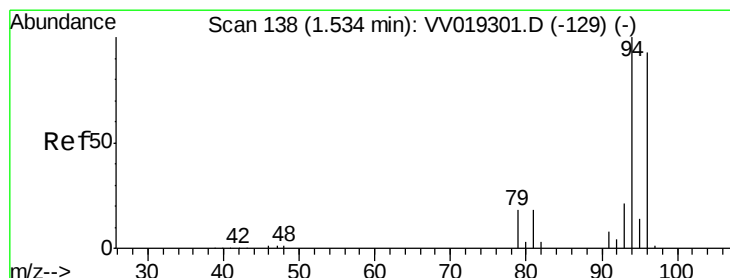
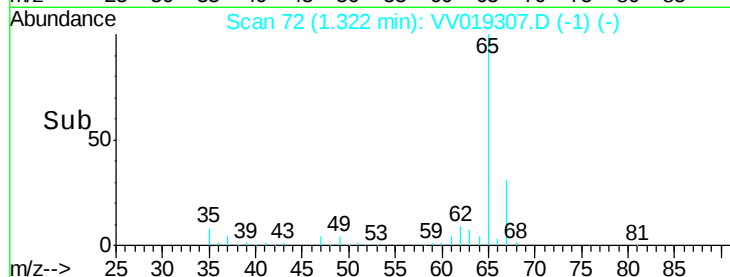
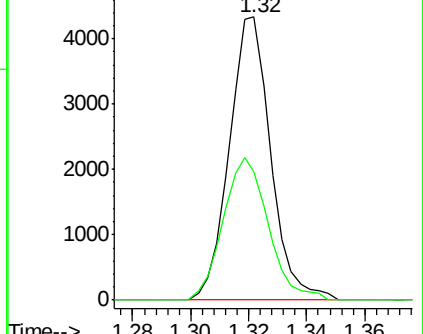
62 100

64 45.3 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.217 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019307.D

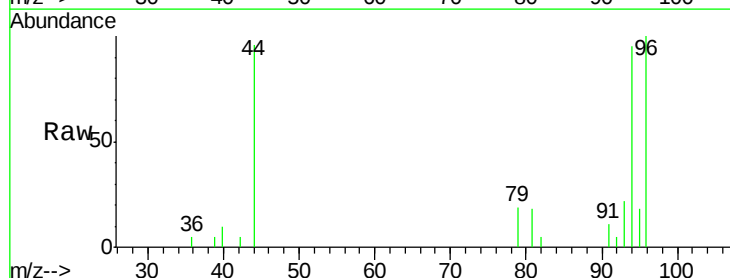
Acq: 09 Nov 2020 17:11

Tgt Ion: 94 Resp: 2547

Ion Ratio Lower Upper

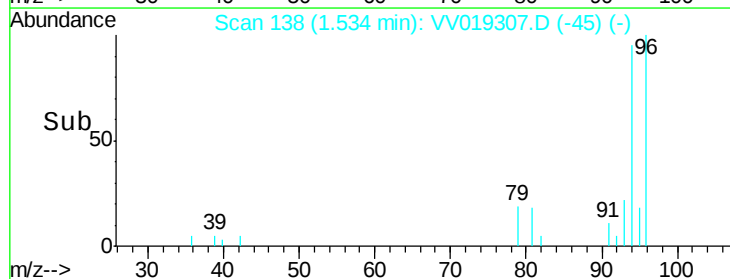
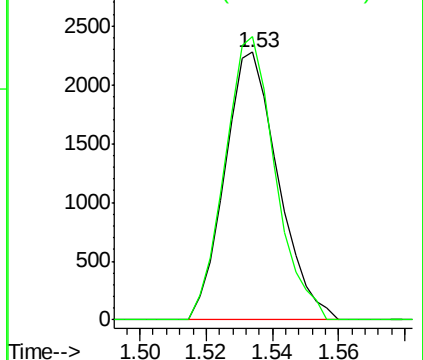
94 100

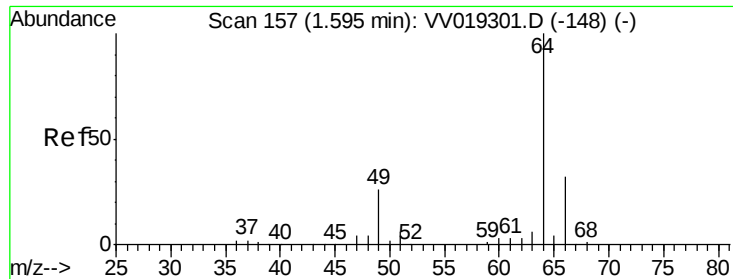
96 105.7 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

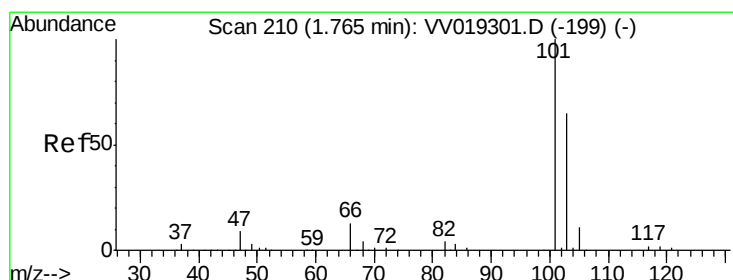
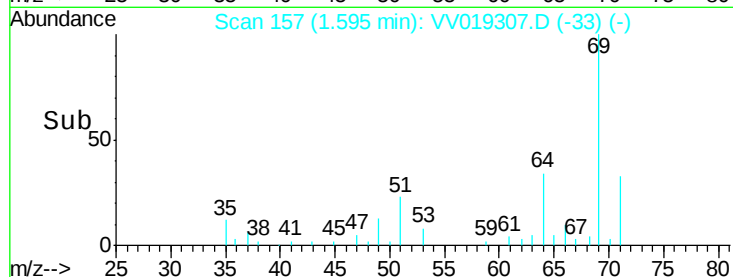
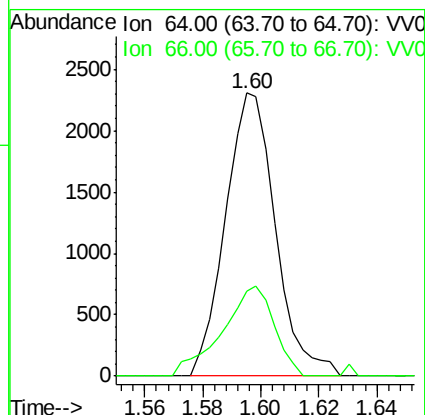
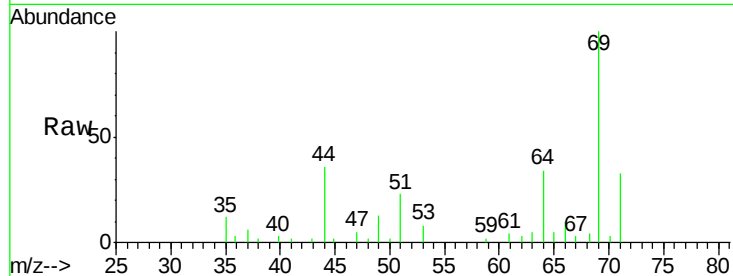




#8
Chloroethane
Concen: 2.473 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

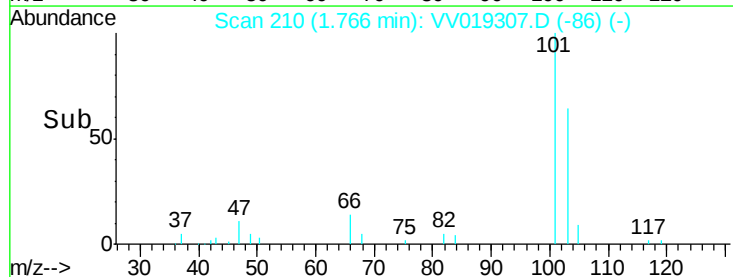
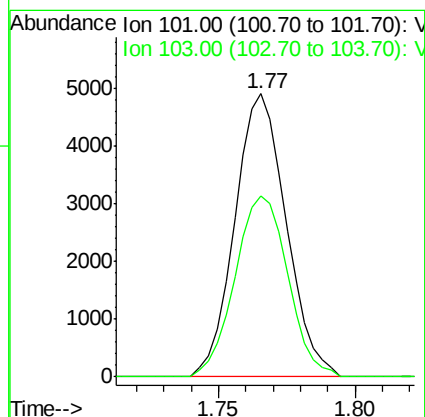
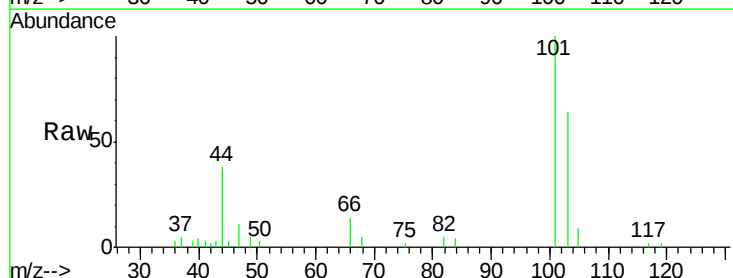
Instrument :
MSVOA_V
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MDL-WATER-05

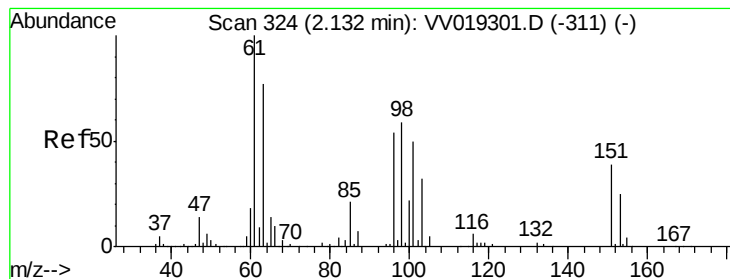
Tot Ion: 64 Resp: 2765
Ion Ratio Lower Upper
64 100
66 29.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.267 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

Tgt Ion: 101 Resp: 6415
Ion Ratio Lower Upper
101 100
103 65.8 52.3 78.5





#10

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

Concen: 3.288 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

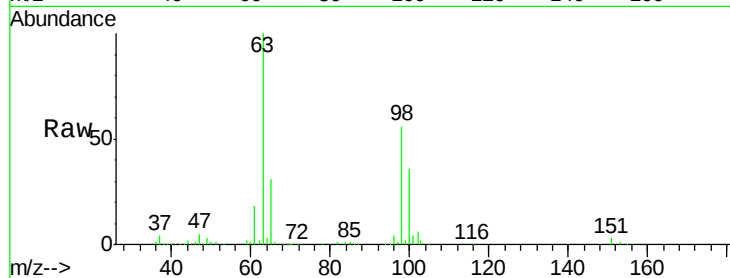
Tot Ion:101 Resp: 4422

Ion Ratio Lower Upper

101 100

85 35.4 35.6 53.4#

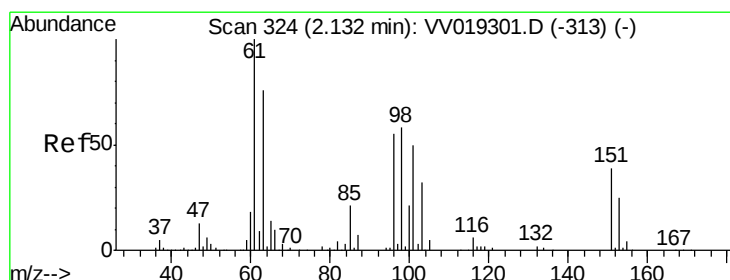
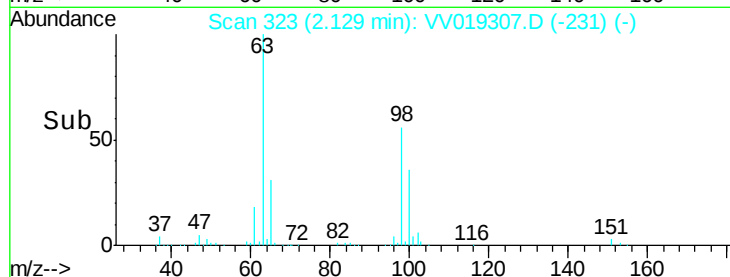
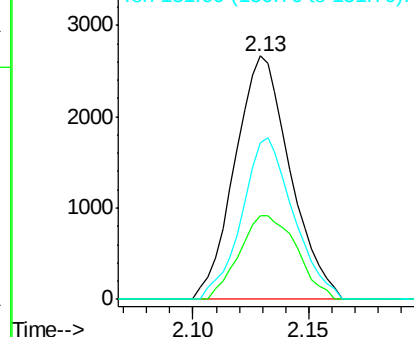
151 62.0 64.1 96.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.991 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

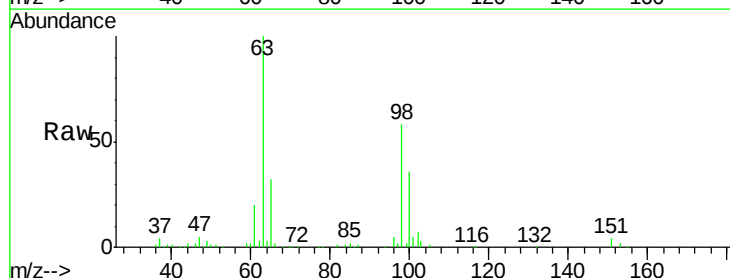
Tgt Ion: 96 Resp: 4157

Ion Ratio Lower Upper

96 100

61 397.3 133.6 248.0#

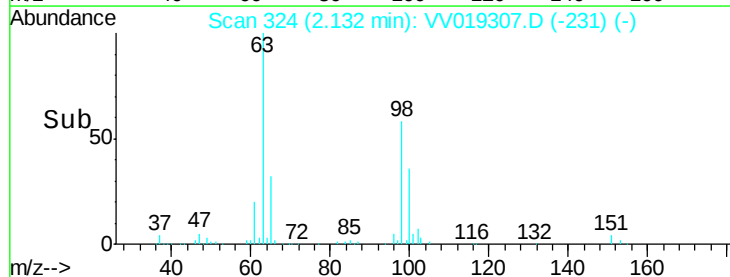
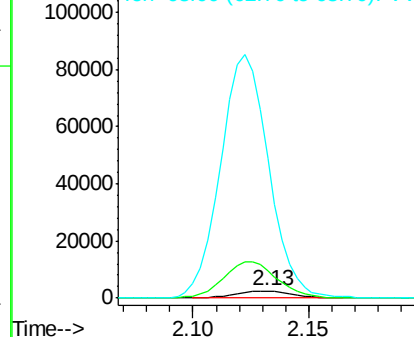
63 2006.6 103.0 191.2#

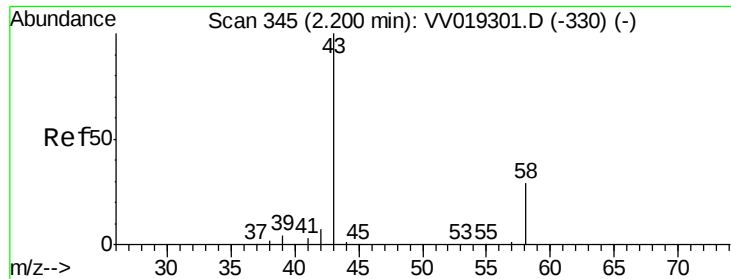


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.229 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

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ClientSampleId :

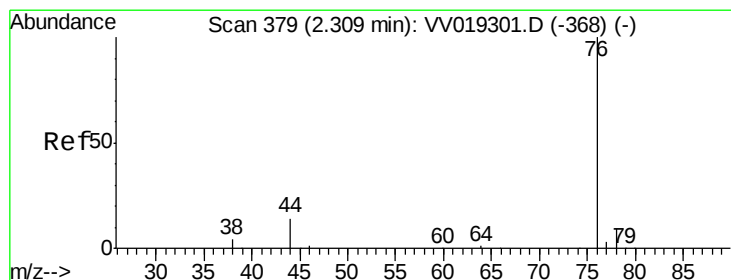
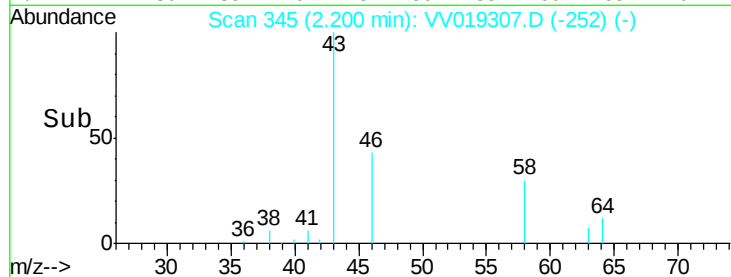
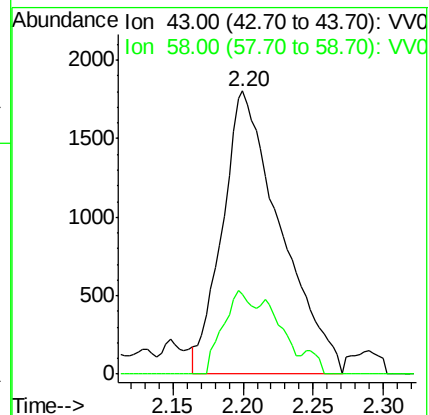
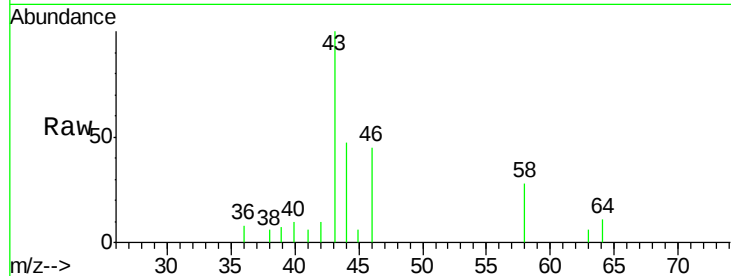
MDL-WATER-05

Tot Ion: 43 Resp: 5190

Ion Ratio Lower Upper

43 100

58 15.5 0.0 57.8



#14

Carbon disulfide

Concen: 2.159 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019307.D

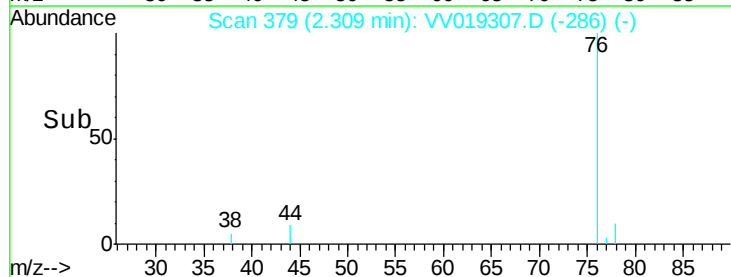
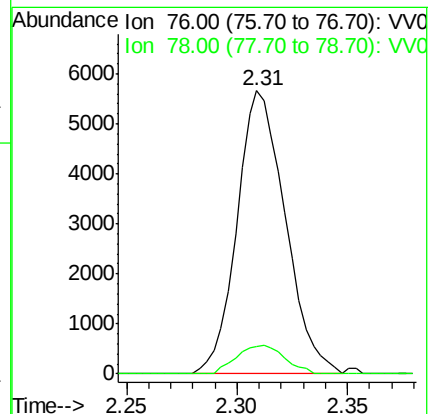
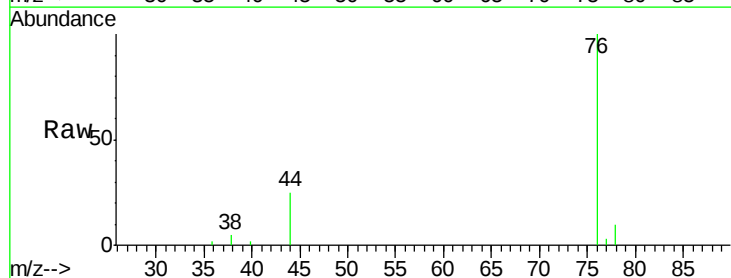
Acq: 09 Nov 2020 17:11

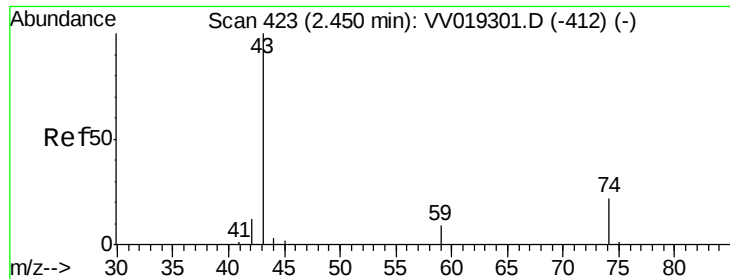
Tgt Ion: 76 Resp: 8615

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0

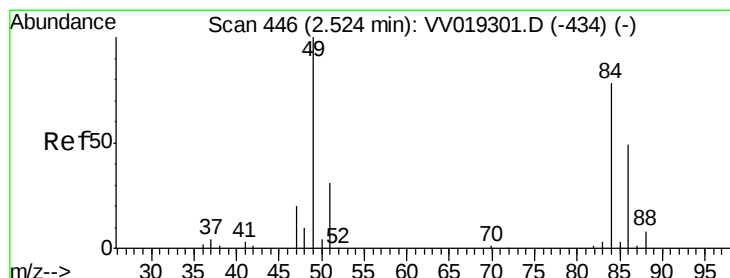
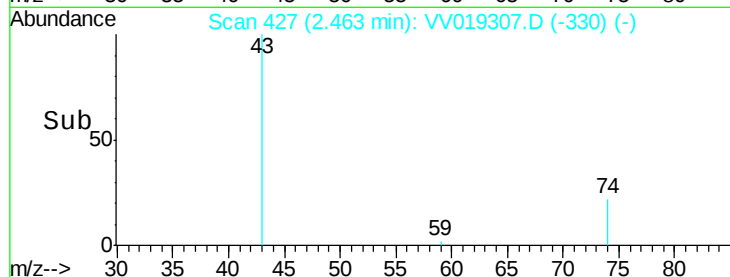
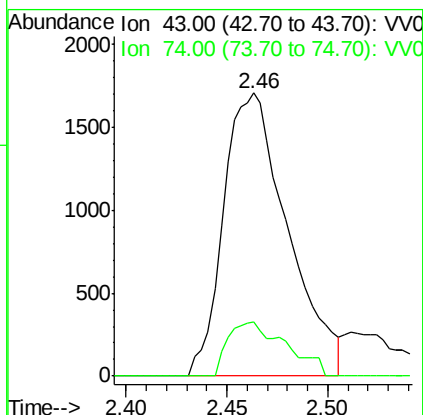
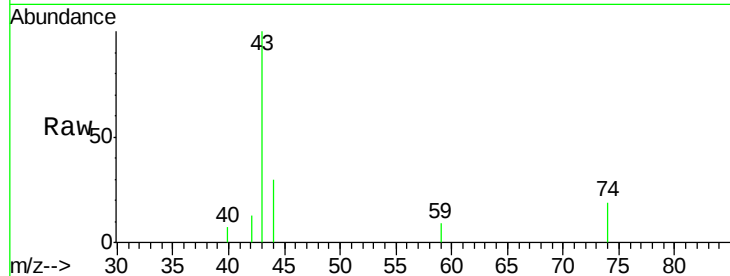




#15
Methvl Acetate
Concen: 2.347 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

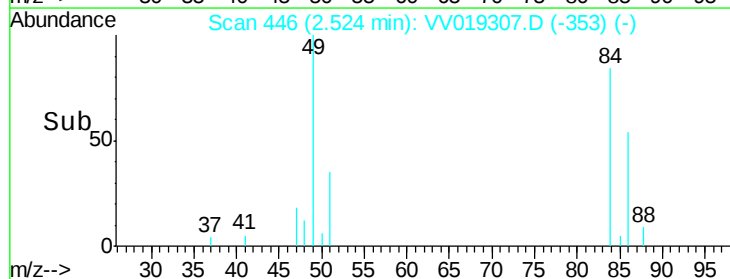
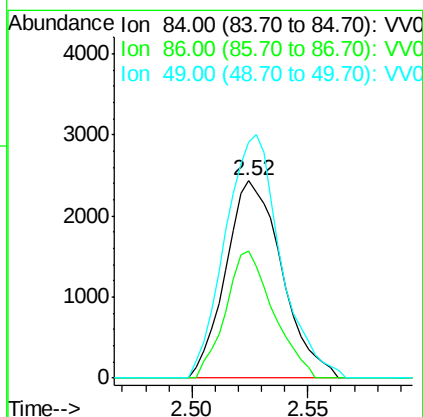
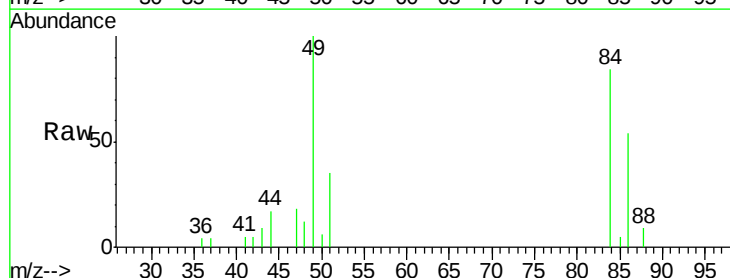
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

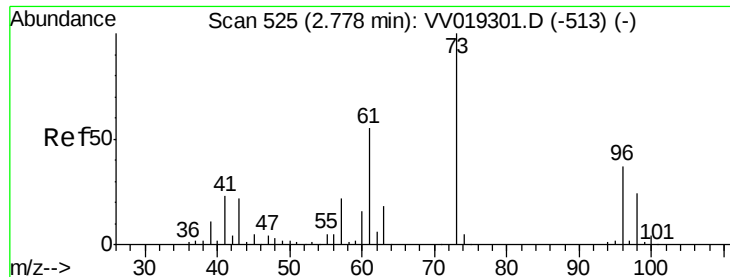
Tot Ion: 43 Resp: 3789
Ion Ratio Lower Upper
43 100
74 10.8 18.8 28.2#



#16
Methylene chloride
Concen: 2.476 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

Tgt Ion: 84 Resp: 4091
Ion Ratio Lower Upper
84 100
86 64.3 45.6 84.8
49 119.6 89.3 165.9

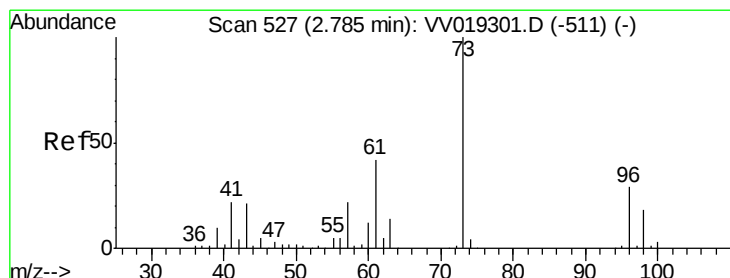
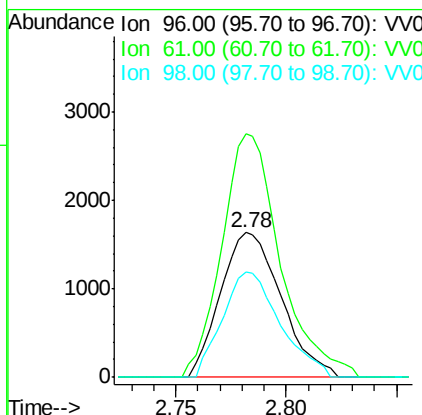
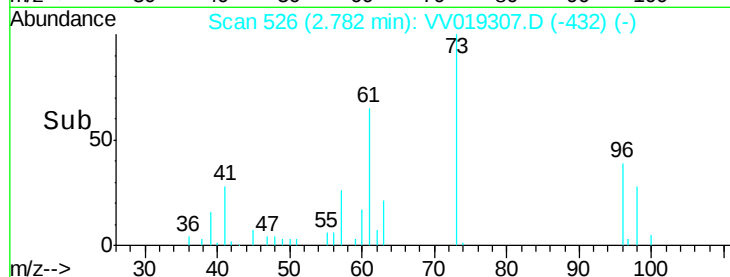
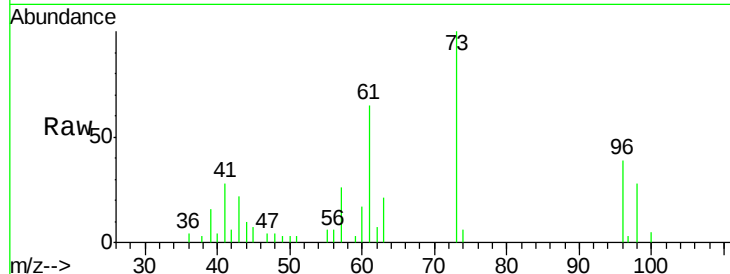




#17
trans-1,2-Dichloroethene
Concen: 2.071 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

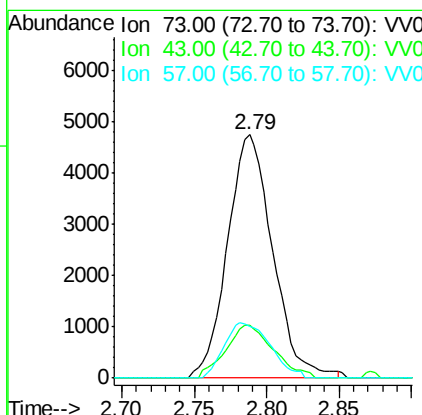
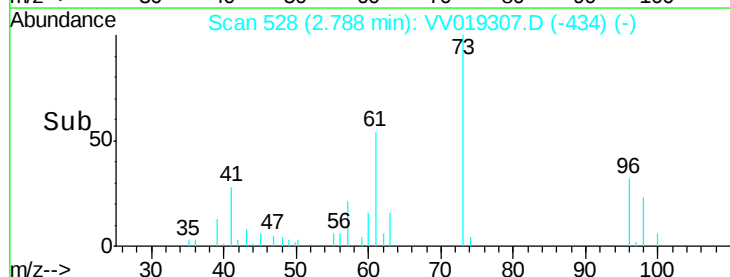
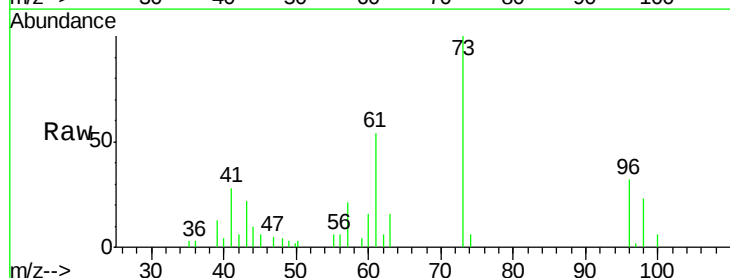
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

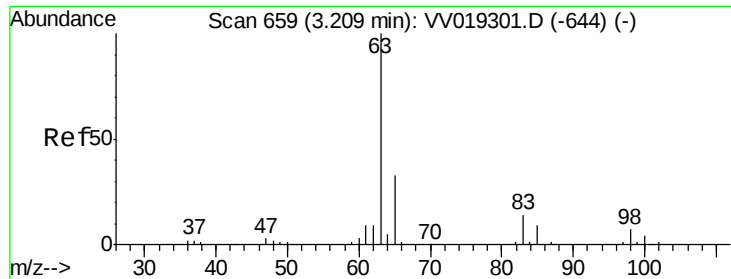
Tot Ion: 96 Resp: 3122
Ion Ratio Lower Upper
96 100
61 168.6 100.7 187.1
98 72.8 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 1.933 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

Tgt Ion: 73 Resp: 10244
Ion Ratio Lower Upper
73 100
43 22.9 17.9 26.9
57 22.9 17.1 25.7

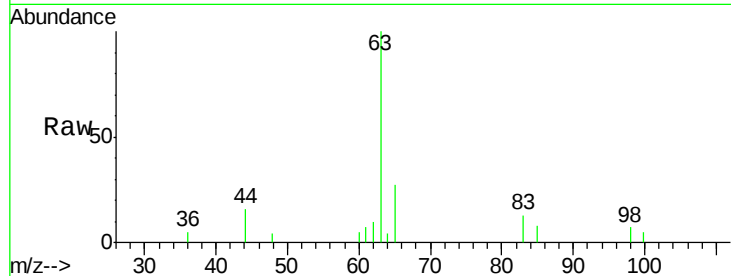




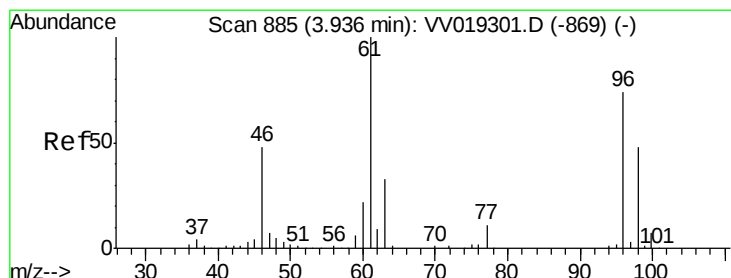
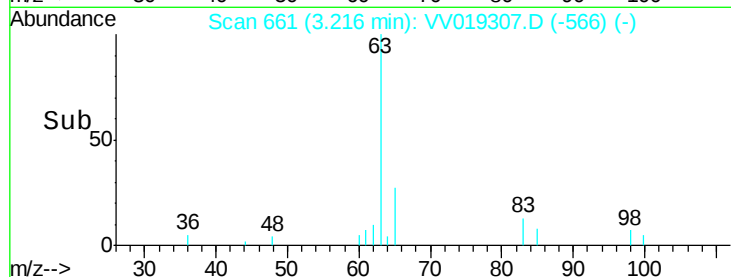
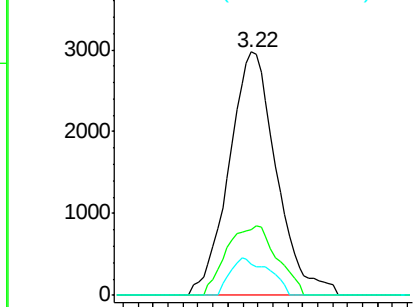
#19
 1,1-Dichloroethane
 Concen: 2.219 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion: 63 Resp: 6554
 Ion Ratio Lower Upper
 63 100
 65 27.2 21.8 40.6
 83 12.8 9.5 17.7

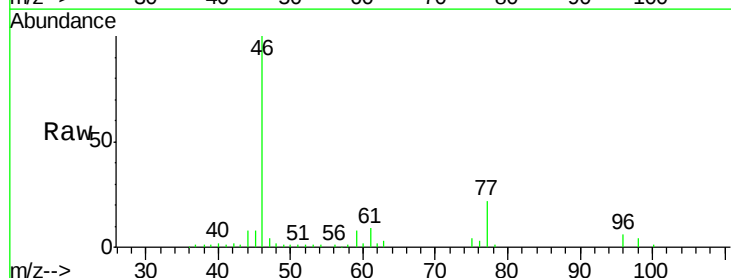


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

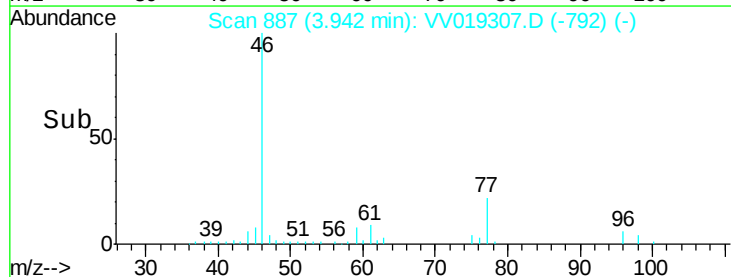
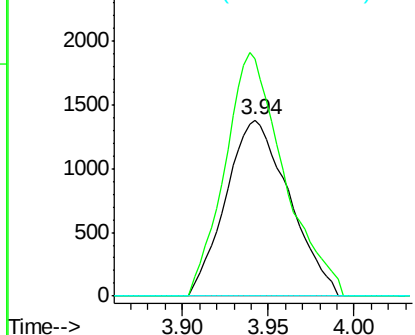


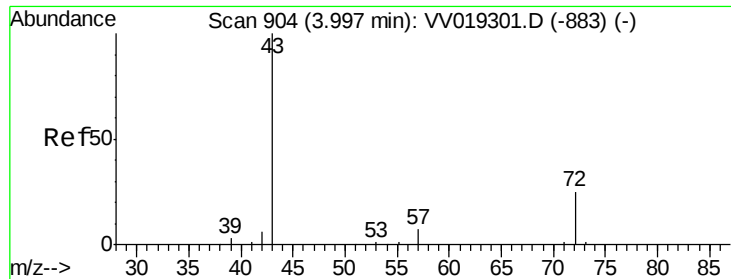
#20
 cis-1,2-Dichloroethene
 Concen: 2.132 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

Tgt Ion: 96 Resp: 3552
 Ion Ratio Lower Upper
 96 100
 61 134.9 95.6 177.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 4.512 ug/L m

RT: 4.02 min Scan# 911

Delta R.T. 0.02 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleID :

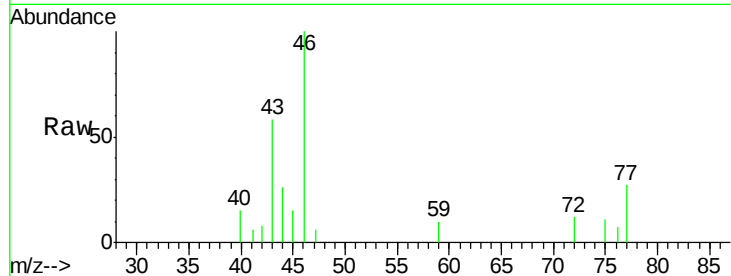
MDL-WATER-05

Tot Ion: 43 Resp: 4772

Ion Ratio Lower Upper

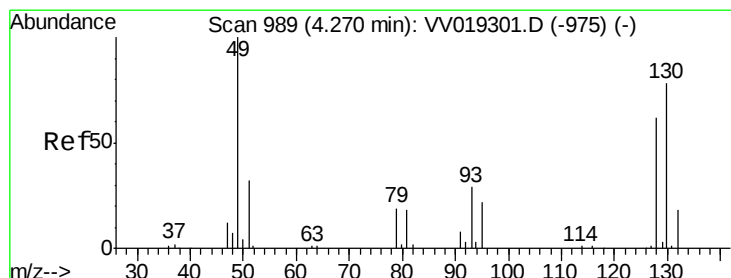
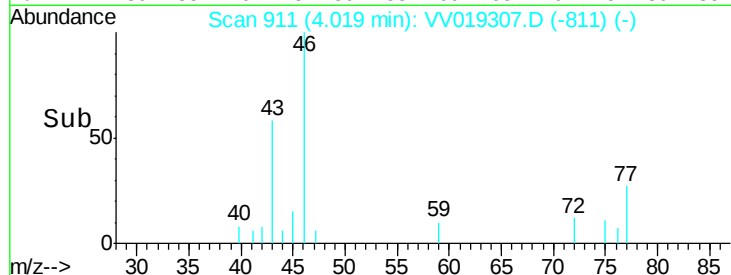
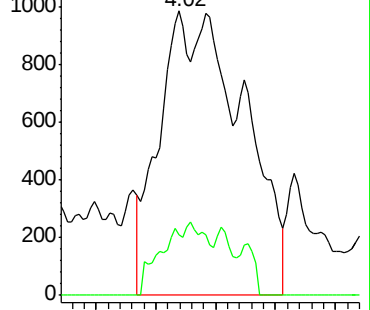
43 100

72 4.0 12.7 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VV019307.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV019307.D (-883) (-)



#23

Bromochloromethane

Concen: 2.005 ug/L m

RT: 4.29 min Scan# 994

Delta R.T. 0.02 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Tgt Ion: 128 Resp: 1839

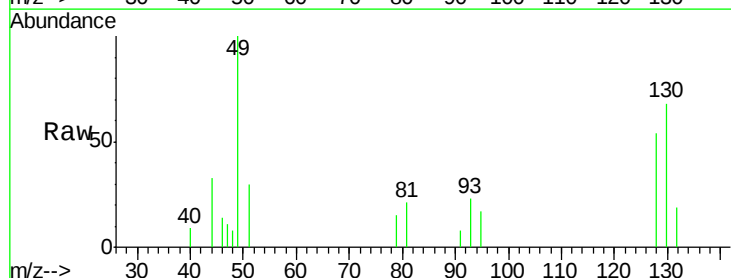
Ion Ratio Lower Upper

128 100

49 186.1 108.8 202.2

130 126.3 88.5 164.3

51 55.8 37.8 56.6

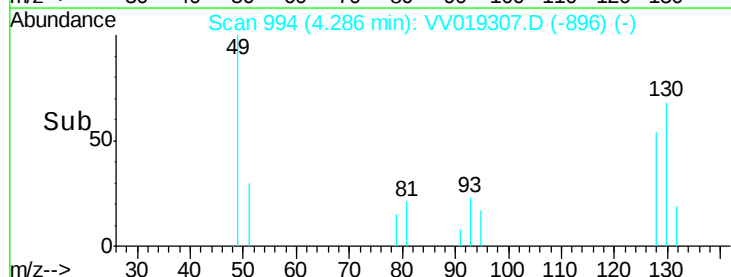
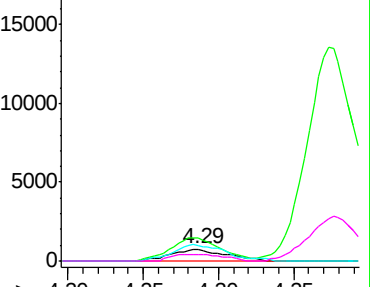


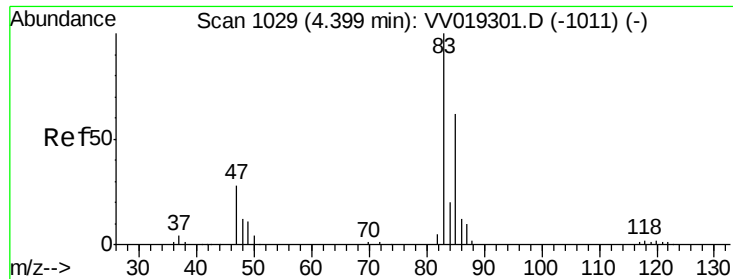
Abundance Ion 128.00 (127.70 to 128.70): VV019307.D (-883) (-)

Ion 49.00 (48.70 to 49.70): VV019307.D (-883) (-)

Ion 130.00 (129.70 to 130.70): VV019307.D (-883) (-)

Ion 51.00 (50.70 to 51.70): VV019307.D (-883) (-)

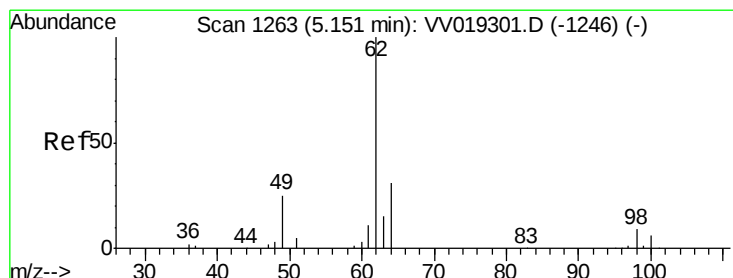
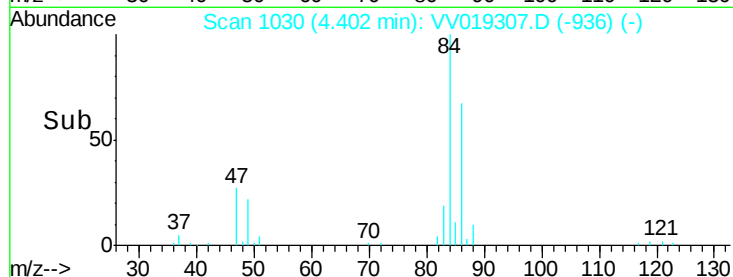
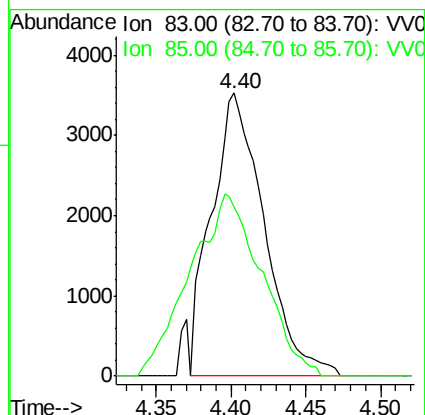
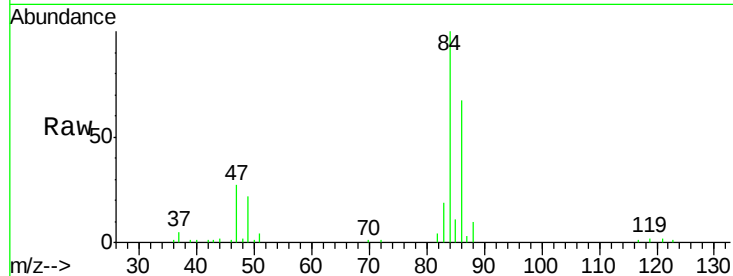




#25
Chloroform
Concen: 2.741 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

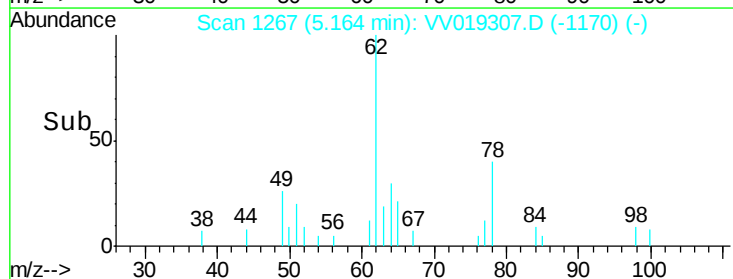
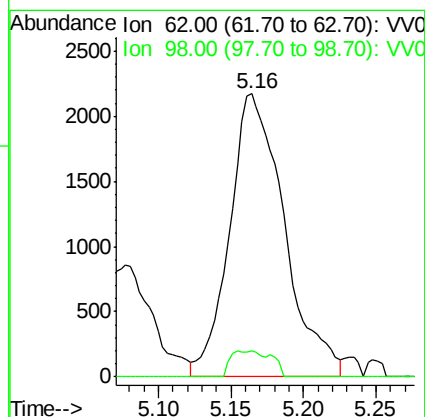
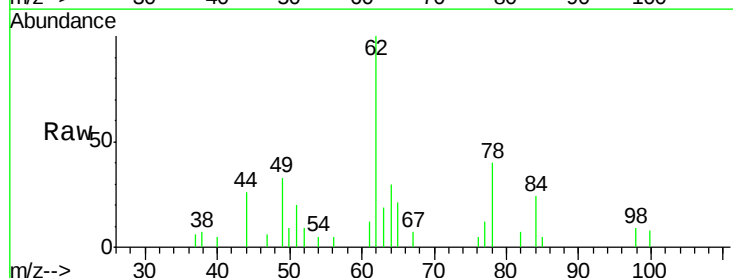
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

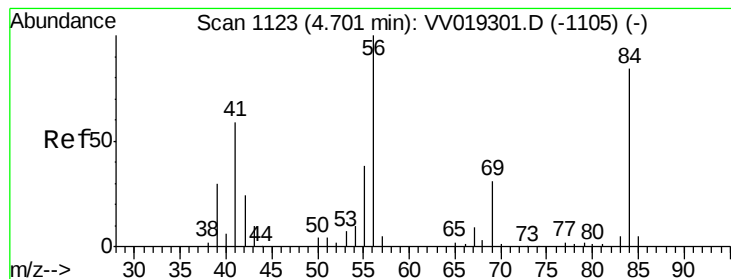
Tot Ion: 83 Resp: 8680
Ion Ratio Lower Upper
83 100
85 60.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 2.119 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

Tgt Ion: 62 Resp: 5704
Ion Ratio Lower Upper
62 100
98 9.3 6.8 10.2





#29

Cyclohexane

Concen: 2.125 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

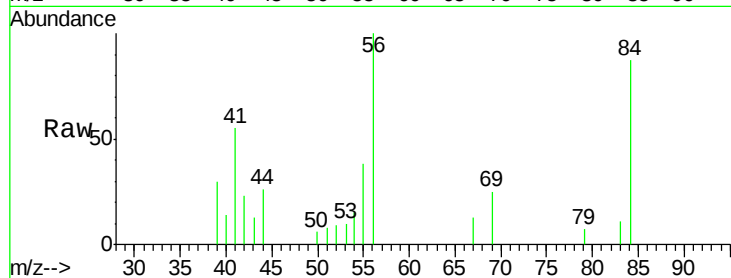
Tot Ion: 56 Resp: 4619

Ion Ratio Lower Upper

56 100

69 16.0 24.6 36.8#

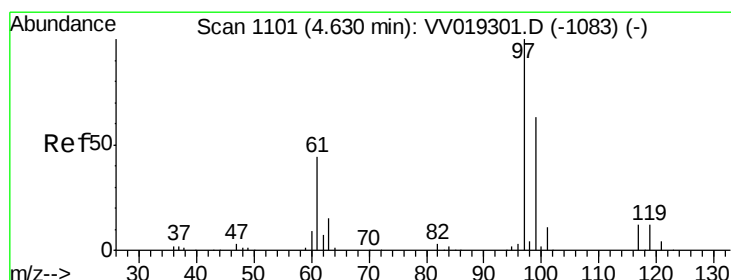
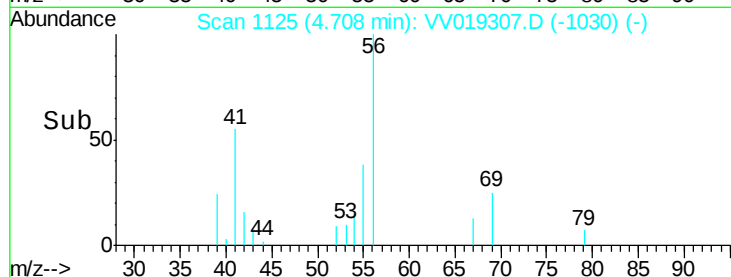
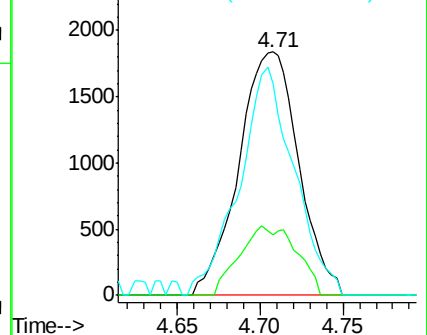
84 85.9 70.5 105.7



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 2.083 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

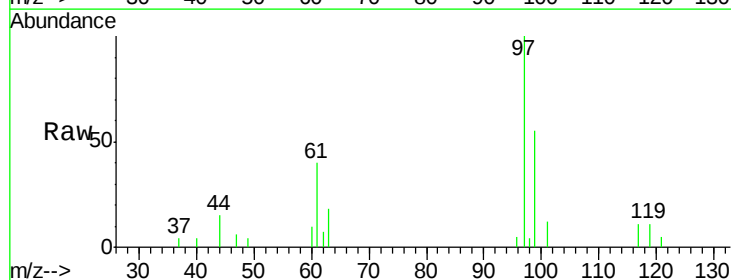
Tgt Ion: 97 Resp: 6137

Ion Ratio Lower Upper

97 100

99 63.3 52.0 78.0

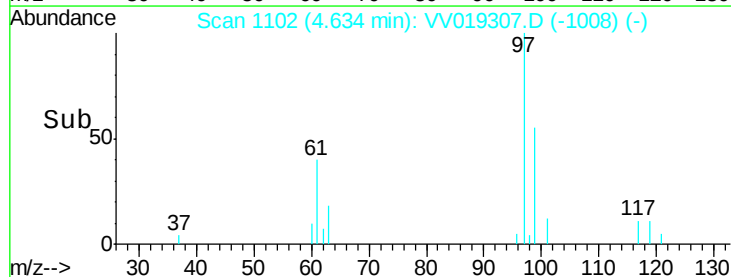
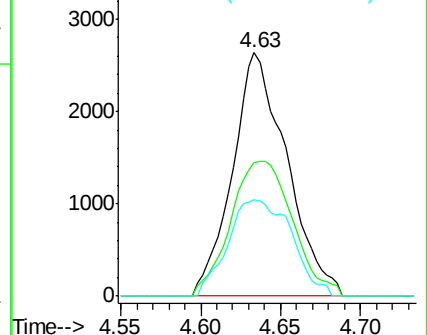
61 33.0 35.3 52.9#

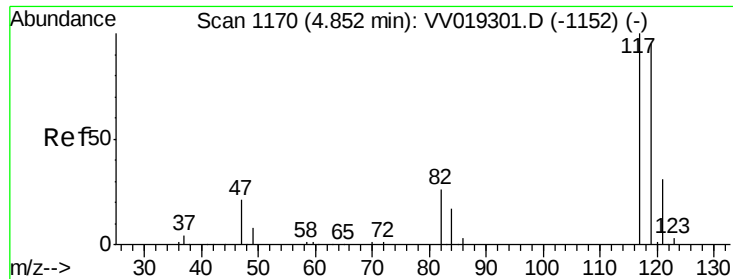


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 1.931 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

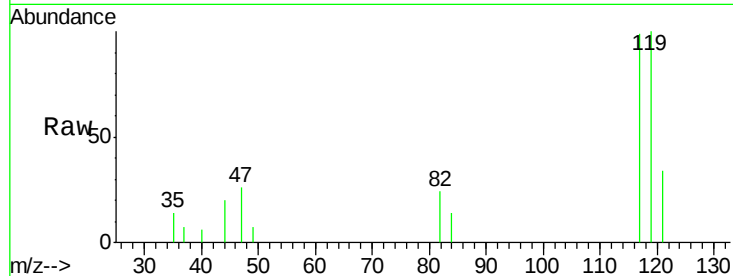
MDL-WATER-05

Tot Ion:117 Resp: 4911

Ion Ratio Lower Upper

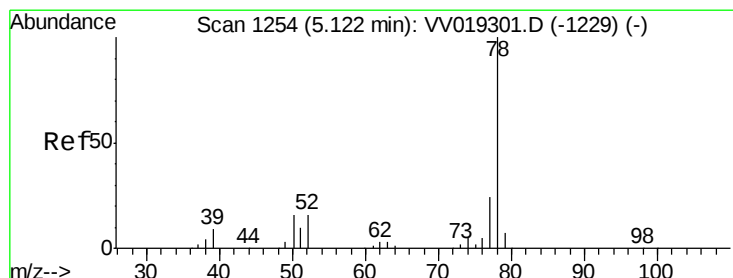
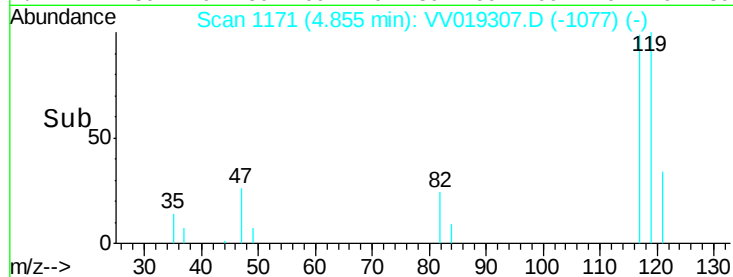
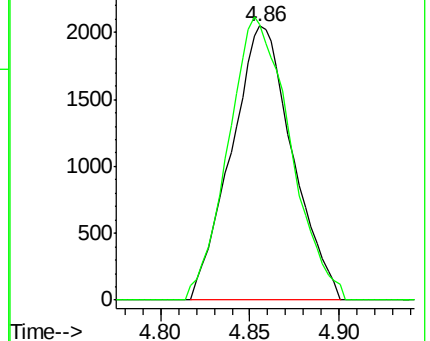
117 100

119 104.4 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.324 ug/L

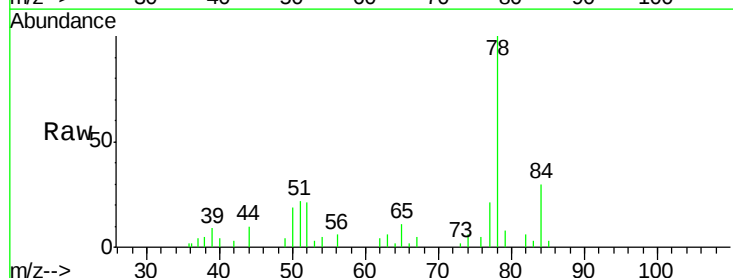
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

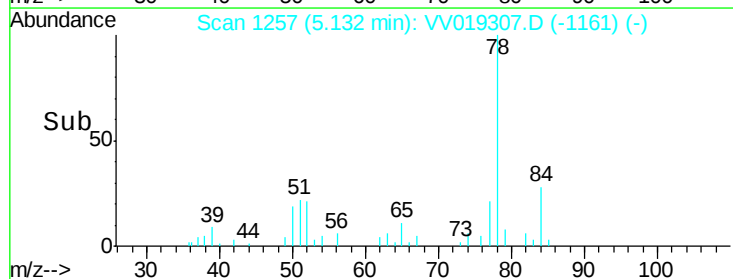
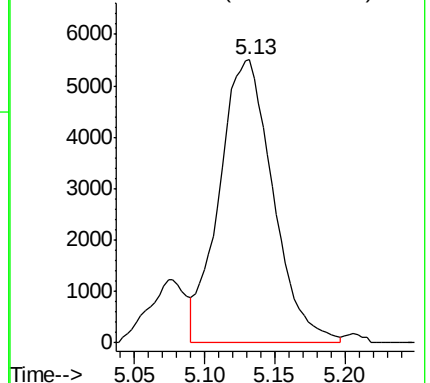
Lab File: VV019307.D

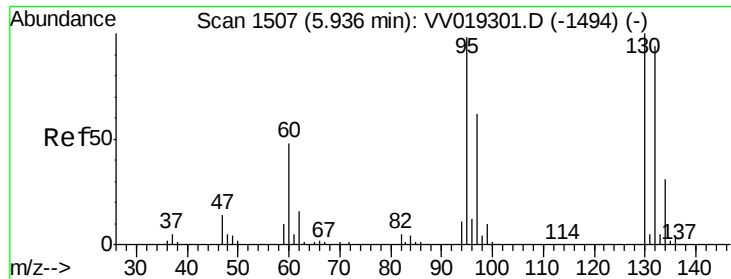
Acq: 09 Nov 2020 17:11

Tgt Ion: 78 Resp: 14669



Abundance Ion 78.00 (77.70 to 78.70): VV0

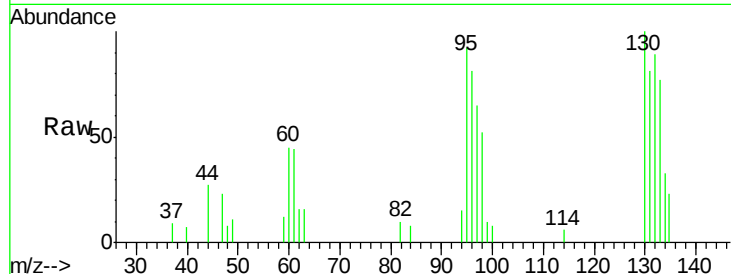




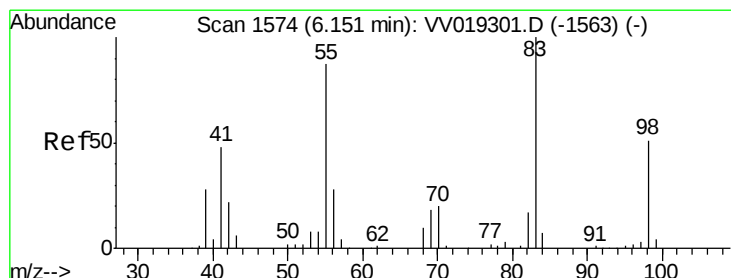
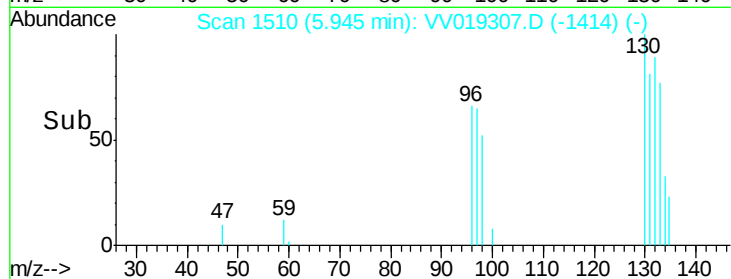
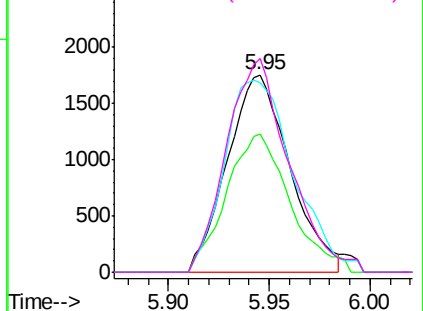
#34
 Trichloroethene
 Concen: 2.213 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion: 95 Resp: 3796
 Ion Ratio Lower Upper
 95 100
 97 70.4 45.4 84.4
 132 96.3 68.5 127.3
 130 108.3 72.0 133.6

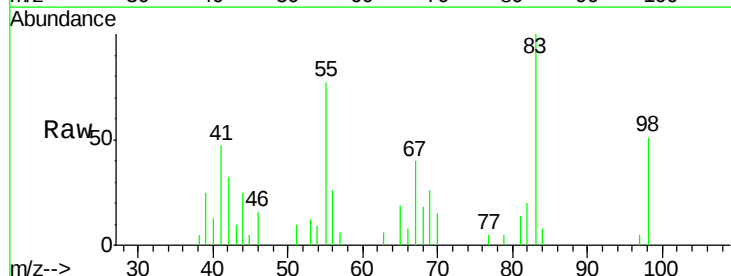


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

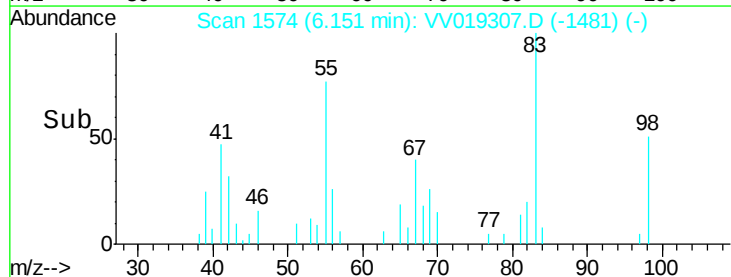
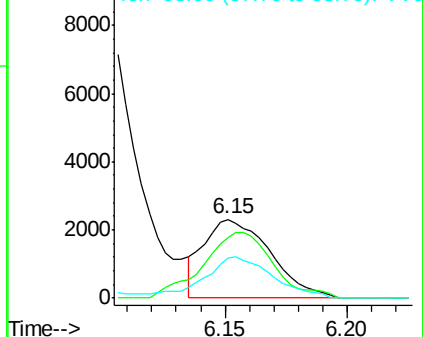


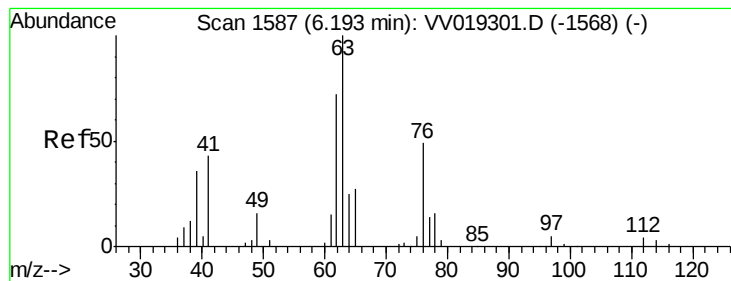
#35
 Methylcyclohexane
 Concen: 2.110 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

Tgt Ion: 83 Resp: 4382
 Ion Ratio Lower Upper
 83 100
 55 87.1 62.8 94.2
 98 50.2 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 1.991 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.01 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

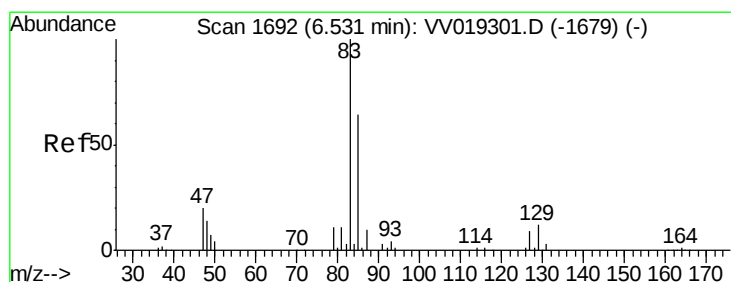
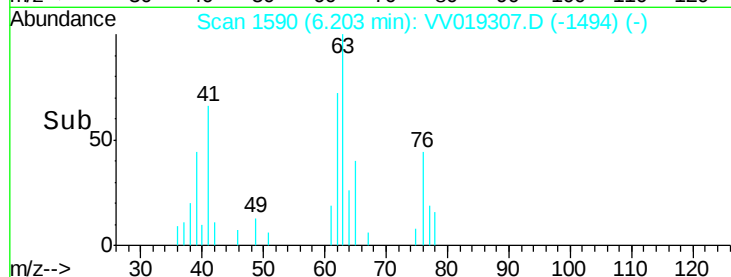
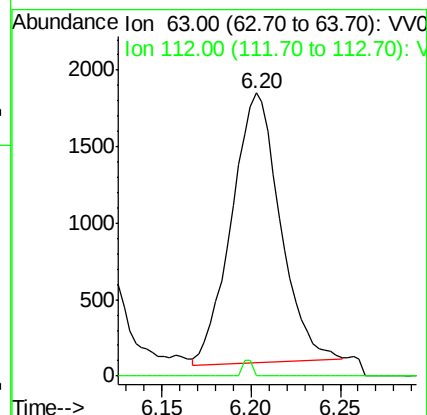
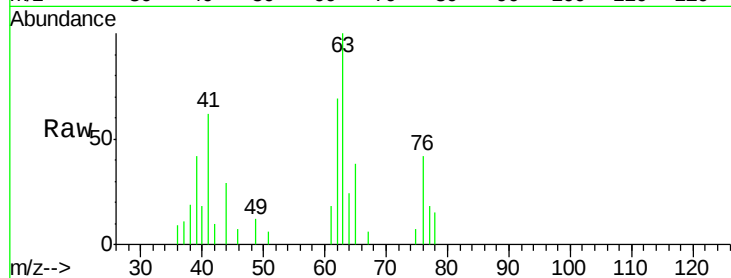
MDL-WATER-05

Tot Ion: 63 Resp: 3354

Ion Ratio Lower Upper

63 100

112 1.2 4.2 6.2#



#38

Bromodichloromethane

Concen: 2.049 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

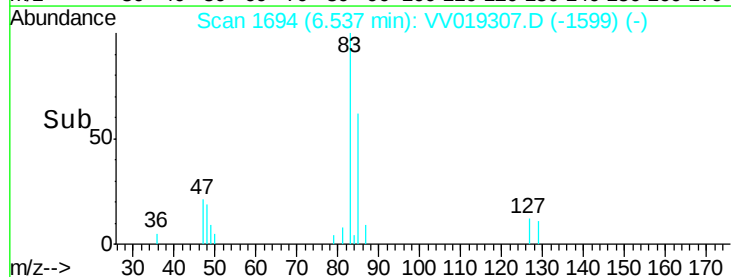
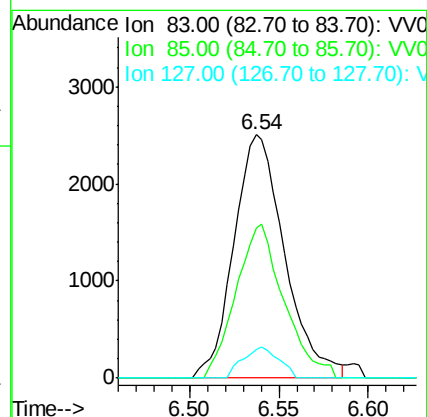
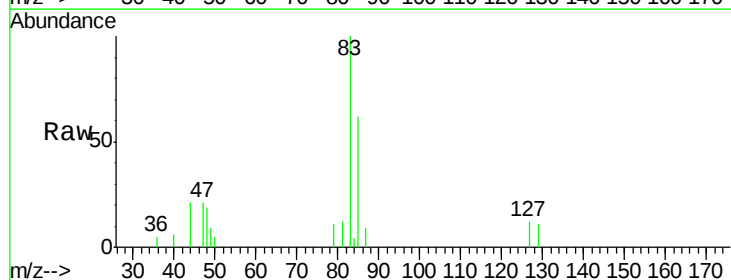
Tgt Ion: 83 Resp: 4969

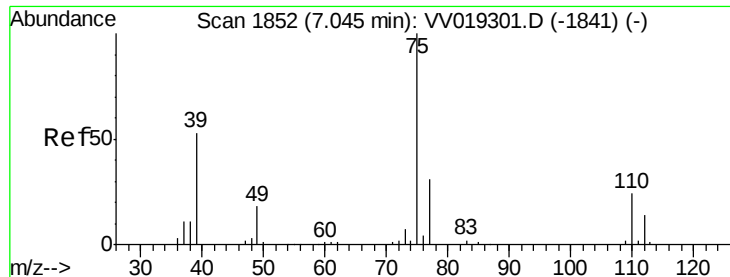
Ion Ratio Lower Upper

83 100

85 61.9 44.0 81.8

127 11.7 7.3 10.9#

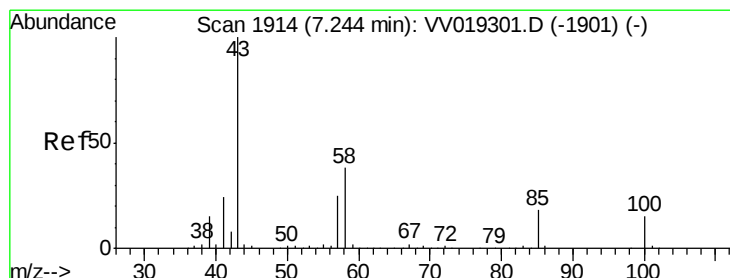
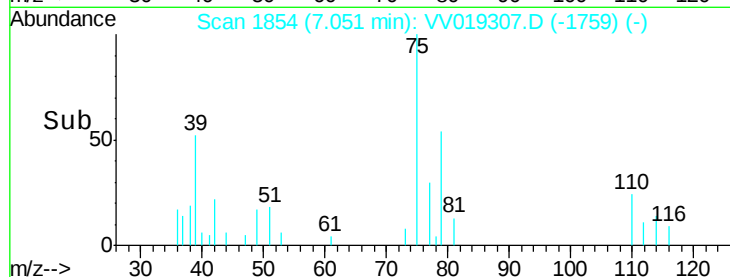
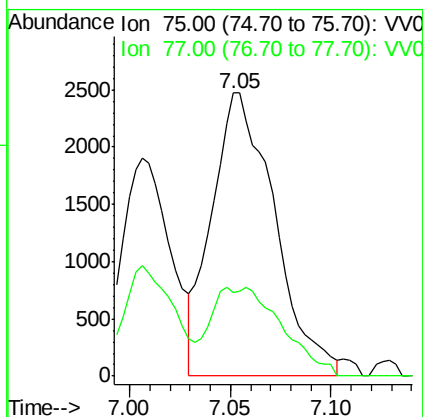
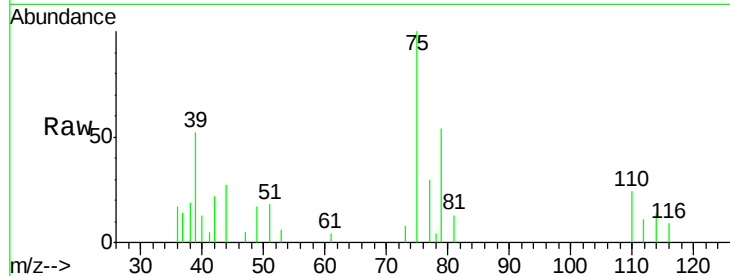




#39
 cis-1,3-Dichloropropene
 Concen: 1.990 ug/L m
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

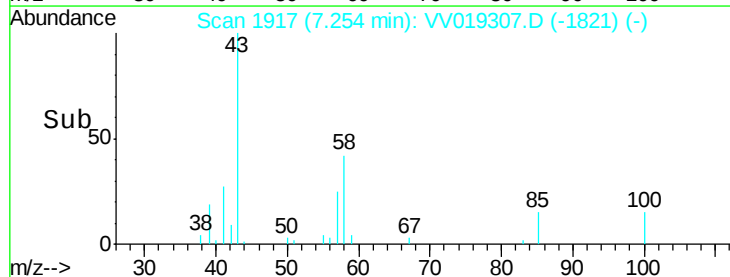
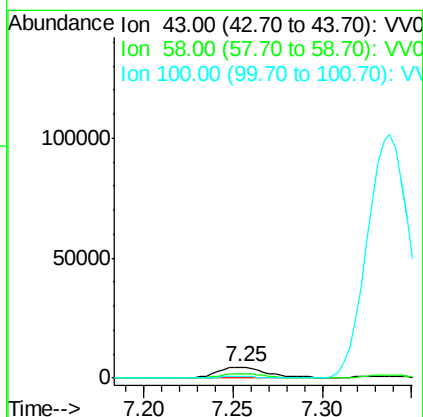
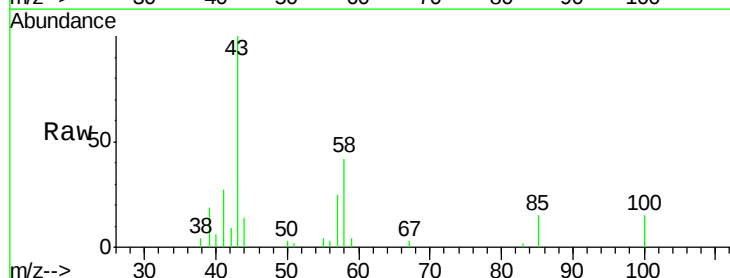
Instrument :
 MSVOA_V
 ClientSampled :
 MDL-WATER-05

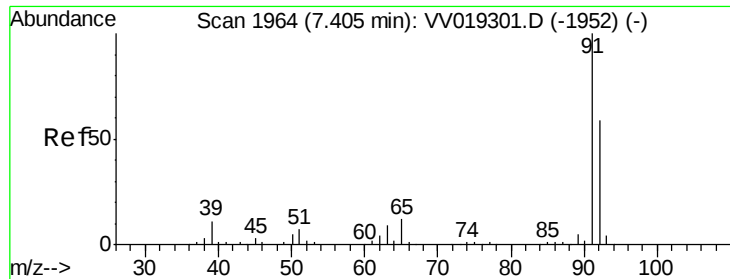
Tot Ion: 75 Resp: 5365
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 3.964 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

Tgt Ion: 43 Resp: 8972
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.5 45.7
 100 13.6 12.7 19.1





#42

Toluene

Concen: 2.257 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

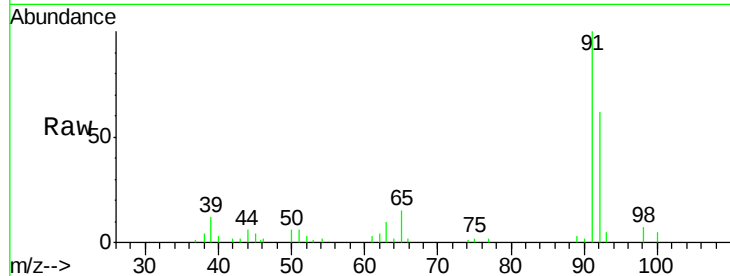
MDL-WATER-05

Tot Ion: 91 Resp: 15400

Ion Ratio Lower Upper

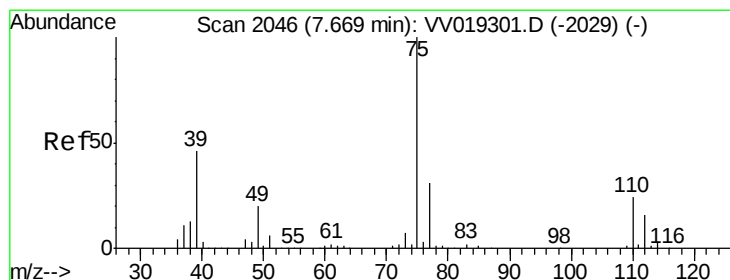
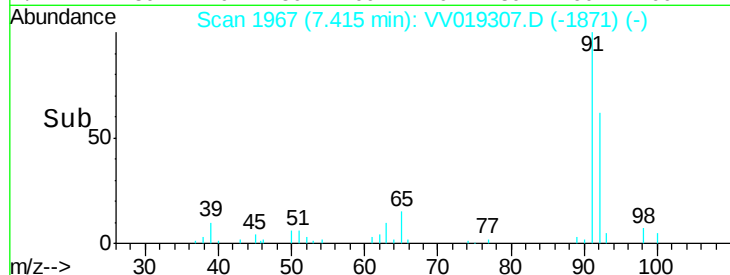
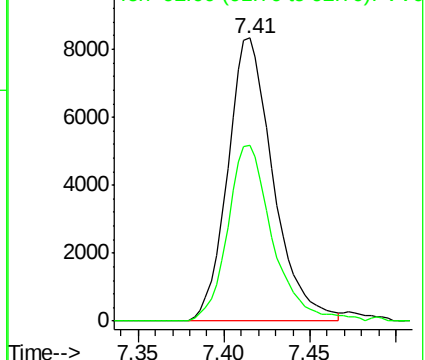
91 100

92 62.2 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.038 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019307.D

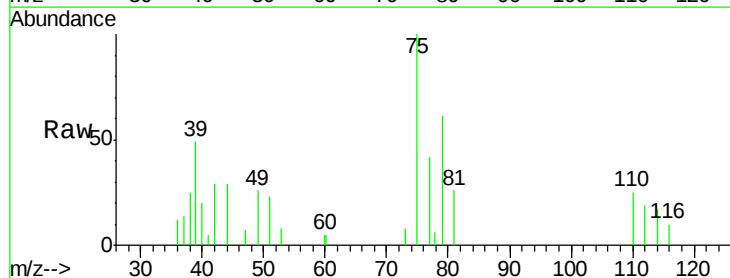
Acq: 09 Nov 2020 17:11

Tgt Ion: 75 Resp: 5630

Ion Ratio Lower Upper

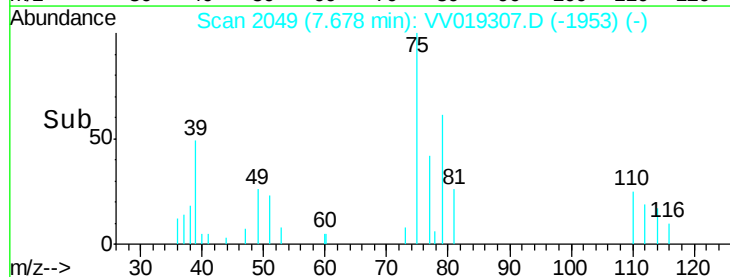
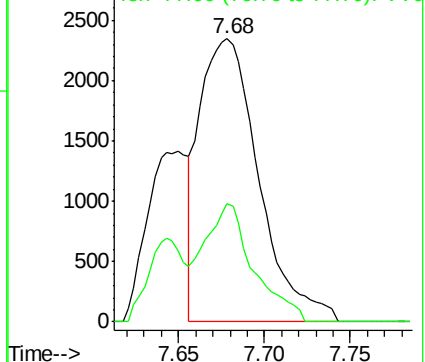
75 100

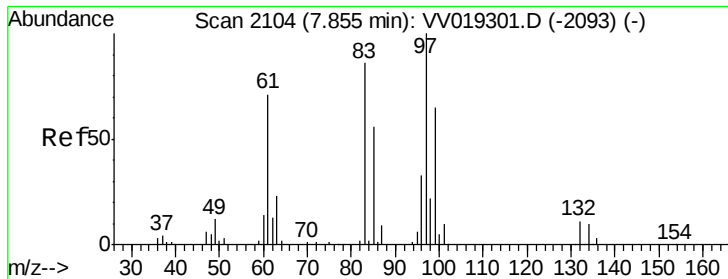
77 41.6 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 1.978 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

Tot Ion: 97 Resp: 3294

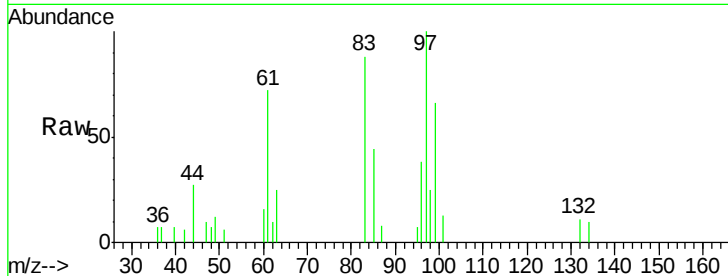
Ion Ratio Lower Upper

97 100

99 66.1 45.1 83.9

83 88.2 57.6 107.0

85 43.9 37.8 70.2

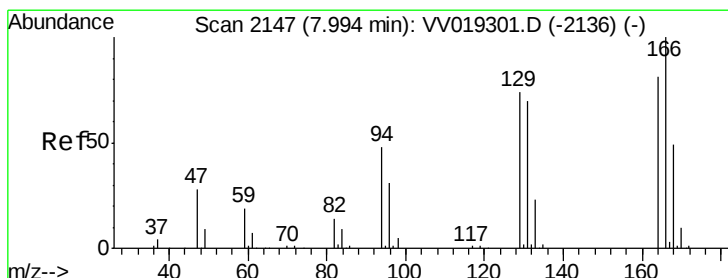
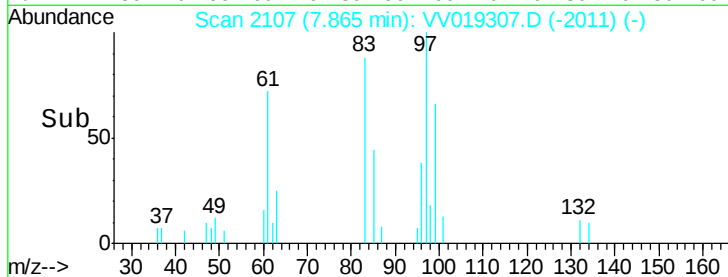
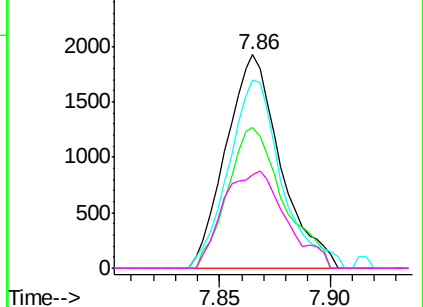


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 2.160 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Tgt Ion: 164 Resp: 3023

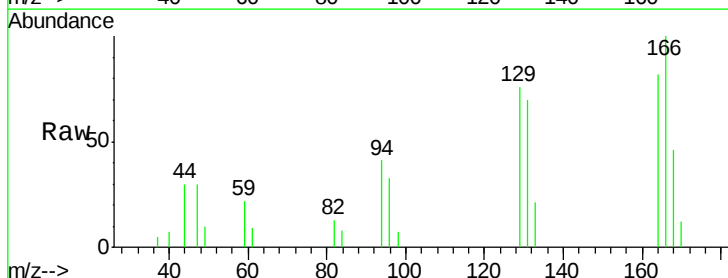
Ion Ratio Lower Upper

164 100

129 91.8 62.6 116.3

131 84.5 59.0 109.6

166 121.5 88.0 163.4

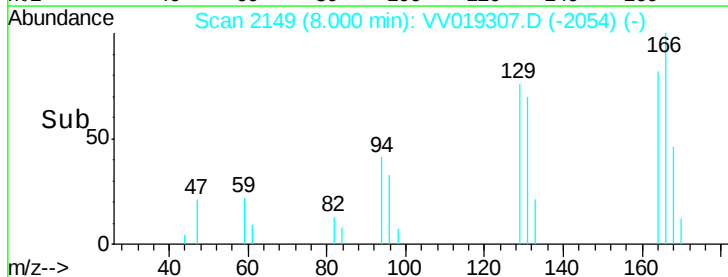
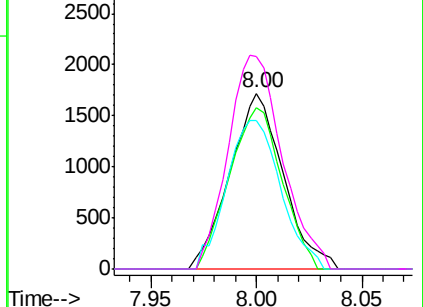


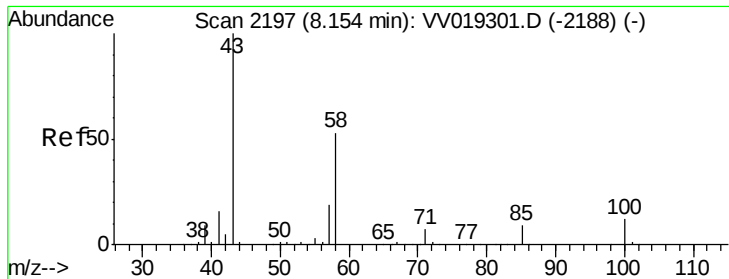
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

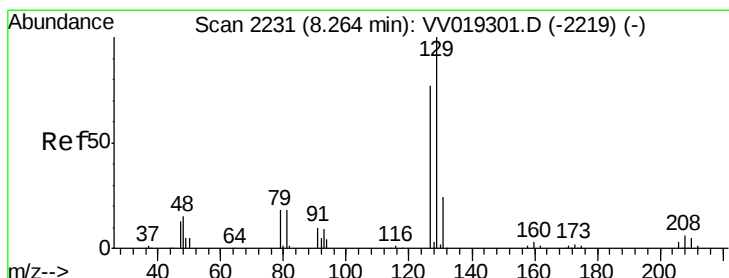
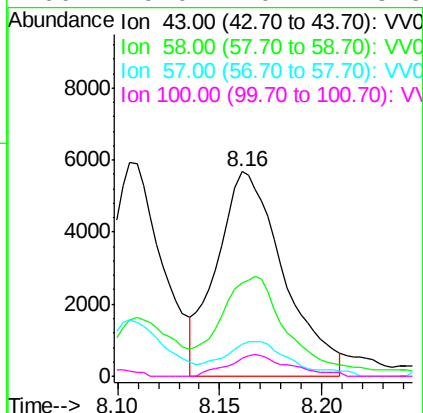
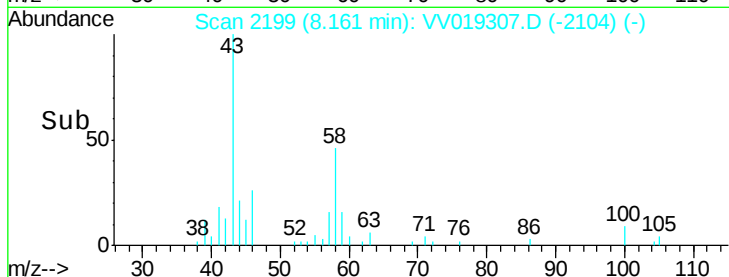
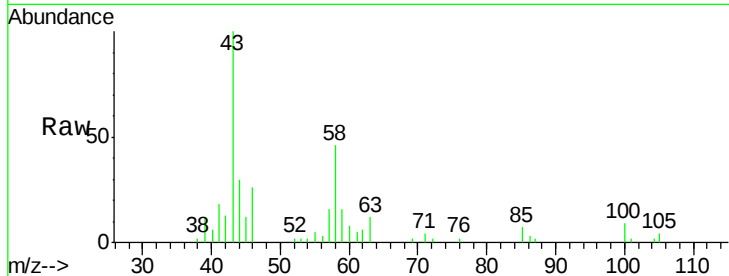




#48
2-Hexanone
Concen: 7.577 ug/L m
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

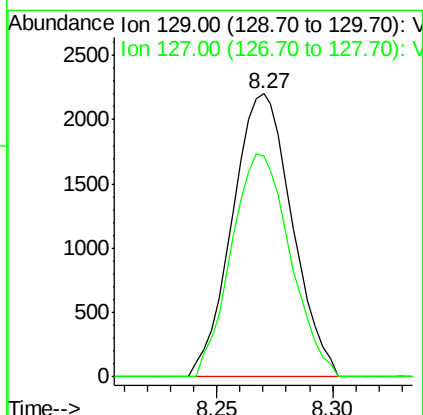
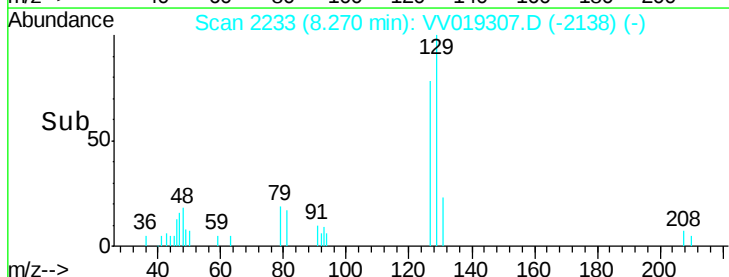
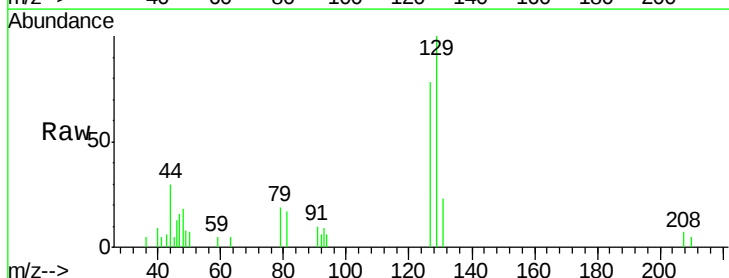
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

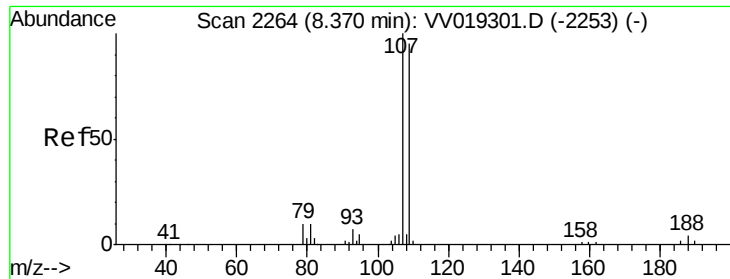
Tot Ion: 43 Resp: 12965
Ion Ratio Lower Upper
43 100
58 45.3 42.6 63.8
57 12.3 15.8 23.8#
100 9.0 10.4 15.6#



#49
Dibromochloromethane
Concen: 1.984 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.01 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

Tgt Ion: 129 Resp: 3940
Ion Ratio Lower Upper
129 100
127 77.9 54.4 101.0

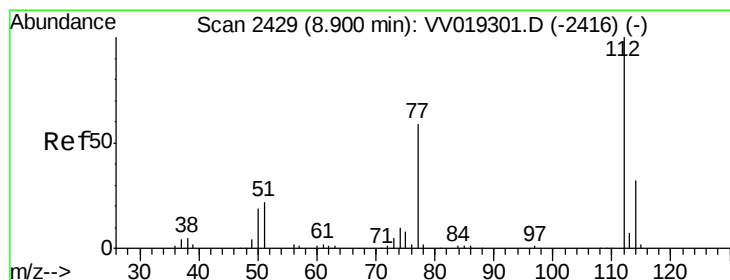
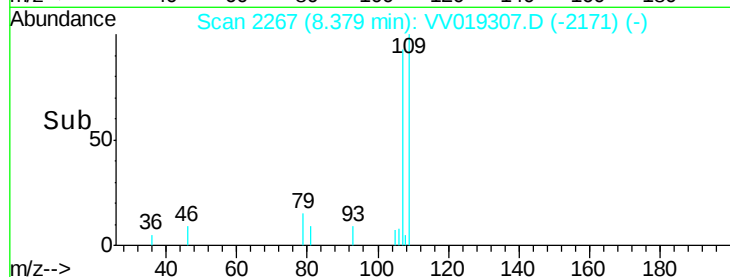
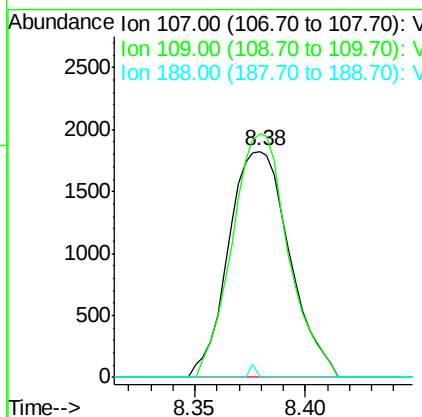
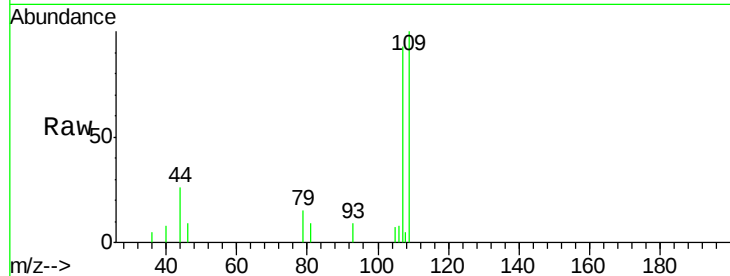




#50
 1,2-Dibromoethane
 Concen: 2.032 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

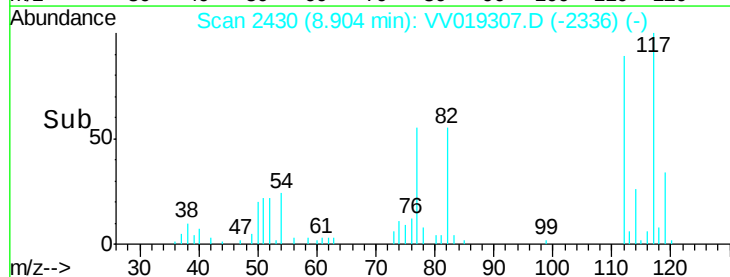
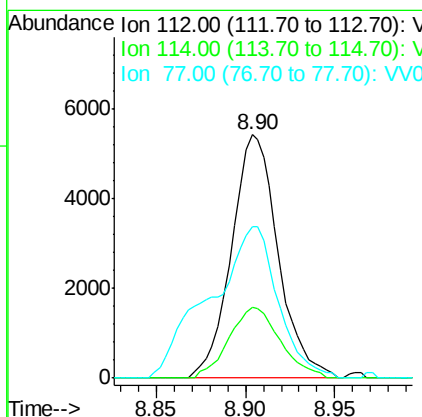
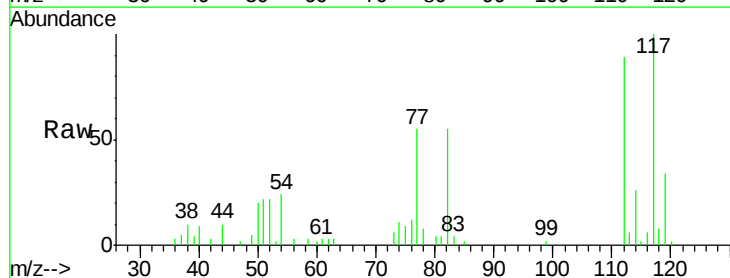
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

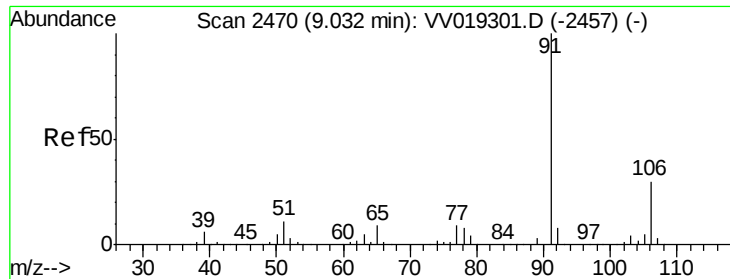
Tot Ion	Ratio	Lower	Upper
107	100		
109	107.7	64.8	120.4
188	0.0	3.8	5.8#



#51
 Chlorobenzene
 Concen: 2.171 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.2	22.7	42.1
77	62.1	47.3	70.9





#52

Ethylbenzene

Concen: 1.906 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

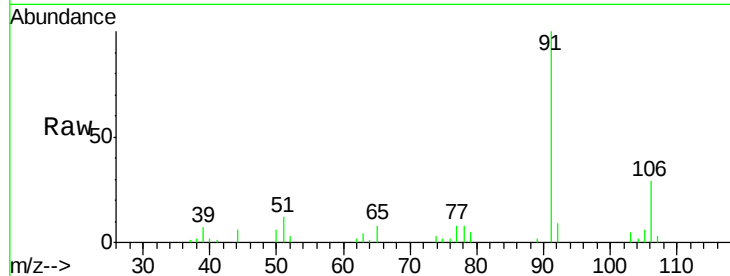
MDL-WATER-05

Tot Ion: 91 Resp: 14350

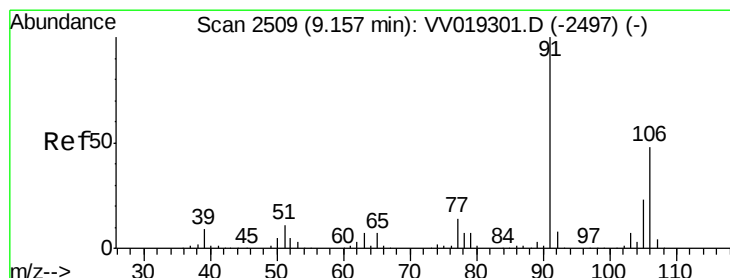
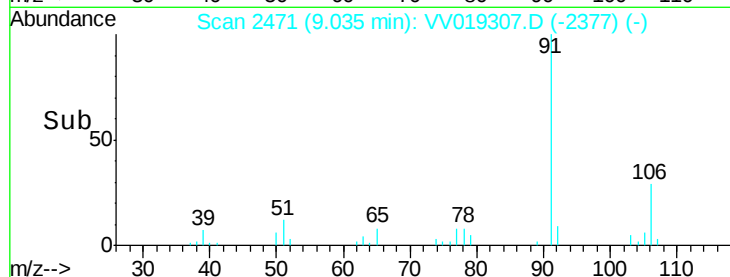
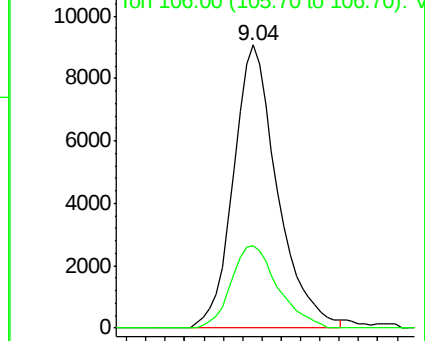
Ion Ratio Lower Upper

91 100

106 29.3 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019307.D (-2377) (-)



#53

m,p-Xylene

Concen: 1.803 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019307.D

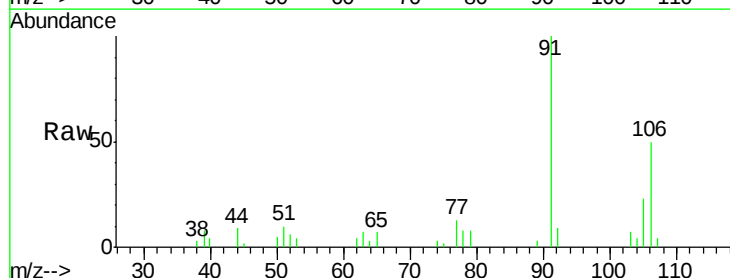
Acq: 09 Nov 2020 17:11

Tgt Ion: 106 Resp: 5081

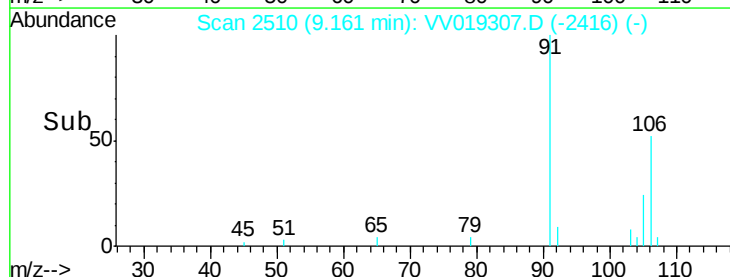
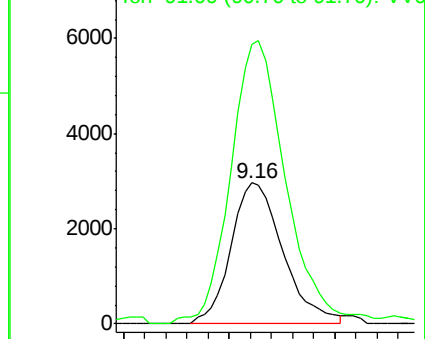
Ion Ratio Lower Upper

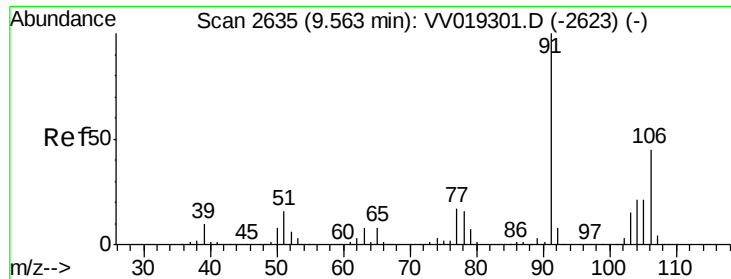
106 100

91 198.6 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019307.D (-2416) (-)

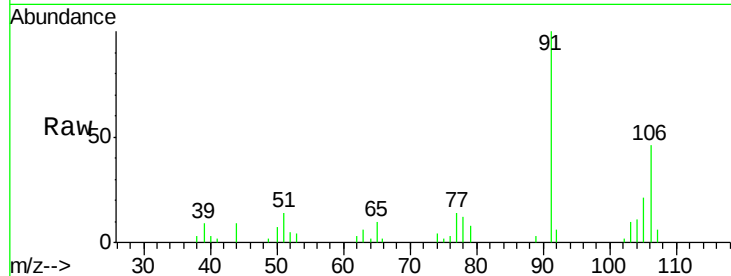




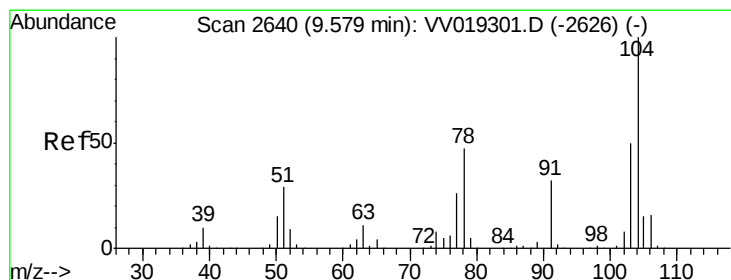
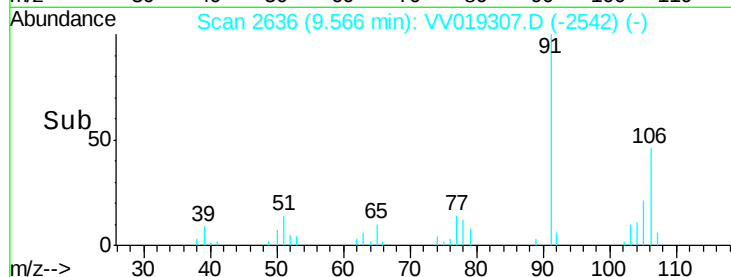
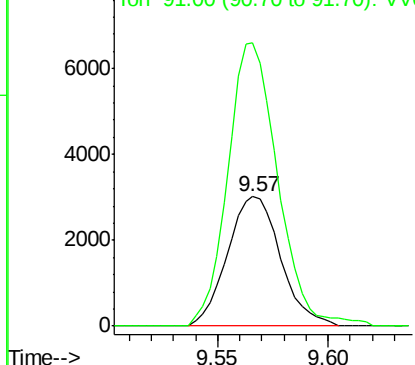
#54
o-Xylene
Concen: 1.821 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

Tot Ion:106 Resp: 5060
Ion Ratio Lower Upper
106 100
91 219.1 151.6 281.6

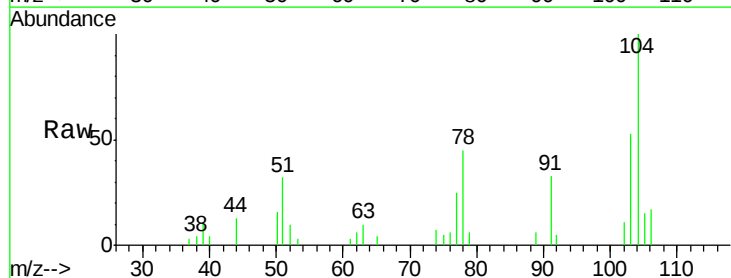


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

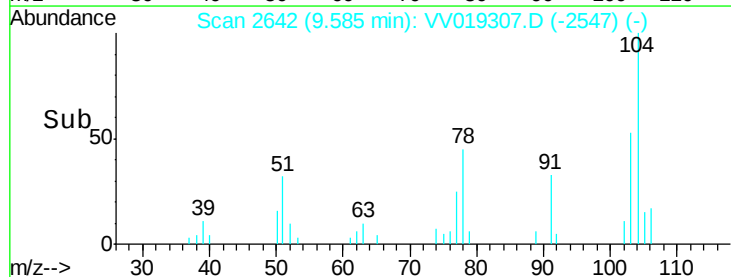
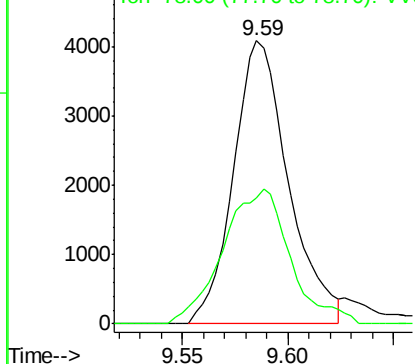


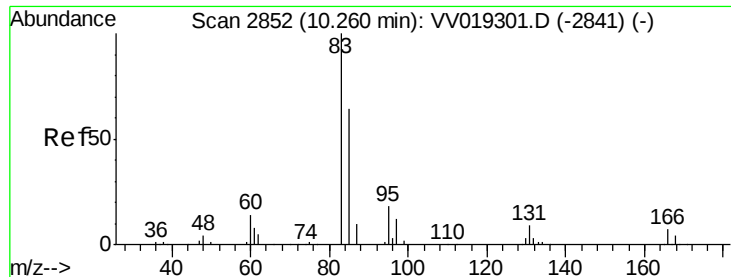
#55
Styrene
Concen: 1.501 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019307.D
Acq: 09 Nov 2020 17:11

Tgt Ion:104 Resp: 7424
Ion Ratio Lower Upper
104 100
78 44.6 32.6 60.5



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

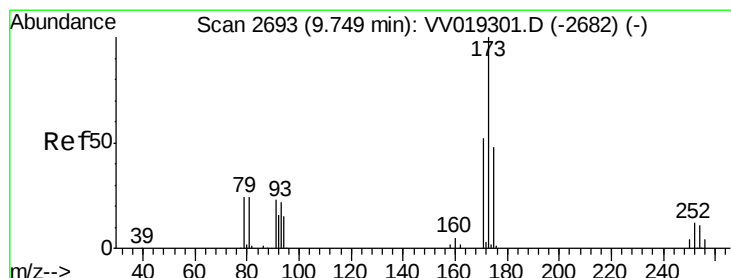
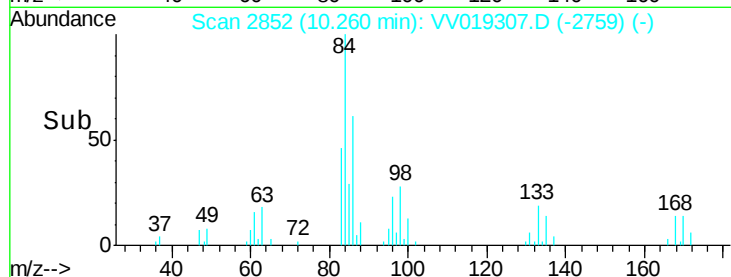
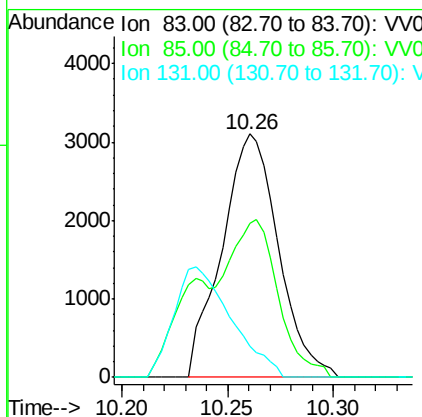
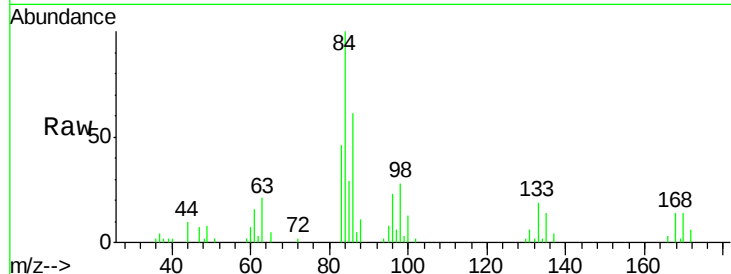




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.296 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

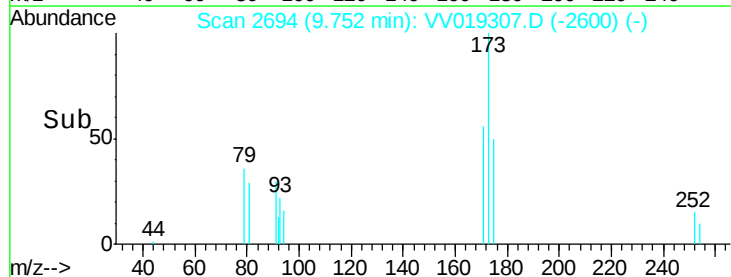
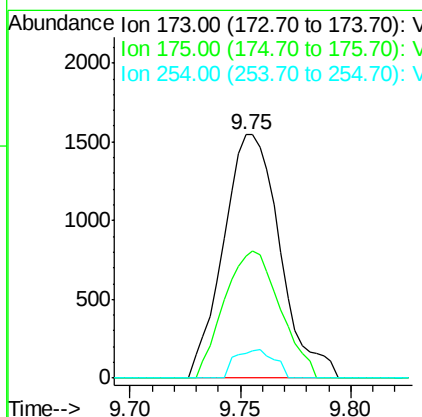
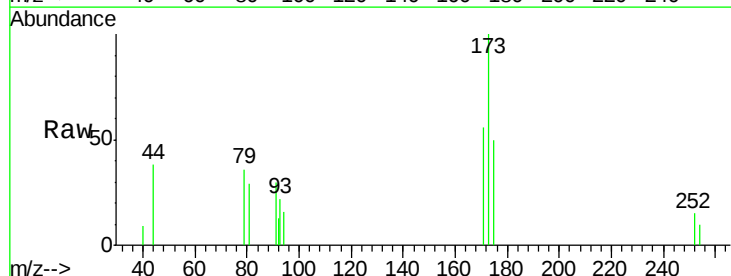
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

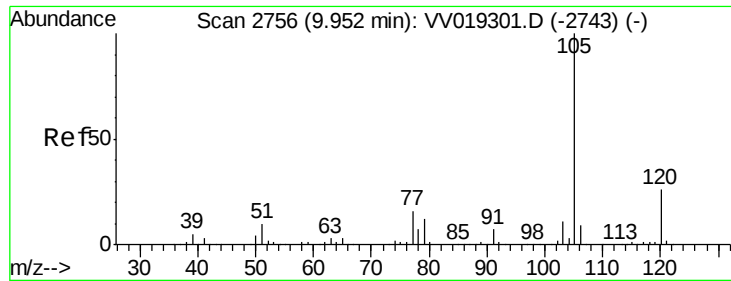
Tot Ion: 83 Resp: 5785
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.0 83.6
 131 12.8 8.9 13.3



#59
 Bromoform
 Concen: 1.986 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

Tgt Ion: 173 Resp: 2756
 Ion Ratio Lower Upper
 173 100
 175 51.5 38.4 57.6
 254 8.1 9.0 13.6#





#60

Isopropylbenzene

Concen: 1.931 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampled :

MDL-WATER-05

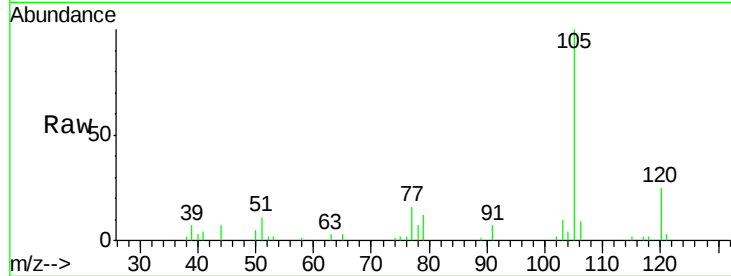
Tot Ion:105 Resp: 12653

Ion Ratio Lower Upper

105 100

120 27.4 21.0 31.4

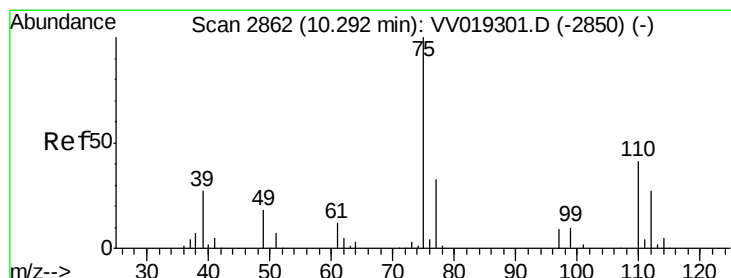
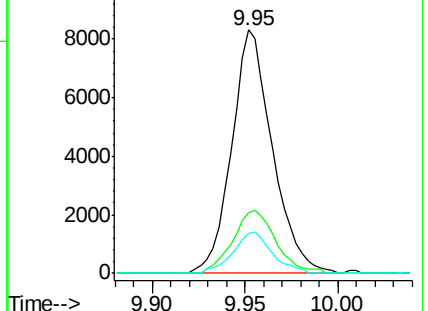
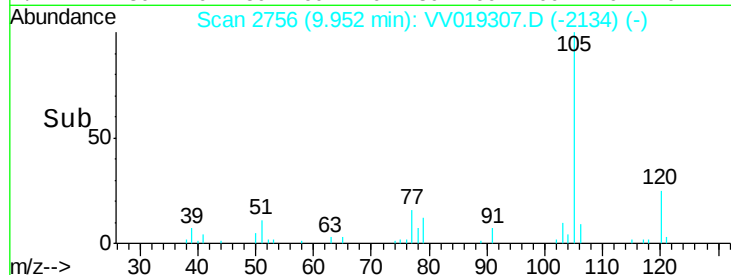
77 16.2 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 2.371 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

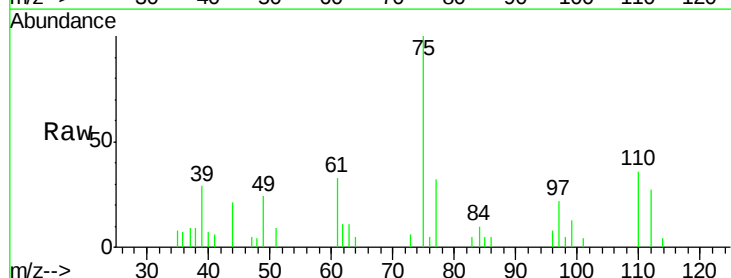
Tgt Ion: 75 Resp: 4607

Ion Ratio Lower Upper

75 100

77 35.6 24.8 37.2

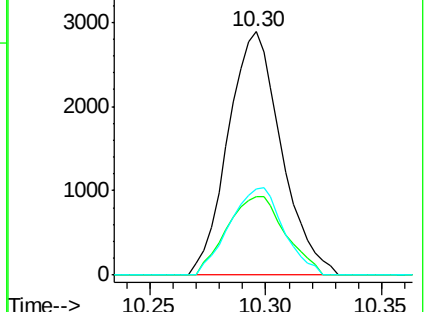
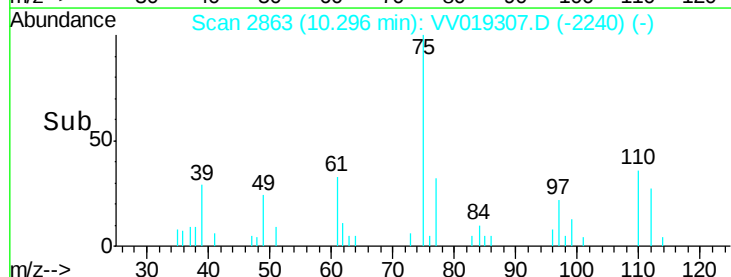
110 36.4 33.4 50.2

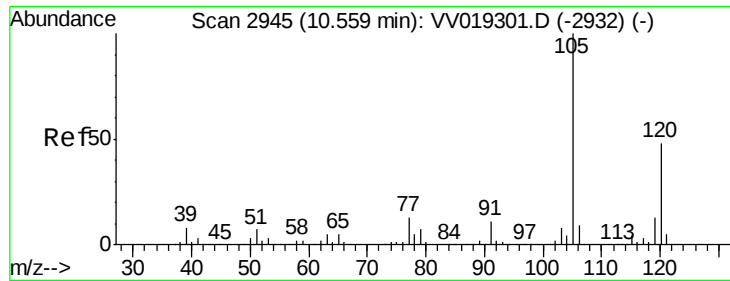


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 1.775 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

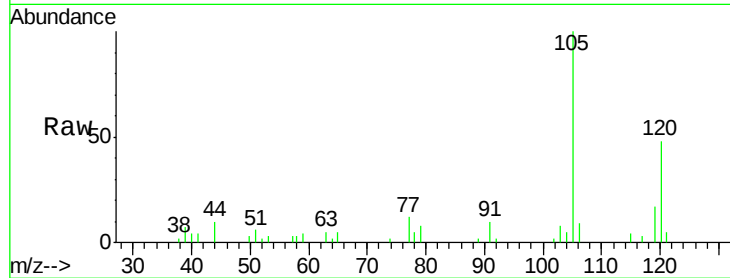
MDL-WATER-05

Tot Ion:105 Resp: 9691

Ion Ratio Lower Upper

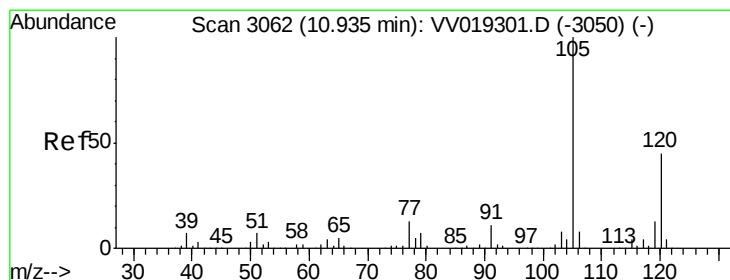
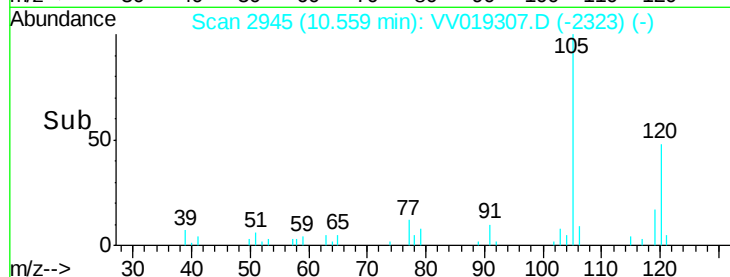
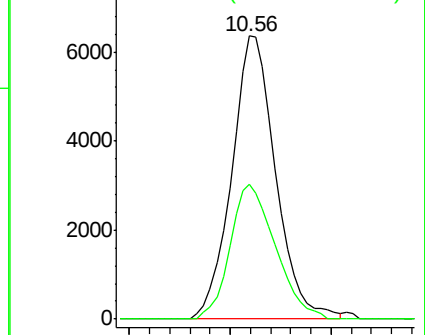
105 100

120 48.9 38.3 57.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 1.737 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VV019307.D

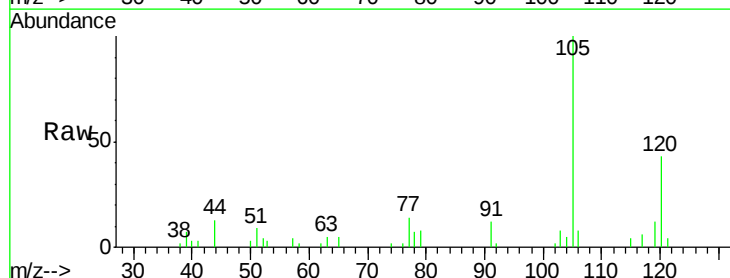
Acq: 09 Nov 2020 17:11

Tgt Ion:105 Resp: 9278

Ion Ratio Lower Upper

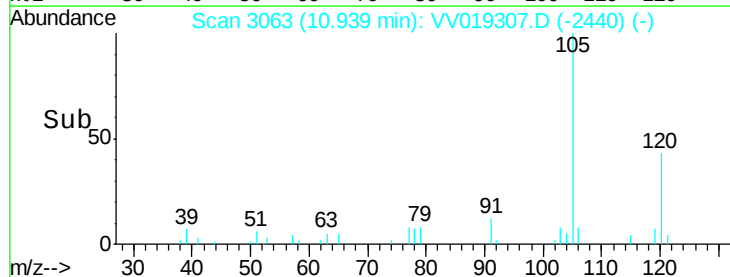
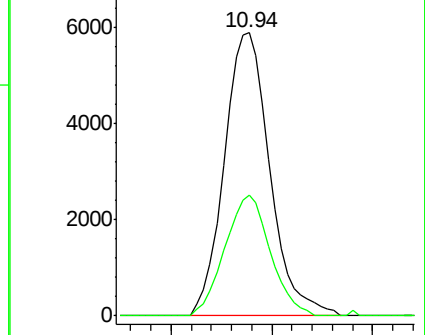
105 100

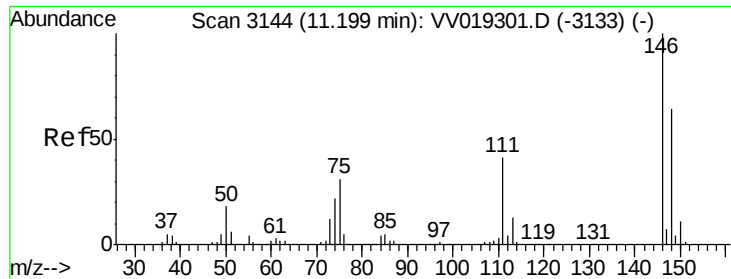
120 42.6 35.7 53.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.059 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.01 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

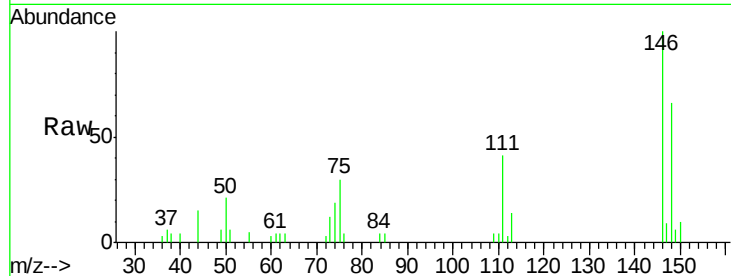
Tot Ion:146 Resp: 7058

Ion Ratio Lower Upper

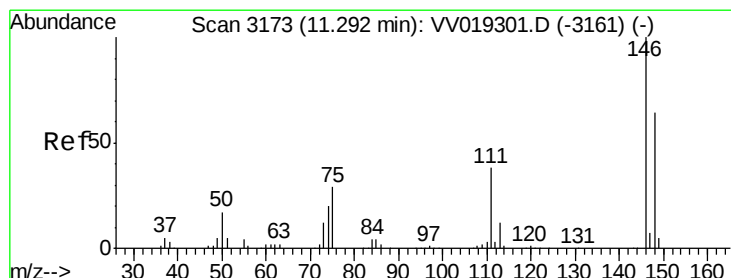
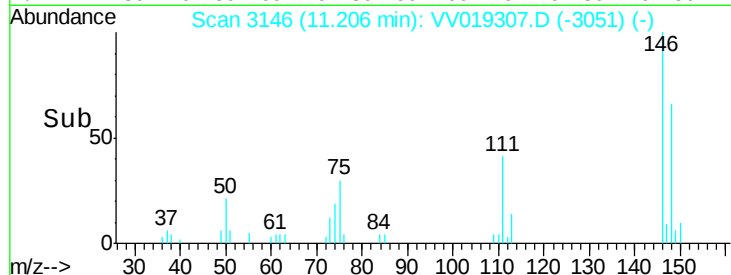
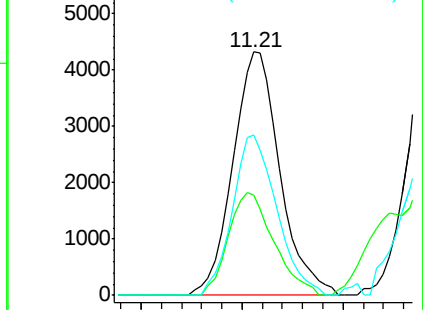
146 100

111 41.1 27.3 50.7

148 65.8 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 2.277 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

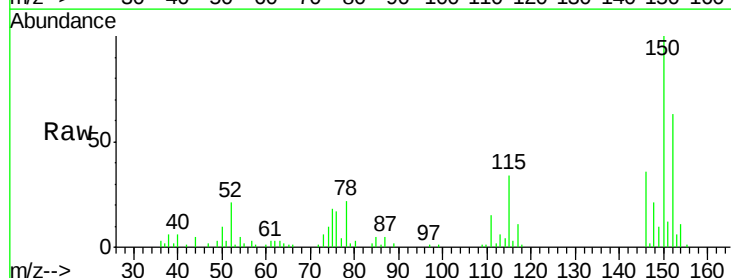
Tgt Ion:146 Resp: 8077

Ion Ratio Lower Upper

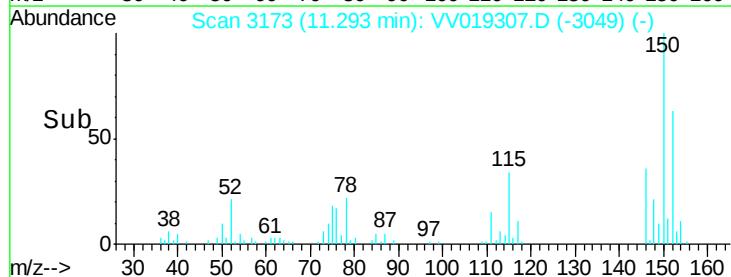
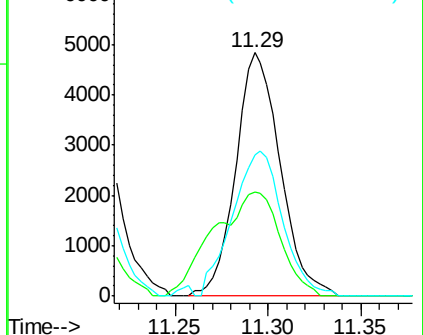
146 100

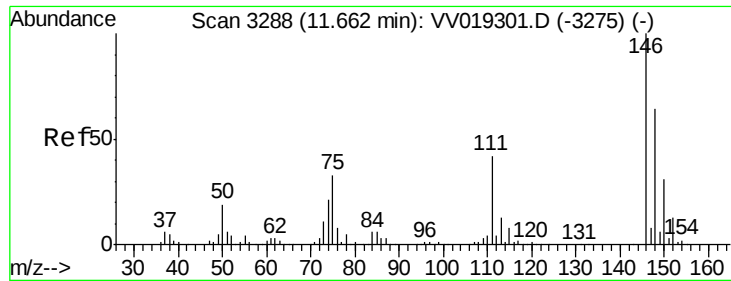
111 42.8 25.9 48.1

148 57.9 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 2.347 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampled :

MDL-WATER-05

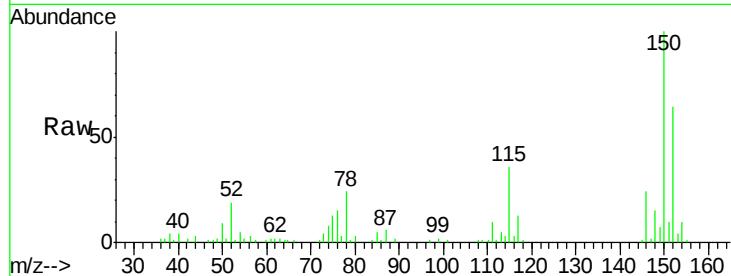
Tot Ion:146 Resp: 8231

Ion Ratio Lower Upper

146 100

111 44.0 32.6 48.8

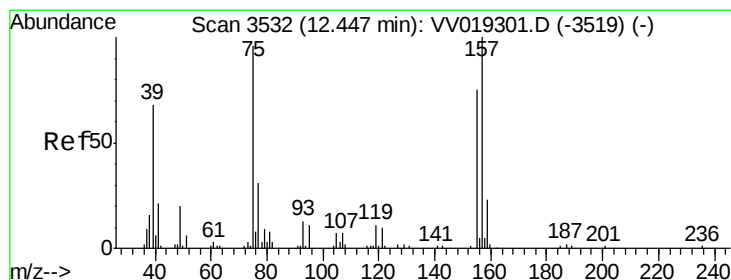
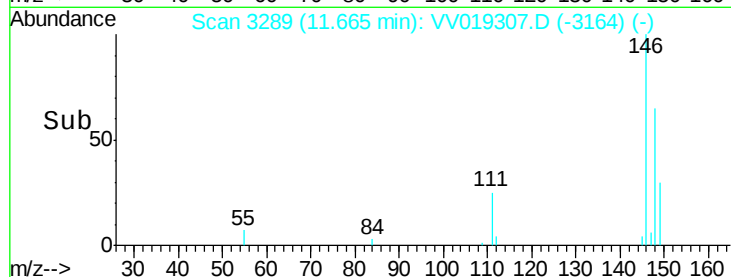
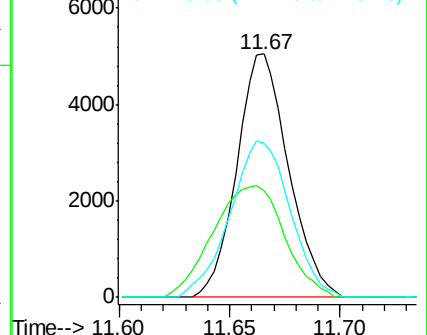
148 63.3 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 1.992 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

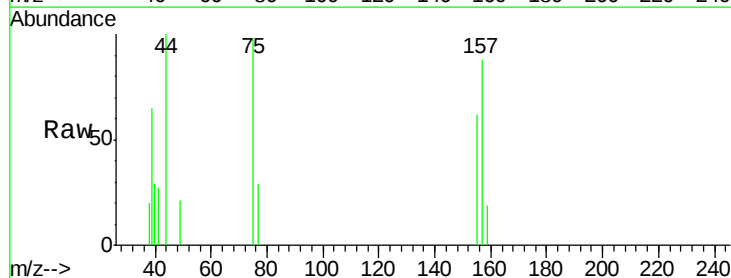
Tgt Ion: 75 Resp: 1129

Ion Ratio Lower Upper

75 100

155 63.4 65.8 98.6#

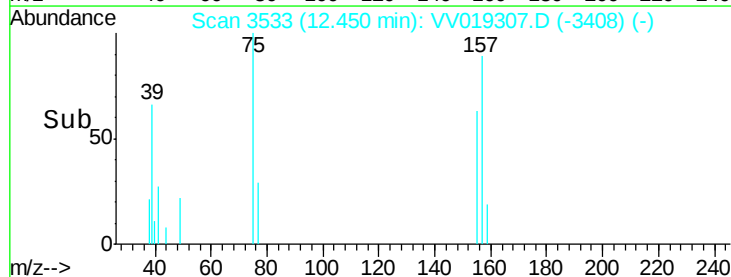
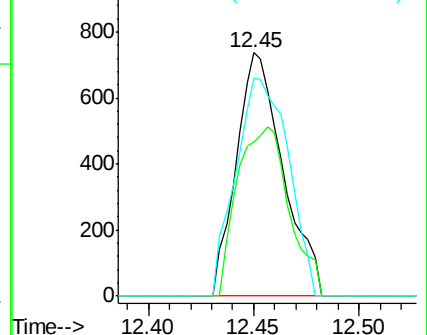
157 89.4 86.3 129.5

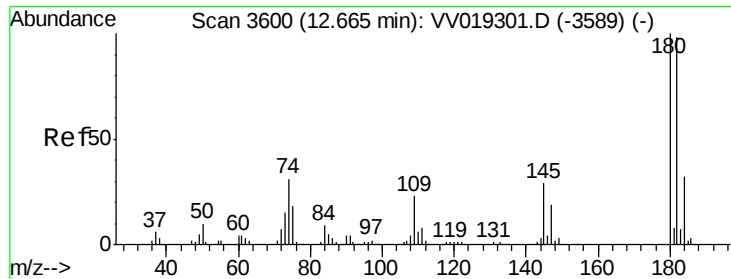


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

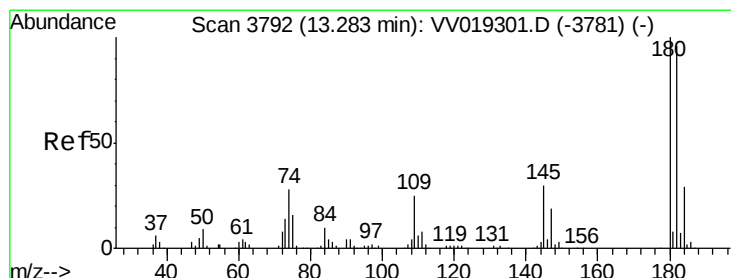
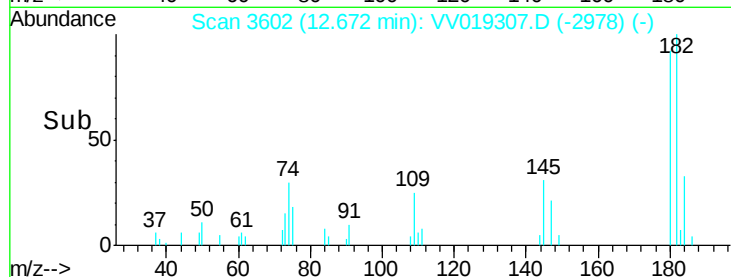
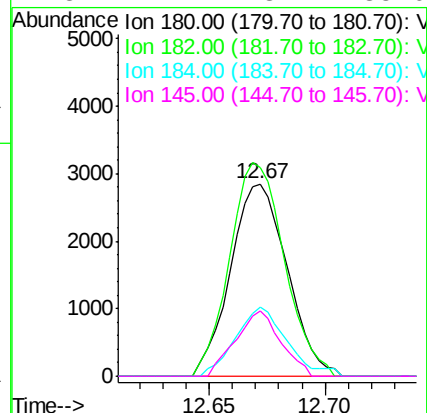
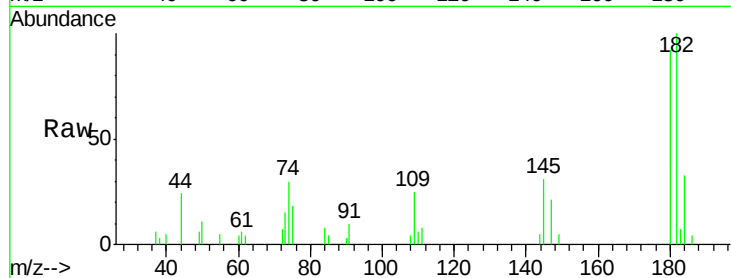




#69
 1,3,5-Trichlorobenzene
 Concen: 1.965 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.01 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

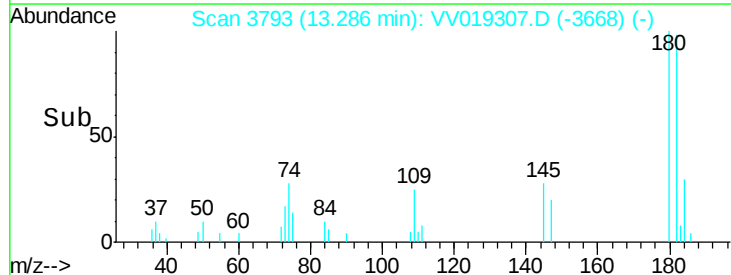
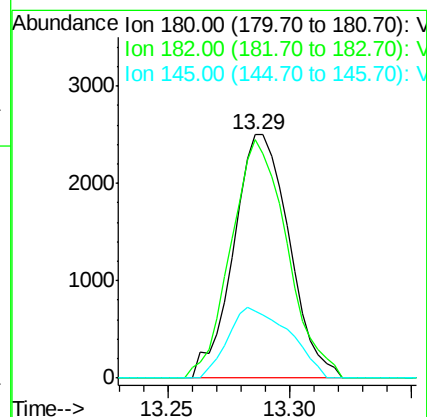
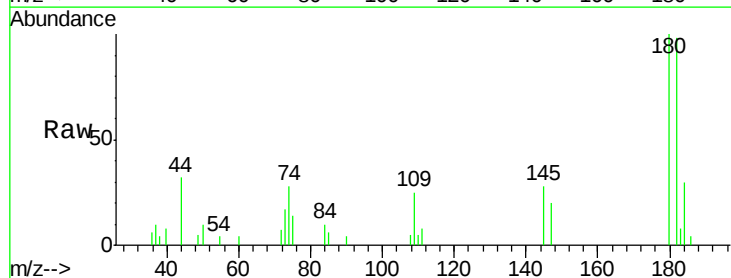
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

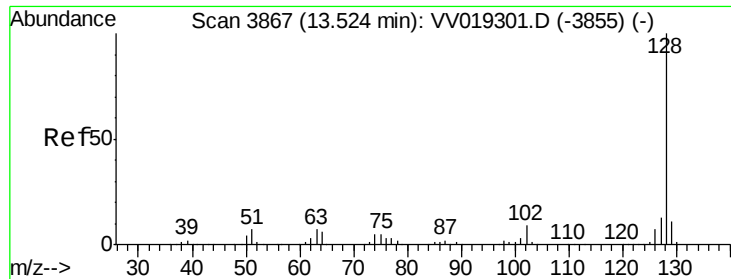
Tot Ion:180 Resp: 4836
 Ion Ratio Lower Upper
 180 100
 182 107.4 77.7 116.5
 184 31.6 24.9 37.3
 145 27.1 23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 1.707 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019307.D
 Acq: 09 Nov 2020 17:11

Tgt Ion:180 Resp: 3951
 Ion Ratio Lower Upper
 180 100
 182 98.9 76.6 114.8
 145 32.1 23.2 34.8





#71

Naphthalene

Concen: 1.410 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

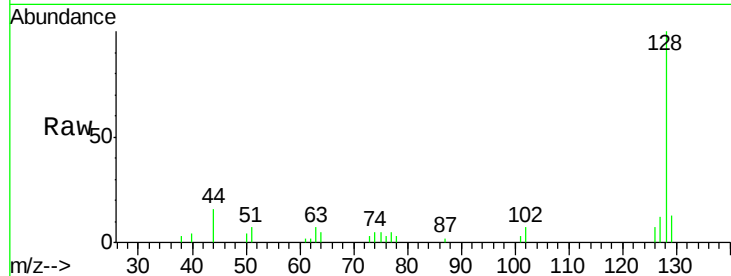
Tot Ion:128 Resp: 9205

Ion Ratio Lower Upper

128 100

127 11.4 10.7 16.1

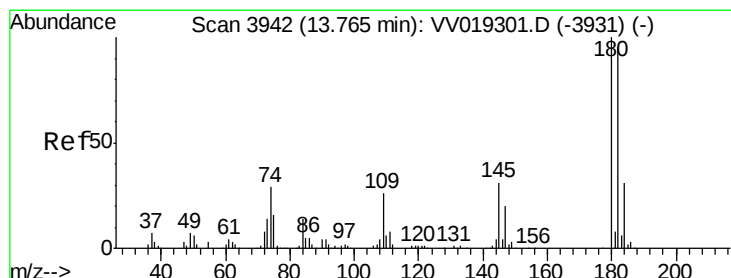
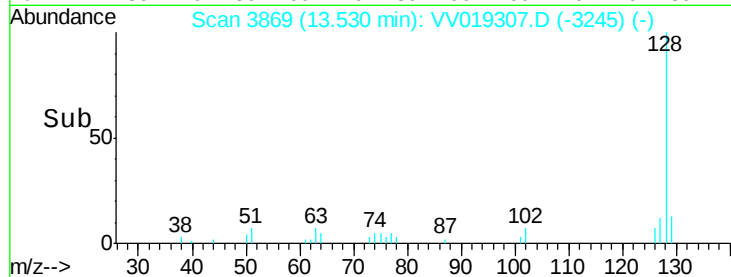
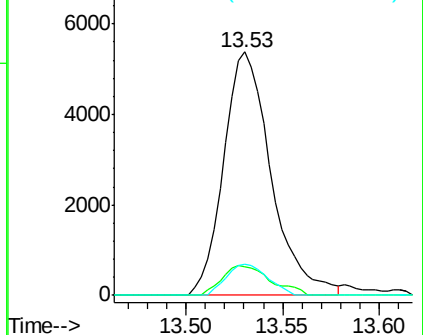
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 1.803 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019307.D

Acq: 09 Nov 2020 17:11

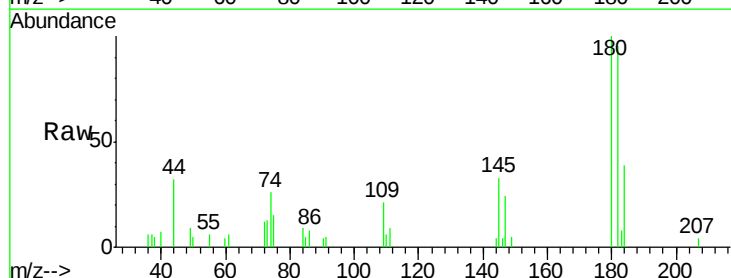
Tgt Ion:180 Resp: 4138

Ion Ratio Lower Upper

180 100

182 96.6 77.4 116.0

145 29.9 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

