

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110420\
 Data File : VV019233.D
 Acq On : 03 Nov 2020 14:01
 Operator : SY/MD
 Sample : L4485-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-04

Quant Time: Nov 04 07:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 07:03:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	247074	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	237916	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	123733	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83282	43.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.36%
7) Chloroethane-d5	1.58	69	72697	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.30%
11) 1,1-Dichloroethene-d2	2.12	63	137380	38.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.82%
21) 2-Butanone-d5	3.91	46	111751	106.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.29%
24) Chloroform-d	4.37	84	168013	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	5.05	65	119391	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
32) Benzene-d6	5.07	84	317527	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
36) 1,2-Dichloropropane-d6	6.09	67	98415	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.34%
41) Toluene-d8	7.34	98	292781	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%
43) trans-1,3-Dichloropropene-	7.64	79	52851	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.18%
47) 2-Hexanone-d5	8.11	63	72385	95.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.06%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	120997	46.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.60%
66) 1,2-Dichlorobenzene-d4	11.65	152	123418	49.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3765	2.487 ug/L	95
3) Chloromethane	1.25	50	3931	2.494 ug/L	100
5) Vinyl chloride	1.32	62	4518	2.754 ug/L #	69
6) Bromomethane	1.53	94	2856	2.590 ug/L	94
8) Chloroethane	1.60	64	2859	2.664 ug/L	96
9) Trichlorofluoromethane	1.77	101	6909	2.544 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4730	3.665 ug/L #	83
12) 1,1-Dichloroethene	2.13	96	4185	3.138 ug/L #	1
13) Acetone	2.20	43	4972	6.218 ug/L	93
14) Carbon disulfide	2.31	76	9966	2.602 ug/L	99
15) Methyl Acetate	2.45	43	4111	2.654 ug/L #	68
16) Methylene chloride	2.53	84	4545	2.866 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	3508	2.424 ug/L	93
18) Methyl tert-butyl Ether	2.79	73	11419	2.245 ug/L	98
19) 1,1-Dichloroethane	3.22	63	7078	2.497 ug/L	97
20) cis-1,2-Dichloroethene	3.95	96	4039	2.526 ug/L	95
23) Bromochloromethane	4.29	128	1918	2.178 ug/L #	91

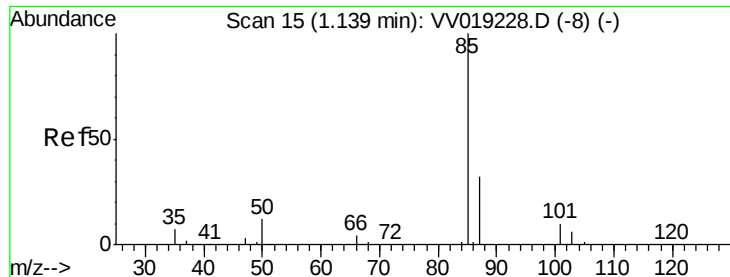
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110420\
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 07:03:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	8396	2.762	ug/L	98
27) 1,2-Dichloroethane	5.16	62	6415	2.483	ug/L #	94
29) Cyclohexane	4.70	56	5071	2.491	ug/L #	93
30) 1,1,1-Trichloroethane	4.64	97	6421	2.327	ug/L	97
31) Carbon tetrachloride	4.64	117	772	0.324	ug/L	99
33) Benzene	5.13	78	14096	2.384	ug/L	100
34) Trichloroethene	5.94	95	3899	2.427	ug/L	96
35) Methylcyclohexane	6.15	83	5123	2.634	ug/L	97
37) 1,2-Dichloropropane	6.20	63	3891	2.466	ug/L #	84
38) Bromodichloromethane	6.54	83	5450	2.400	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	6263	2.480	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	8970	4.231	ug/L	97
42) Toluene	7.41	91	17874	2.797	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	6310	2.439	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	3658	2.345	ug/L	98
46) Tetrachloroethene	8.00	164	3391	2.586	ug/L	92
48) 2-Hexanone	8.16	43	9995	6.236	ug/L #	90
49) Dibromochloromethane	8.27	129	4100	2.204	ug/L	91
50) 1,2-Dibromoethane	8.38	107	3914	2.421	ug/L #	90
51) Chlorobenzene	8.91	112	10285	2.406	ug/L	96
52) Ethylbenzene	9.04	91	16261	2.306	ug/L	97
53) m,p-Xylene	9.16	106	6099	2.310	ug/L	86
54) o-Xylene	9.57	106	5686	2.185	ug/L	94
55) Styrene	9.59	104	9257	1.999	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	5574	2.362	ug/L #	92
59) Bromoform	9.75	173	2902	2.113	ug/L	98
60) Isopropylbenzene	9.95	105	14459	2.230	ug/L	100
61) 1,2,3-Trichloropropane	10.30	75	4939	2.569	ug/L #	94
62) 1,3,5-Trimethylbenzene	10.56	105	11599	2.147	ug/L	96
63) 1,2,4-Trimethylbenzene	10.94	105	11687	2.211	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	8334	2.457	ug/L	96
65) 1,4-Dichlorobenzene	11.29	146	9263	2.640	ug/L	96
67) 1,2-Dichlorobenzene	11.66	146	8757	2.523	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.45	75	1248	2.225	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.67	180	5987	2.459	ug/L	97
70) 1,2,4-trichlorobenzene	13.29	180	5055	2.207	ug/L	97
71) Naphthalene	13.53	128	9458	1.464	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	4673	2.058	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.487 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

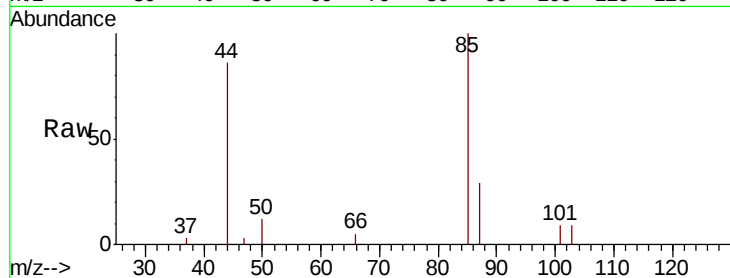
MDL-WATER-04

Tot Ion: 85 Resp: 3765

Ion Ratio Lower Upper

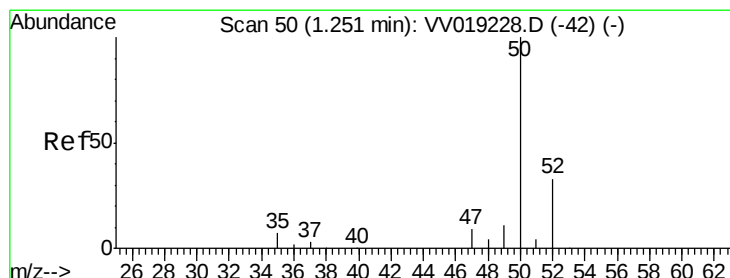
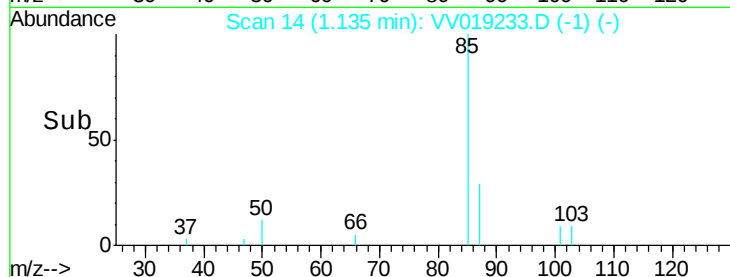
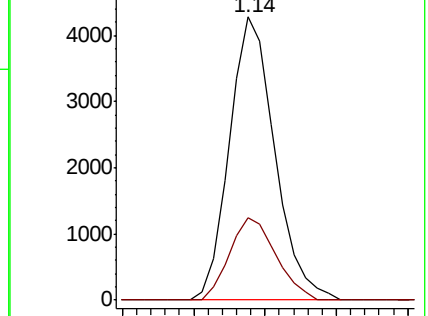
85 100

87 29.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.494 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019233.D

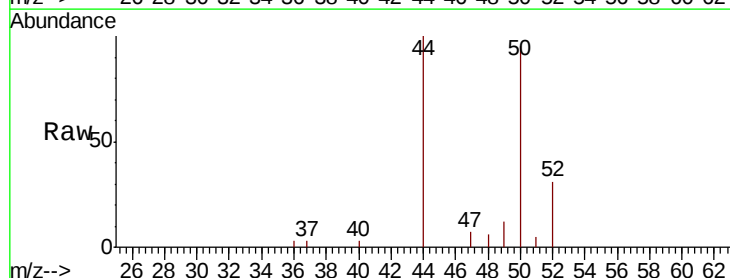
Acq: 03 Nov 2020 14:01

Tgt Ion: 50 Resp: 3931

Ion Ratio Lower Upper

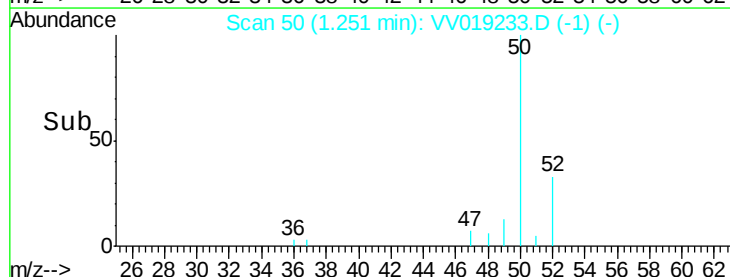
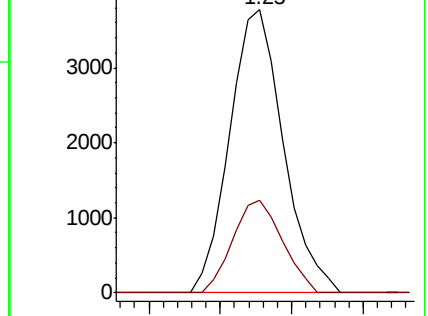
50 100

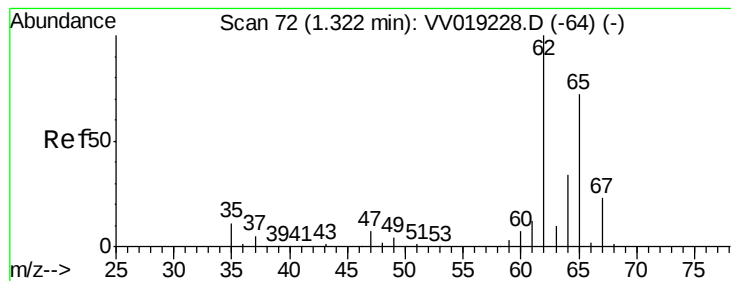
52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.754 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleID :

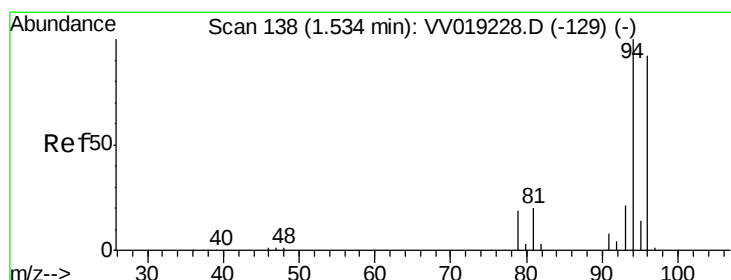
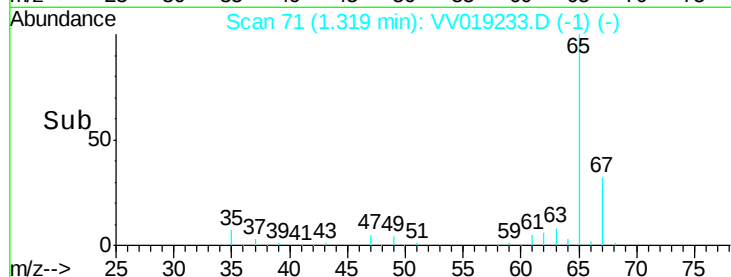
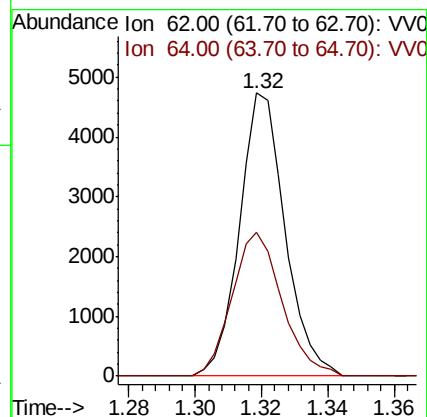
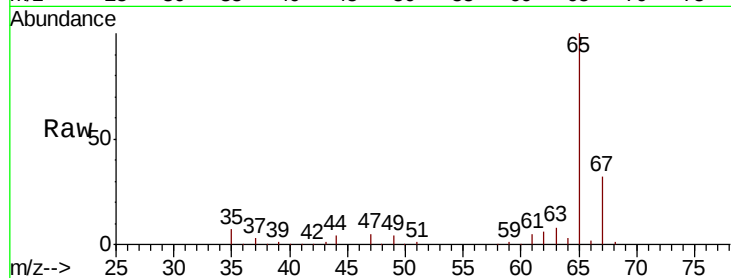
MDL-WATER-04

Tot Ion: 62 Resp: 4518

Ion Ratio Lower Upper

62 100

64 51.0 23.3 43.3#



#6

Bromomethane

Concen: 2.590 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019233.D

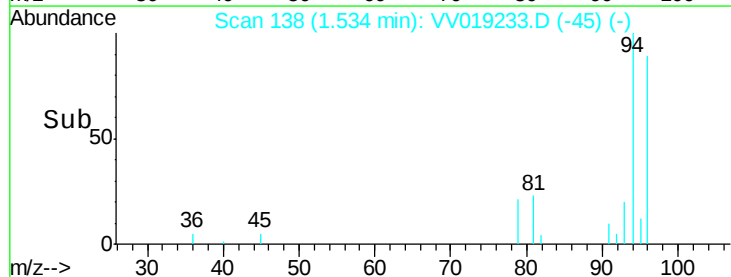
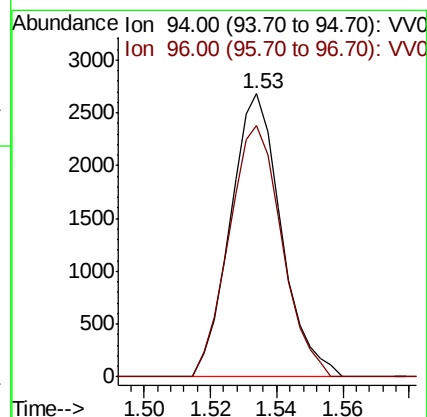
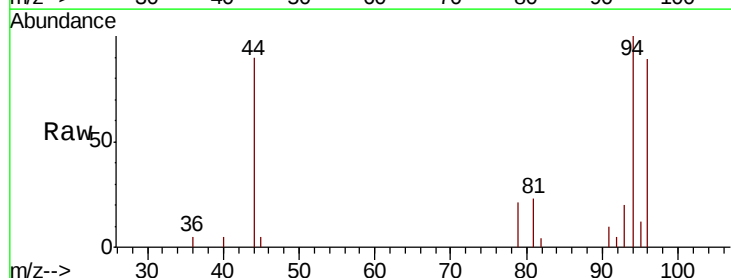
Acq: 03 Nov 2020 14:01

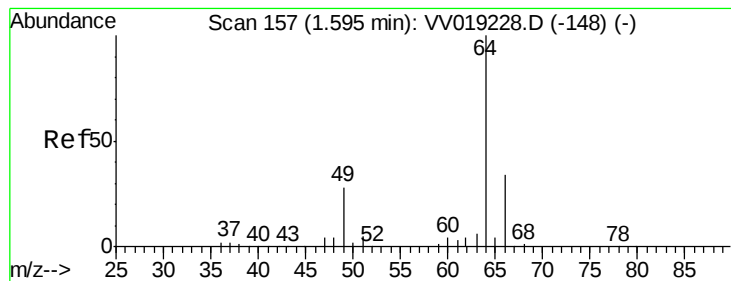
Tgt Ion: 94 Resp: 2856

Ion Ratio Lower Upper

94 100

96 88.9 66.4 123.2





#8

Chloroethane

Concen: 2.664 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

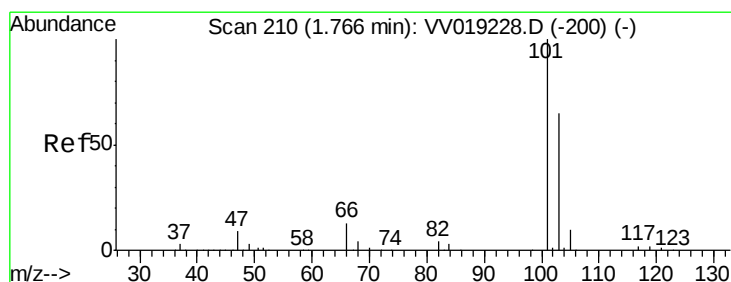
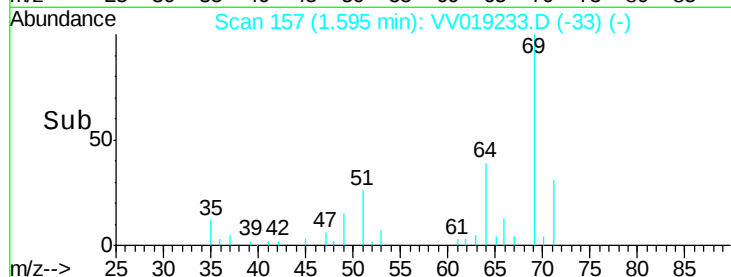
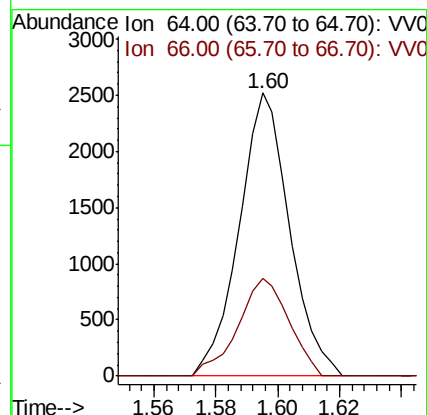
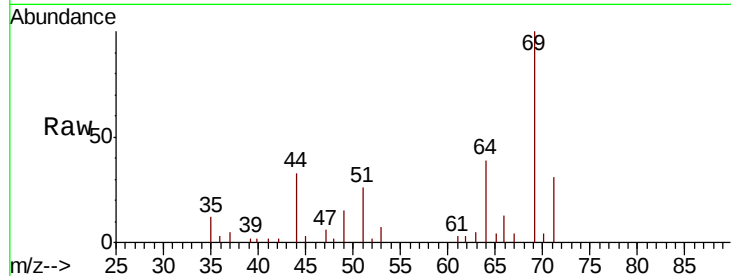
MDL-WATER-04

Tot Ion: 64 Resp: 2859

Ion Ratio Lower Upper

64 100

66 34.4 22.5 41.9



#9

Trichlorofluoromethane

Concen: 2.544 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019233.D

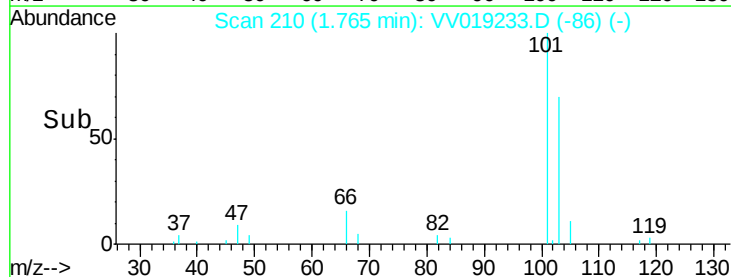
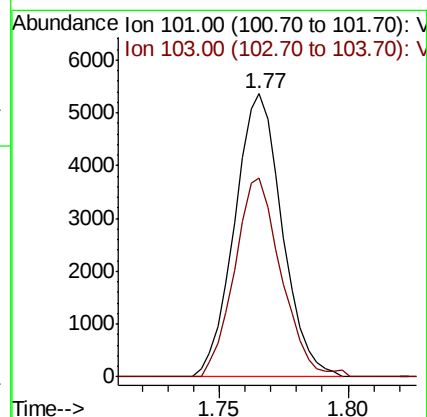
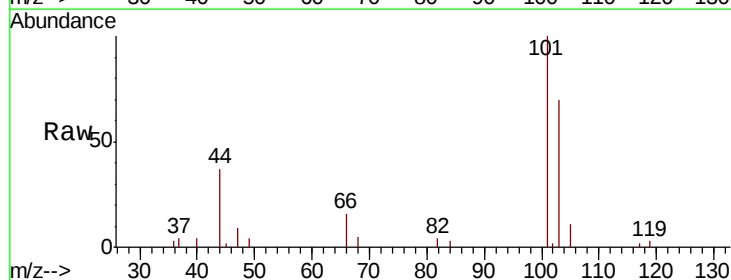
Acq: 03 Nov 2020 14:01

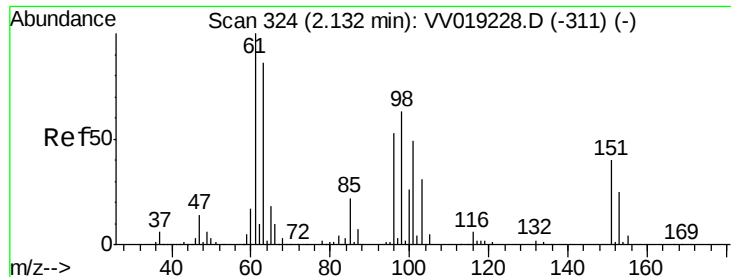
Tgt Ion: 101 Resp: 6909

Ion Ratio Lower Upper

101 100

103 68.2 52.3 78.5





#10

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

Concen: 3.665 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-04

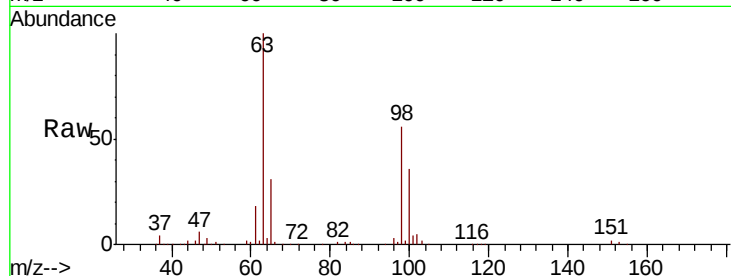
Tot Ion:101 Resp: 4730

Ion Ratio Lower Upper

101 100

85 35.5 35.6 53.4#

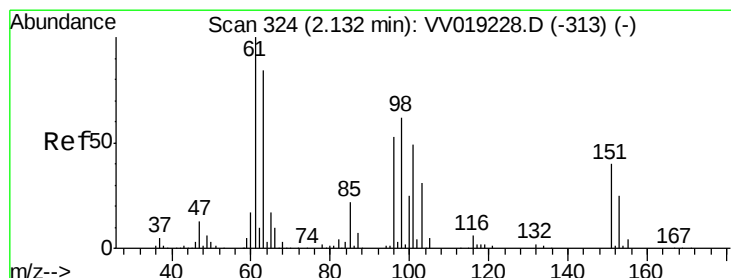
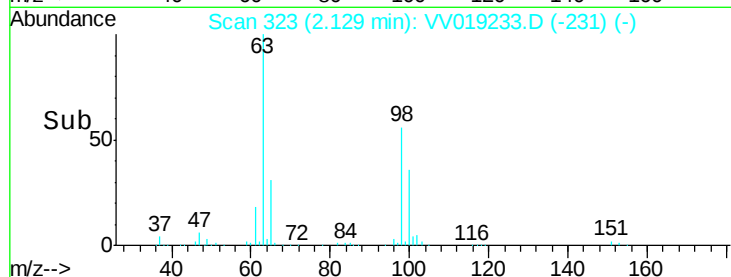
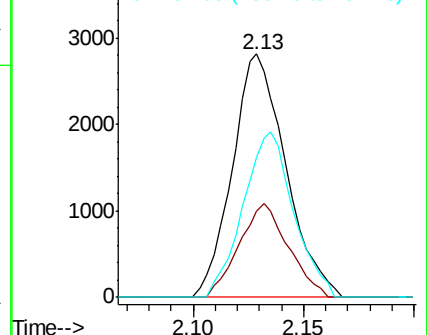
151 64.2 64.1 96.1



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: 3.138 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

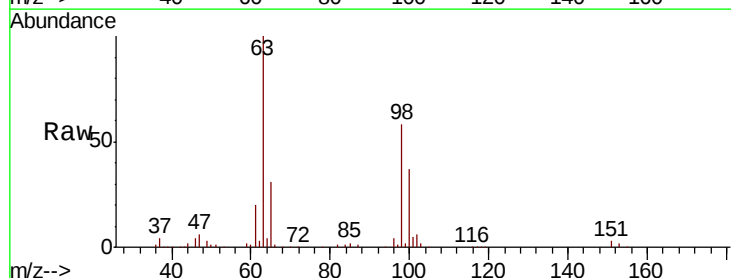
Tgt Ion: 96 Resp: 4185

Ion Ratio Lower Upper

96 100

61 436.2 133.6 248.0#

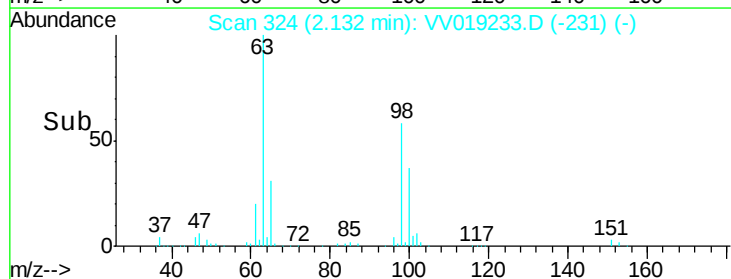
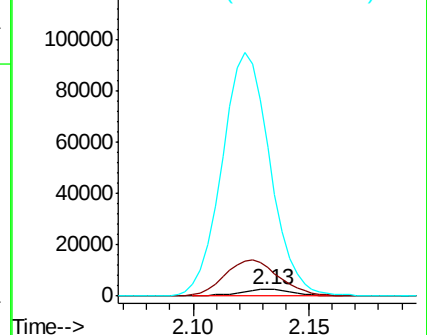
63 2236.5 103.0 191.2#

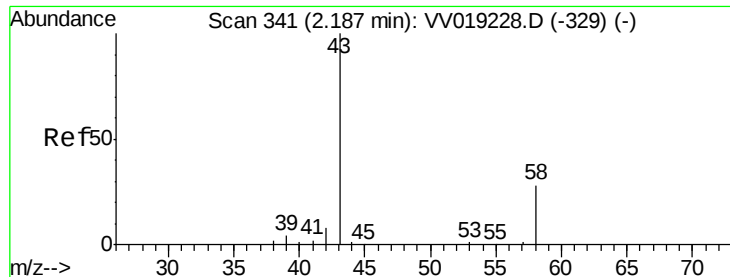


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.218 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

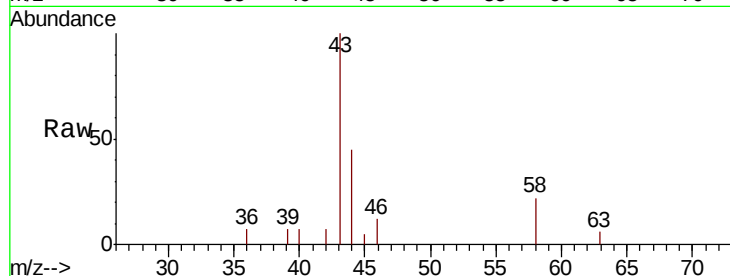
MDL-WATER-04

Tot Ion: 43 Resp: 4972

Ion Ratio Lower Upper

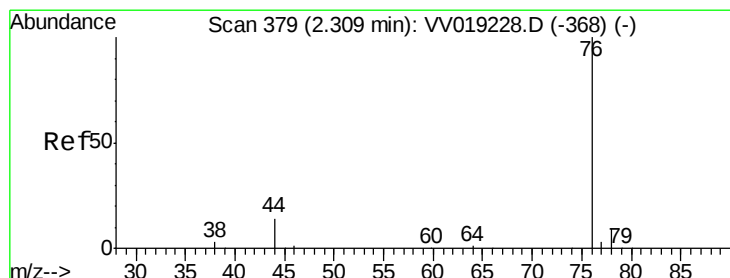
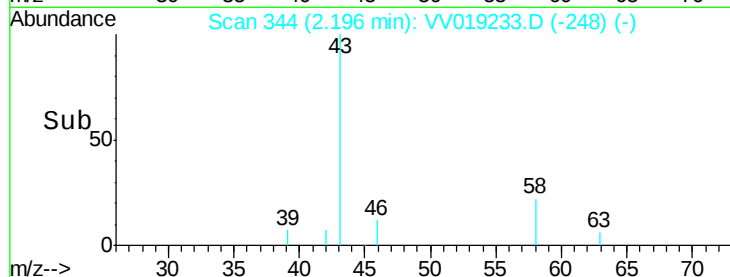
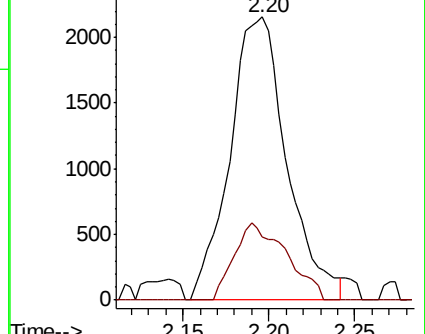
43 100

58 24.9 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.602 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019233.D

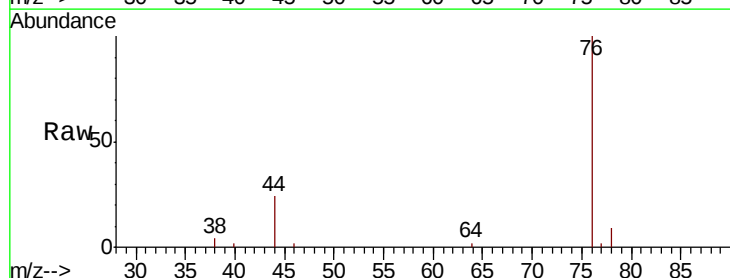
Acq: 03 Nov 2020 14:01

Tgt Ion: 76 Resp: 9966

Ion Ratio Lower Upper

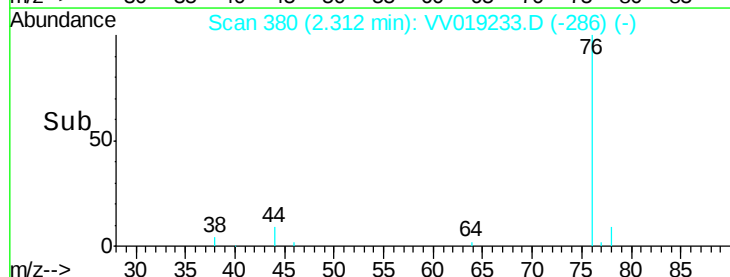
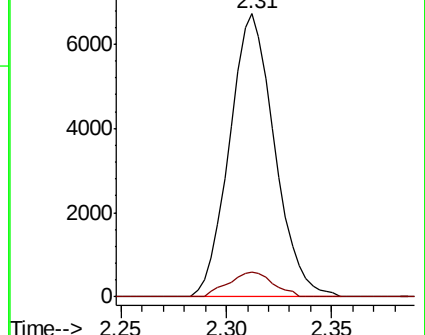
76 100

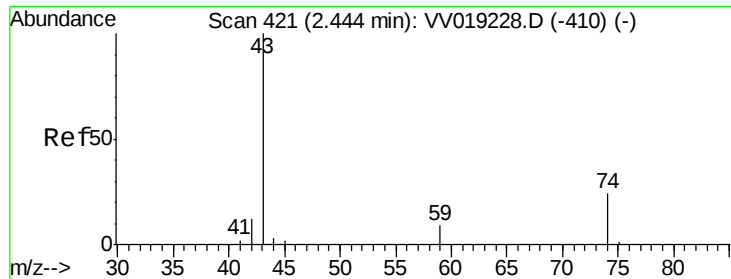
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

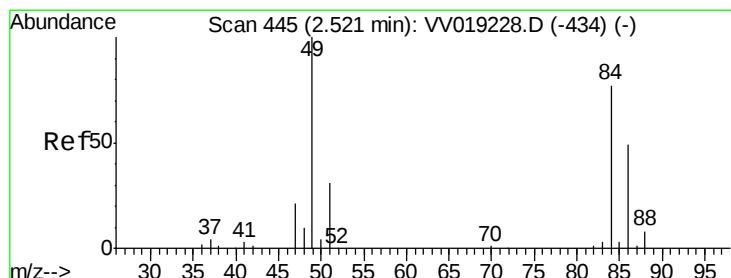
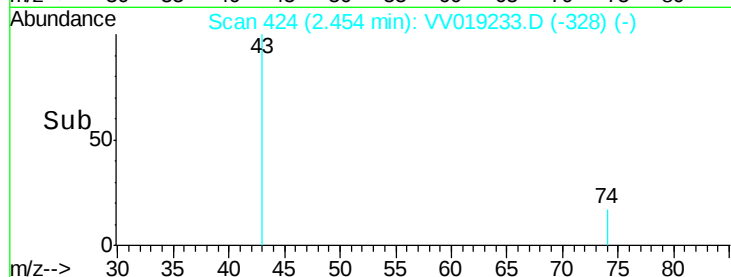
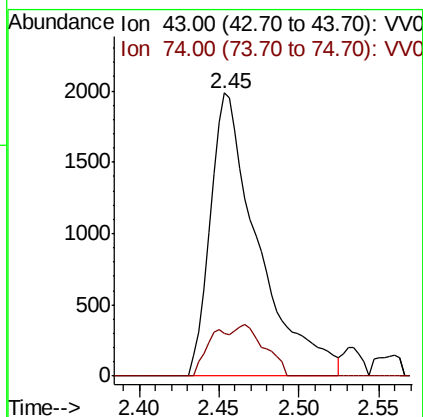
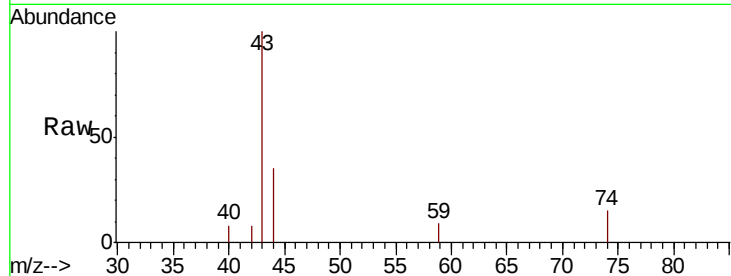




#15
Methvl Acetate
Concen: 2.654 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

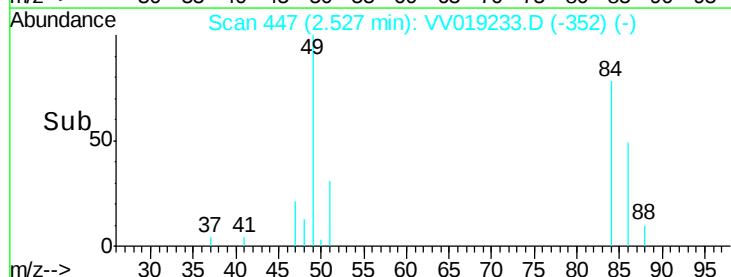
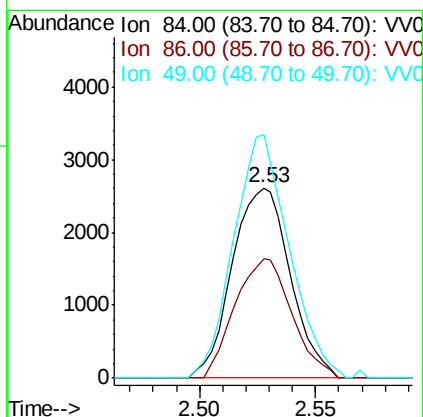
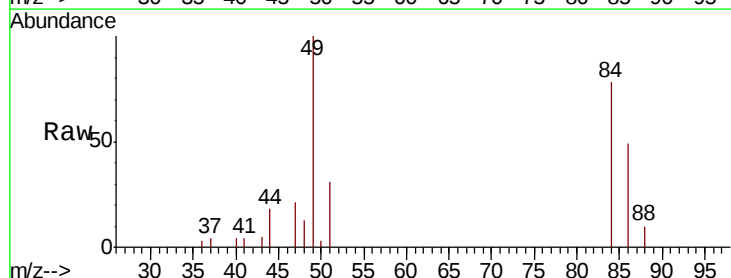
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

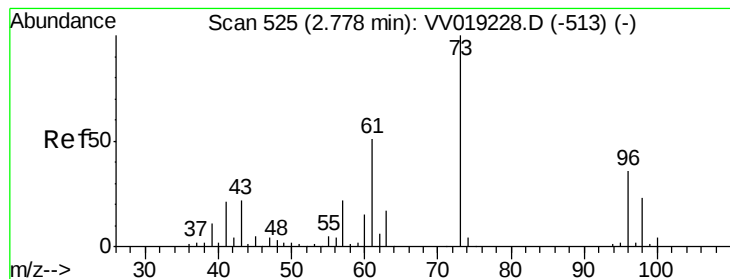
Tot Ion: 43 Resp: 4111
Ion Ratio Lower Upper
43 100
74 8.1 18.8 28.2#



#16
Methylene chloride
Concen: 2.866 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

Tgt Ion: 84 Resp: 4545
Ion Ratio Lower Upper
84 100
86 62.8 45.6 84.8
49 128.1 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 2.424 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-04

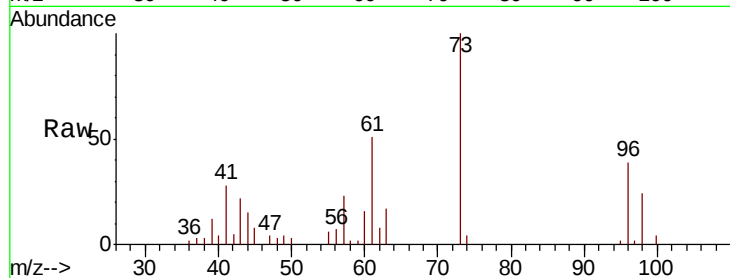
Tot Ion: 96 Resp: 3508

Ion Ratio Lower Upper

96 100

61 132.3 100.7 187.1

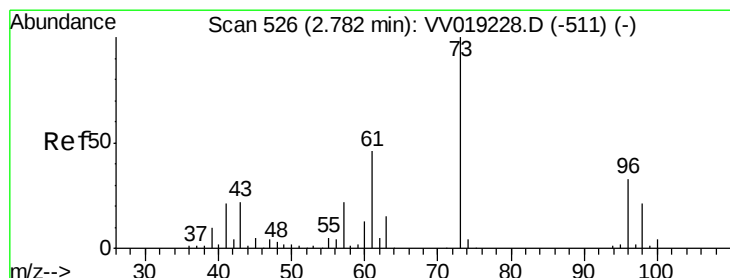
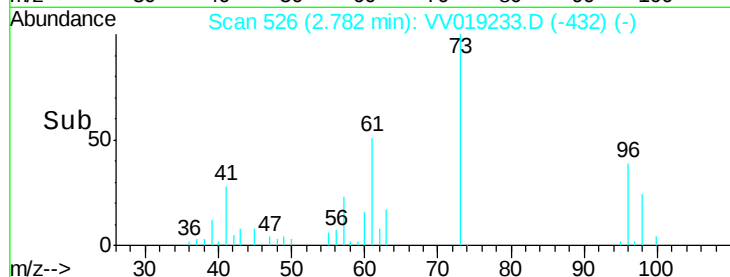
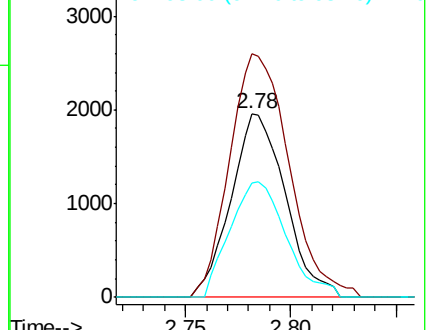
98 62.0 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VV019233.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV019233.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV019233.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 2.245 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

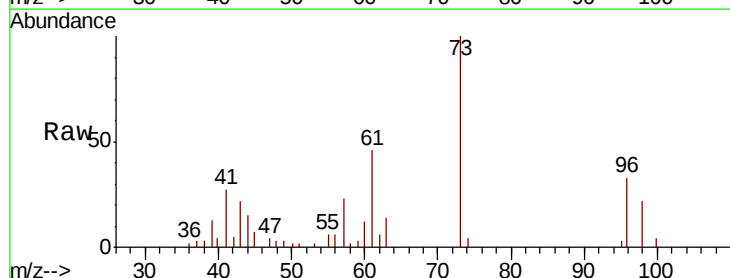
Tgt Ion: 73 Resp: 11419

Ion Ratio Lower Upper

73 100

43 23.0 17.9 26.9

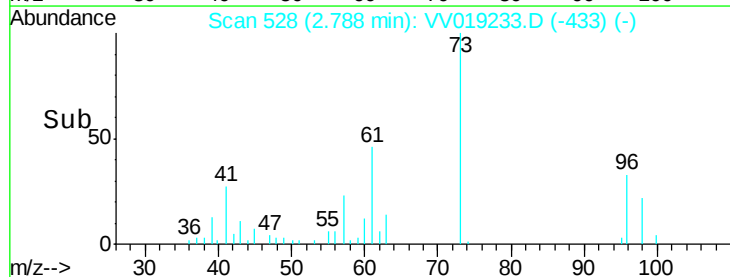
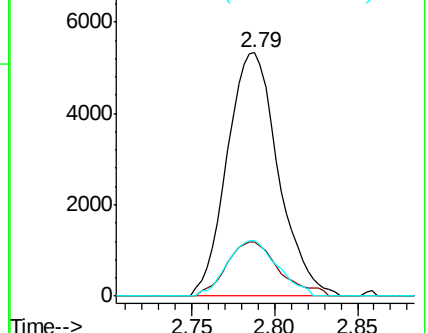
57 22.3 17.1 25.7

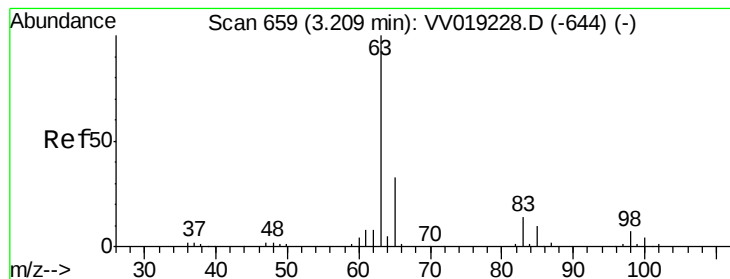


Abundance Ion 73.00 (72.70 to 73.70): VV019233.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV019233.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV019233.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 2.497 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-04

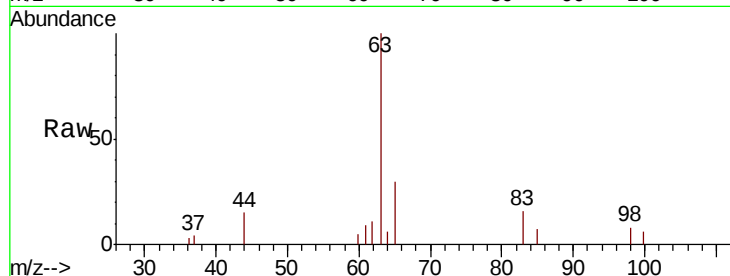
Tot Ion: 63 Resp: 7078

Ion Ratio Lower Upper

63 100

65 29.7 21.8 40.6

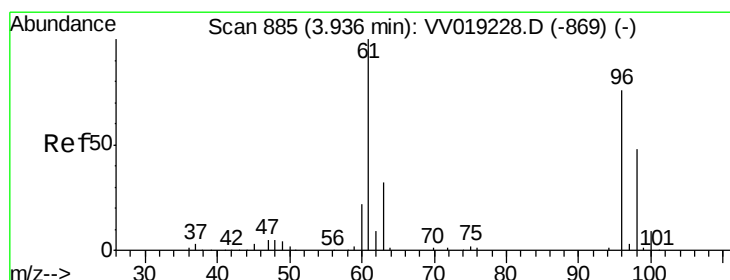
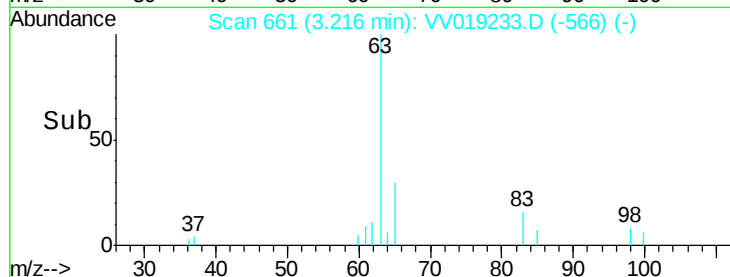
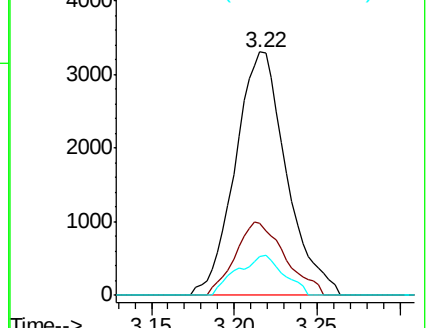
83 15.8 9.5 17.7



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: 2.526 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

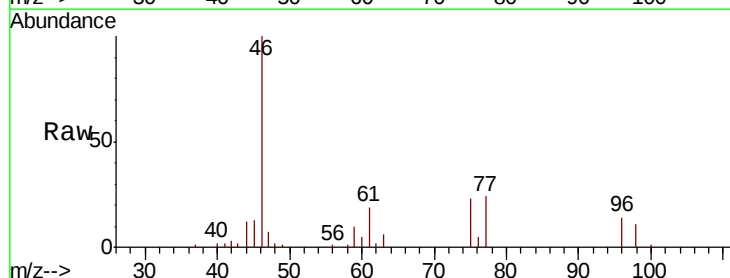
Tgt Ion: 96 Resp: 4039

Ion Ratio Lower Upper

96 100

61 130.2 95.6 177.6

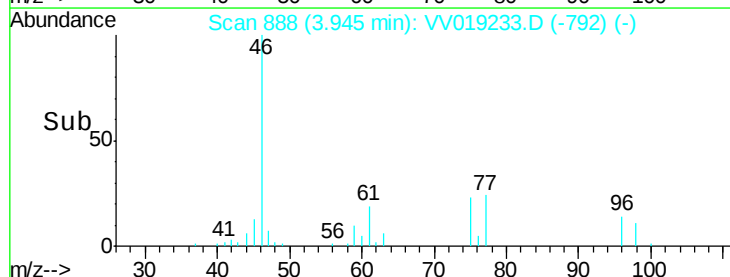
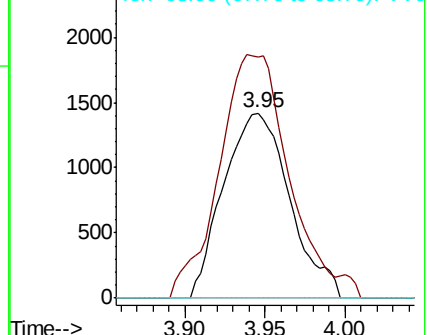
68 0.0 0.0 0.0

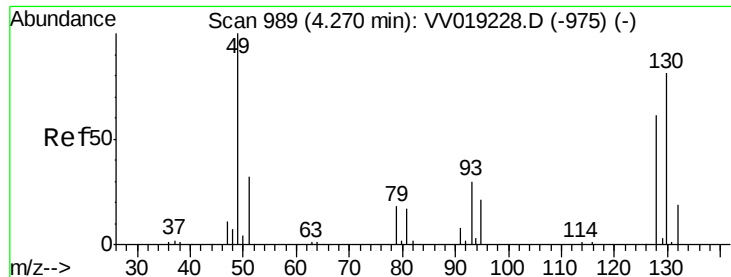


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#23

Bromochloromethane

Concen: 2.178 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.02 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-04

Tot Ion:128 Resp: 1918

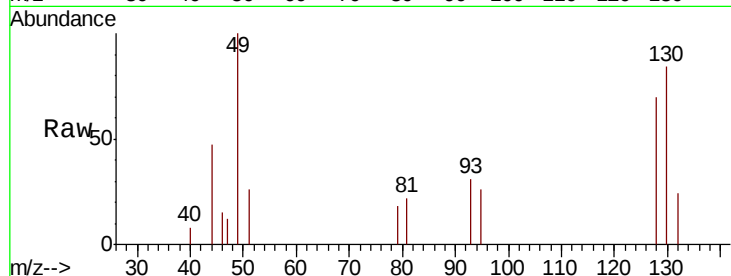
Ion Ratio Lower Upper

128 100

49 142.4 108.8 202.2

130 119.4 88.5 164.3

51 36.5 37.8 56.6#

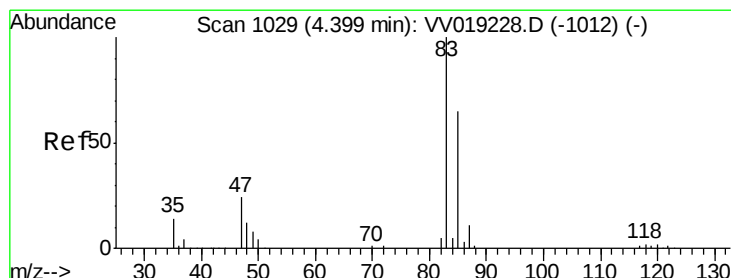
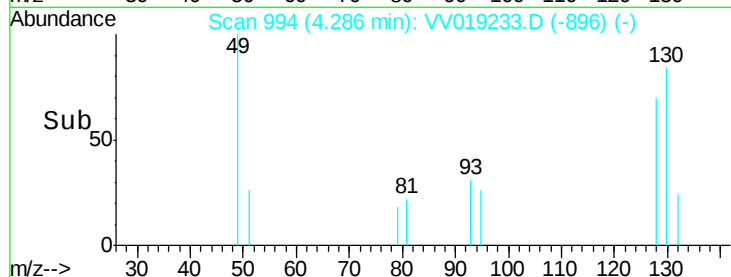
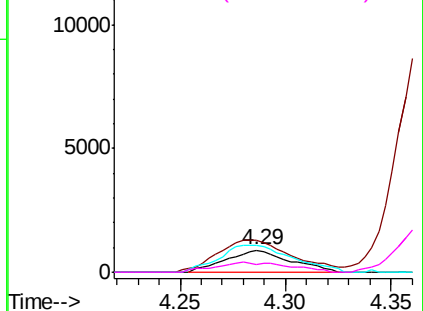


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 2.762 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV019233.D

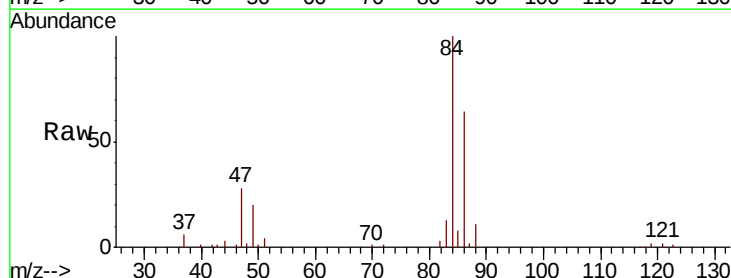
Acq: 03 Nov 2020 14:01

Tgt Ion: 83 Resp: 8396

Ion Ratio Lower Upper

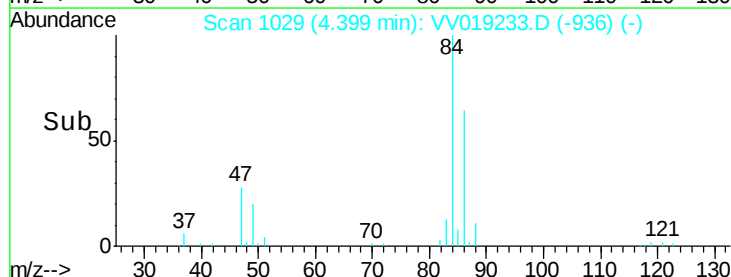
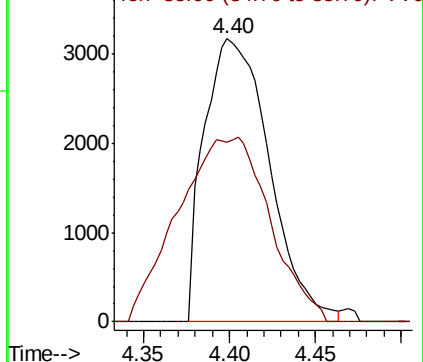
83 100

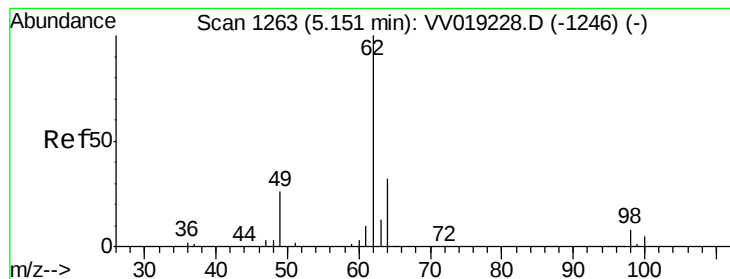
85 63.4 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 2.483 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

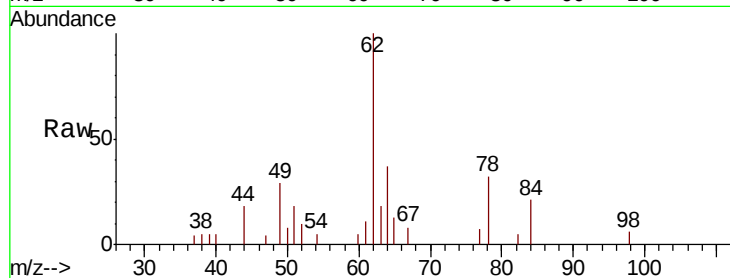
MDL-WATER-04

Tot Ion: 62 Resp: 6415

Ion Ratio Lower Upper

62 100

98 6.3 6.8 10.2#



Abundance Ion 62.00 (61.70 to 62.70): VV019233.D (-1170) (-)

Ion 98.00 (97.70 to 98.70): VV019233.D (-1170) (-)

5.16

3000

2500

2000

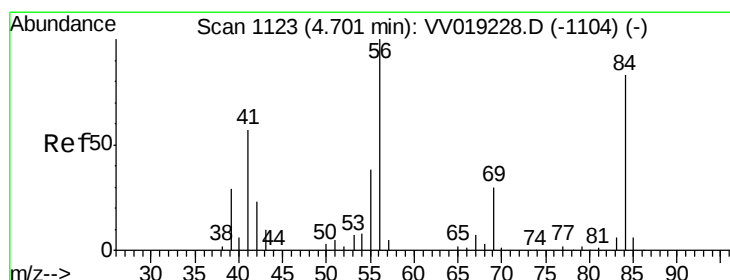
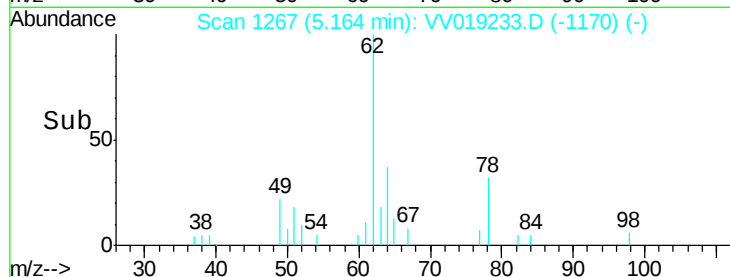
1500

1000

500

0

Time-->



#29

Cyclohexane

Concen: 2.491 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

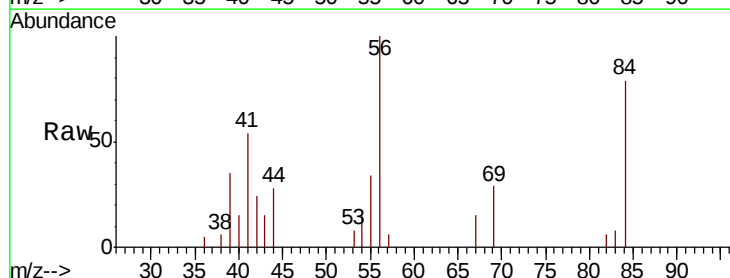
Tgt Ion: 56 Resp: 5071

Ion Ratio Lower Upper

56 100

69 18.7 24.6 36.8#

84 90.2 70.5 105.7



Abundance Ion 56.00 (55.70 to 56.70): VV019233.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV019233.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV019233.D (-1030) (-)

4.70

2500

2000

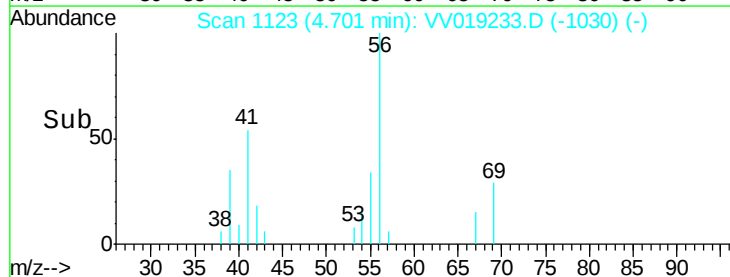
1500

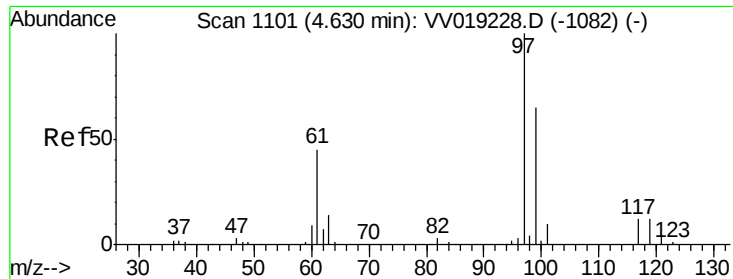
1000

500

0

Time-->

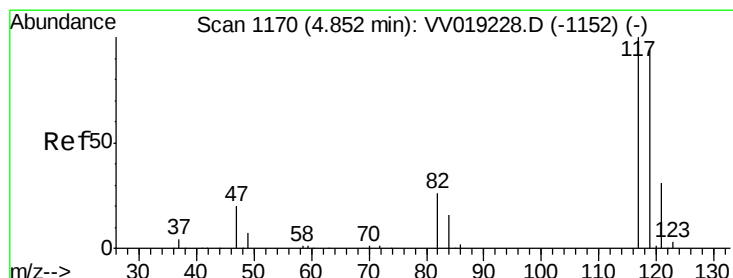
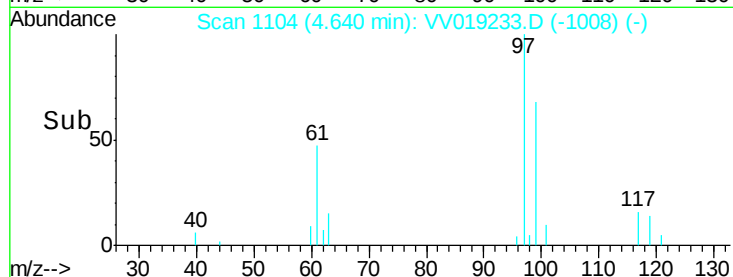
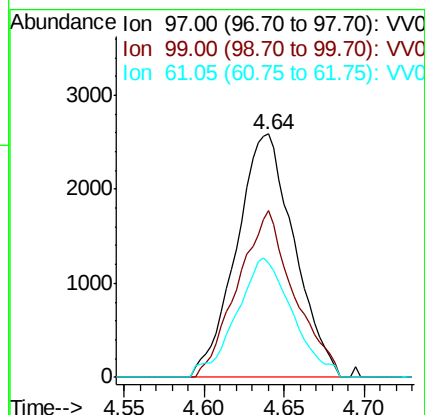
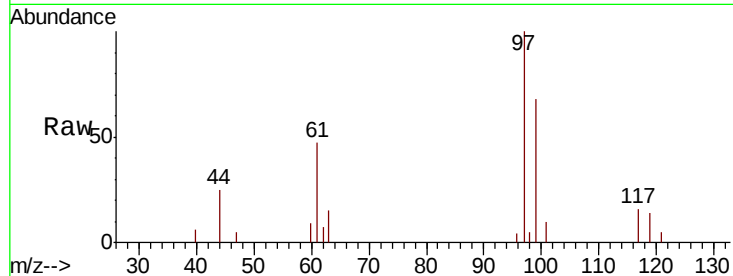




#30
 1,1,1-Trichloroethane
 Concen: 2.327 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VV019233.D
 Acq: 03 Nov 2020 14:01

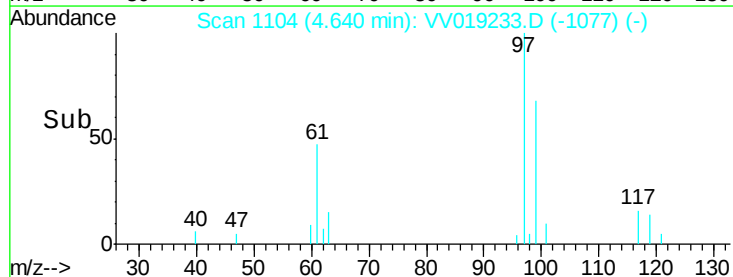
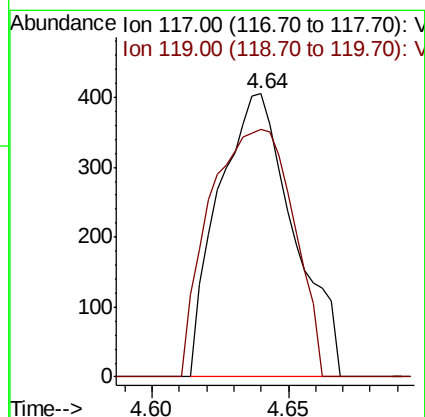
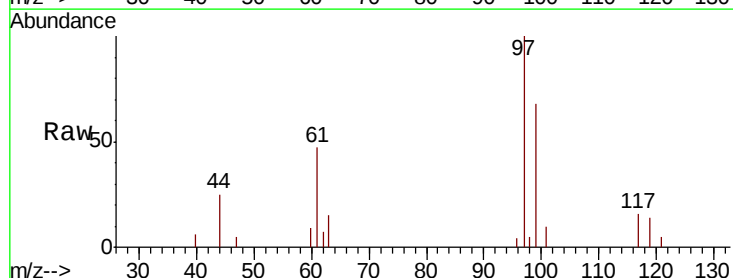
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

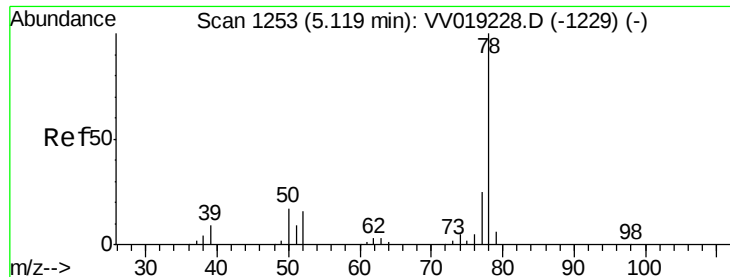
Tot Ion: 97 Resp: 6421
 Ion Ratio Lower Upper
 97 100
 99 66.7 52.0 78.0
 61 47.6 35.3 52.9



#31
 Carbon tetrachloride
 Concen: 0.324 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. -0.21 min
 Lab File: VV019233.D
 Acq: 03 Nov 2020 14:01

Tgt Ion: 117 Resp: 772
 Ion Ratio Lower Upper
 117 100
 119 97.8 77.8 116.6





#33

Benzene

Concen: 2.384 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

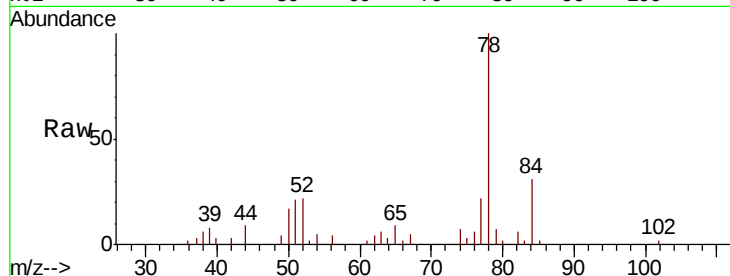
Instrument :

MSVOA_V

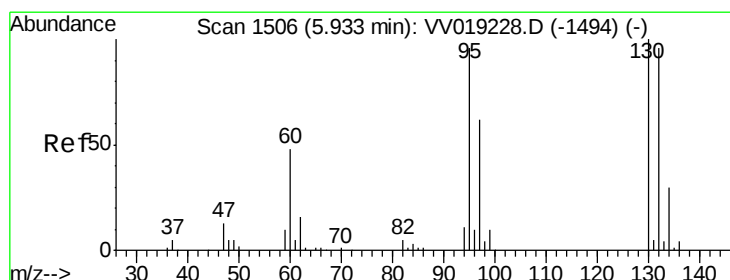
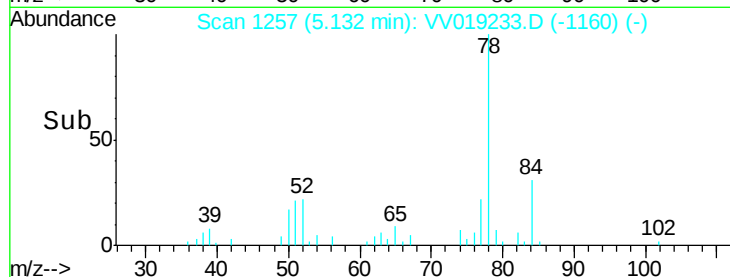
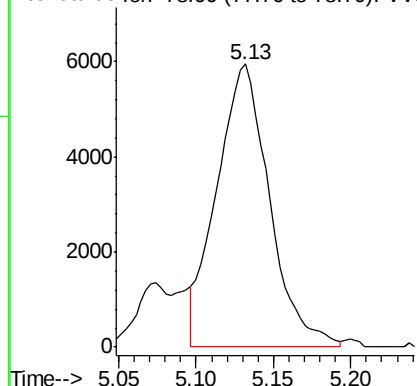
ClientSampleId :

MDL-WATER-04

Tgt Ion: 78 Resp: 14096



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.427 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Tgt Ion: 95 Resp: 3899

Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.4	84.4
132	98.6	68.5	127.3
130	111.6	72.0	133.6

95 100

97 65.0 45.4 84.4

132 98.6 68.5 127.3

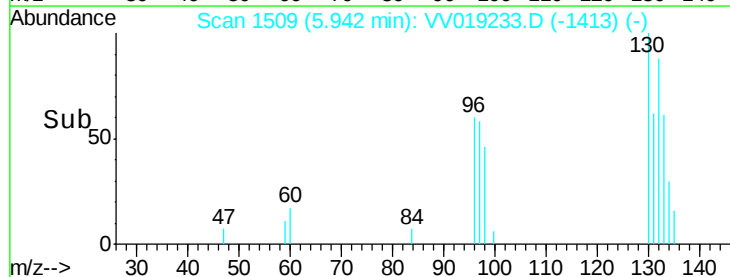
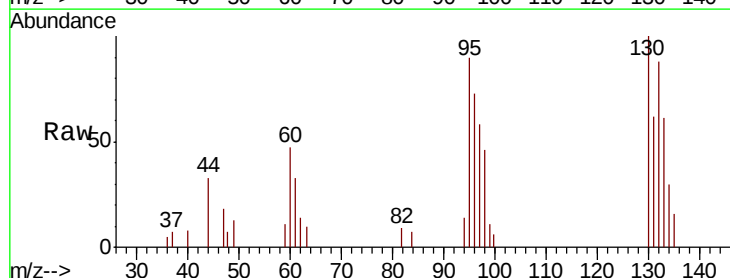
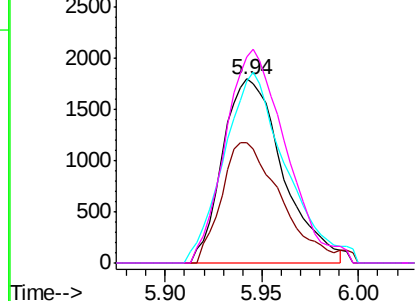
130 111.6 72.0 133.6

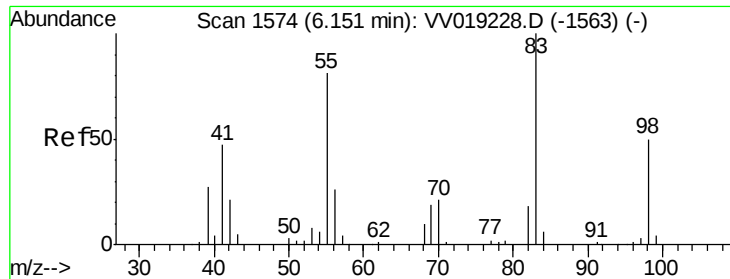
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

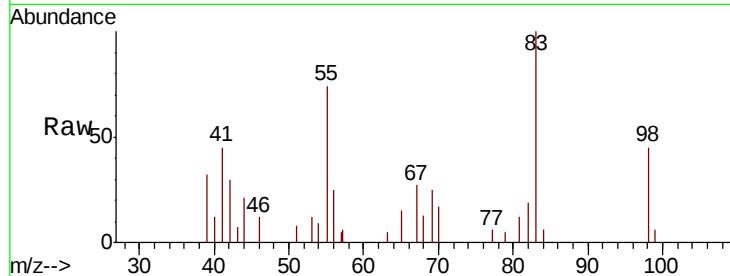




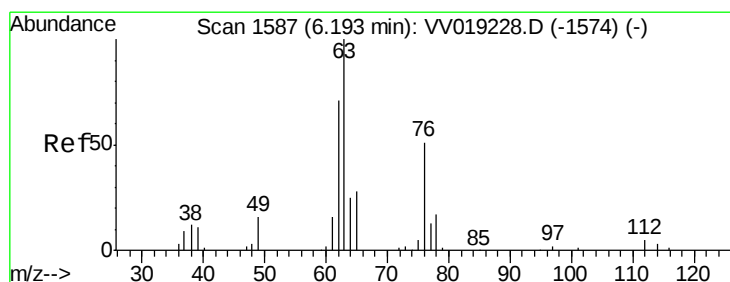
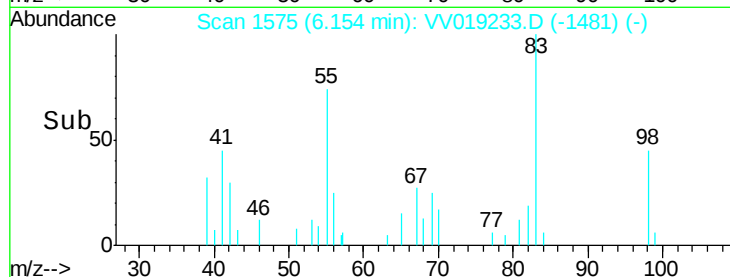
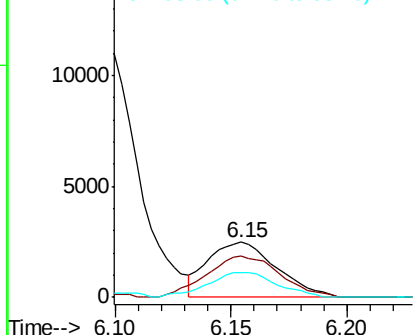
#35
Methvlcvclohexane
Concen: 2.634 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

Tot Ion: 83 Resp: 5123
Ion Ratio Lower Upper
83 100
55 80.4 62.8 94.2
98 45.5 38.6 58.0

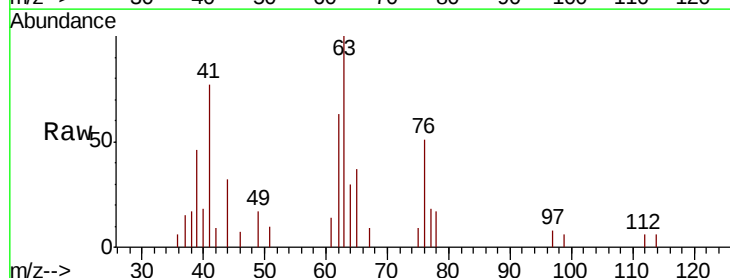


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

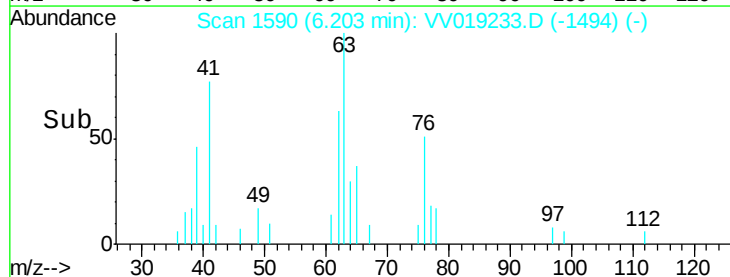
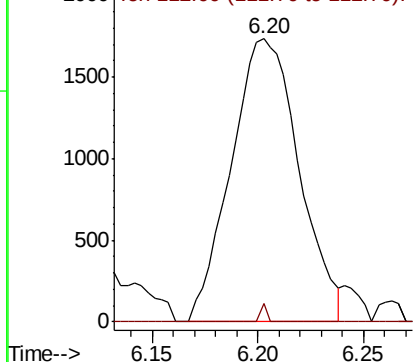


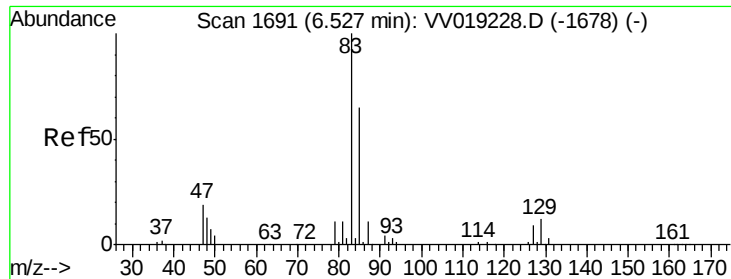
#37
1,2-Dichloropropane
Concen: 2.466 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

Tgt Ion: 63 Resp: 3891
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

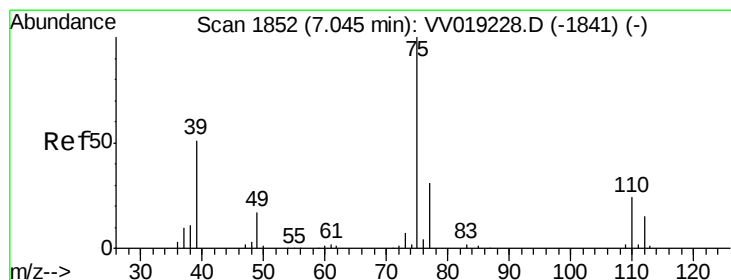
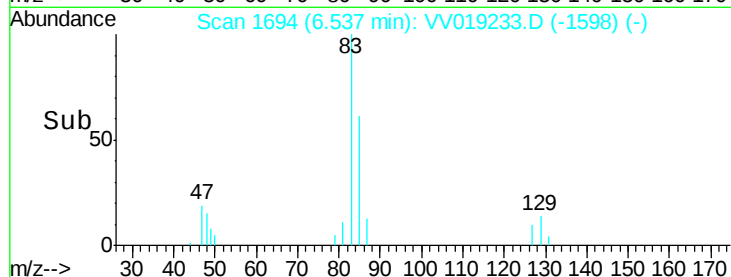
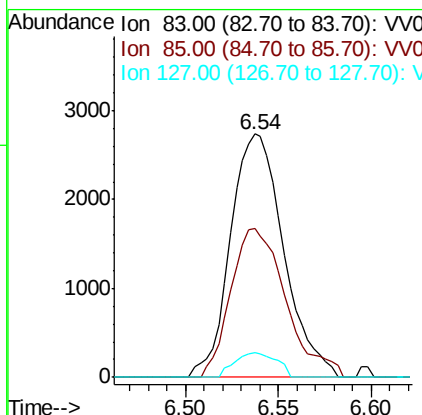
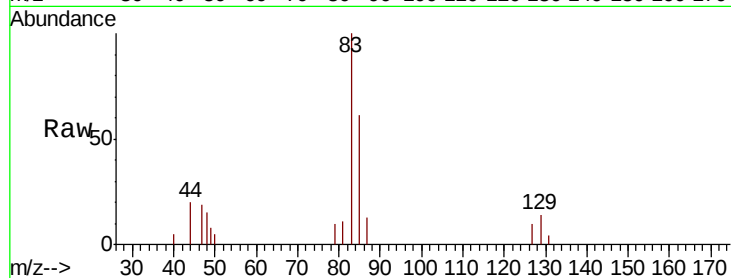




#38
Bromodichloromethane
Concen: 2.400 ug/L
RT: 6.54 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

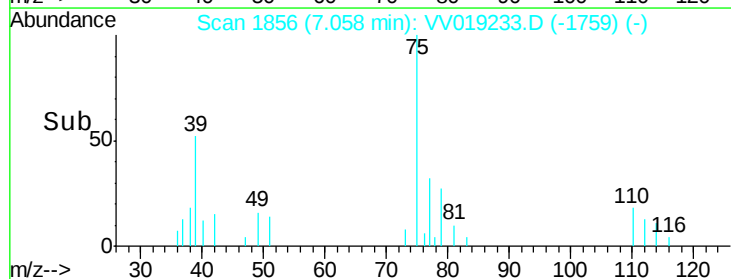
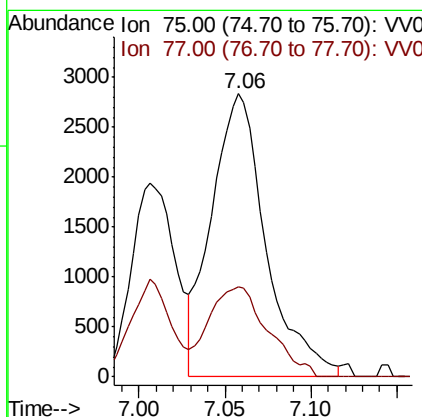
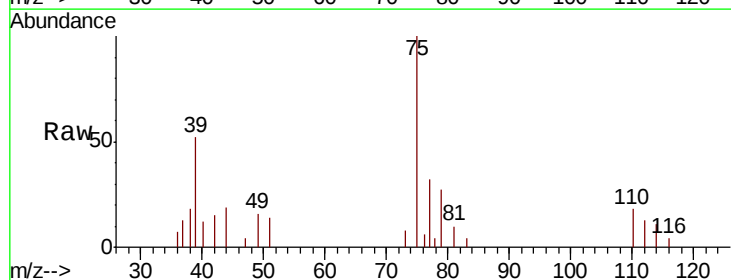
Instrument :
MSVOA_V
ClientSampled :
MDL-WATER-04

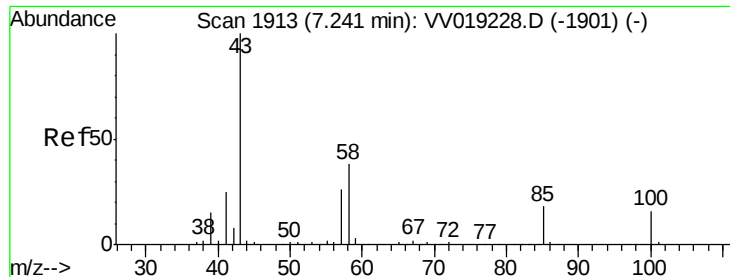
Tot Ion: 83 Resp: 5450
Ion Ratio Lower Upper
83 100
85 61.2 44.0 81.8
127 10.2 7.3 10.9



#39
cis-1,3-Dichloropropene
Concen: 2.480 ug/L
RT: 7.06 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

Tgt Ion: 75 Resp: 6263
Ion Ratio Lower Upper
75 100
77 31.7 22.2 41.2

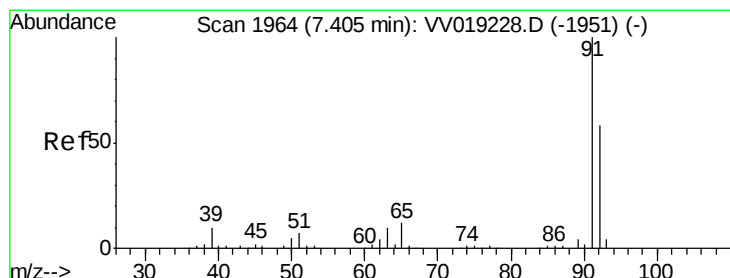
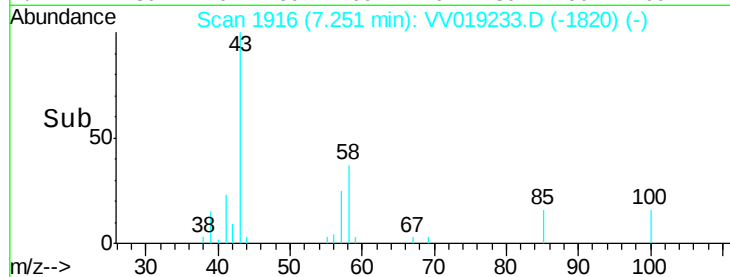
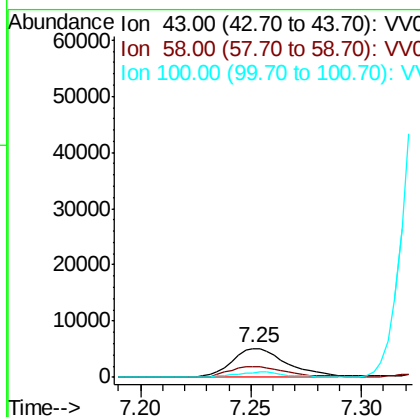
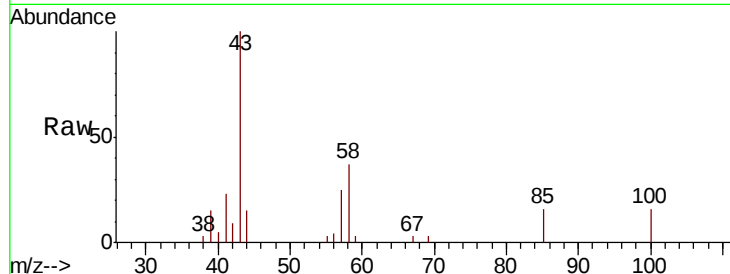




#40
4-Methyl-2-pentanone
Concen: 4.231 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

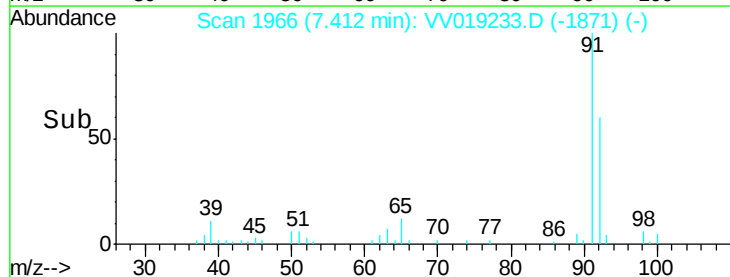
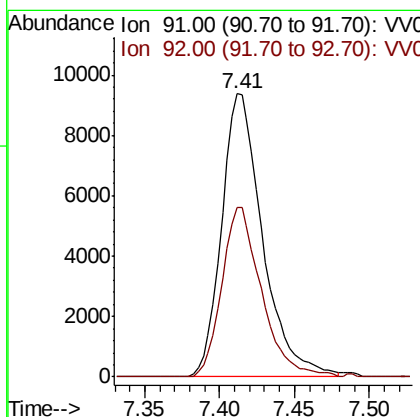
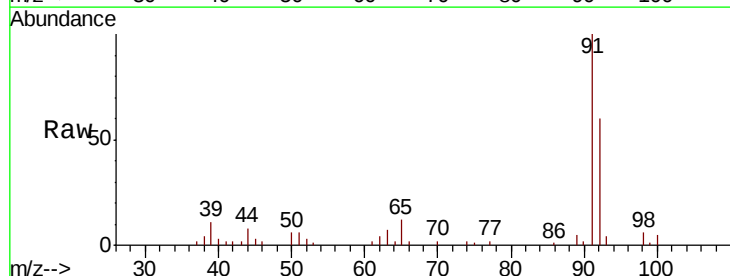
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

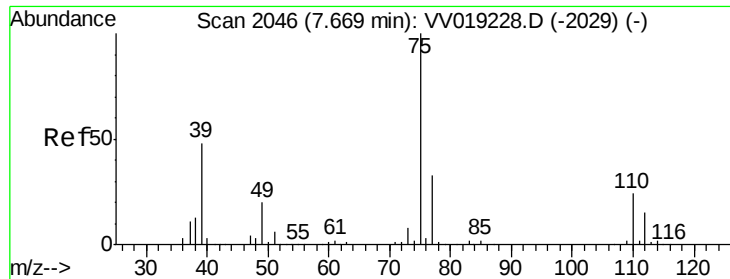
Tot Ion: 43 Resp: 8970
Ion Ratio Lower Upper
43 100
58 40.1 30.5 45.7
100 16.6 12.7 19.1



#42
Toluene
Concen: 2.797 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

Tgt Ion: 91 Resp: 17874
Ion Ratio Lower Upper
91 100
92 60.0 40.6 75.4

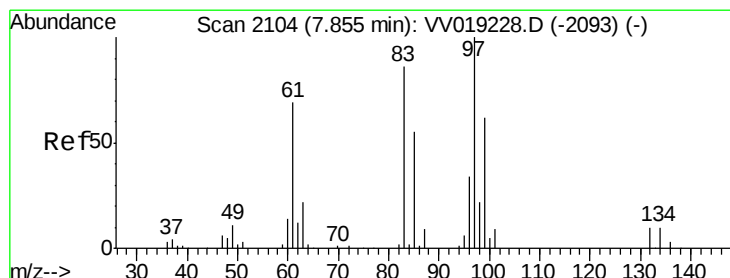
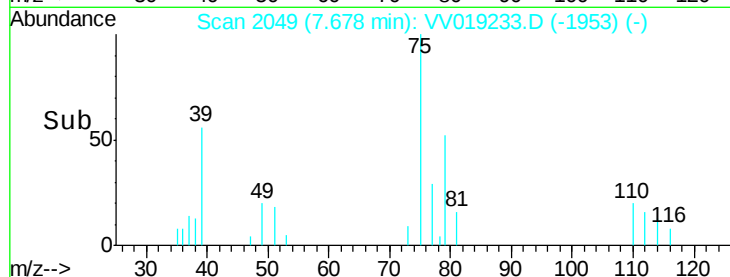
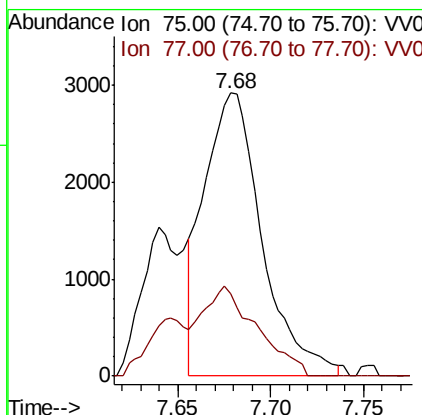
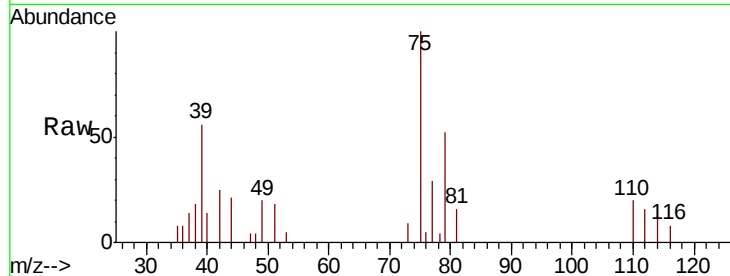




#44
trans-1,3-Dichloropropene
Concen: 2.439 ug/L
RT: 7.68 min Scan# 2049
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

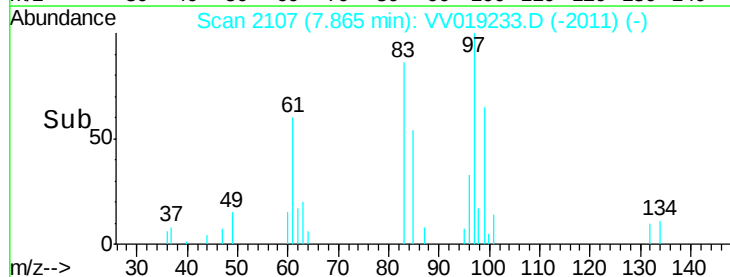
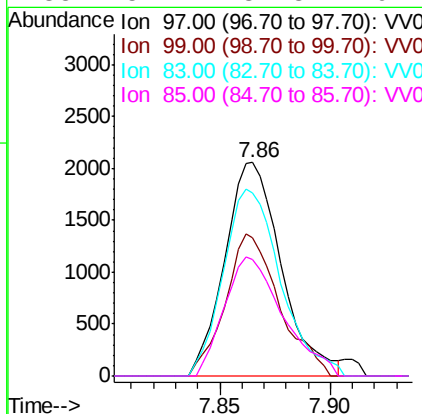
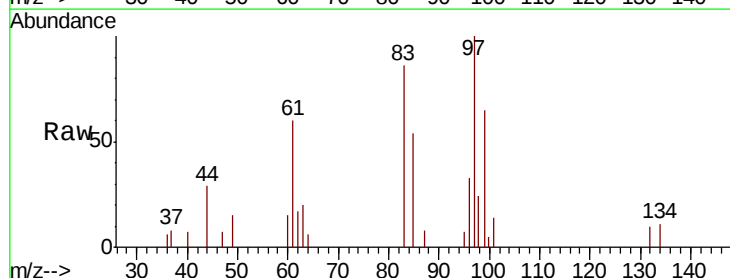
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

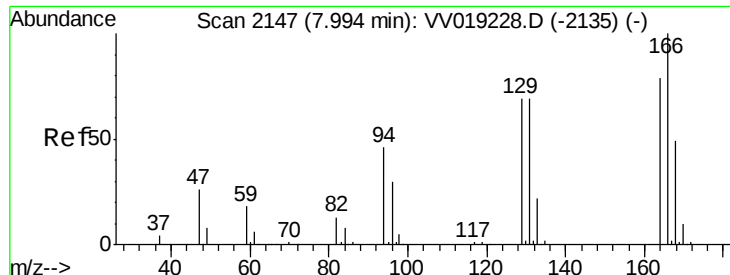
Tot Ion: 75 Resp: 6310
Ion Ratio Lower Upper
75 100
77 29.1 21.6 40.2



#45
1,1,2-Trichloroethane
Concen: 2.345 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

Tgt Ion: 97 Resp: 3658
Ion Ratio Lower Upper
97 100
99 64.6 45.1 83.9
83 85.6 57.6 107.0
85 54.4 37.8 70.2





#46

Tetrachloroethene

Concen: 2.586 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-04

Tot Ion:164 Resp: 3391

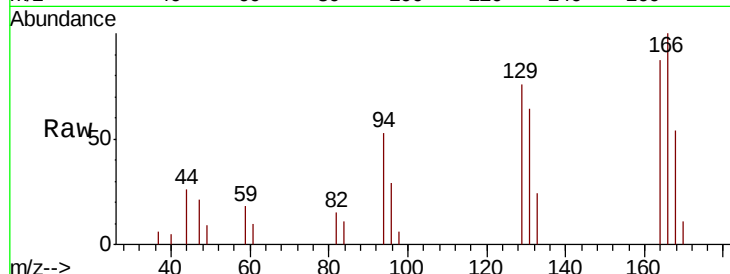
Ion Ratio Lower Upper

164 100

129 87.3 62.6 116.3

131 73.8 59.0 109.6

166 114.7 88.0 163.4

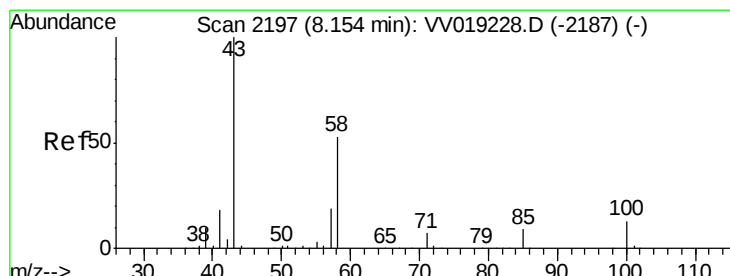
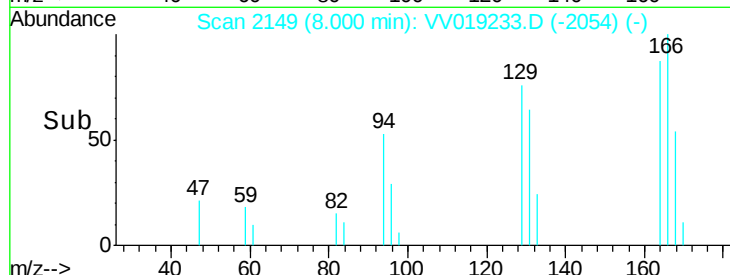
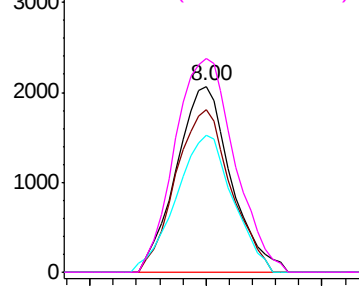


Abundance Ion 164.00 (163.70 to 164.70): V

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: 6.236 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Tgt Ion: 43 Resp: 9995

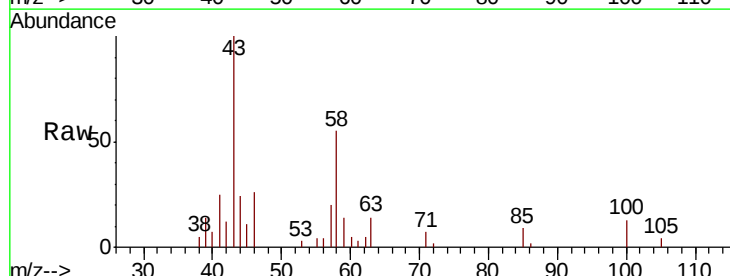
Ion Ratio Lower Upper

43 100

58 45.6 42.6 63.8

57 13.4 15.8 23.8#

100 11.4 10.4 15.6

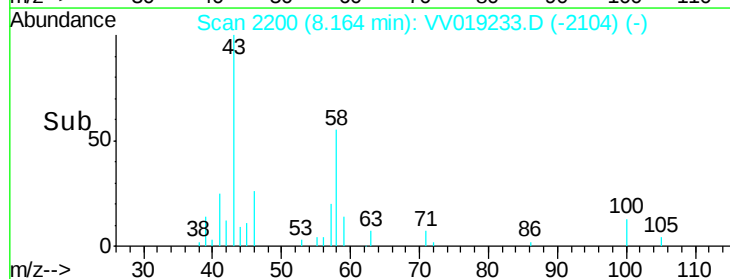
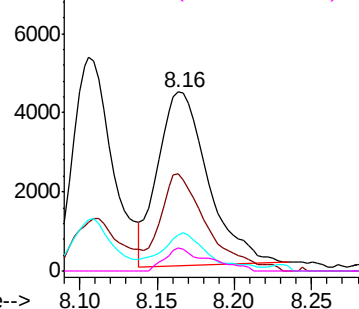


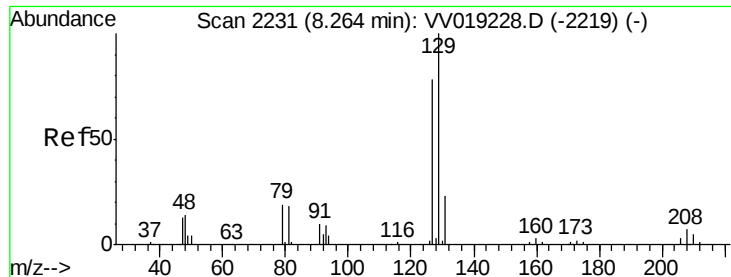
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 2.204 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

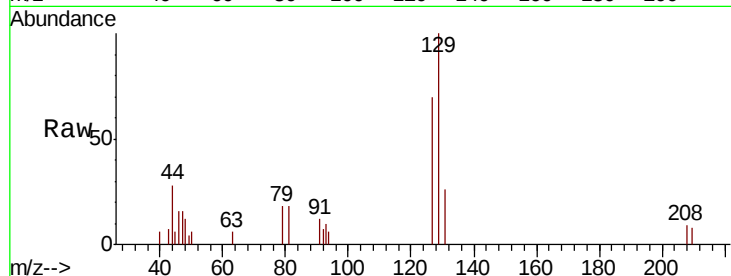
MDL-WATER-04

Tot Ion:129 Resp: 4100

Ion Ratio Lower Upper

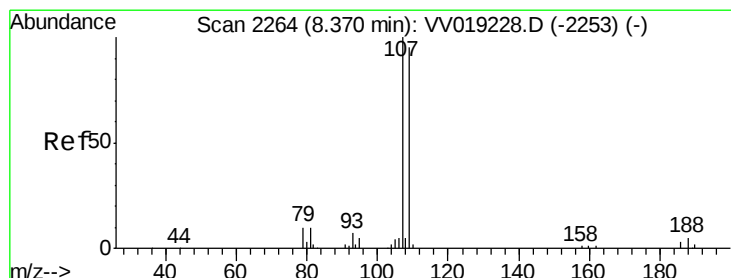
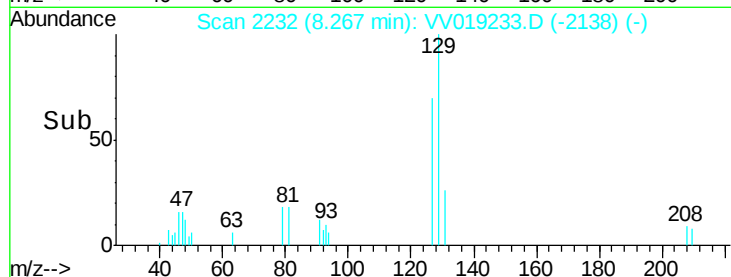
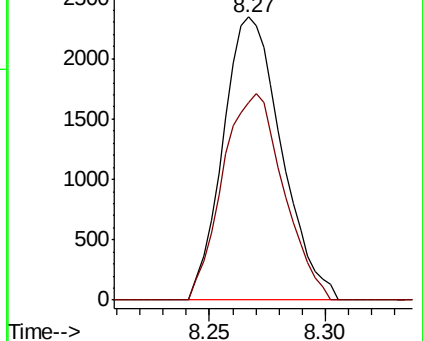
129 100

127 69.8 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.421 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

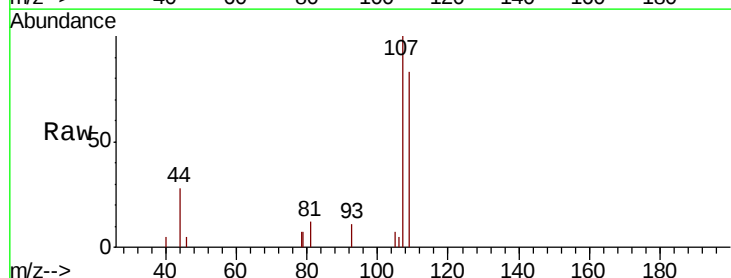
Tgt Ion:107 Resp: 3914

Ion Ratio Lower Upper

107 100

109 83.4 64.8 120.4

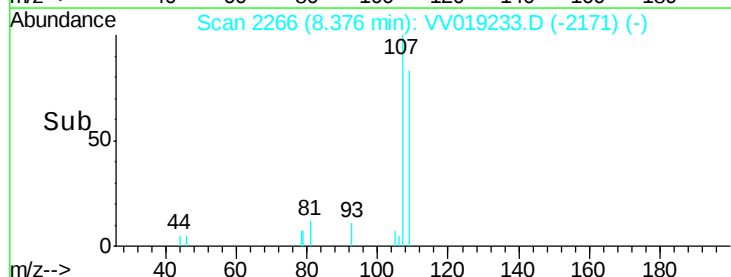
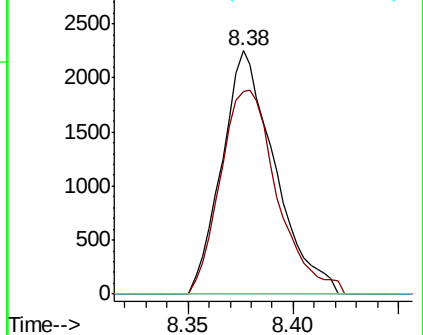
188 0.0 3.8 5.8#

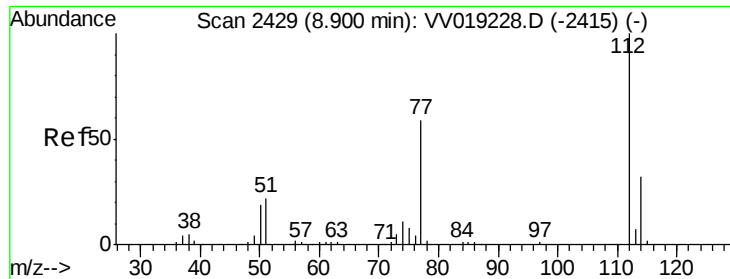


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

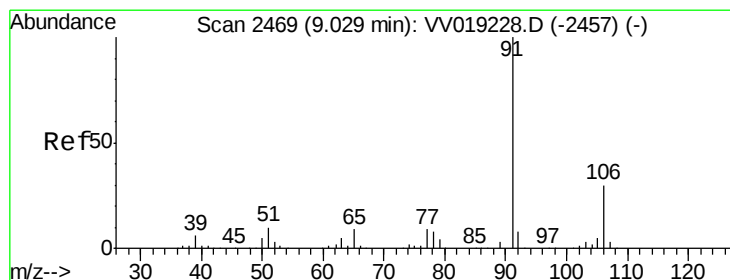
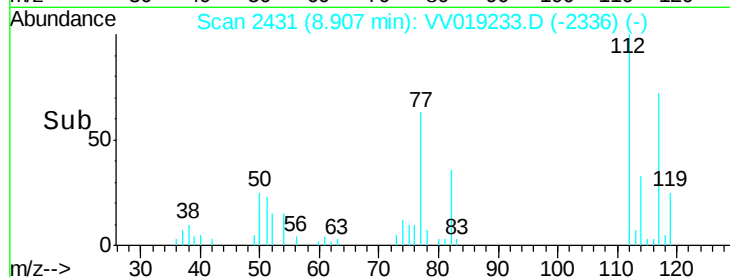
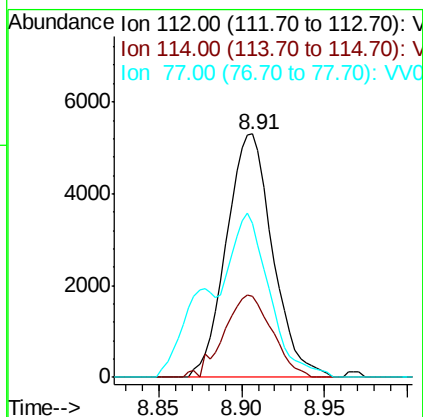
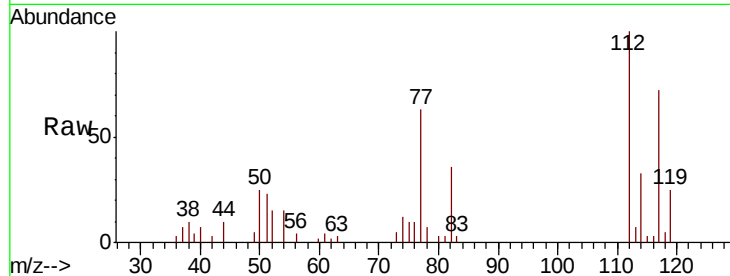




#51
Chlorobenzene
Concen: 2.406 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

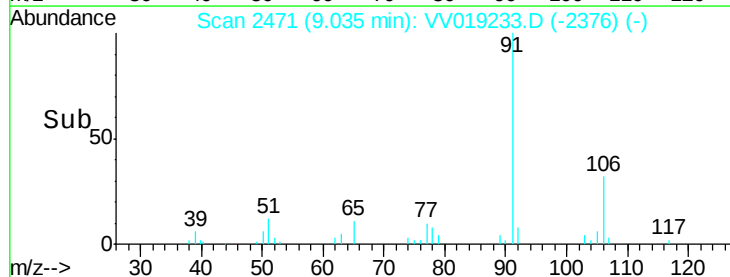
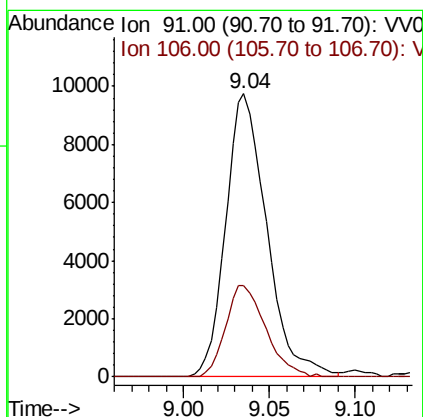
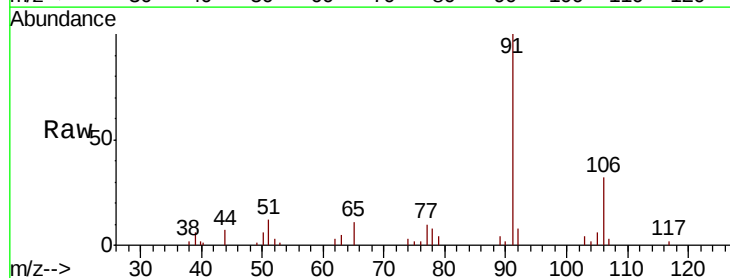
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

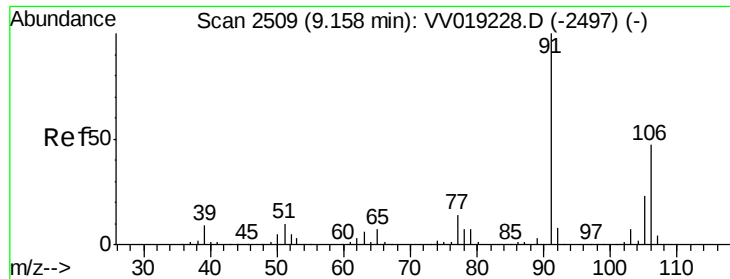
Tot Ion:112 Resp: 10285
Ion Ratio Lower Upper
112 100
114 33.4 22.7 42.1
77 63.5 47.3 70.9



#52
Ethylbenzene
Concen: 2.306 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.01 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

Tgt Ion: 91 Resp: 16261
Ion Ratio Lower Upper
91 100
106 32.4 21.6 40.0

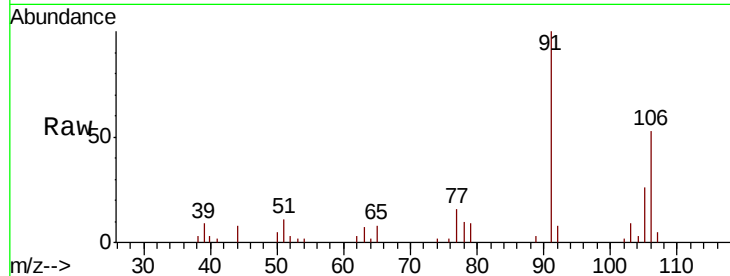




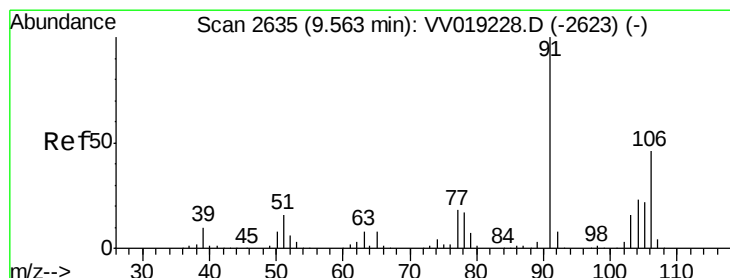
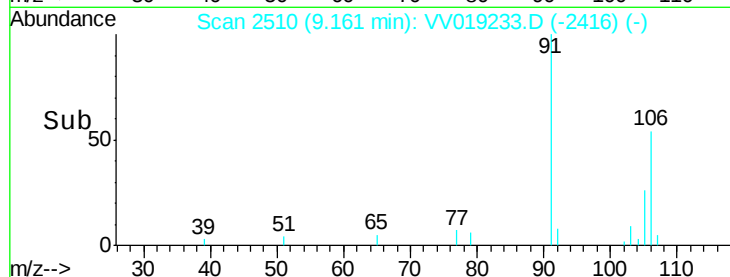
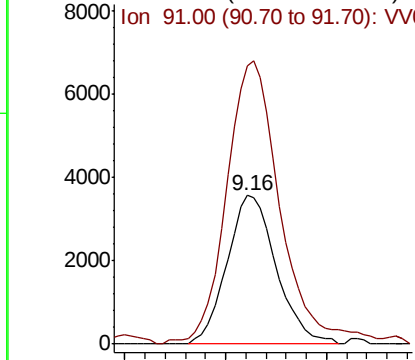
#53
m,p-Xylene
Concen: 2.310 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

Tot Ion:106 Resp: 6099
Ion Ratio Lower Upper
106 100
91 187.6 147.2 273.4

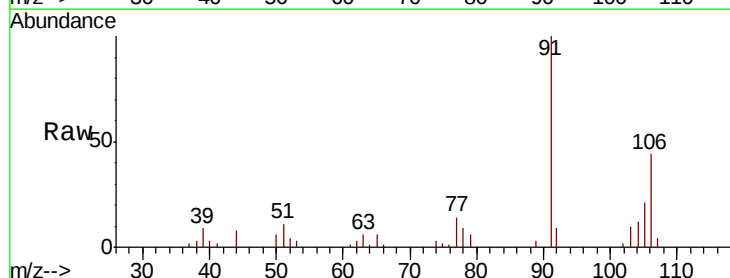


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

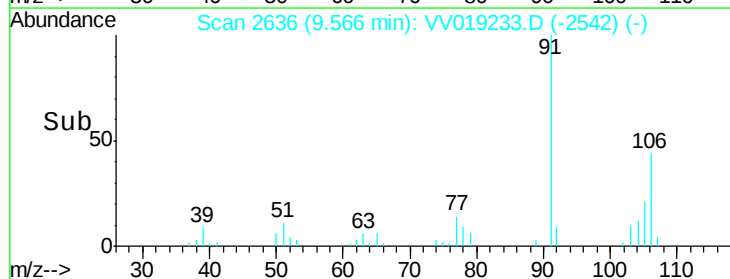
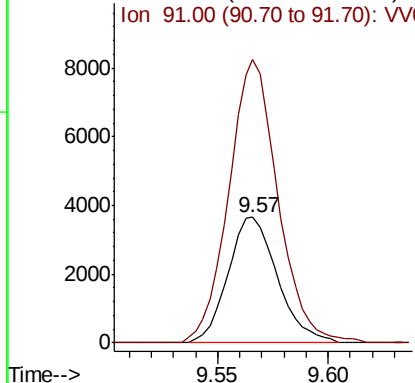


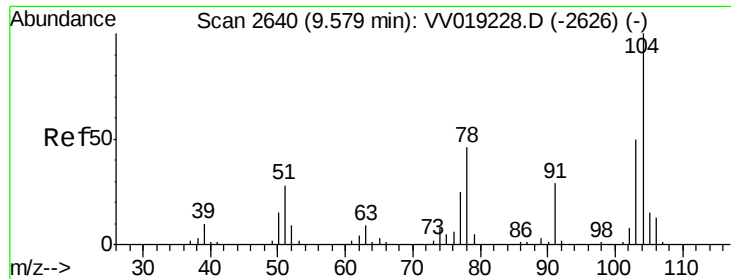
#54
o-Xylene
Concen: 2.185 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019233.D
Acq: 03 Nov 2020 14:01

Tgt Ion:106 Resp: 5686
Ion Ratio Lower Upper
106 100
91 225.8 151.6 281.6



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





#55

Stvrene

Concen: 1.999 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

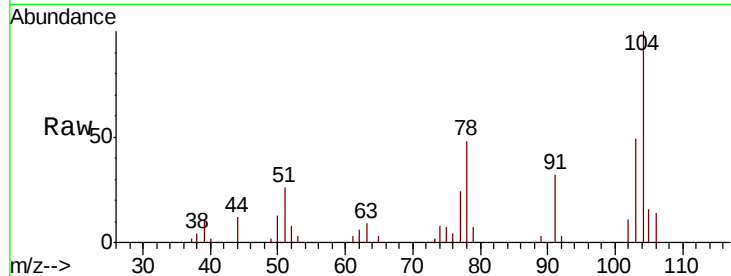
MDL-WATER-04

Tot Ion:104 Resp: 9257

Ion Ratio Lower Upper

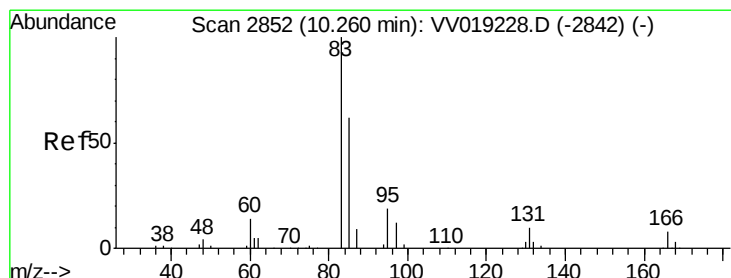
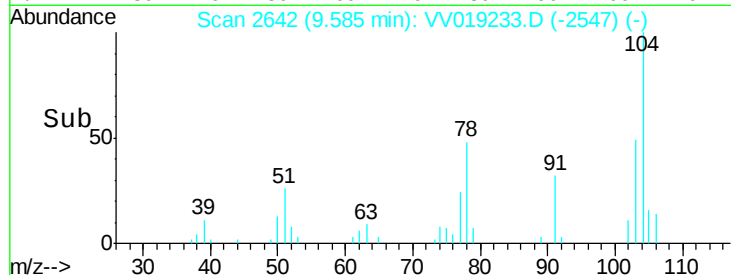
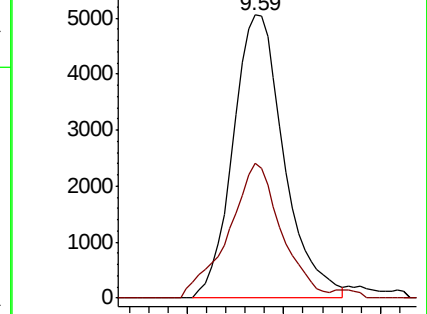
104 100

78 47.6 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): VV019228.D (-2626) (-)

Ion 78.00 (77.70 to 78.70): VV019228.D (-2626) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.362 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

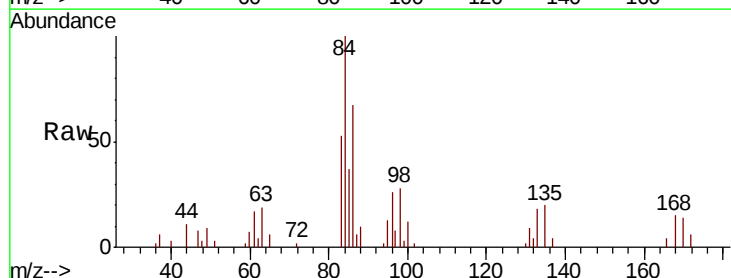
Tgt Ion: 83 Resp: 5574

Ion Ratio Lower Upper

83 100

85 69.6 45.0 83.6

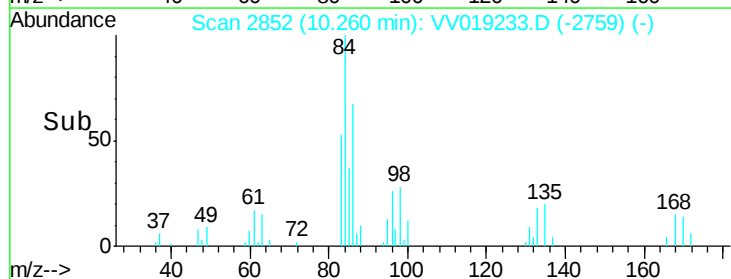
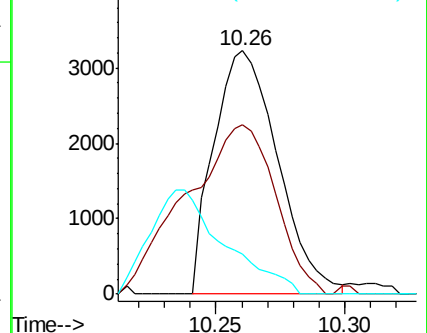
131 16.2 8.9 13.3#

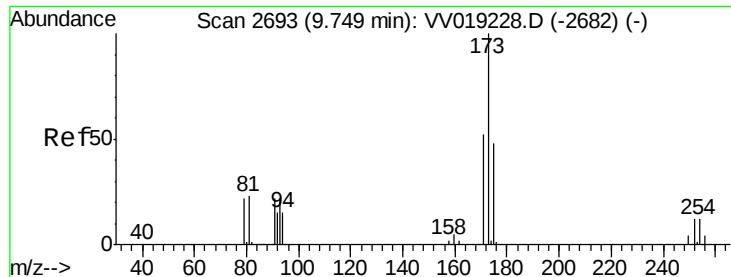


Abundance Ion 83.00 (82.70 to 83.70): VV019228.D (-2842) (-)

Ion 85.00 (84.70 to 85.70): VV019228.D (-2842) (-)

Ion 131.00 (130.70 to 131.70): VV019228.D (-2842) (-)





#59

Bromoform

Concen: 2.113 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-04

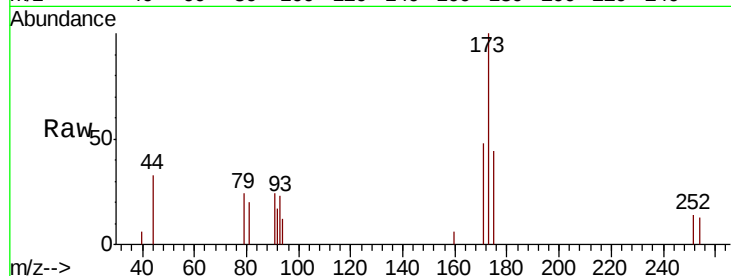
Tot Ion:173 Resp: 2902

Ion Ratio Lower Upper

173 100

175 46.5 38.4 57.6

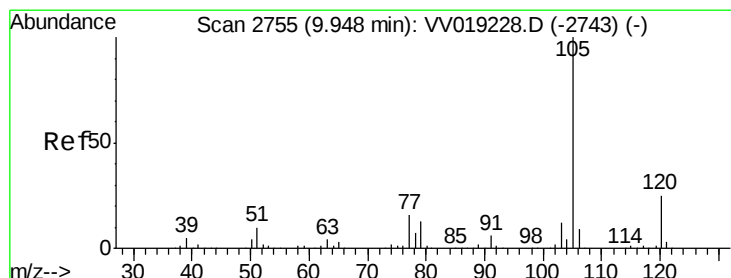
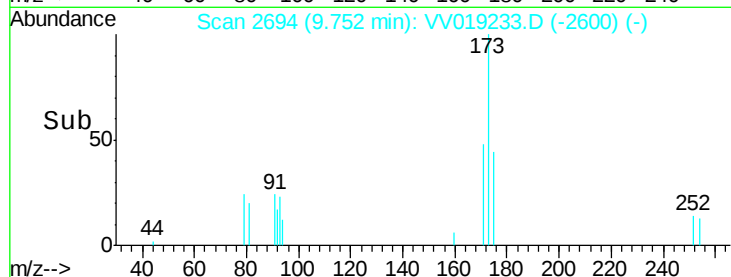
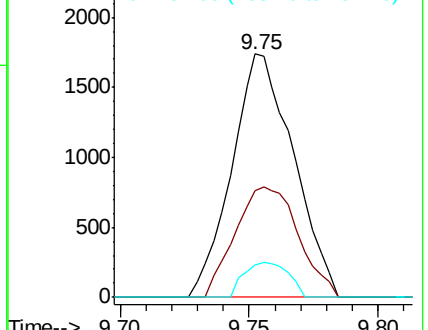
254 10.4 9.0 13.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 2.230 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

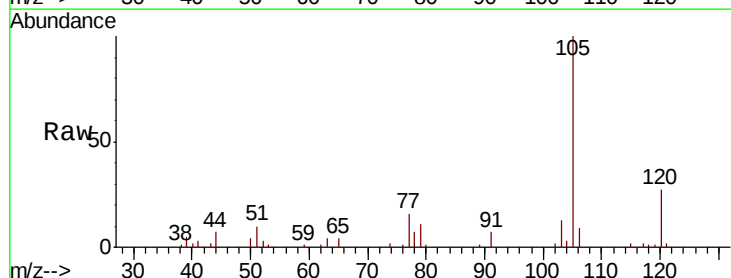
Tgt Ion:105 Resp: 14459

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

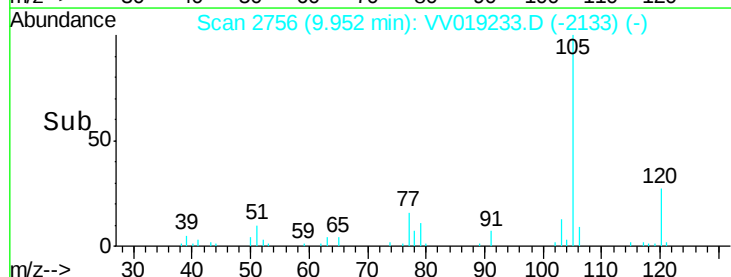
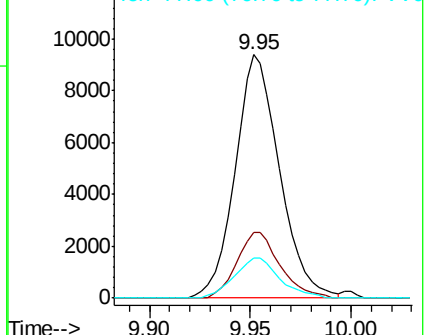
77 16.7 13.0 19.6

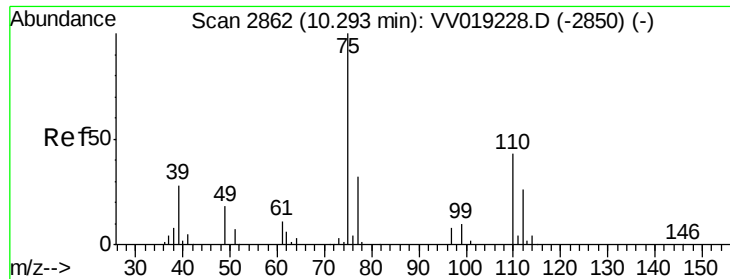


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

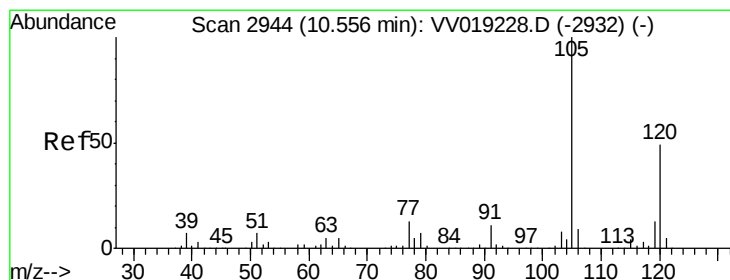
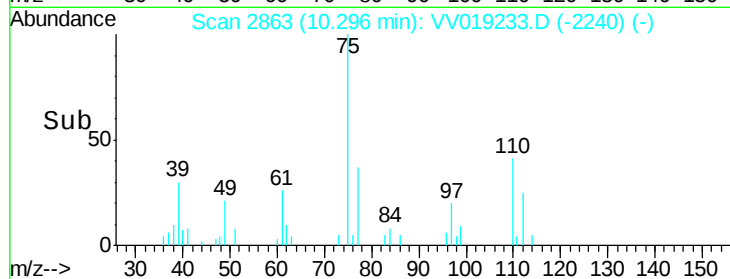
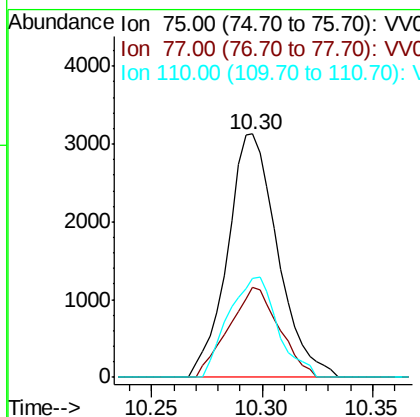
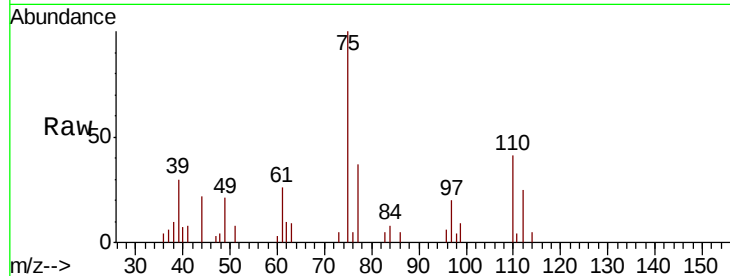




#61
 1,2,3-Trichloropropane
 Concen: 2.569 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV019233.D
 Acq: 03 Nov 2020 14:01

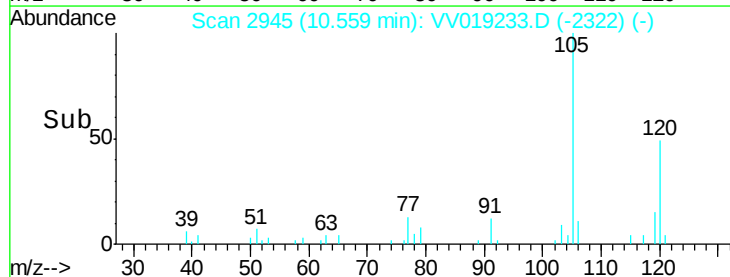
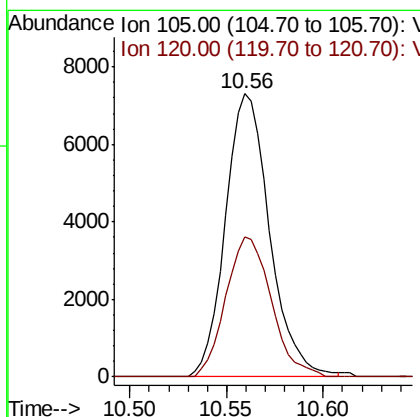
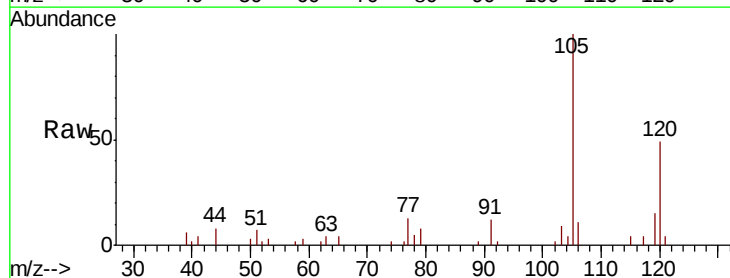
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

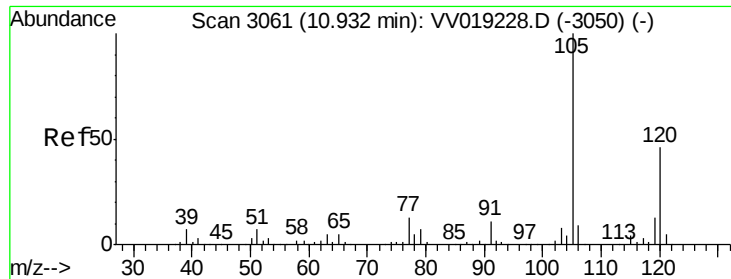
Tot Ion: 75 Resp: 4939
 Ion Ratio Lower Upper
 75 100
 77 37.3 24.8 37.2#
 110 40.4 33.4 50.2



#62
 1,3,5-Trimethylbenzene
 Concen: 2.147 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019233.D
 Acq: 03 Nov 2020 14:01

Tgt Ion: 105 Resp: 11599
 Ion Ratio Lower Upper
 105 100
 120 50.9 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 2.211 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

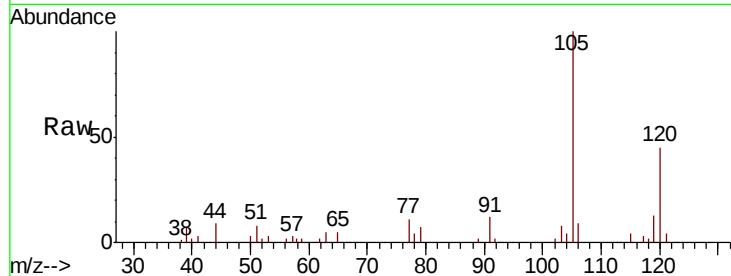
MDL-WATER-04

Tot Ion:105 Resp: 11687

Ion Ratio Lower Upper

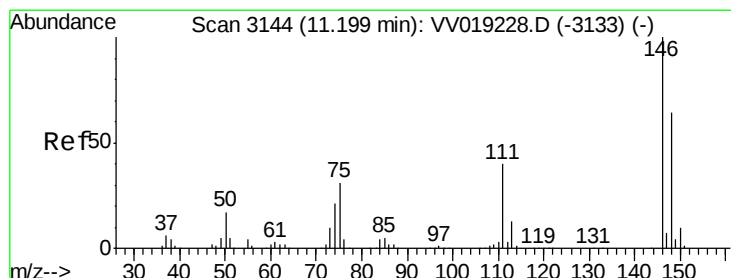
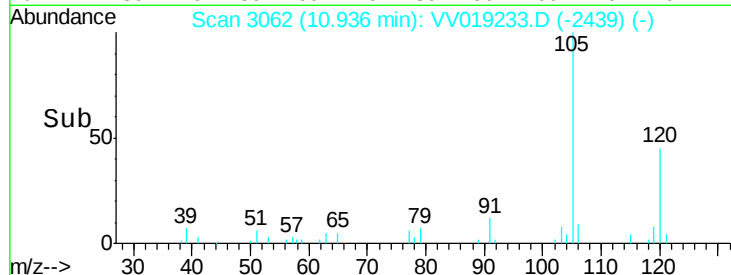
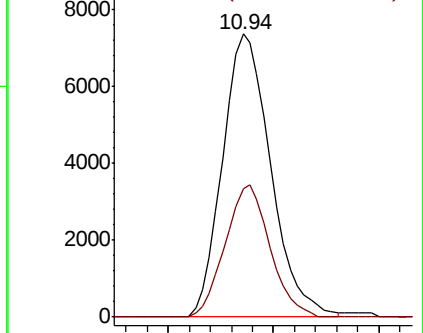
105 100

120 43.3 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: 2.457 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.01 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

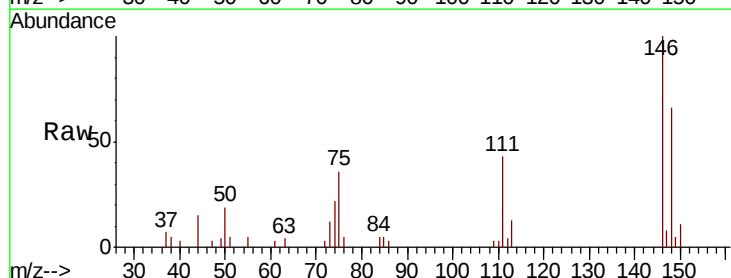
Tgt Ion:146 Resp: 8334

Ion Ratio Lower Upper

146 100

111 42.8 27.3 50.7

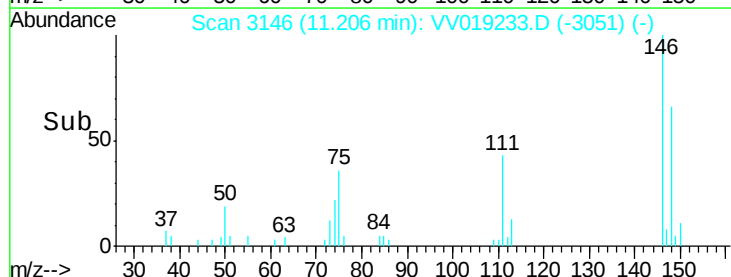
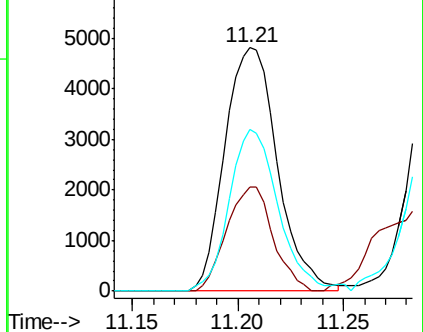
148 66.2 45.2 84.0

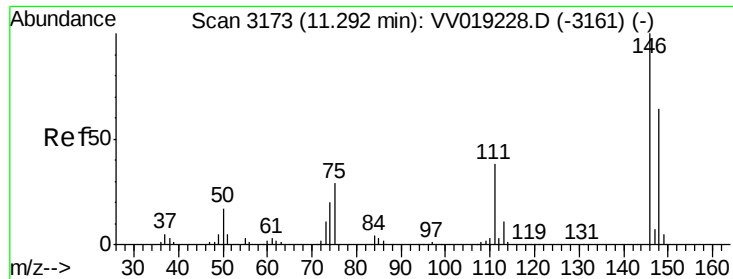


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,4-Dichlorobenzene

Concen: 2.640 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-04

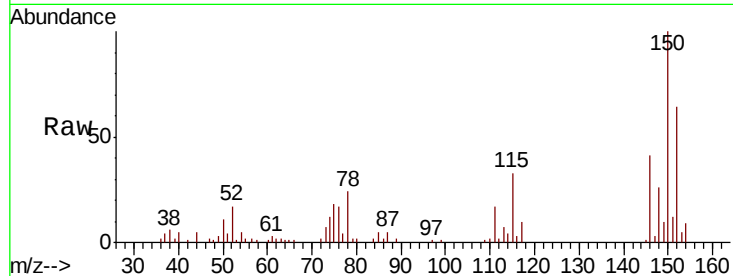
Tot Ion:146 Resp: 9263

Ion Ratio Lower Upper

146 100

111 40.9 25.9 48.1

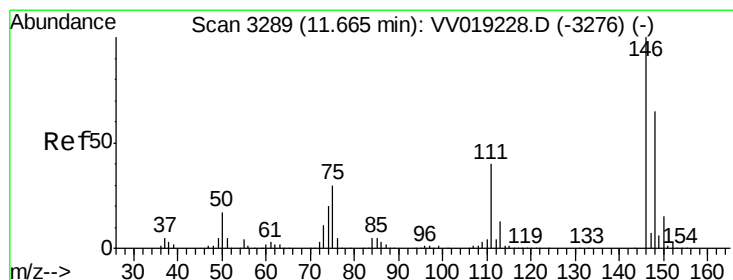
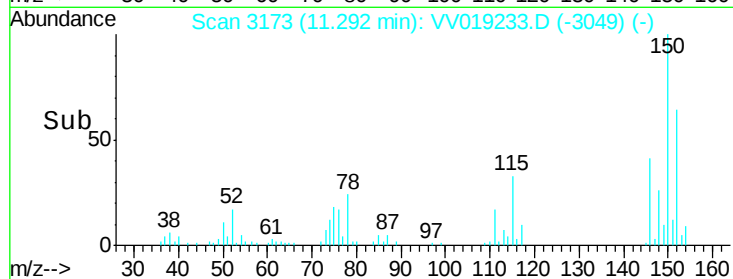
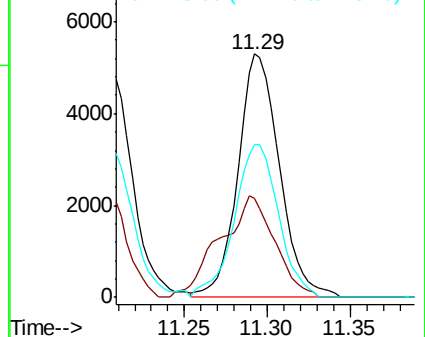
148 62.8 44.9 83.5



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: 2.523 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019233.D

Acq: 03 Nov 2020 14:01

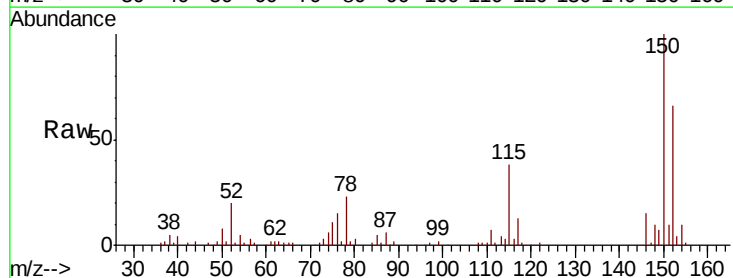
Tgt Ion:146 Resp: 8757

Ion Ratio Lower Upper

146 100

111 48.2 32.6 48.8

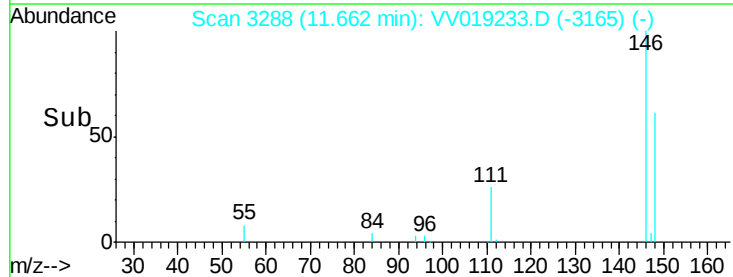
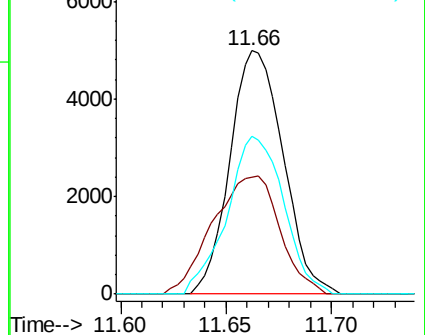
148 65.0 50.1 75.1

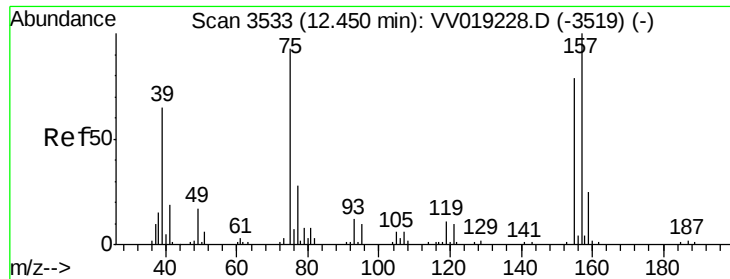


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

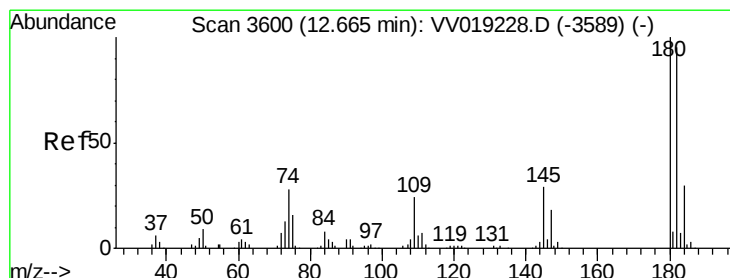
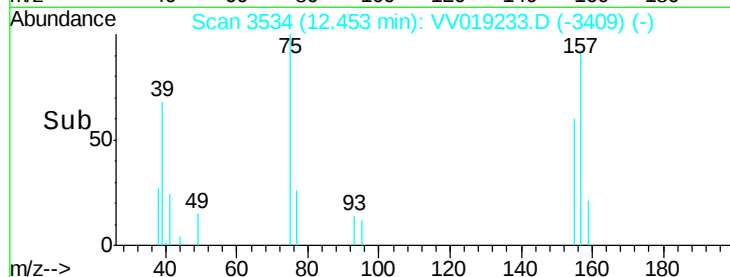
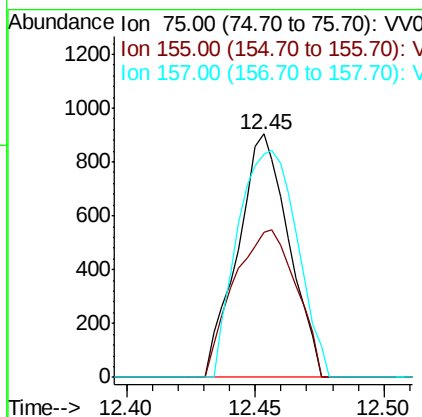
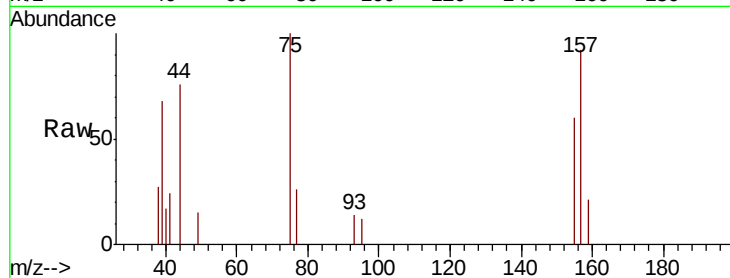




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.225 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019233.D
 Acq: 03 Nov 2020 14:01

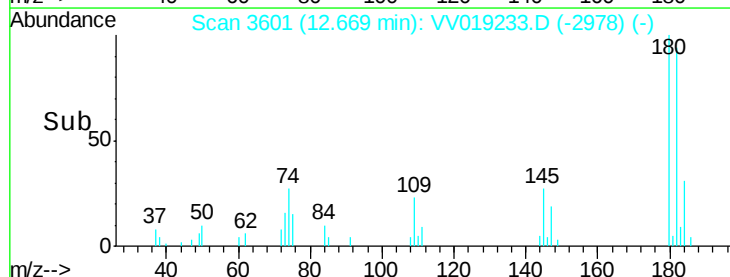
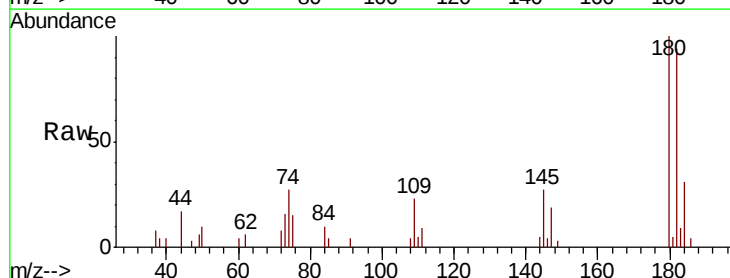
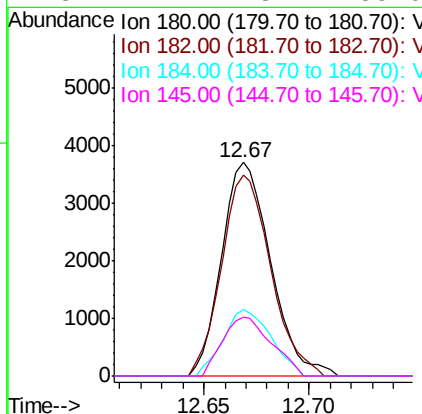
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

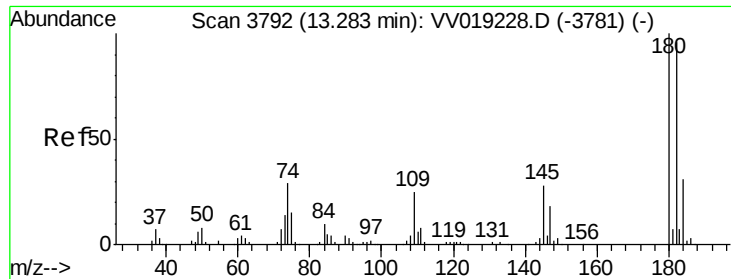
Tot Ion: 75 Resp: 1248
 Ion Ratio Lower Upper
 75 100
 155 59.8 65.8 98.6#
 157 91.9 86.3 129.5



#69
 1,3,5-Trichlorobenzene
 Concen: 2.459 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019233.D
 Acq: 03 Nov 2020 14:01

Tgt Ion: 180 Resp: 5987
 Ion Ratio Lower Upper
 180 100
 182 94.1 77.7 116.5
 184 30.3 24.9 37.3
 145 27.2 23.4 35.0

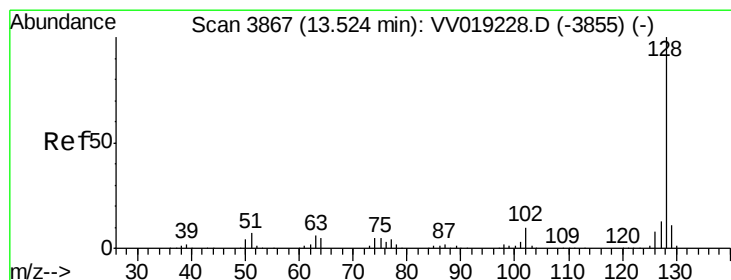
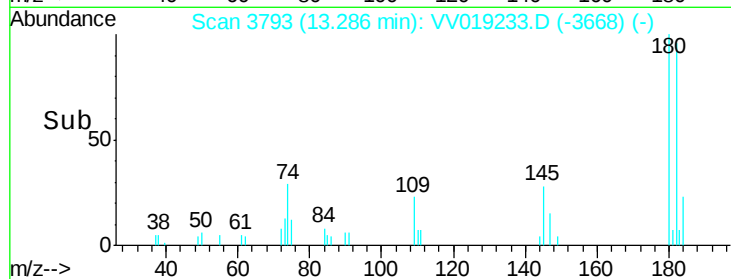
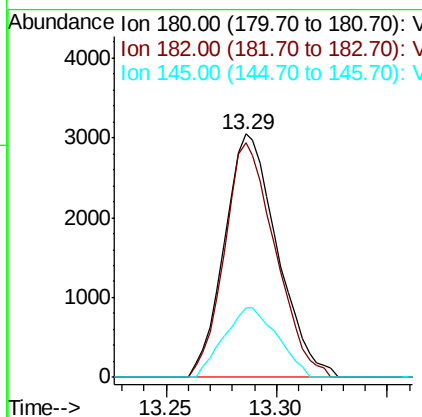
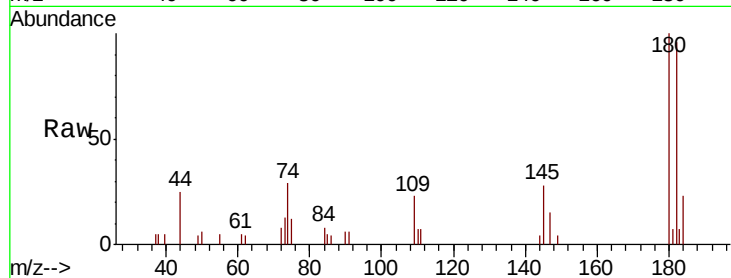




#70
 1,2,4-trichlorobenzene
 Concen: 2.207 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019233.D
 Acq: 03 Nov 2020 14:01

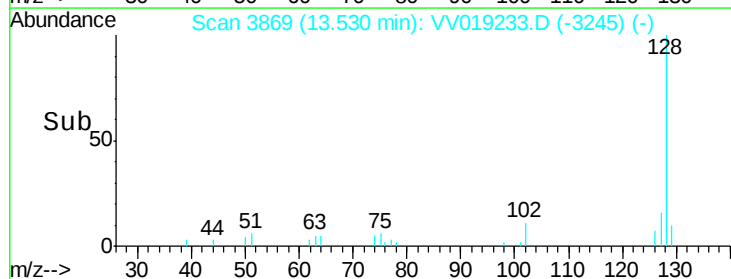
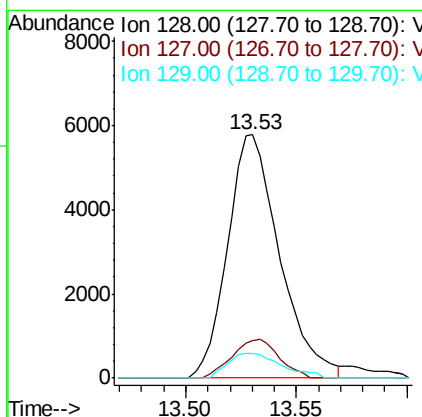
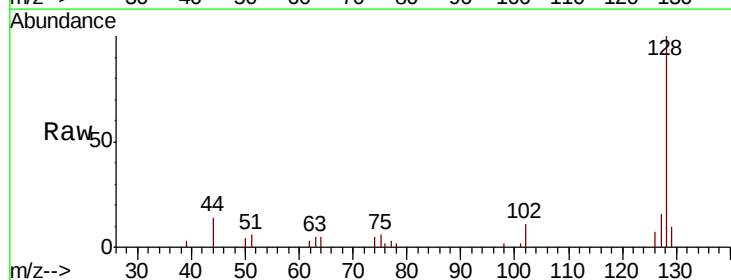
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

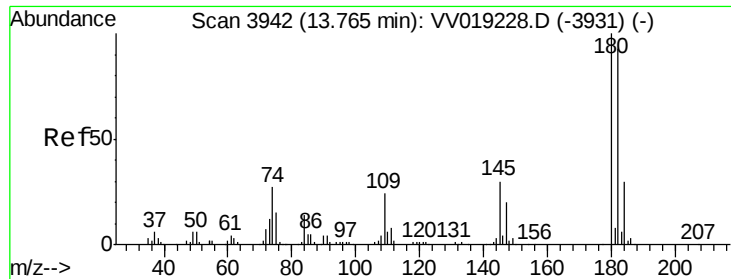
Tot Ion:180 Resp: 5055
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.6 114.8
 145 28.8 23.2 34.8



#71
 Naphthalene
 Concen: 1.464 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019233.D
 Acq: 03 Nov 2020 14:01

Tgt Ion:128 Resp: 9458
 Ion Ratio Lower Upper
 128 100
 127 14.4 10.7 16.1
 129 10.3 8.6 13.0

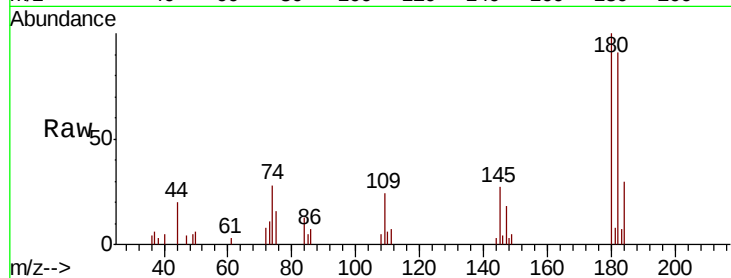




#72
 1,2,3-Trichlorobenzene
 Concen: 2.058 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019233.D
 Acq: 03 Nov 2020 14:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	98.7	77.4	116.0	
145	30.4	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

