

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110520\
 Data File : VX019269.D
 Acq On : 04 Nov 2020 13:54
 Operator : JC/MD
 Sample : L4485-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-06

Quant Time: Nov 04 14:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 01:20:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	517745	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	471293	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	229939	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	174632	39.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.36%
7) Chloroethane-d5	1.69	69	146374	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.46%
11) 1,1-Dichloroethene-d2	2.34	63	243351	33.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.18%
21) 2-Butanone-d5	4.53	46	233675	102.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	5.14	84	311577	42.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.84%
26) 1,2-Dichloroethane-d4	6.03	65	219738	42.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.22%
32) Benzene-d6	6.04	84	664982	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.90%
36) 1,2-Dichloropropane-d6	7.37	67	205757	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.28%
41) Toluene-d8	8.70	98	604913	40.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.46%
43) trans-1,3-Dichloropropene-	8.99	79	101839	44.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.90%
47) 2-Hexanone-d5	9.43	63	186176	104.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.34%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	265111	52.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.04%
66) 1,2-Dichlorobenzene-d4	12.36	152	219186	47.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	8673	2.643 ug/L	100
3) Chloromethane	1.31	50	9079	2.723 ug/L	97
5) Vinyl chloride	1.39	62	11319	3.012 ug/L #	82
6) Bromomethane	1.64	94	7270	2.928 ug/L	98
8) Chloroethane	1.72	64	6870	2.934 ug/L	93
9) Trichlorofluoromethane	1.92	101	15244	2.734 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	10779	3.352 ug/L #	85
12) 1,1-Dichloroethene	2.36	96	9993	3.203 ug/L #	1
13) Acetone	2.42	43	7795	5.547 ug/L	96
14) Carbon disulfide	2.55	76	24149	2.565 ug/L	100
15) Methyl Acetate	2.75	43	9335	3.044 ug/L	97
16) Methylene chloride	2.83	84	9642	2.771 ug/L	93
17) trans-1,2-Dichloroethene	3.14	96	9177	2.736 ug/L	95
18) Methyl tert-butyl Ether	3.16	73	29154	2.749 ug/L	99
19) 1,1-Dichloroethane	3.67	63	16246	2.726 ug/L	98
20) cis-1,2-Dichloroethene	4.56	96	10239	2.779 ug/L	100
22) 2-Butanone	4.64	43	13085	5.896 ug/L	73

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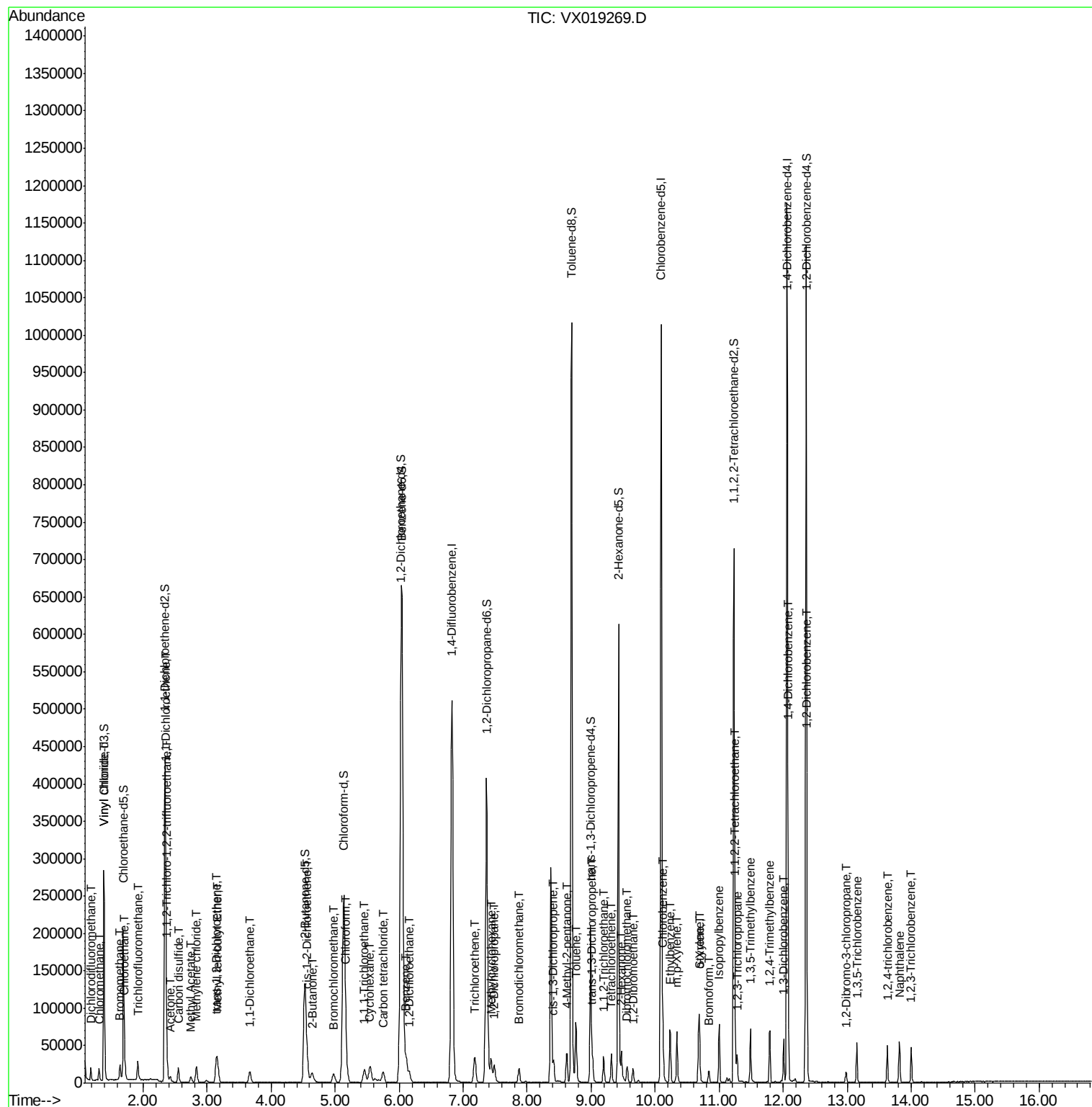
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	5118	2.758	ug/L	84
25) Chloroform	5.17	83	36305	5.803	ug/L	94
27) 1,2-Dichloroethane	6.16	62	14307	2.904	ug/L	100
29) Cyclohexane	5.54	56	13961	2.573	ug/L #	91
30) 1,1,1-Trichloroethane	5.46	97	15125	2.662	ug/L	98
31) Carbon tetrachloride	5.74	117	12426	2.546	ug/L	97
33) Benzene	6.11	78	37895	2.801	ug/L	100
34) Trichloroethene	7.18	95	10091	2.732	ug/L	98
35) Methylcyclohexane	7.43	83	14507	2.482	ug/L	99
37) 1,2-Dichloropropane	7.48	63	9659	2.874	ug/L	99
38) Bromodichloromethane	7.87	83	12141	2.598	ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	14410	2.581	ug/L	95
40) 4-Methyl-2-pentanone	8.62	43	22271	5.418	ug/L	99
42) Toluene	8.76	91	48776	3.314	ug/L	98
44) trans-1,3-Dichloropropene	9.02	75	14175	2.606	ug/L	93
45) 1,1,2-Trichloroethane	9.20	97	9046	2.740	ug/L	99
46) Tetrachloroethene	9.32	164	7465	2.679	ug/L	95
48) 2-Hexanone	9.47	43	21869	6.752	ug/L	99
49) Dibromochloromethane	9.56	129	9084	2.515	ug/L	100
50) 1,2-Dibromoethane	9.65	107	9174	2.657	ug/L #	99
51) Chlorobenzene	10.12	112	25407	2.776	ug/L	95
52) Ethylbenzene	10.23	91	42754	2.687	ug/L	99
53) m,p-Xylene	10.34	106	16073	2.689	ug/L	93
54) o-Xylene	10.68	106	14953	2.584	ug/L	100
55) Styrene	10.70	104	24264	2.485	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	14731	3.255	ug/L #	98
59) Bromoform	10.84	173	5463	2.193	ug/L	99
60) Isopropylbenzene	11.00	105	39280	2.517	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	11677	2.981	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	31011	2.416	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	30205	2.487	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	18256	2.710	ug/L	94
65) 1,4-Dichlorobenzene	12.08	146	19279	2.820	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	17685	2.711	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.98	75	2735	2.564	ug/L	97
69) 1,3,5-Trichlorobenzene	13.15	180	11905	2.523	ug/L	95
70) 1,2,4-trichlorobenzene	13.63	180	10491	2.412	ug/L	94
71) Naphthalene	13.82	128	32135	2.285	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	10363	2.435	ug/L	96

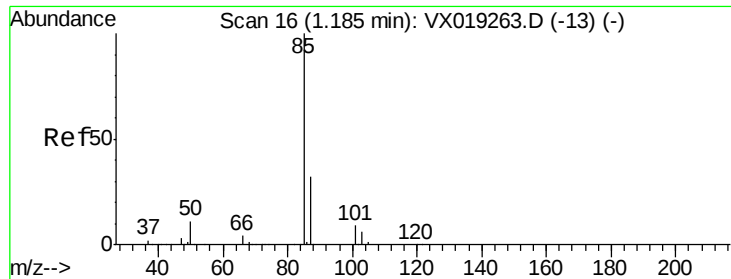
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.643 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

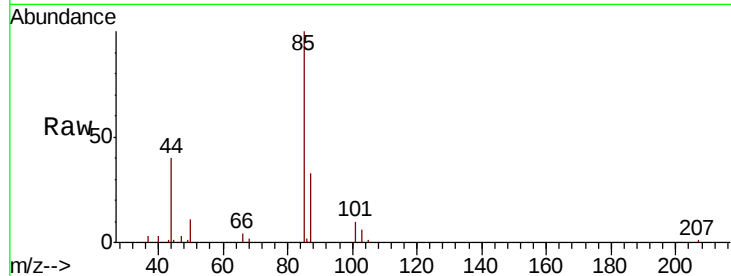
MDL-WATER-06

Tot Ion: 85 Resp: 8673

Ion Ratio Lower Upper

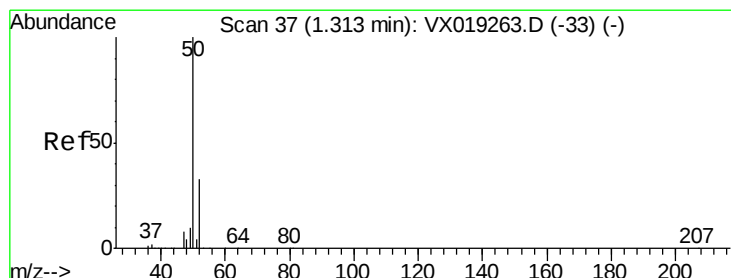
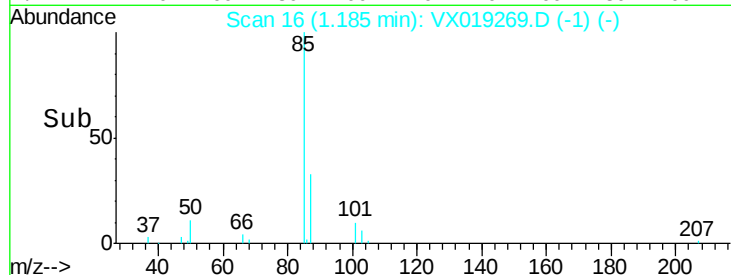
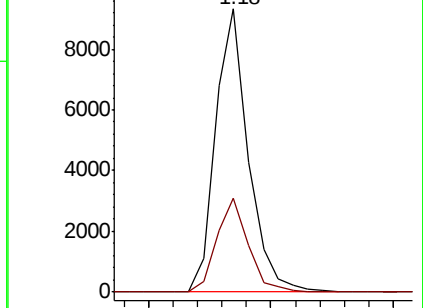
85 100

87 32.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 2.723 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019269.D

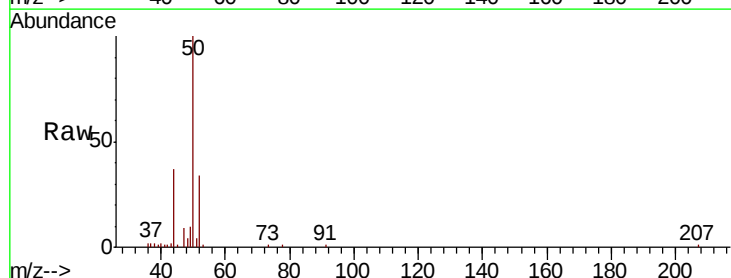
Acq: 04 Nov 2020 13:54

Tgt Ion: 50 Resp: 9079

Ion Ratio Lower Upper

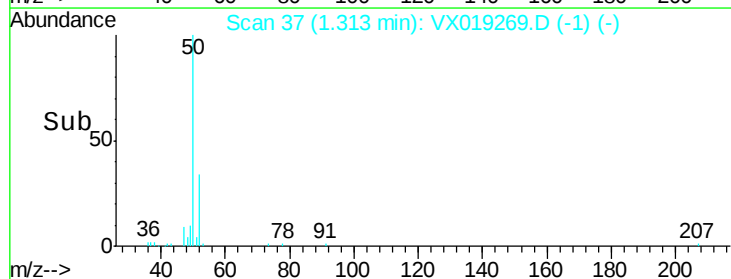
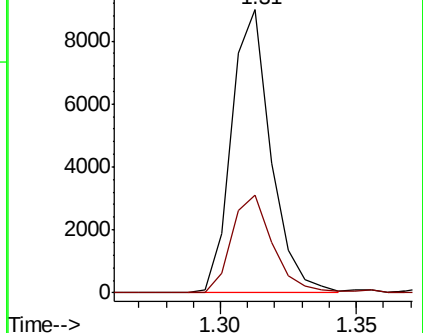
50 100

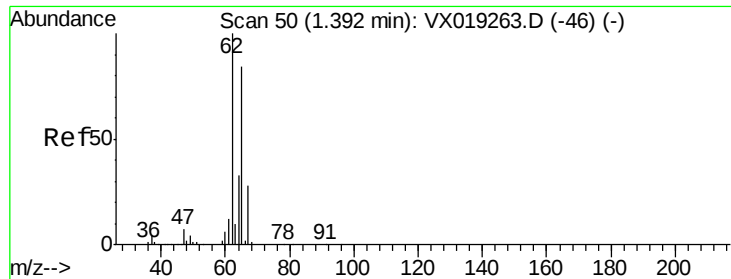
52 34.4 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 3.012 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

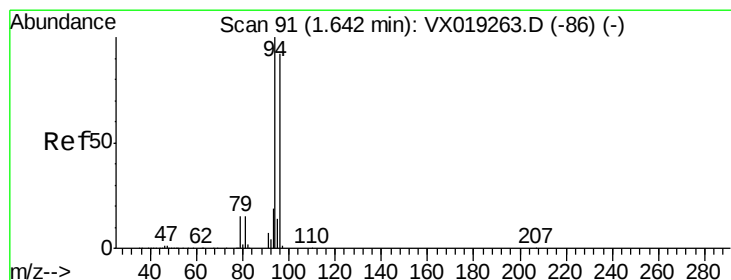
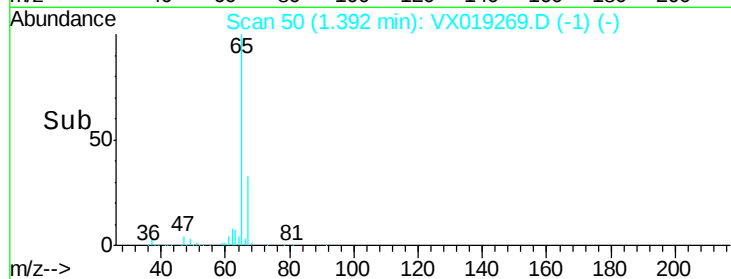
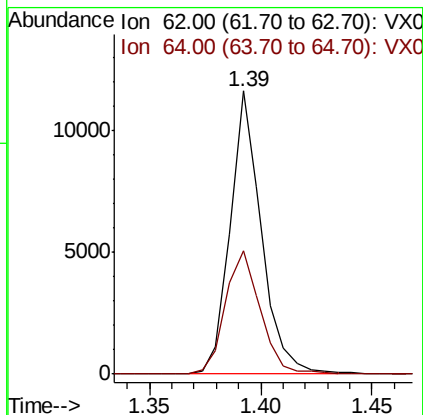
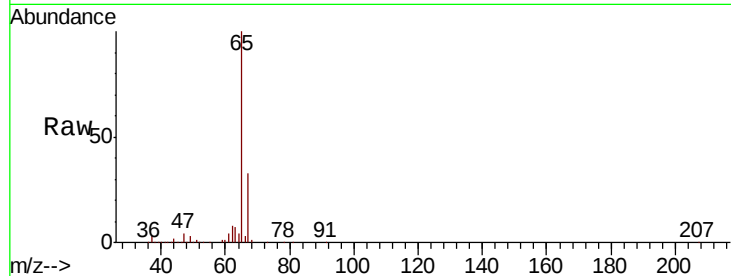
MDL-WATER-06

Tot Ion: 62 Resp: 11319

Ion Ratio Lower Upper

62 100

64 43.8 23.4 43.6#



#6

Bromomethane

Concen: 2.928 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX019269.D

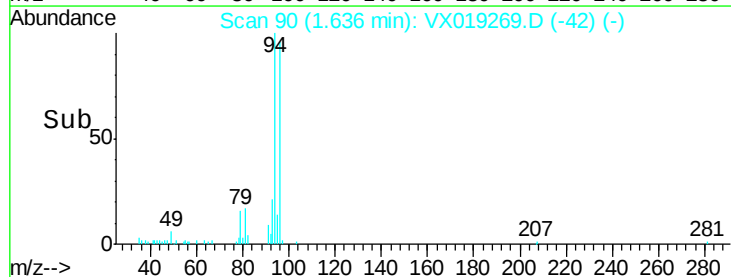
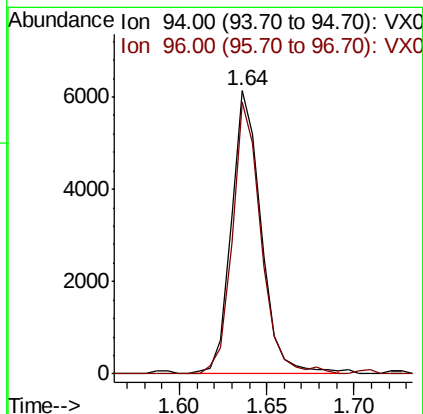
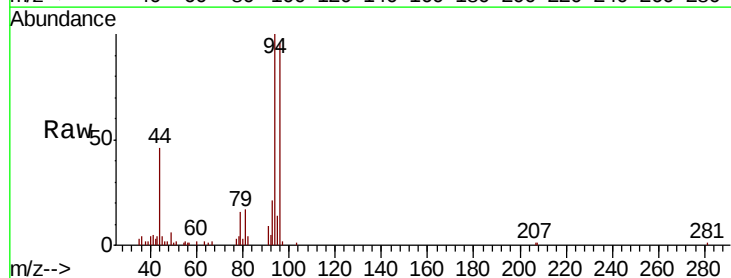
Acq: 04 Nov 2020 13:54

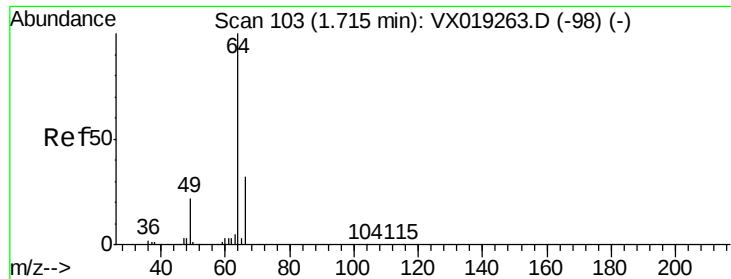
Tgt Ion: 94 Resp: 7270

Ion Ratio Lower Upper

94 100

96 95.9 66.0 122.6





#8

Chloroethane

Concen: 2.934 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

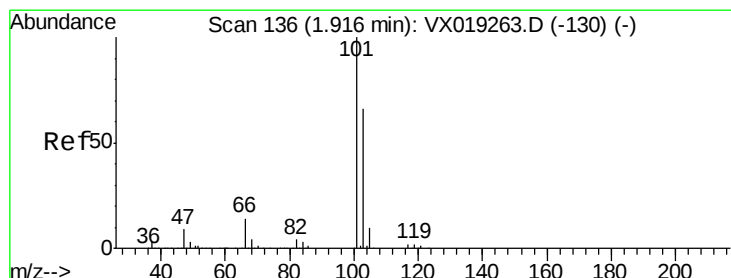
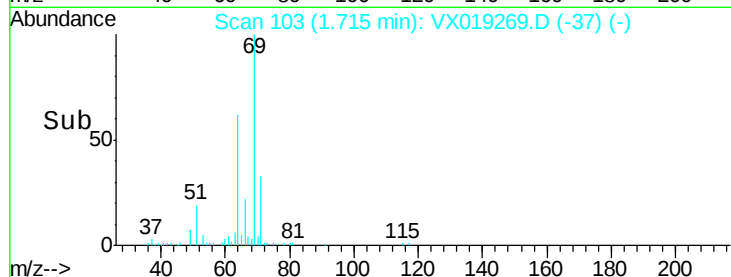
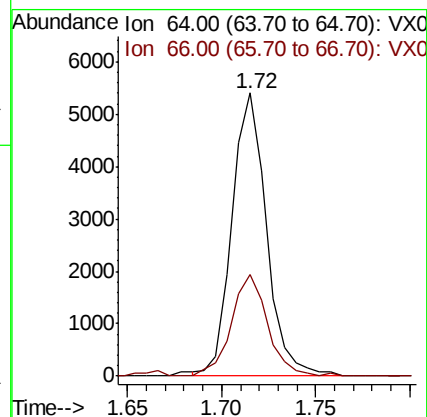
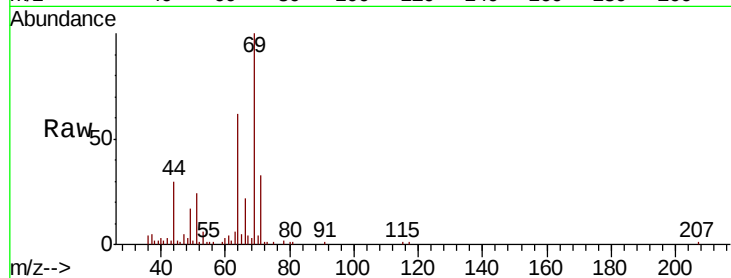
MDL-WATER-06

Tot Ion: 64 Resp: 6870

Ion Ratio Lower Upper

64 100

66 35.9 22.5 41.9



#9

Trichlorofluoromethane

Concen: 2.734 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX019269.D

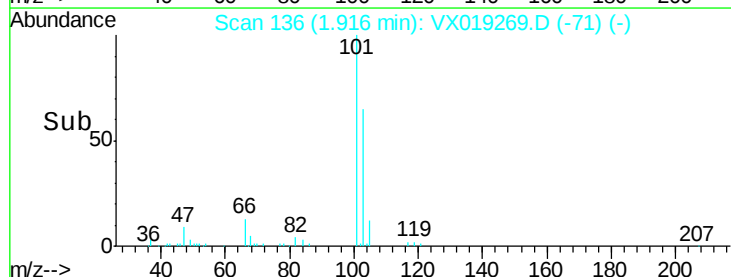
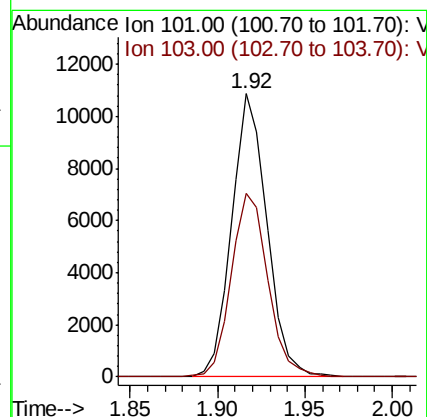
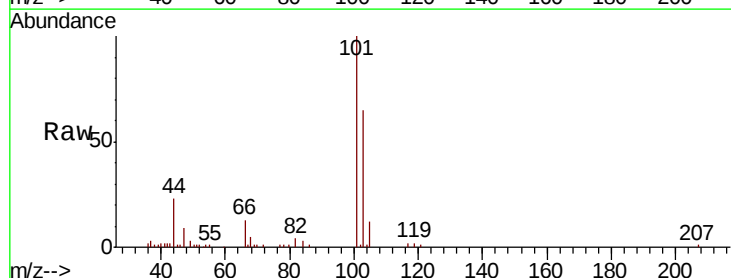
Acq: 04 Nov 2020 13:54

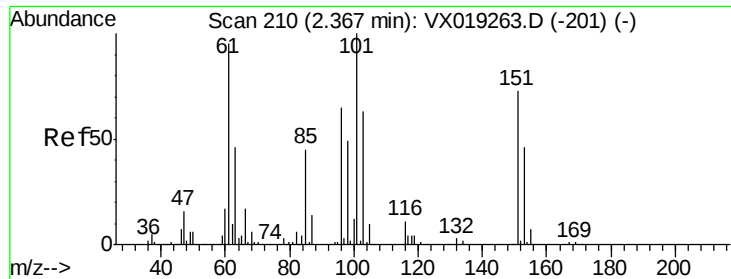
Tgt Ion: 101 Resp: 15244

Ion Ratio Lower Upper

101 100

103 67.5 51.3 76.9





#10

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

Concen: 3.352 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

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ClientSampleId :

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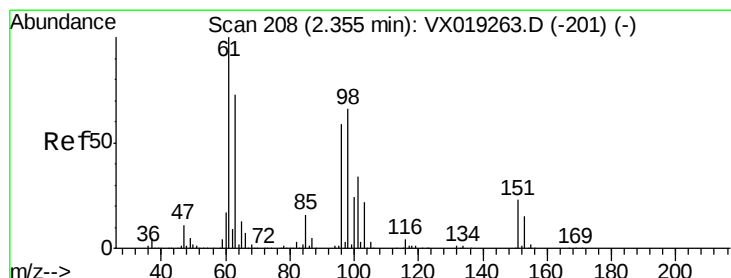
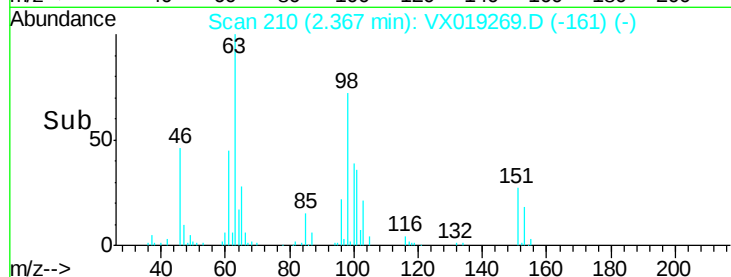
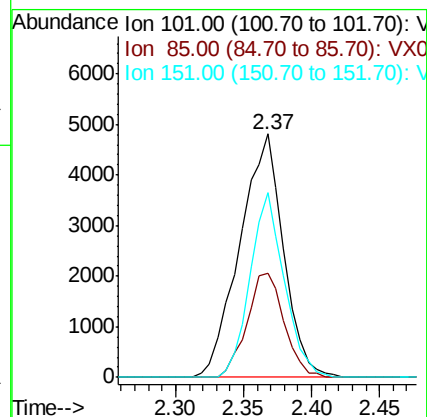
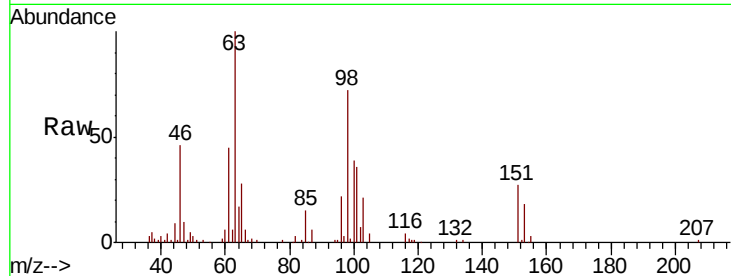
Tot Ion:101 Resp: 10779

Ion Ratio Lower Upper

101 100

85 36.5 35.0 52.4

151 59.8 59.9 89.9#



#12

1,1-Dichloroethene

Concen: 3.203 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

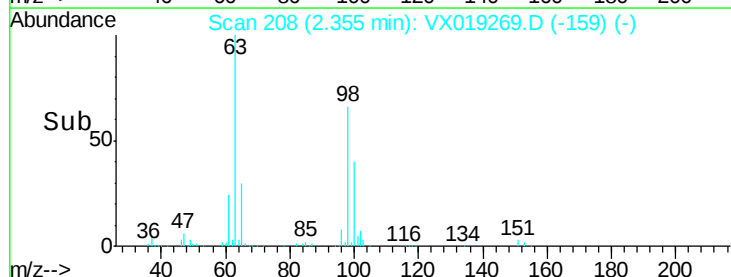
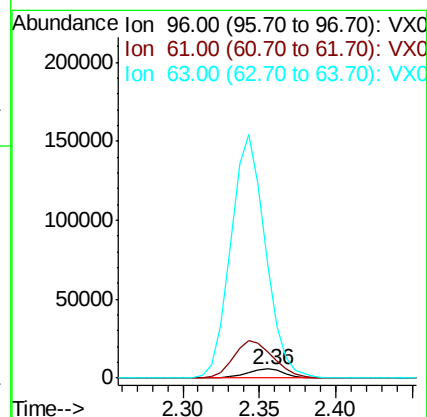
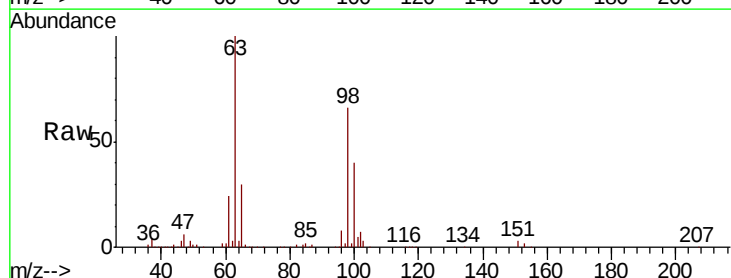
Tgt Ion: 96 Resp: 9993

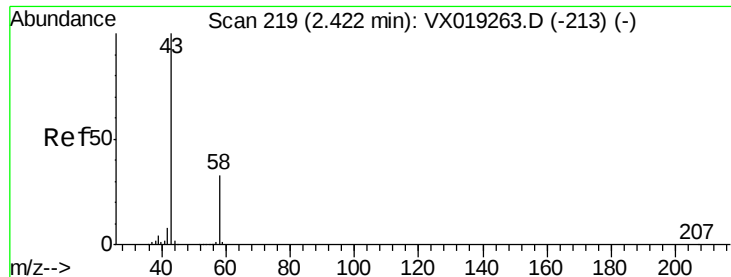
Ion Ratio Lower Upper

96 100

61 286.7 115.1 213.8#

63 1219.8 78.3 145.5#





#13

Acetone

Concen: 5.547 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

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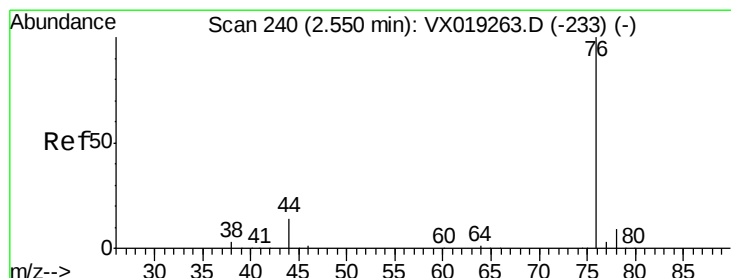
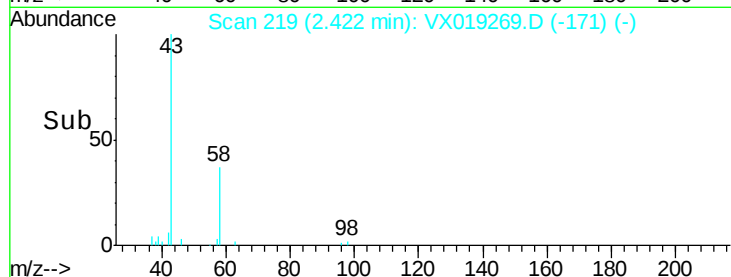
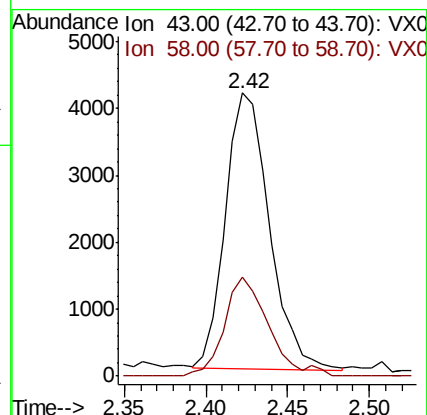
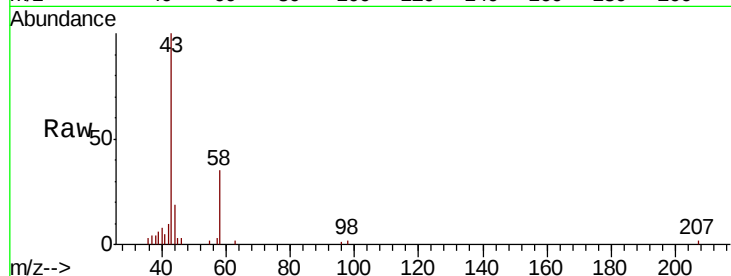
MDL-WATER-06

Tot Ion: 43 Resp: 7795

Ion Ratio Lower Upper

43 100

58 34.5 0.0 64.6



#14

Carbon disulfide

Concen: 2.565 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019269.D

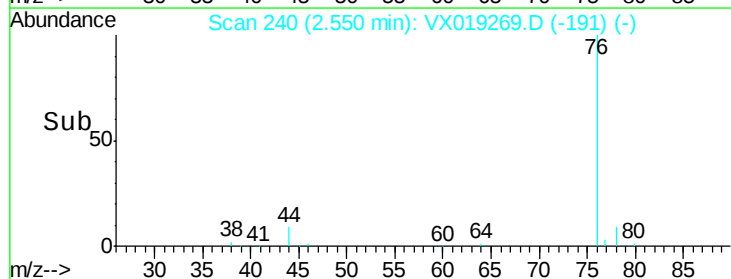
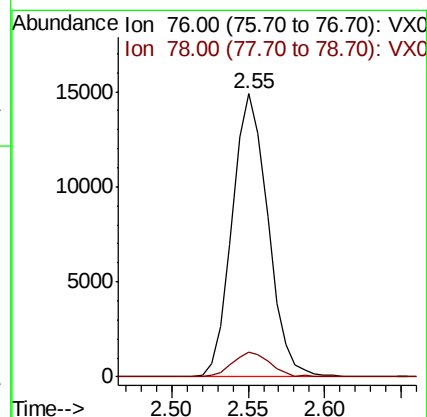
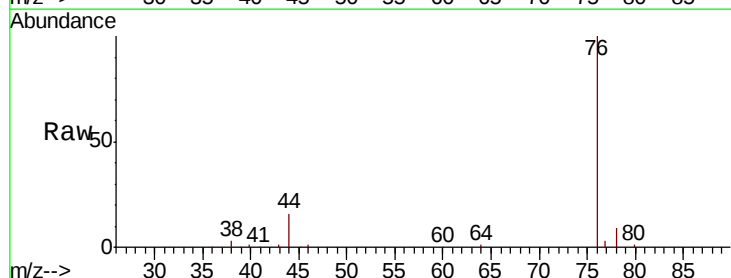
Acq: 04 Nov 2020 13:54

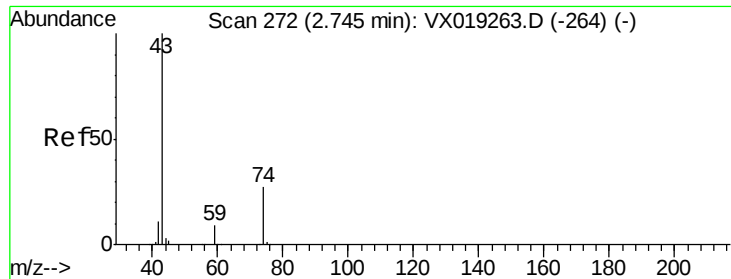
Tgt Ion: 76 Resp: 24149

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

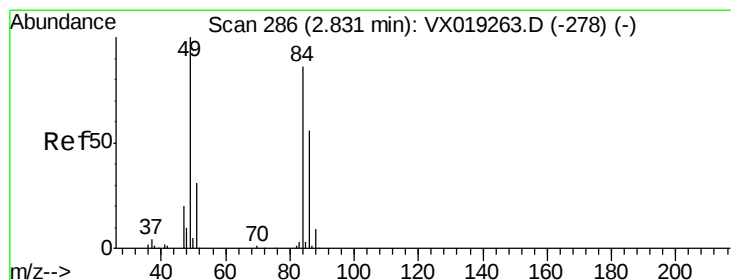
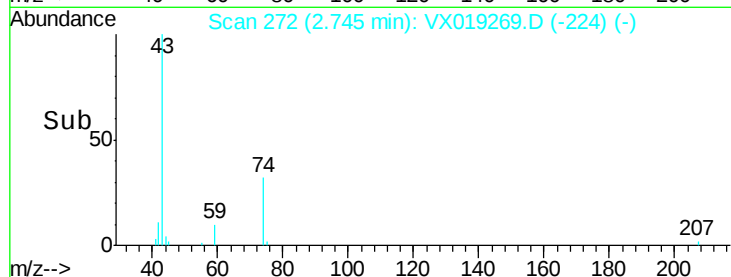
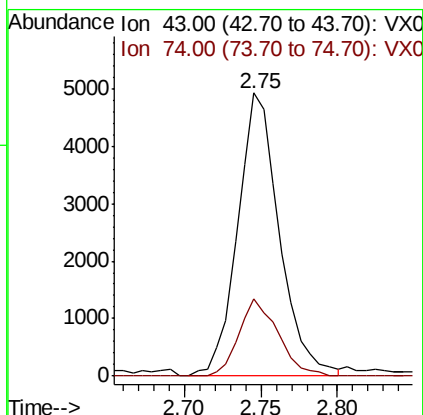
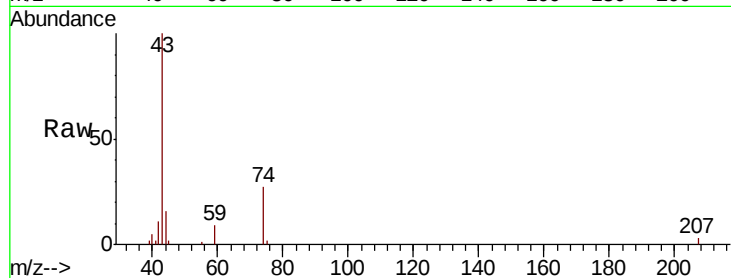




#15
Methvl Acetate
Concen: 3.044 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

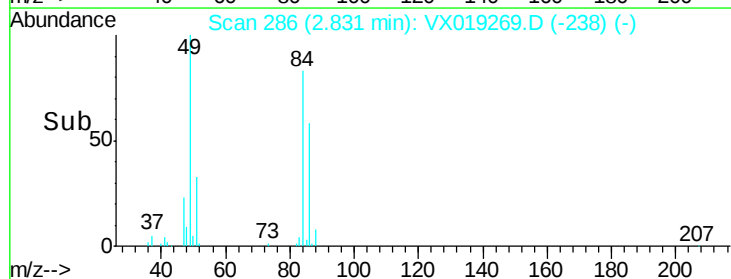
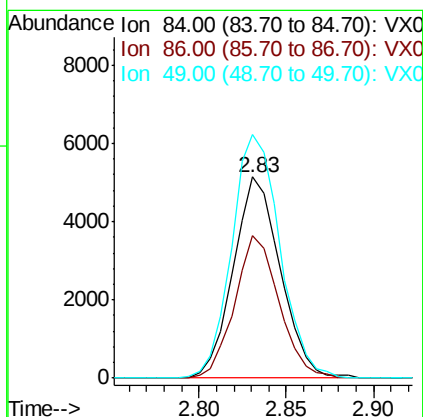
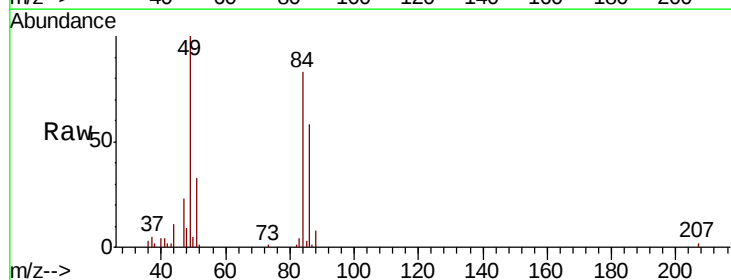
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

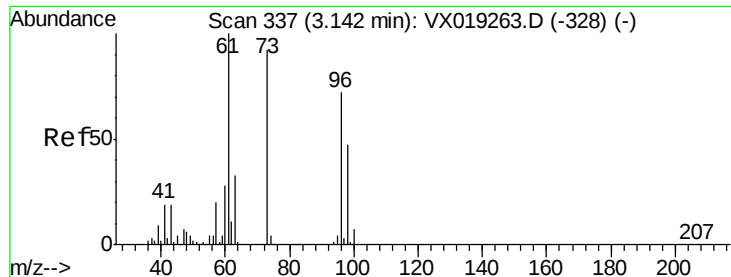
Tot Ion: 43 Resp: 9335
Ion Ratio Lower Upper
43 100
74 25.6 21.8 32.8



#16
Methylene chloride
Concen: 2.771 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

Tgt Ion: 84 Resp: 9642
Ion Ratio Lower Upper
84 100
86 70.7 44.0 81.6
49 121.2 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 2.736 ug/L

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

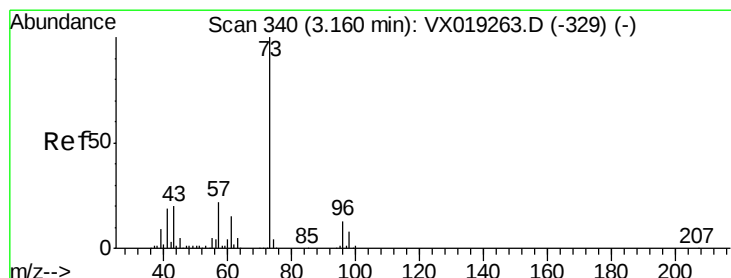
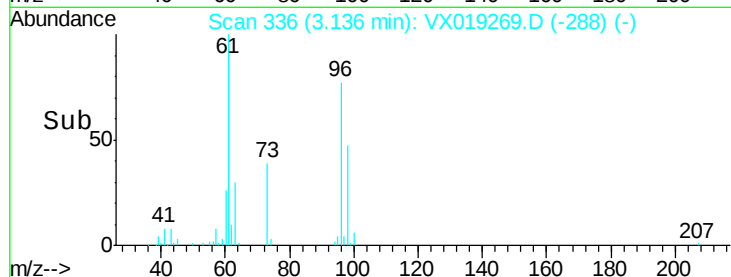
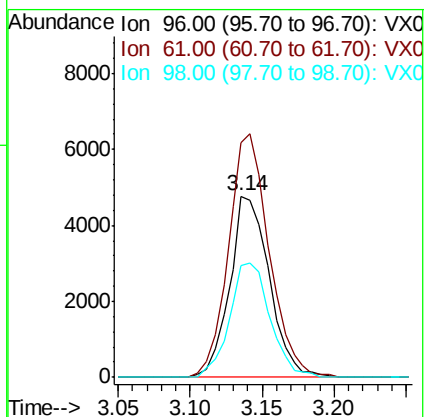
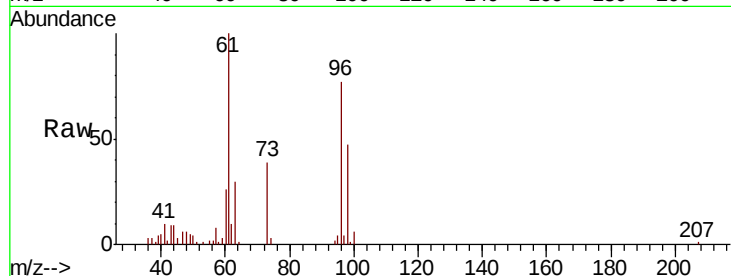
Tot Ion: 96 Resp: 9177

Ion Ratio Lower Upper

96 100

61 129.4 95.7 177.7

98 61.4 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 2.749 ug/L

RT: 3.16 min Scan# 340

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

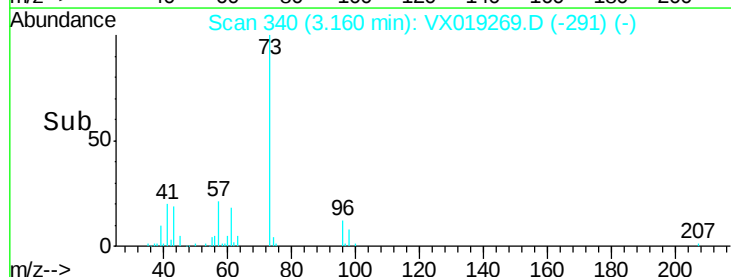
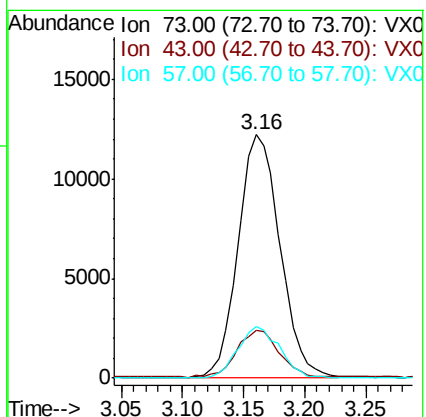
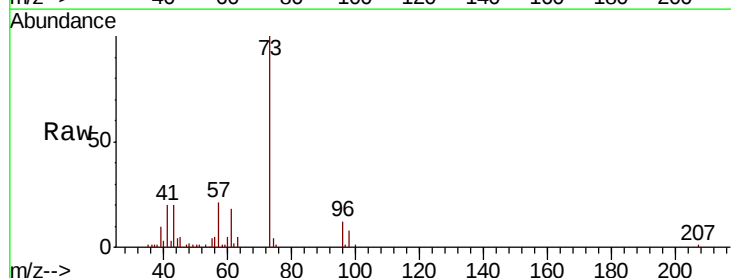
Tgt Ion: 73 Resp: 29154

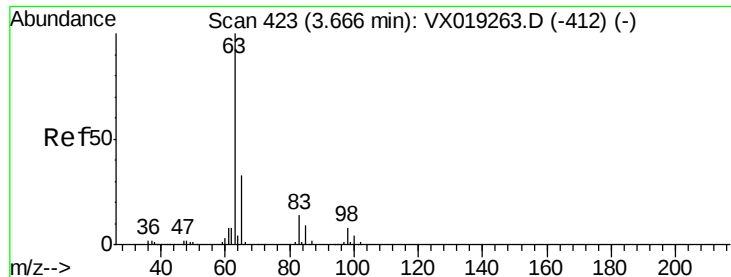
Ion Ratio Lower Upper

73 100

43 20.5 15.8 23.6

57 20.8 17.0 25.4

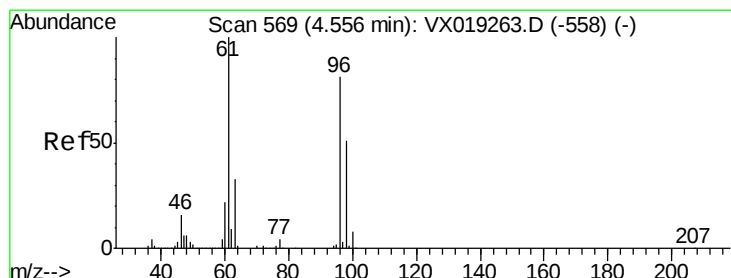
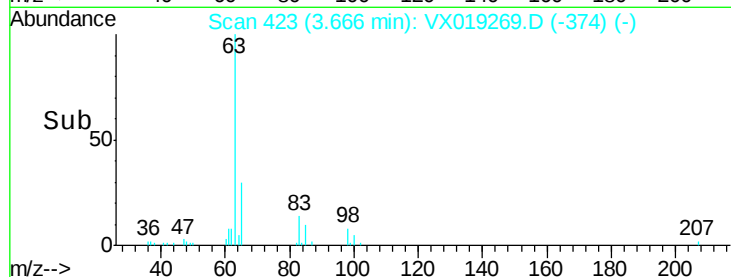
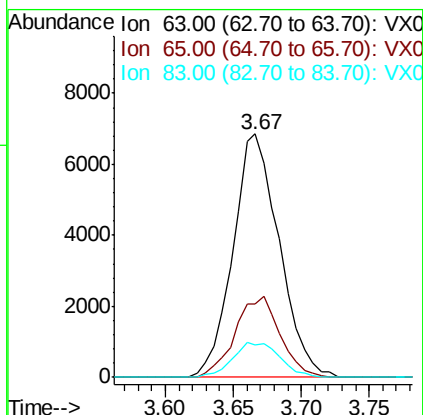
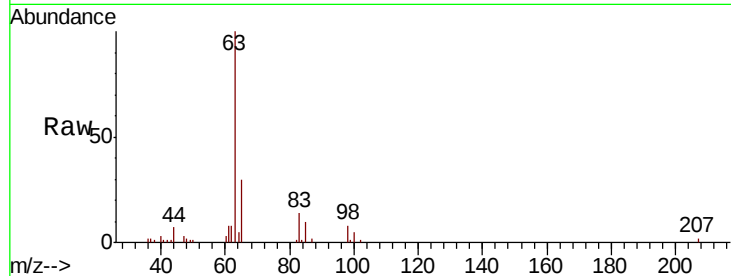




#19
 1,1-Dichloroethane
 Concen: 2.726 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

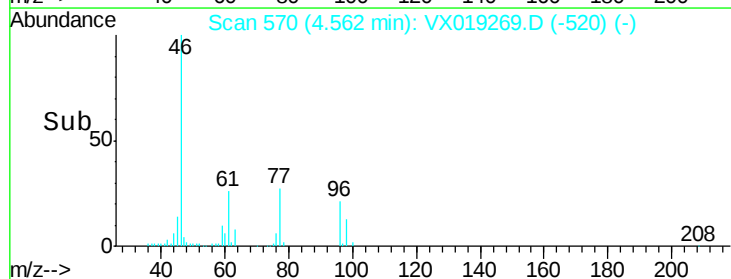
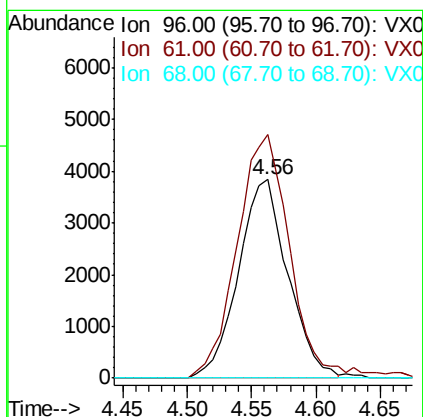
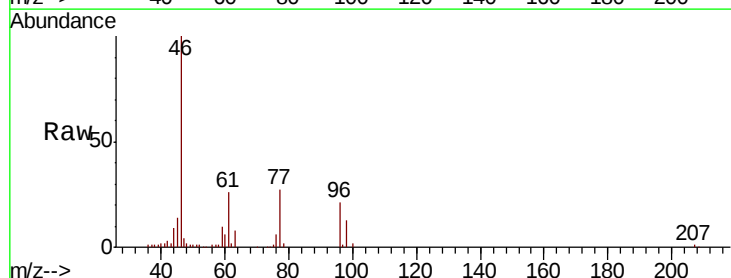
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

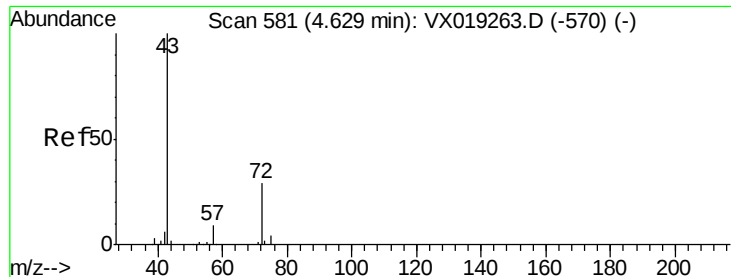
Tot Ion: 63 Resp: 16246
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.3 41.3
 83 13.5 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 2.779 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

Tgt Ion: 96 Resp: 10239
 Ion Ratio Lower Upper
 96 100
 61 122.6 86.1 159.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.896 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

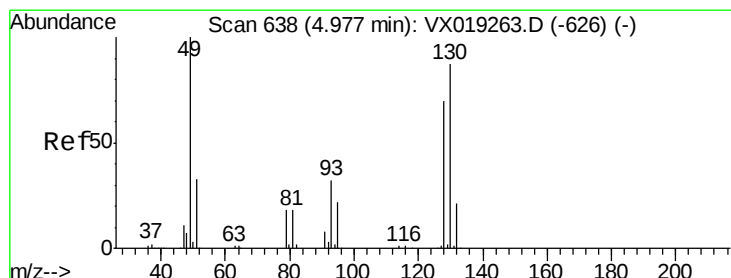
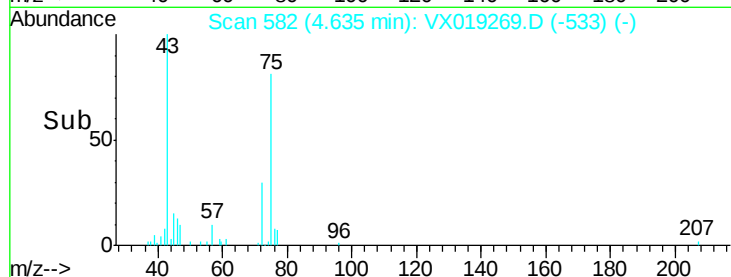
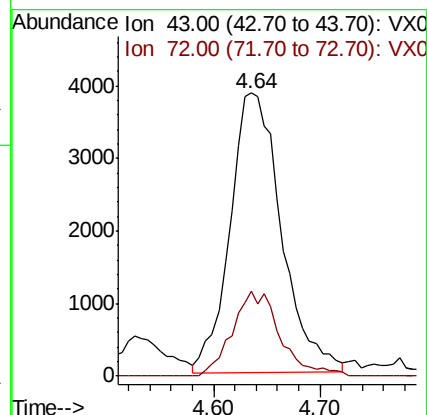
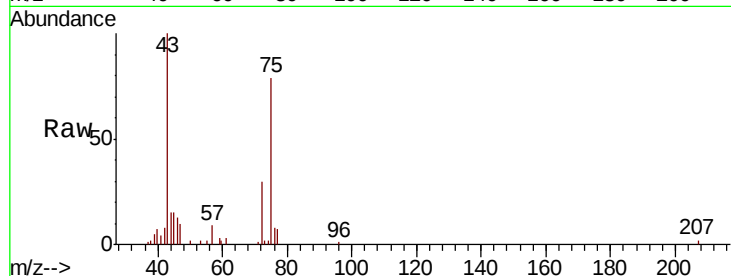
MDL-WATER-06

Tot Ion: 43 Resp: 13085

Ion Ratio Lower Upper

43 100

72 15.6 15.0 45.0



#23

Bromochloromethane

Concen: 2.758 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Tgt Ion: 128 Resp: 5118

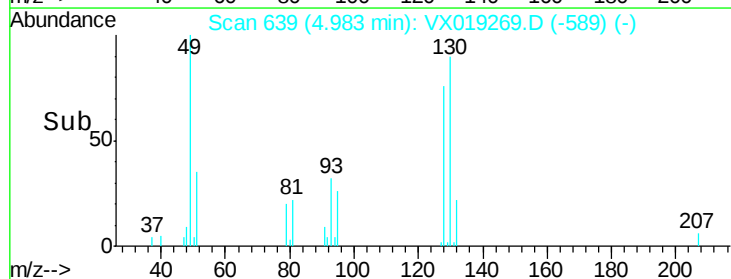
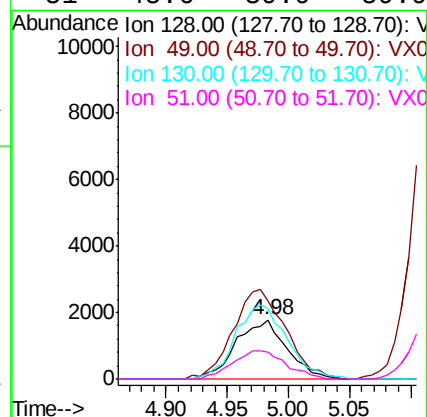
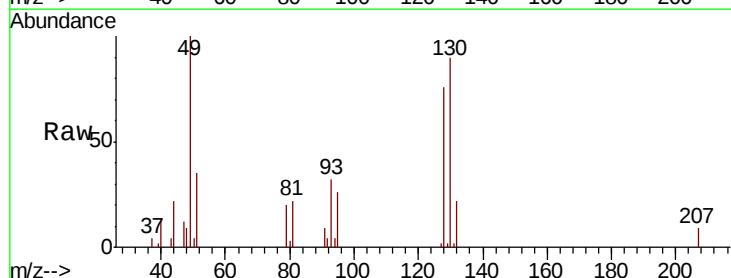
Ion Ratio Lower Upper

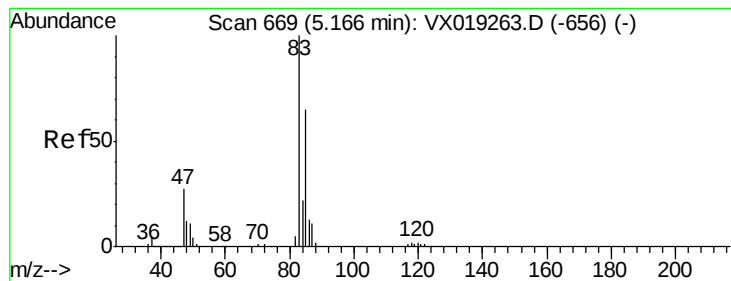
128 100

49 131.7 108.4 201.4

130 118.2 96.7 179.7

51 45.6 39.9 59.9





#25

Chloroform

Concen: 5.803 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

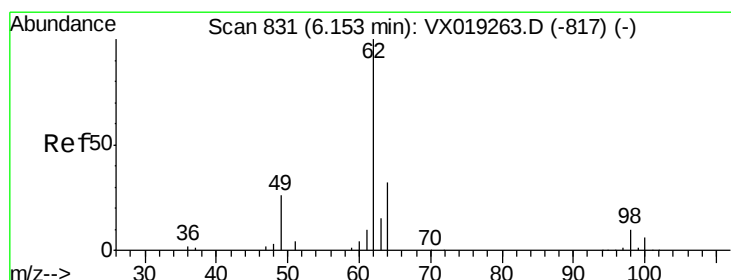
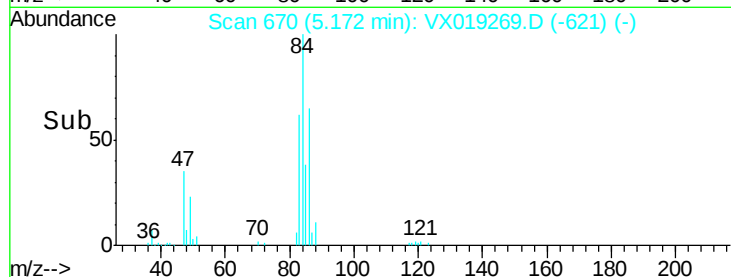
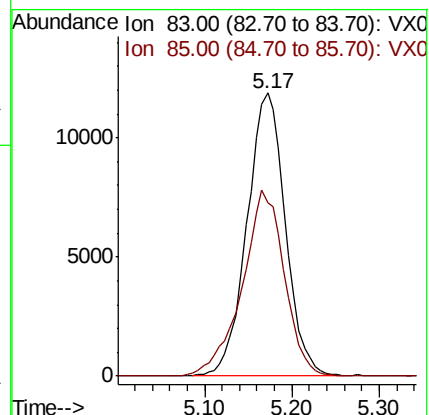
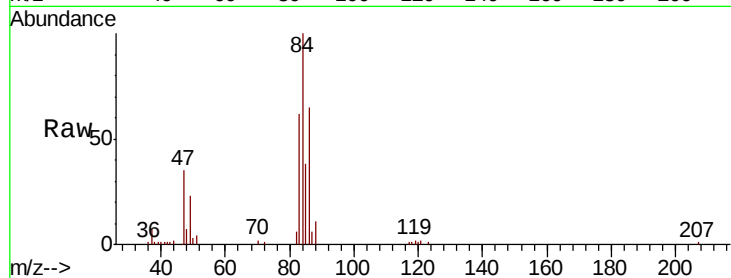
MDL-WATER-06

Tot Ion: 83 Resp: 36305

Ion Ratio Lower Upper

83 100

85 61.3 46.5 86.3



#27

1,2-Dichloroethane

Concen: 2.904 ug/L

RT: 6.16 min Scan# 832

Delta R.T. 0.01 min

Lab File: VX019269.D

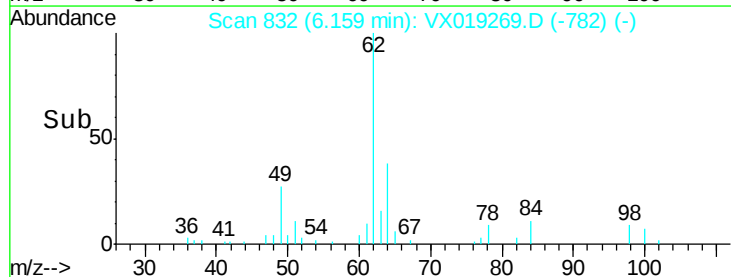
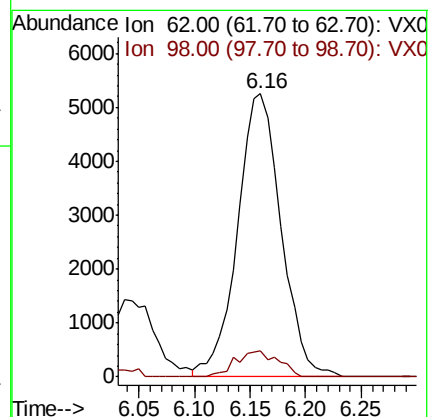
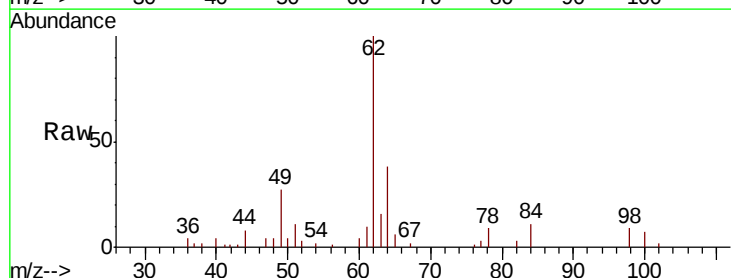
Acq: 04 Nov 2020 13:54

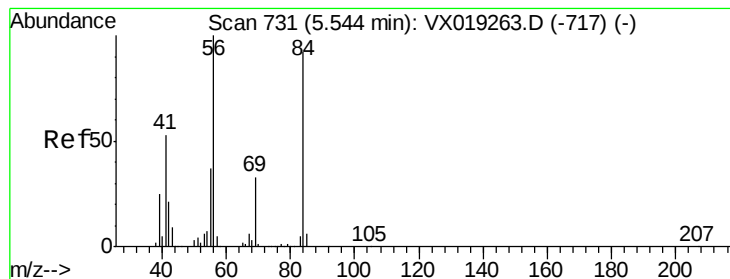
Tgt Ion: 62 Resp: 14307

Ion Ratio Lower Upper

62 100

98 9.4 7.6 11.4





#29

Cvclohexane

Concen: 2.573 ug/L

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

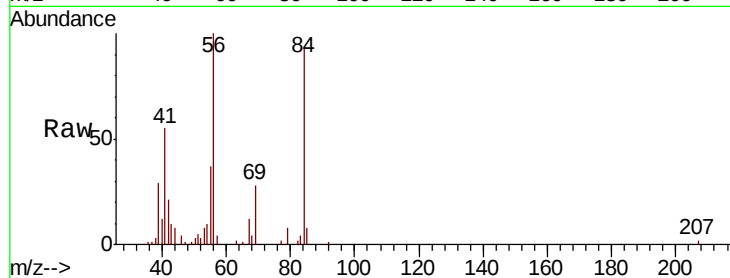
Tot Ion: 56 Resp: 13961

Ion Ratio Lower Upper

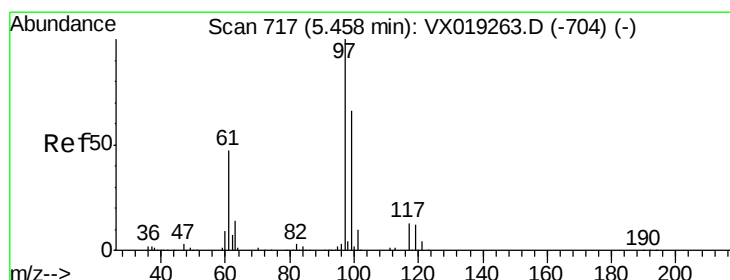
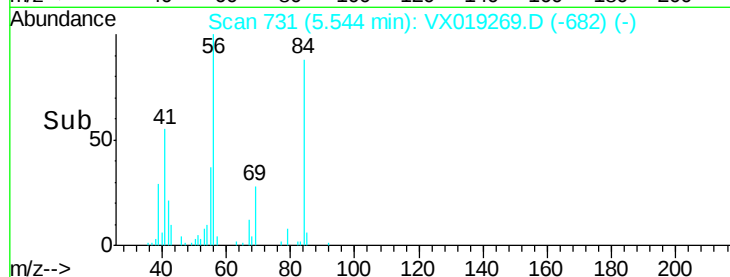
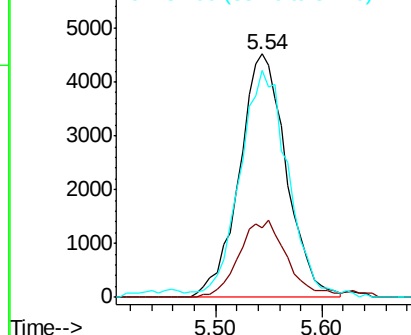
56 100

69 17.0 25.2 37.8#

84 94.9 73.6 110.4



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#30

1,1,1-Trichloroethane

Concen: 2.662 ug/L

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

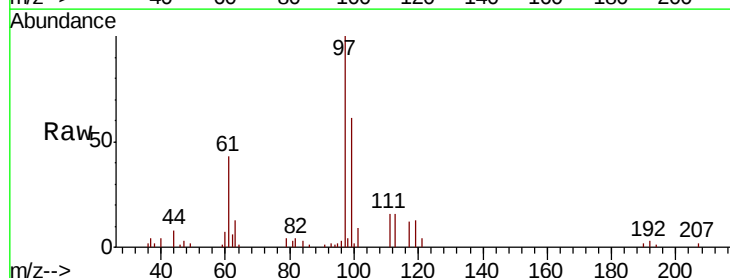
Tgt Ion: 97 Resp: 15125

Ion Ratio Lower Upper

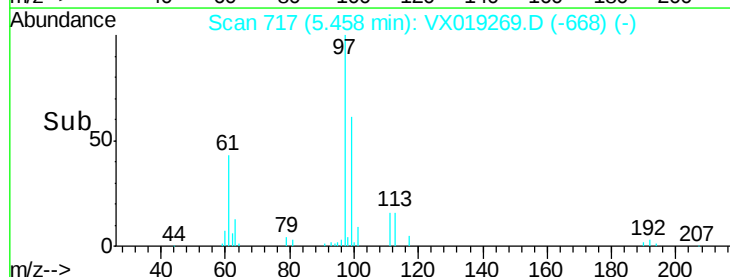
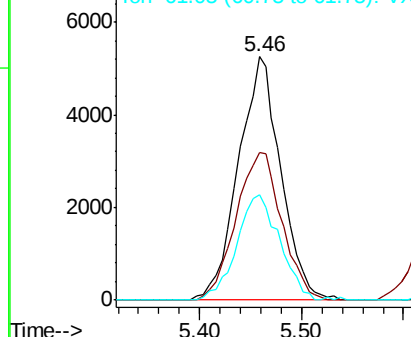
97 100

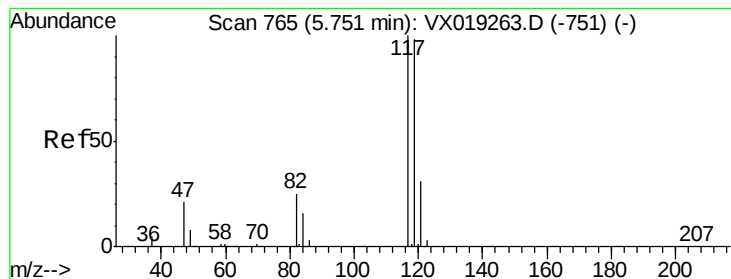
99 65.7 51.0 76.6

61 43.7 34.8 52.2



Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 99.00 (98.70 to 99.70): VX0
Ion 61.05 (60.75 to 61.75): VX0





#31

Carbon tetrachloride

Concen: 2.546 ug/L

RT: 5.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

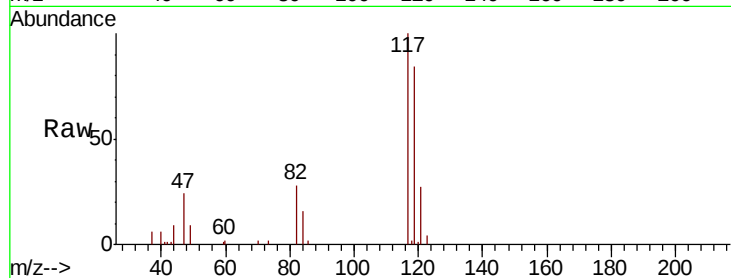
MDL-WATER-06

Tot Ion:117 Resp: 12426

Ion Ratio Lower Upper

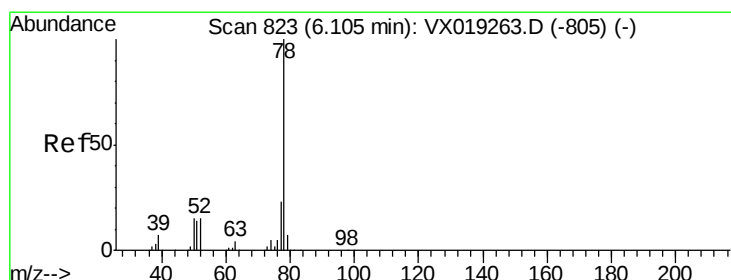
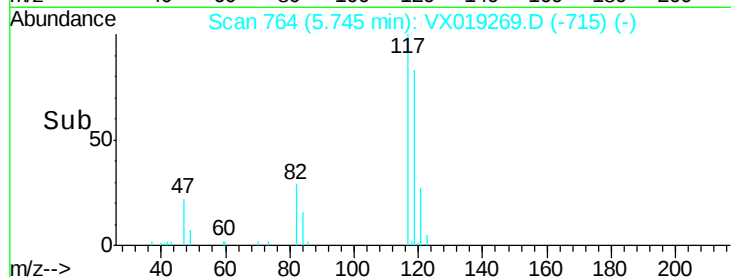
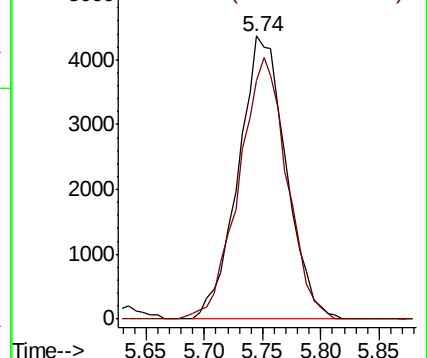
117 100

119 92.9 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.801 ug/L

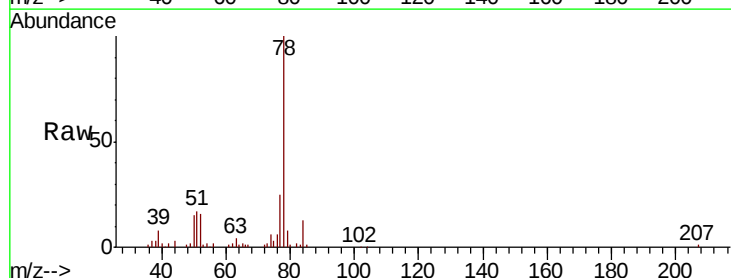
RT: 6.11 min Scan# 824

Delta R.T. 0.01 min

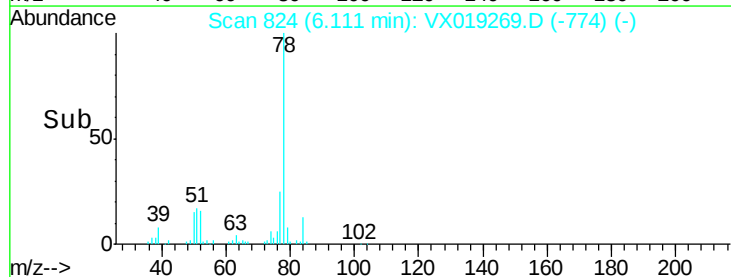
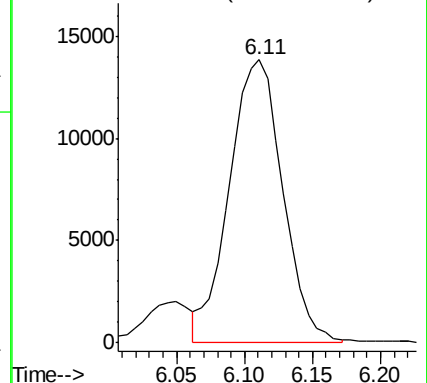
Lab File: VX019269.D

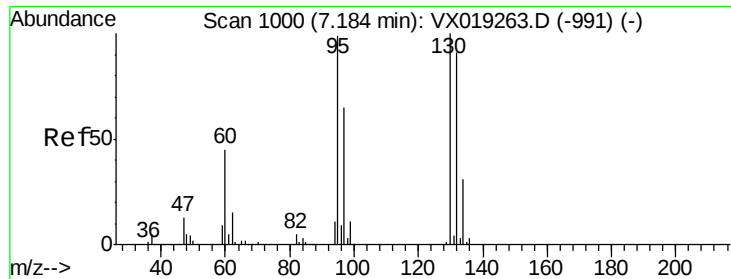
Acq: 04 Nov 2020 13:54

Tgt Ion: 78 Resp: 37895



Abundance Ion 78.00 (77.70 to 78.70): VX0

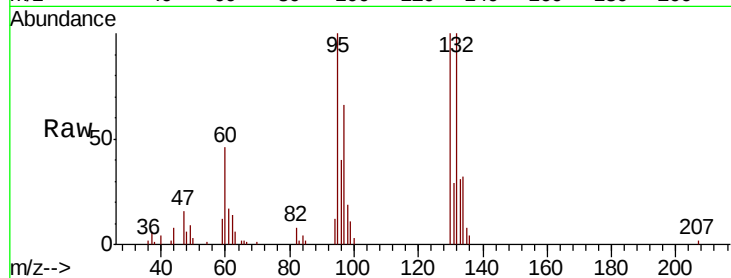




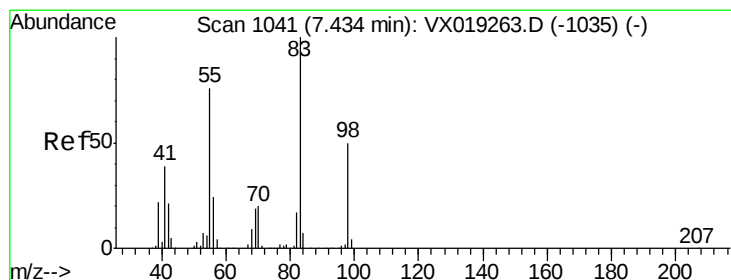
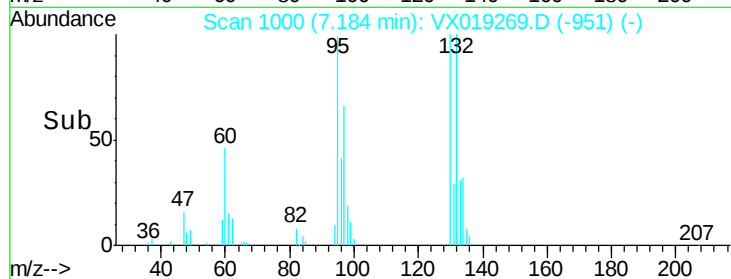
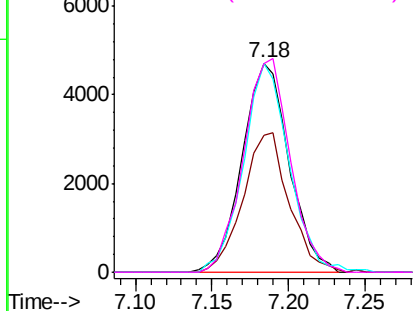
#34
 Trichloroethene
 Concen: 2.732 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

Instrument :
 MSVOA_X
 ClientSampled :
 MDL-WATER-06

Tot Ion: 95 Resp: 10091
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.1 83.9
 132 99.6 67.3 124.9
 130 99.7 69.9 129.9

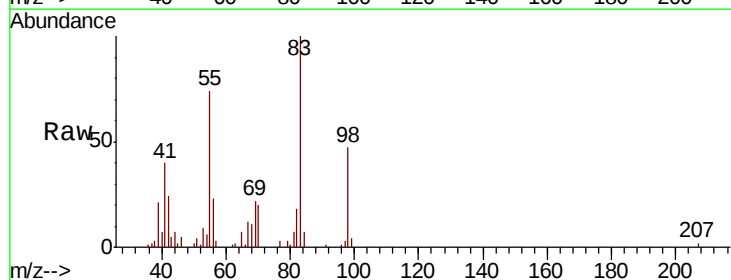


Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 97.00 (96.70 to 97.70): VX0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

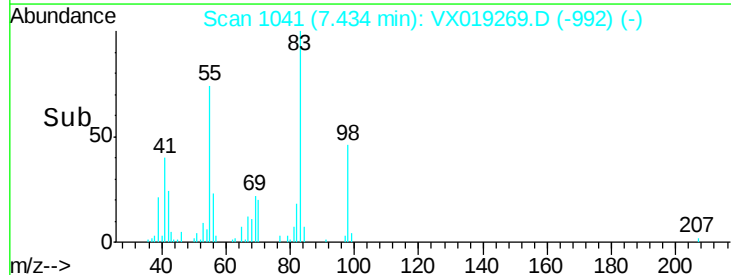
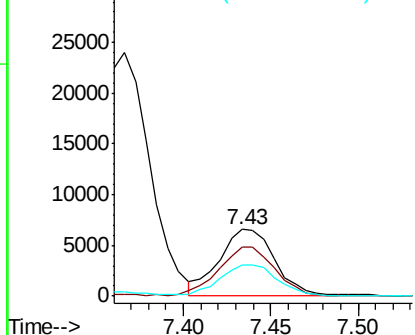


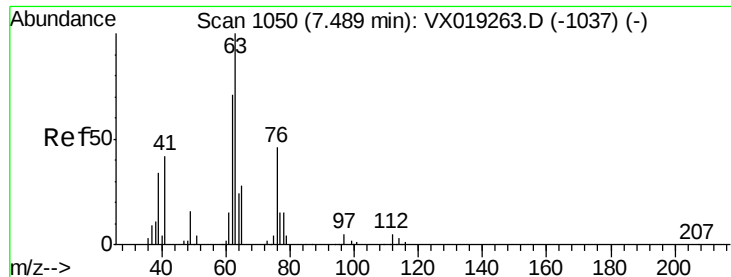
#35
 Methylcyclohexane
 Concen: 2.482 ug/L
 RT: 7.43 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

Tgt Ion: 83 Resp: 14507
 Ion Ratio Lower Upper
 83 100
 55 75.2 58.6 87.8
 98 48.8 39.0 58.6



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 2.874 ug/L

RT: 7.48 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

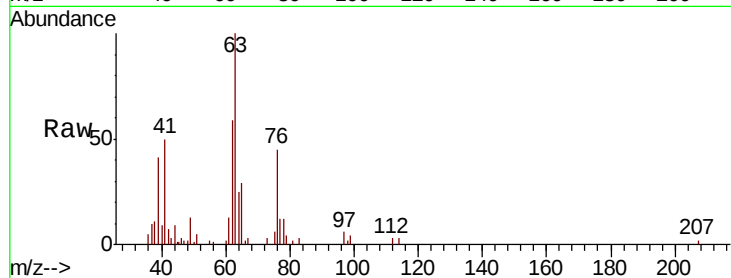
MDL-WATER-06

Tot Ion: 63 Resp: 9659

Ion Ratio Lower Upper

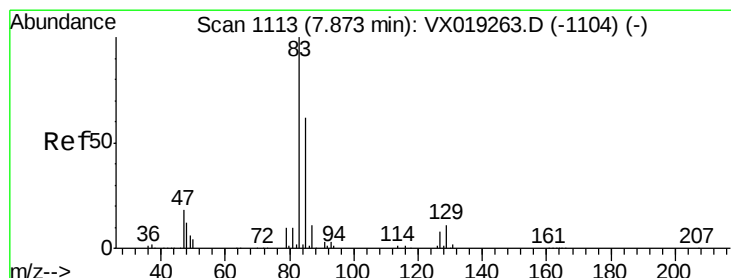
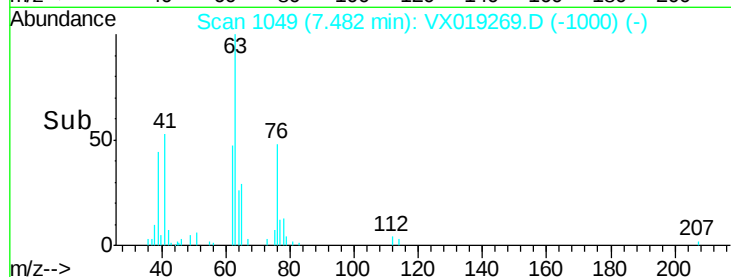
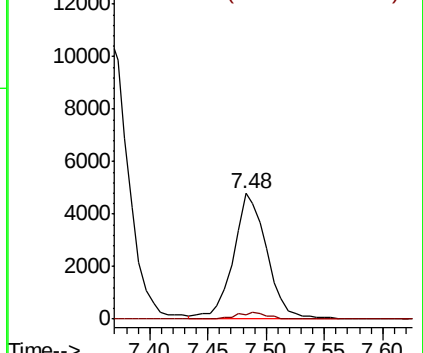
63 100

112 4.5 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 2.598 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

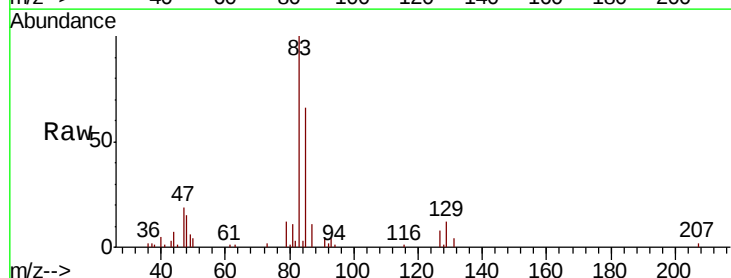
Tgt Ion: 83 Resp: 12141

Ion Ratio Lower Upper

83 100

85 65.7 44.6 82.8

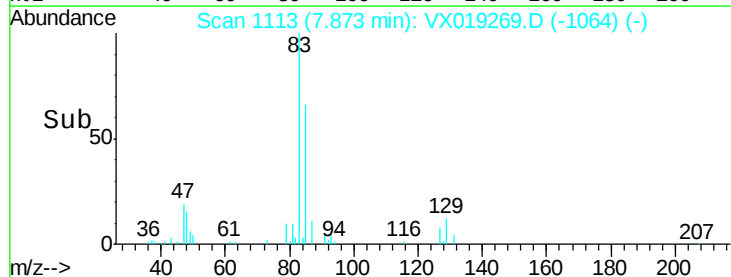
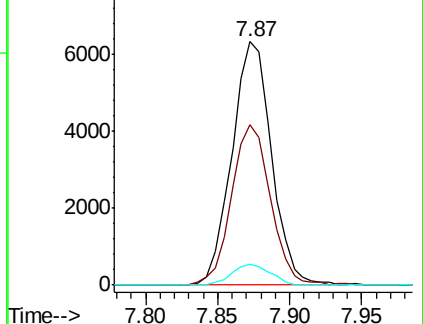
127 8.4 6.8 10.2

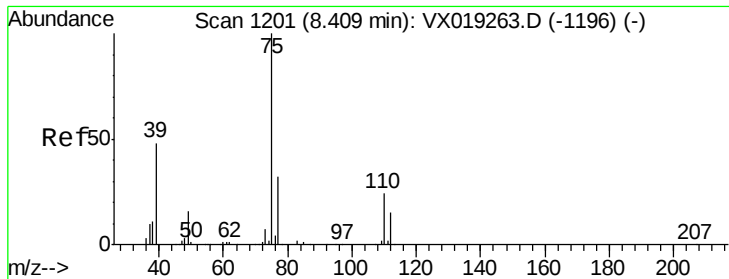


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V

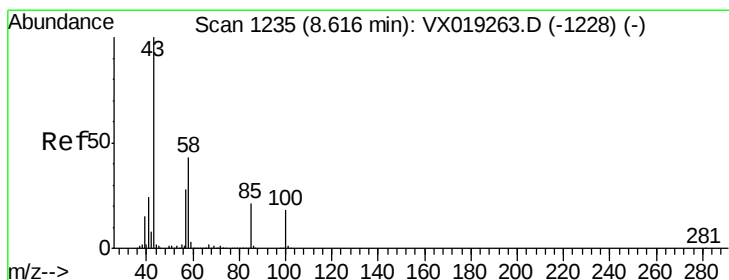
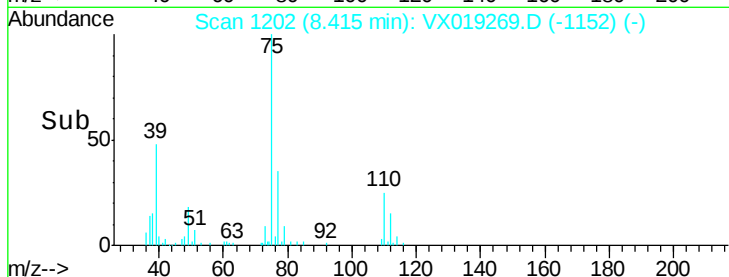
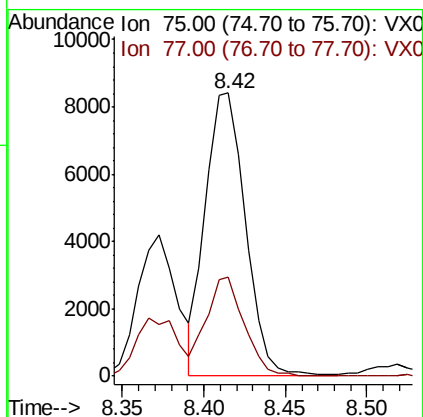
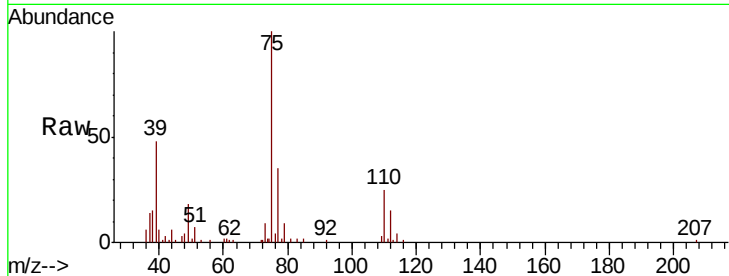




#39
 cis-1,3-Dichloropropene
 Concen: 2.581 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

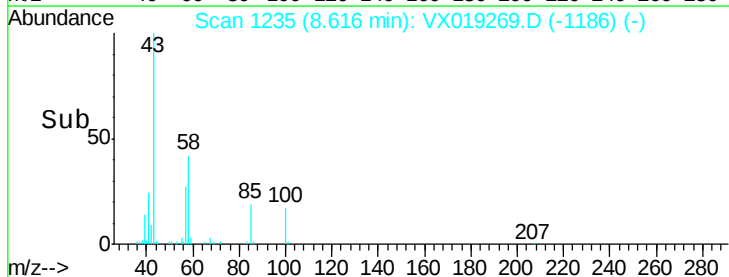
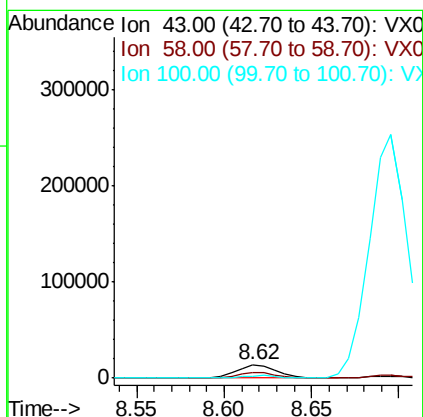
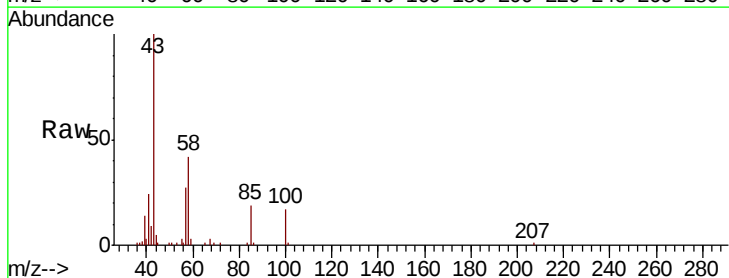
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

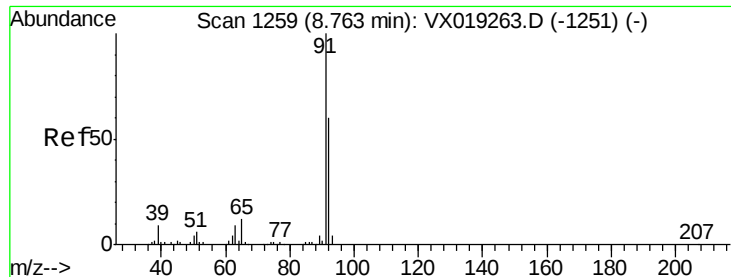
Tot Ion: 75 Resp: 14410
 Ion Ratio Lower Upper
 75 100
 77 34.9 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 5.418 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

Tgt Ion: 43 Resp: 22271
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.1 51.1
 100 18.1 14.8 22.2





#42

Toluene

Concen: 3.314 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

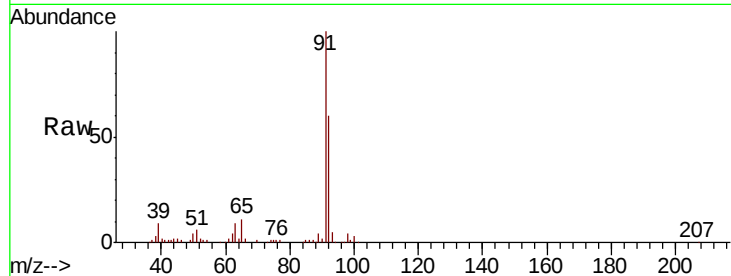
MDL-WATER-06

Tot Ion: 91 Resp: 48776

Ion Ratio Lower Upper

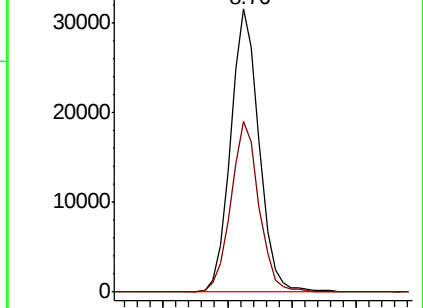
91 100

92 60.3 41.2 76.6

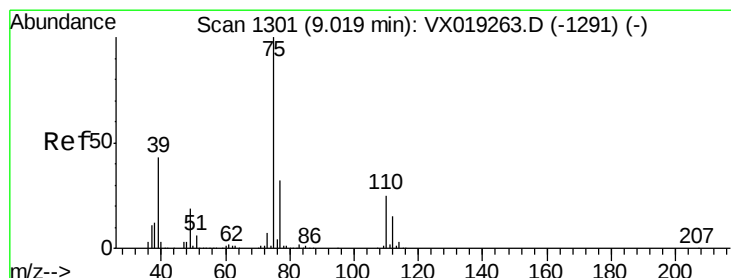
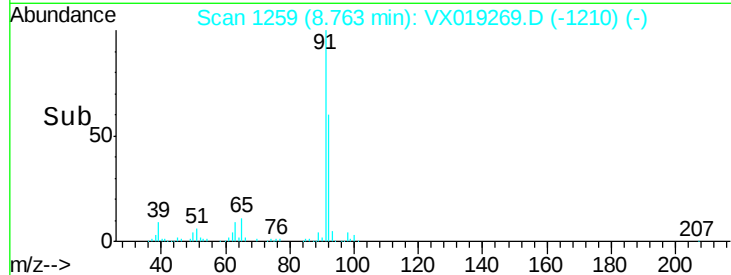


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.606 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019269.D

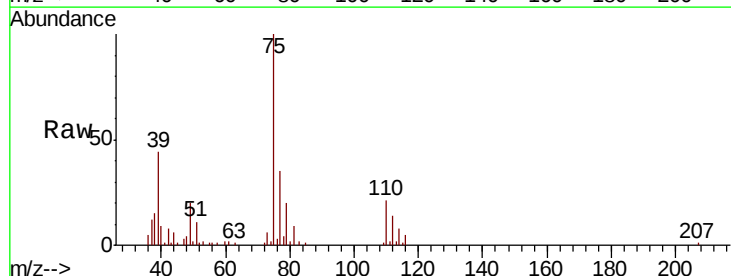
Acq: 04 Nov 2020 13:54

Tgt Ion: 75 Resp: 14175

Ion Ratio Lower Upper

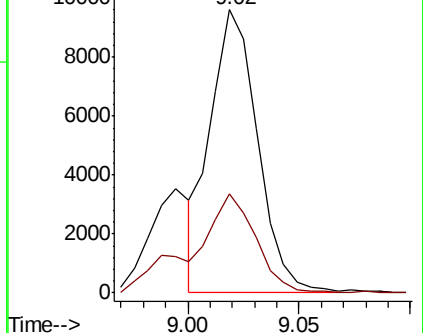
75 100

77 35.1 21.8 40.6

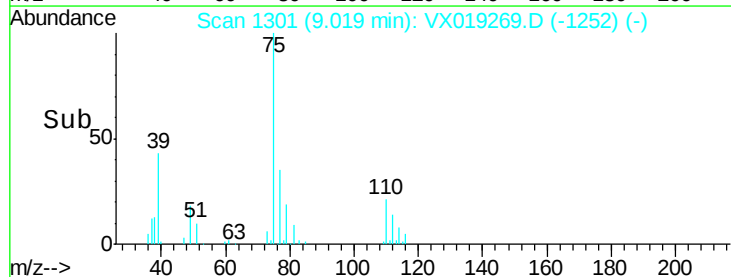


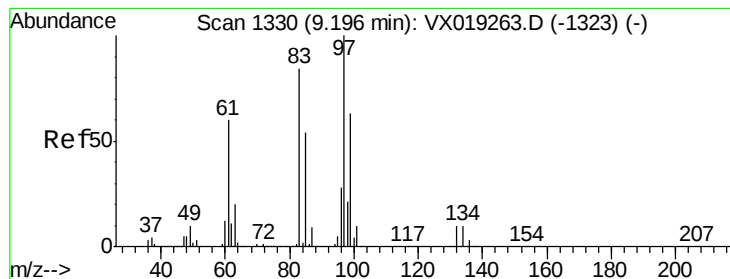
Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->





#45

1,1,2-Trichloroethane

Concen: 2.740 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

Tot Ion: 97 Resp: 9046

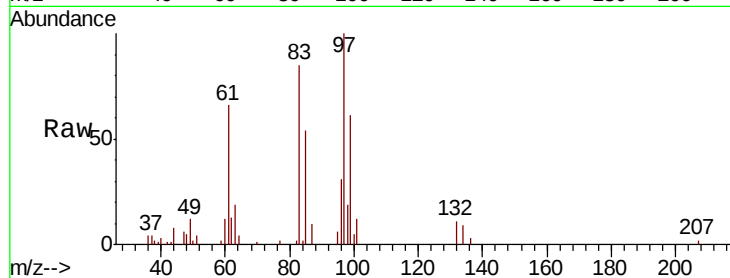
Ion Ratio Lower Upper

97 100

99 61.2 43.3 80.3

83 85.1 59.4 110.4

85 53.6 38.7 71.9

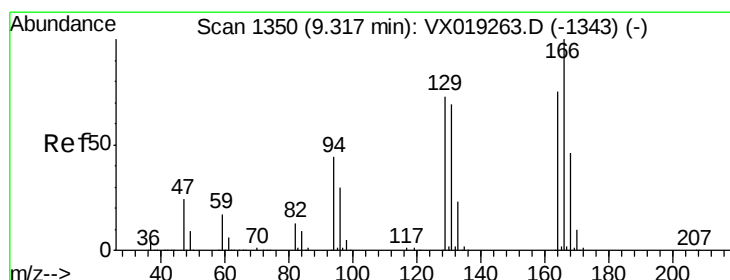
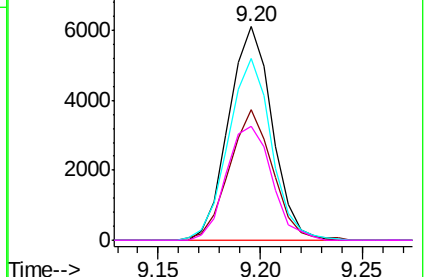
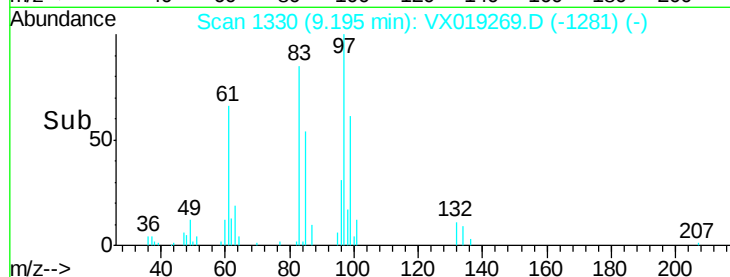


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46

Tetrachloroethene

Concen: 2.679 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Tgt Ion: 164 Resp: 7465

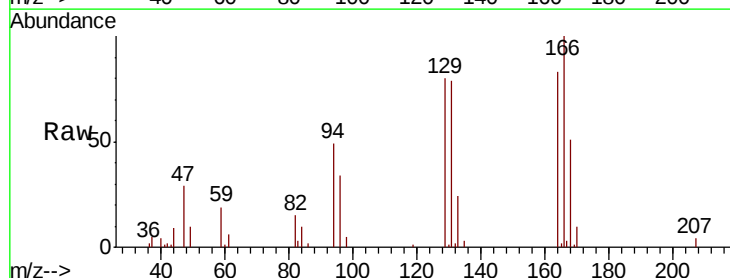
Ion Ratio Lower Upper

164 100

129 95.7 65.2 121.2

131 94.4 62.5 116.1

166 120.1 90.2 167.6

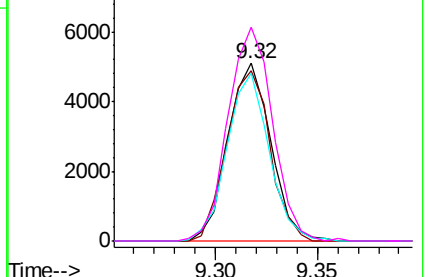
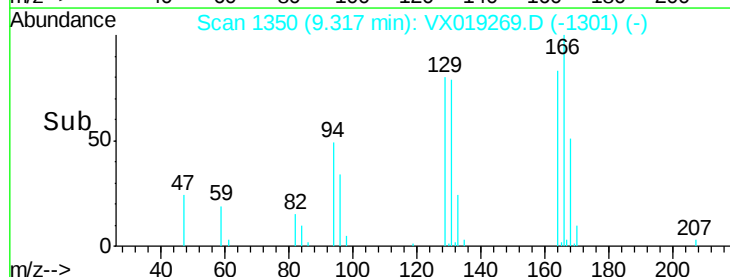


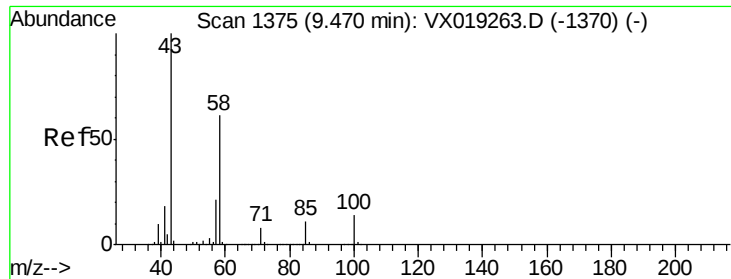
Abundance Ion 164.00 (163.70 to 164.70): V

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

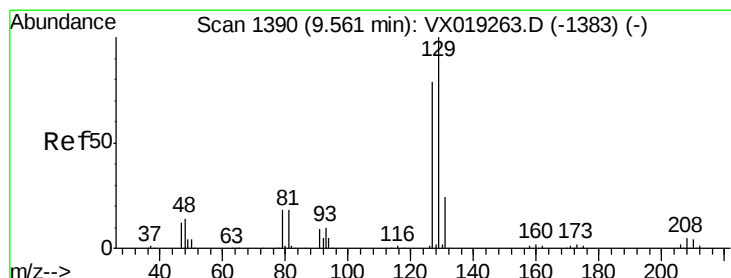
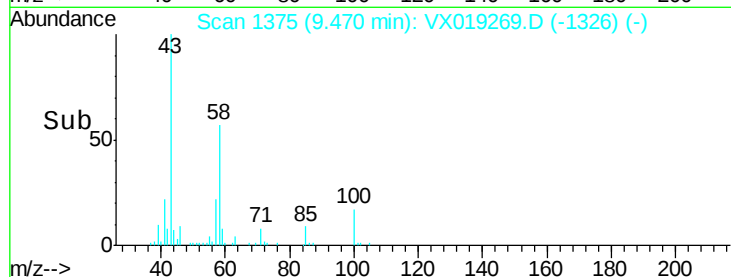
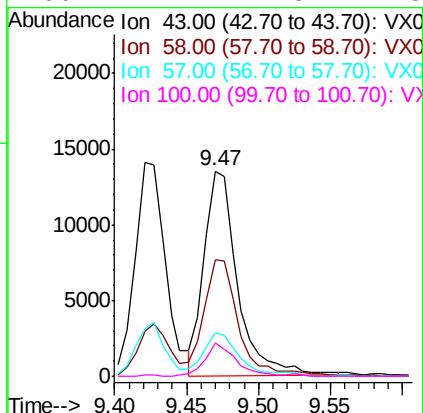
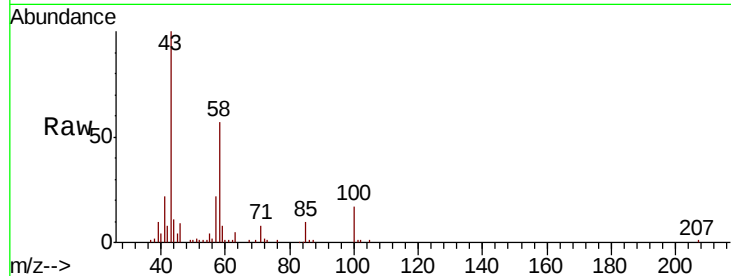




#48
2-Hexanone
Concen: 6.752 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

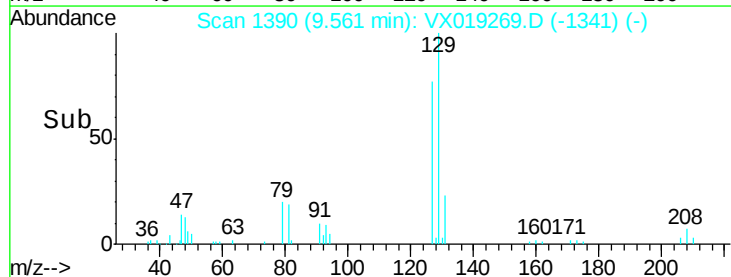
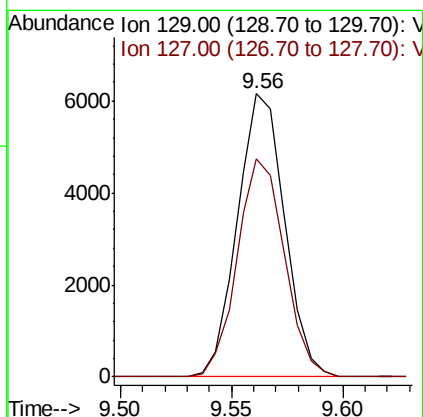
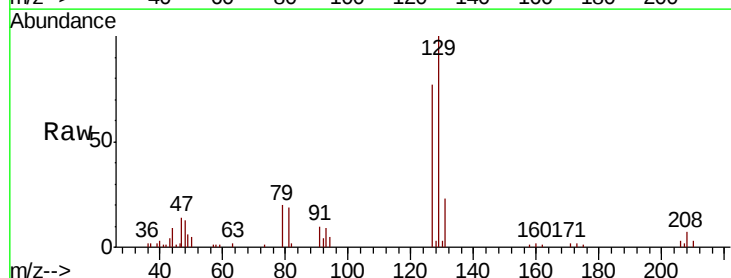
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

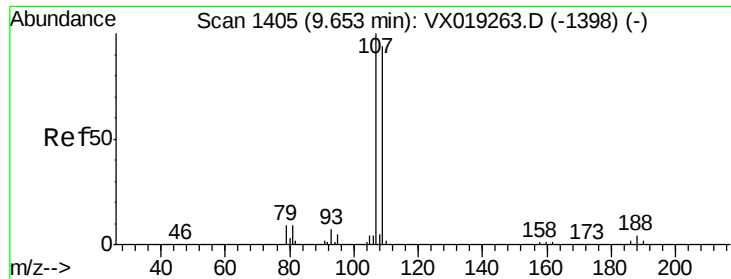
Tot Ion: 43 Resp: 21869
Ion Ratio Lower Upper
43 100
58 59.8 48.2 72.2
57 19.3 17.1 25.7
100 14.7 11.8 17.8



#49
Dibromochloromethane
Concen: 2.515 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

Tgt Ion: 129 Resp: 9084
Ion Ratio Lower Upper
129 100
127 76.9 54.0 100.2





#50

1,2-Dibromoethane

Concen: 2.657 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

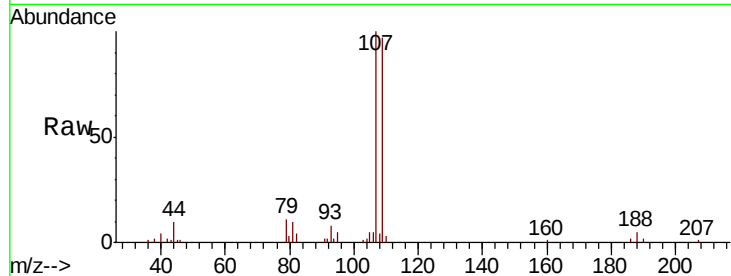
Tot Ion:107 Resp: 9174

Ion Ratio Lower Upper

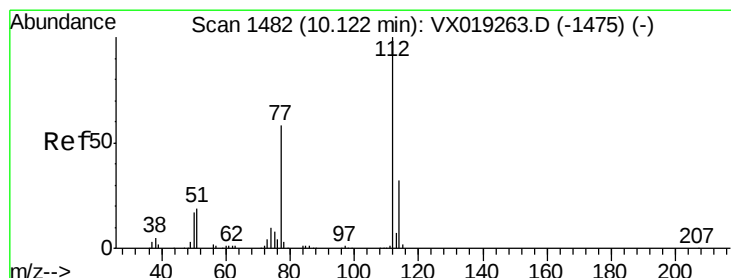
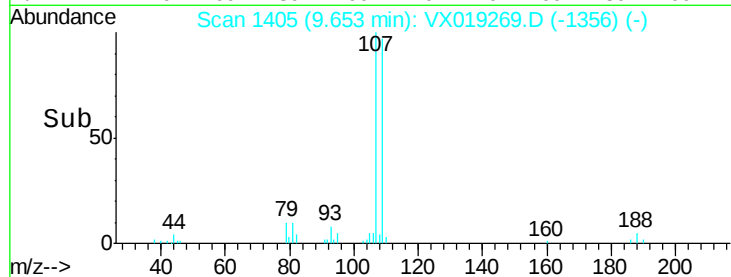
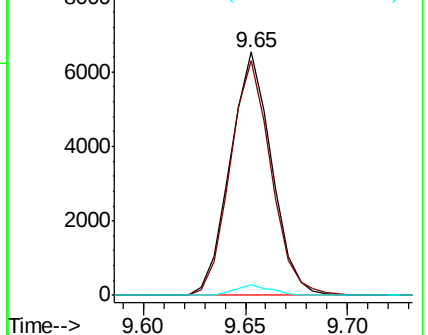
107 100

109 96.6 68.1 126.5

188 4.6 3.0 4.4#



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: 2.776 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

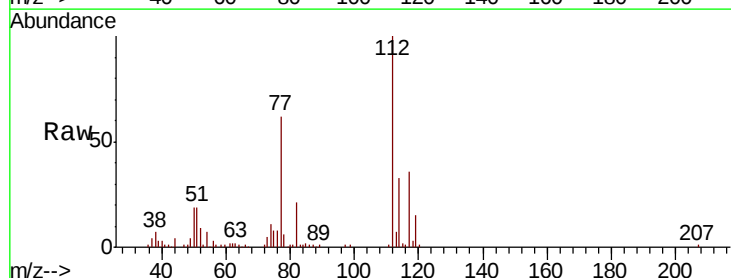
Tgt Ion:112 Resp: 25407

Ion Ratio Lower Upper

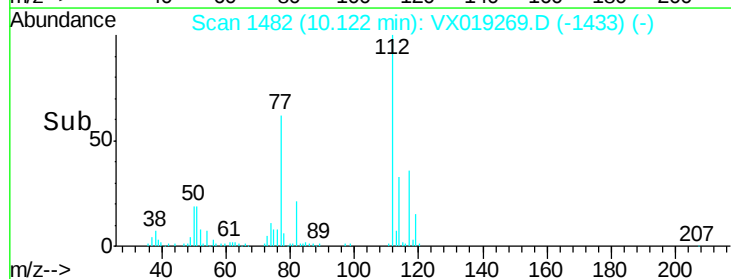
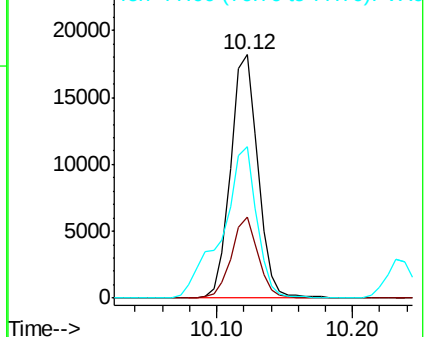
112 100

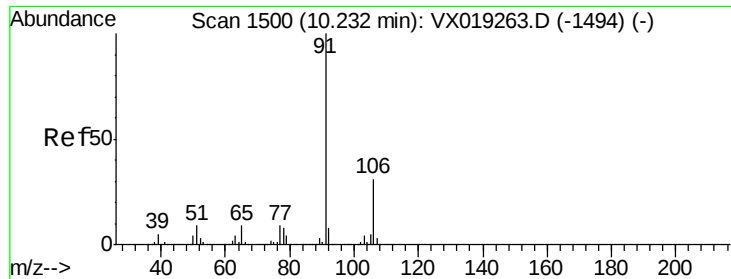
114 33.2 22.2 41.2

77 62.1 46.2 69.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

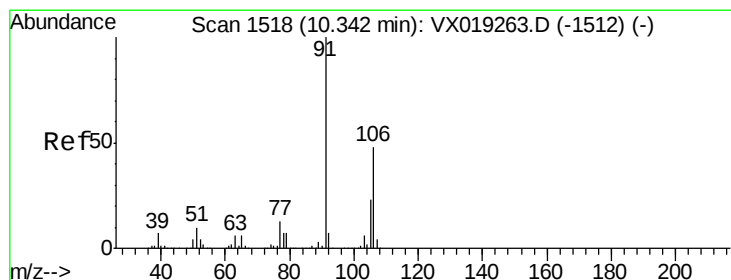
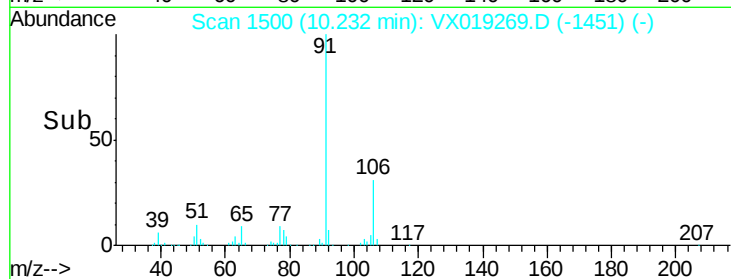
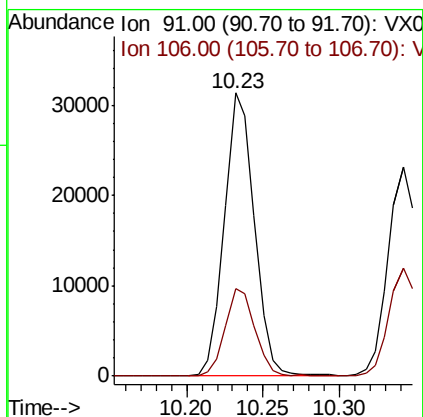
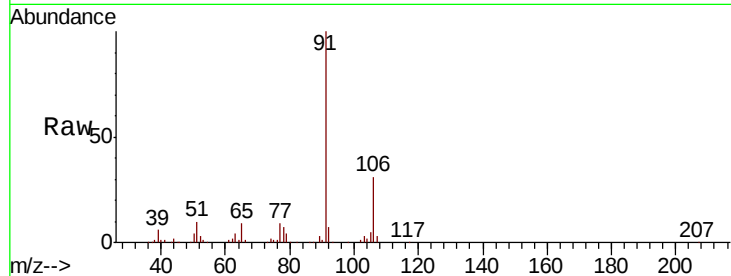




#52
Ethylbenzene
Concen: 2.687 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

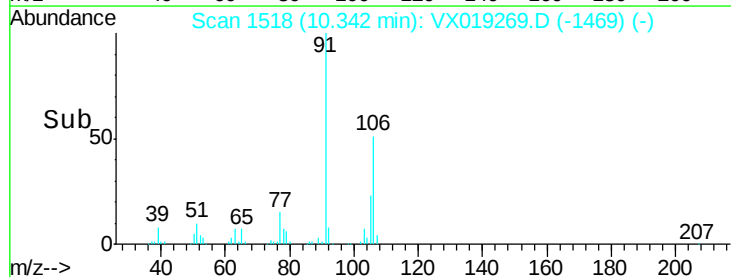
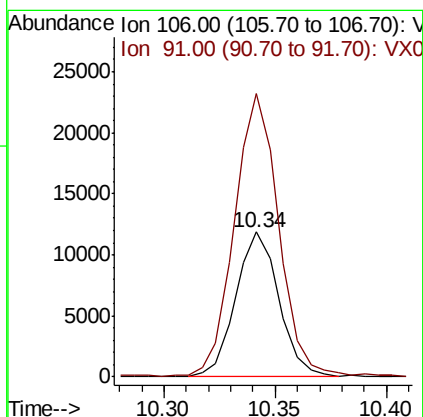
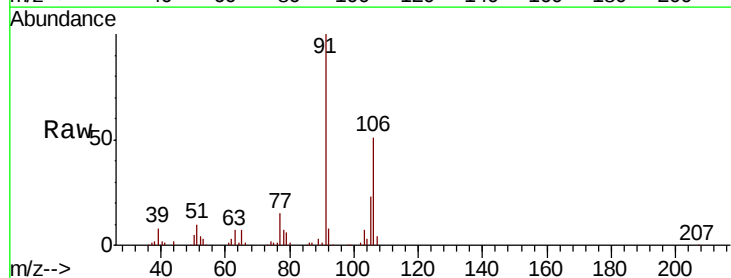
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

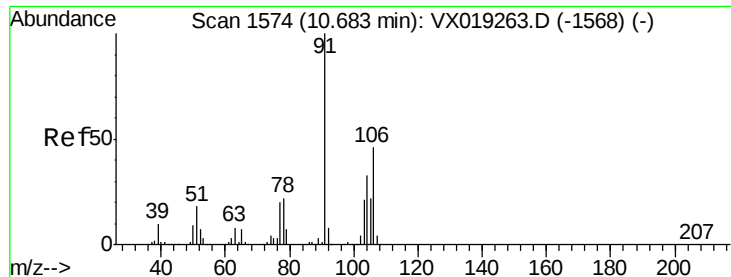
Tot Ion: 91 Resp: 42754
Ion Ratio Lower Upper
91 100
106 31.1 21.5 39.9



#53
m,p-Xylene
Concen: 2.689 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

Tgt Ion: 106 Resp: 16073
Ion Ratio Lower Upper
106 100
91 195.1 144.2 267.8

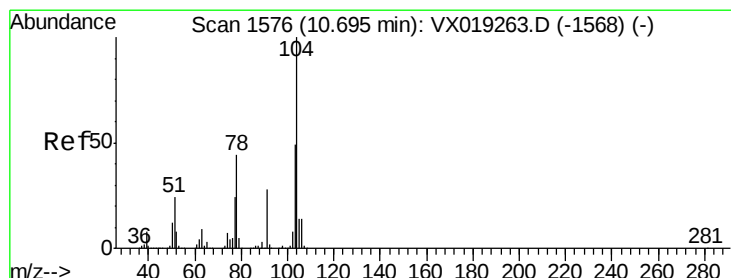
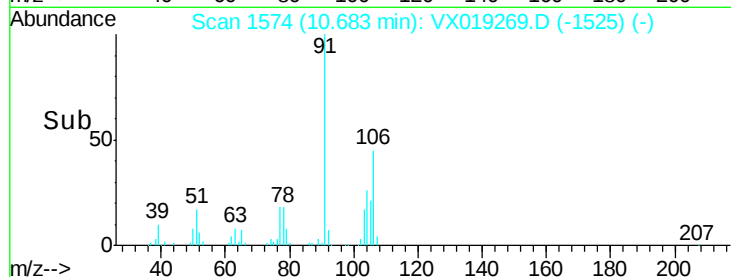
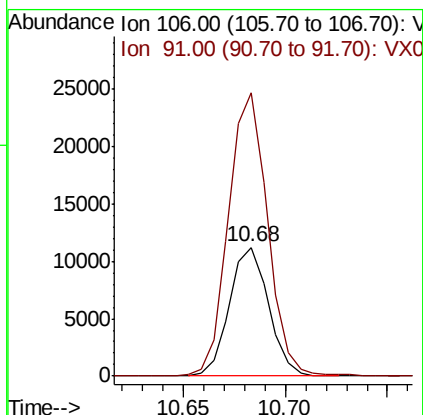
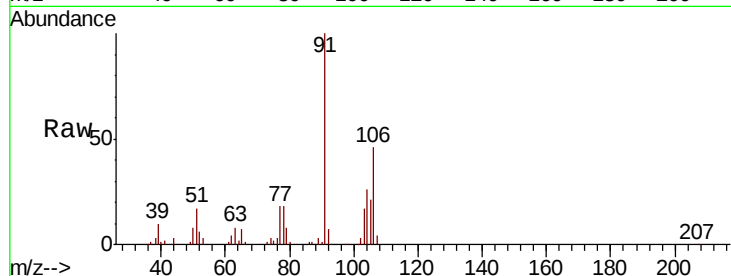




#54
o-Xylene
Concen: 2.584 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

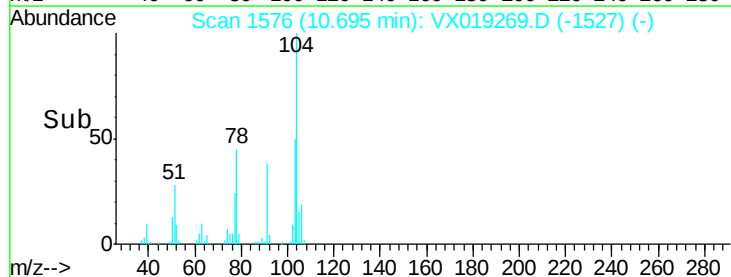
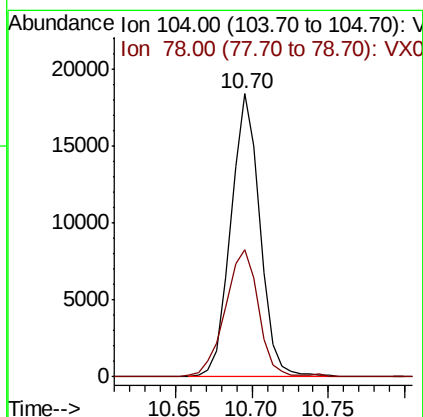
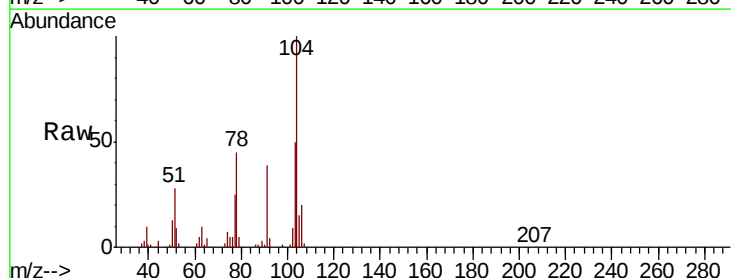
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

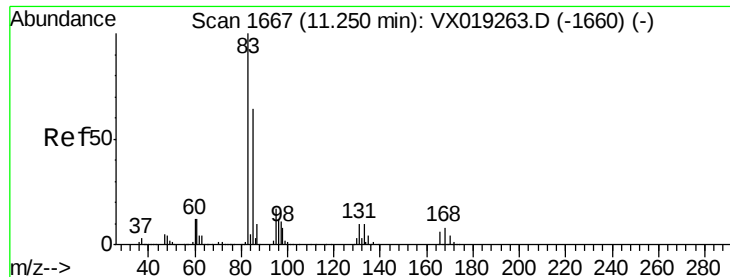
Tot Ion:106 Resp: 14953
Ion Ratio Lower Upper
106 100
91 219.6 153.3 284.7



#55
Styrene
Concen: 2.485 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

Tgt Ion:104 Resp: 24264
Ion Ratio Lower Upper
104 100
78 44.8 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 3.255 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

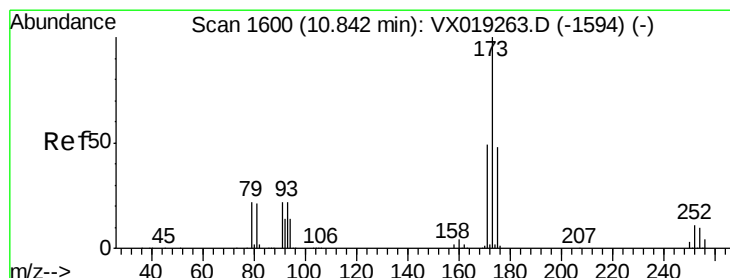
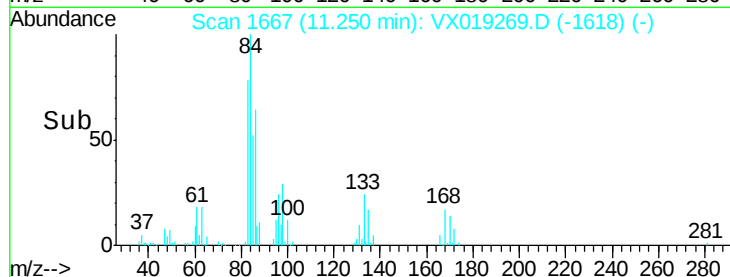
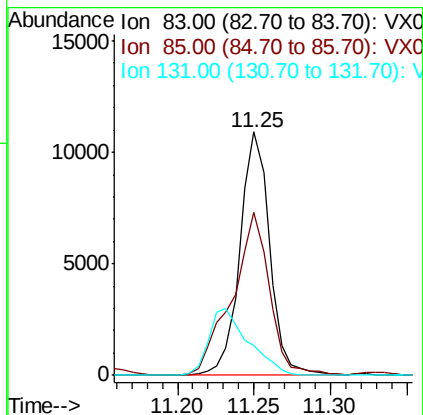
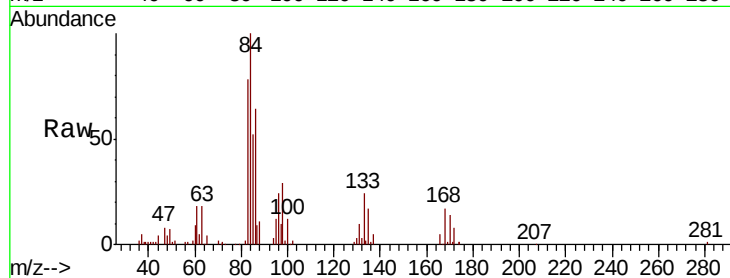
Tot Ion: 83 Resp: 14731

Ion Ratio Lower Upper

83 100

85 66.9 45.9 85.3

131 12.4 7.7 11.5#



#59

Bromoform

Concen: 2.193 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

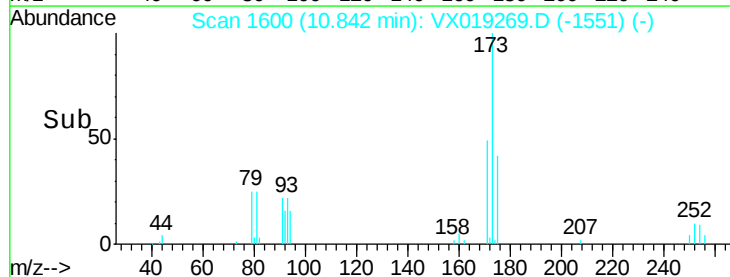
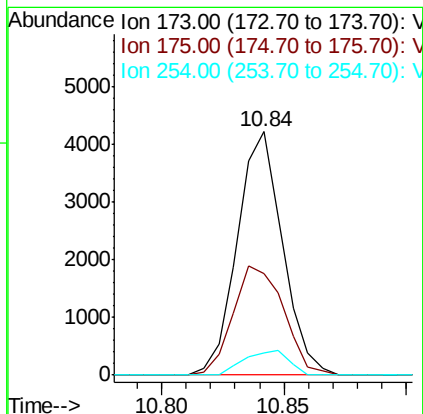
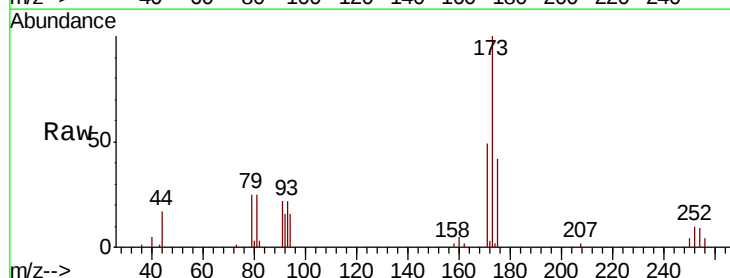
Tgt Ion: 173 Resp: 5463

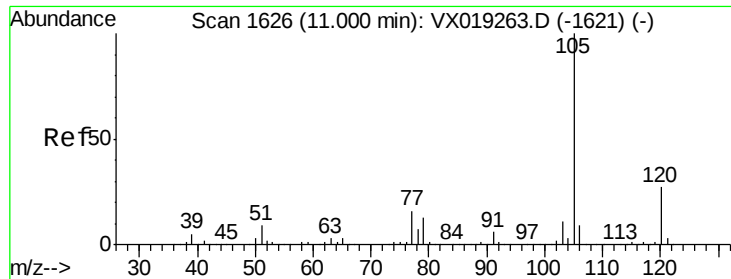
Ion Ratio Lower Upper

173 100

175 50.2 39.7 59.5

254 10.0 8.2 12.4





#60

Isopropylbenzene

Concen: 2.517 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

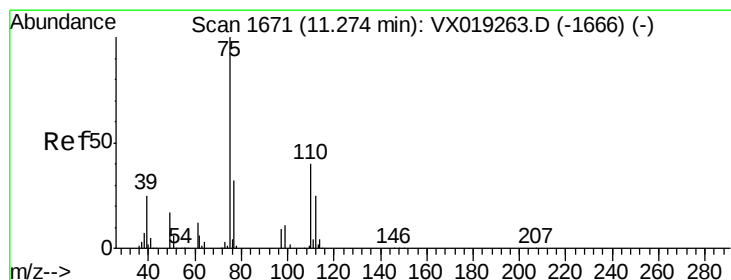
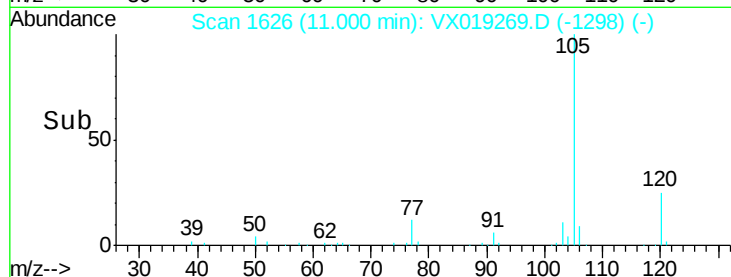
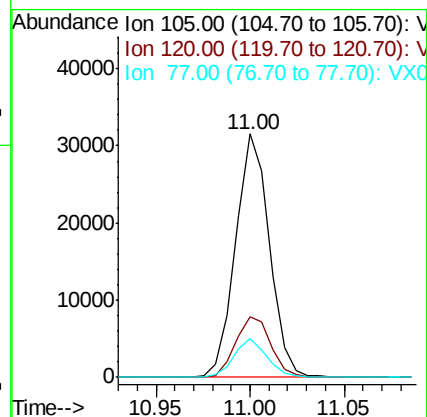
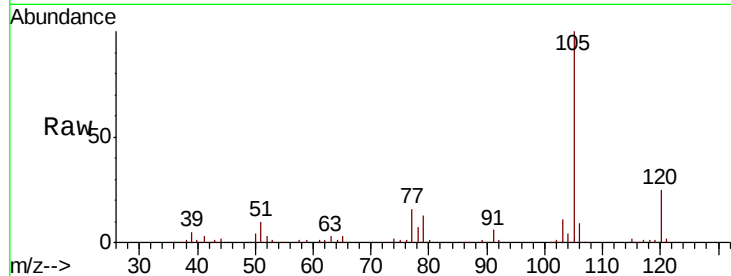
Tot Ion: 105 Resp: 39280

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

77 15.4 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 2.981 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

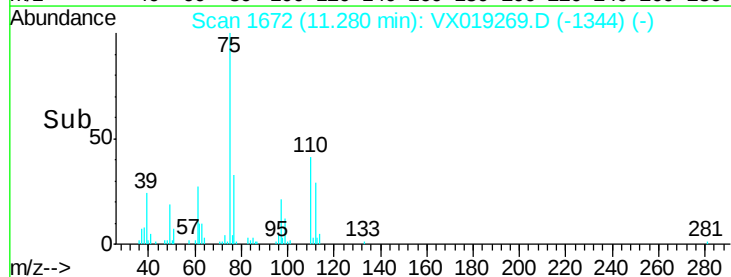
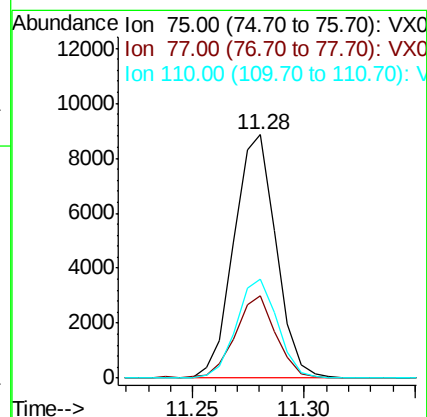
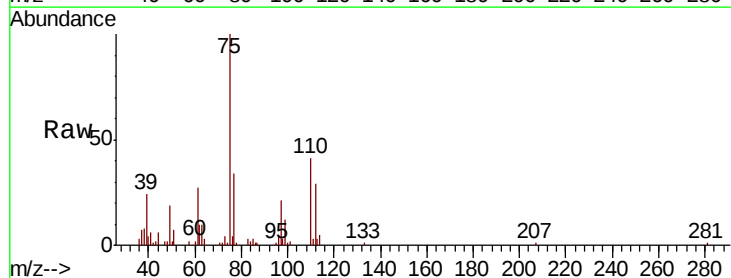
Tgt Ion: 75 Resp: 11677

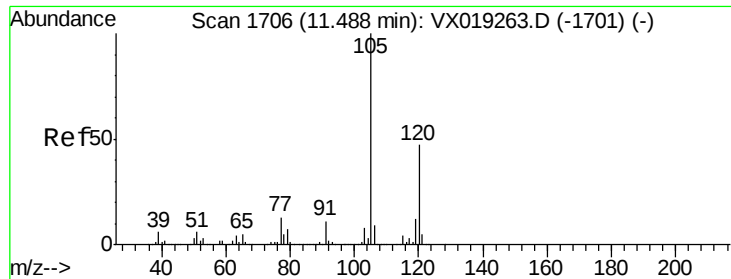
Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

110 39.7 32.2 48.2

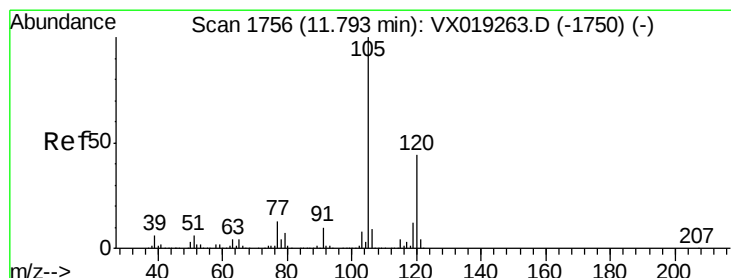
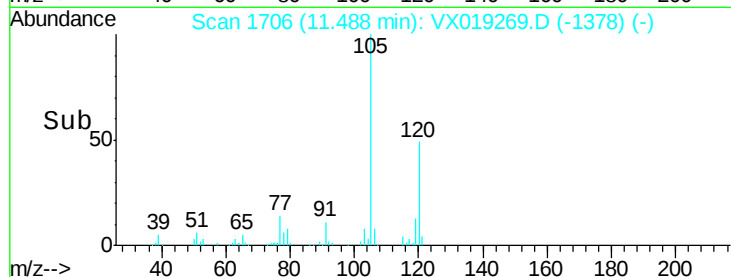
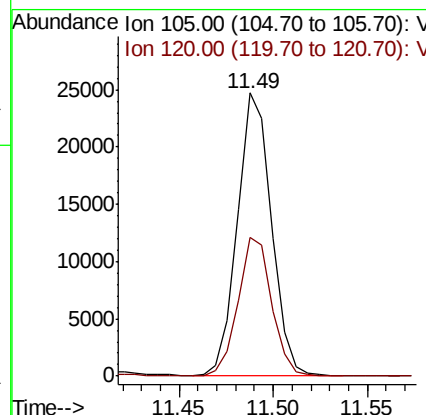
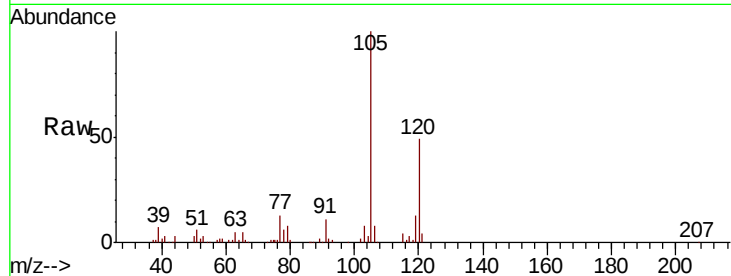




#62
 1,3,5-Trimethylbenzene
 Concen: 2.416 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

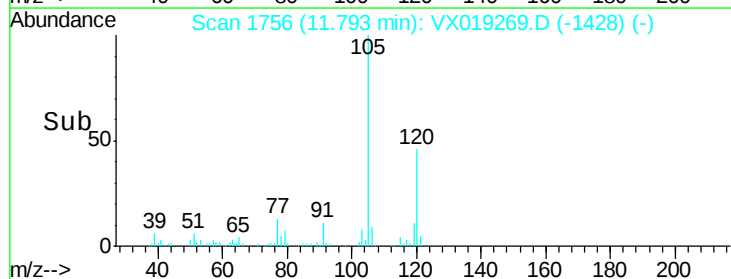
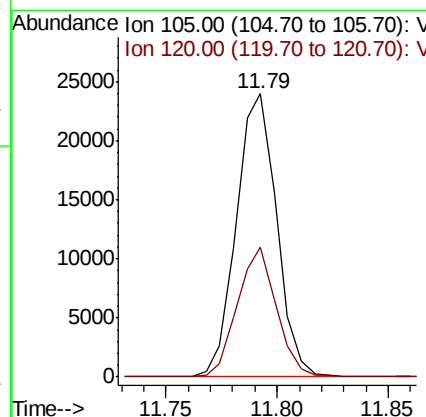
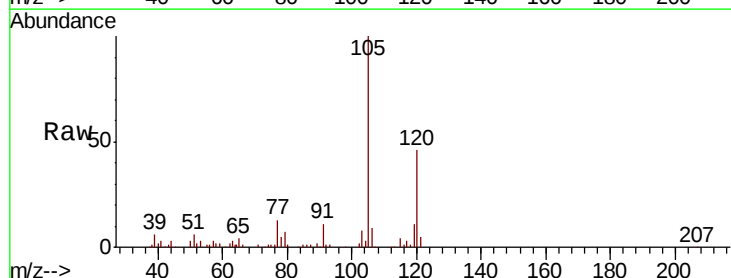
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

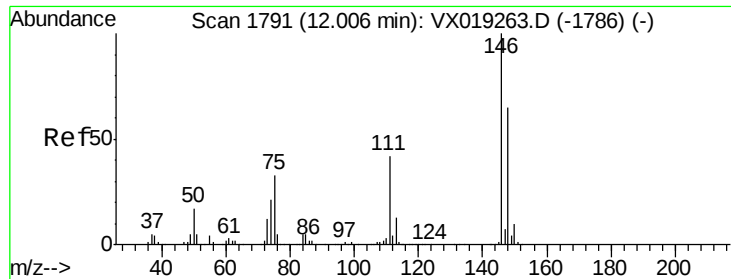
Tot Ion:105 Resp: 31011
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.8 58.2



#63
 1,2,4-Trimethylbenzene
 Concen: 2.487 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

Tgt Ion:105 Resp: 30205
 Ion Ratio Lower Upper
 105 100
 120 44.4 36.0 54.0





#64

1,3-Dichlorobenzene

Concen: 2.710 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

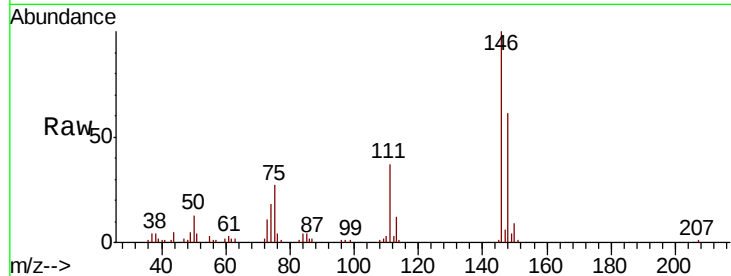
Tot Ion:146 Resp: 18256

Ion Ratio Lower Upper

146 100

111 36.7 29.7 55.1

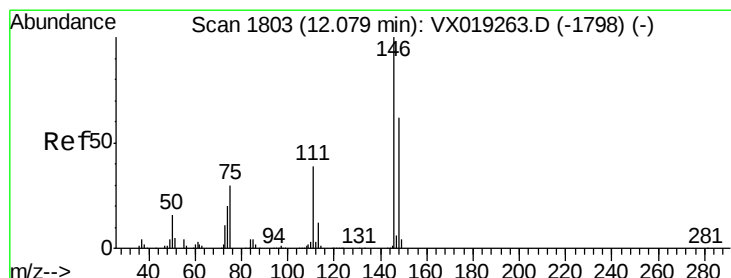
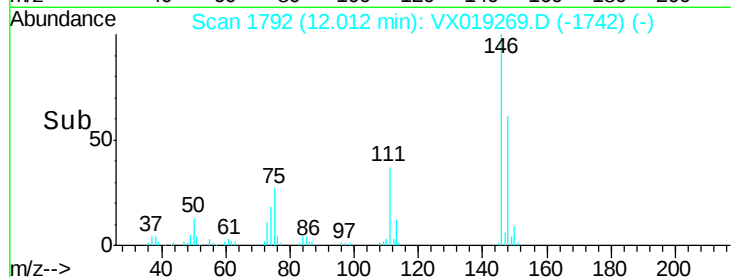
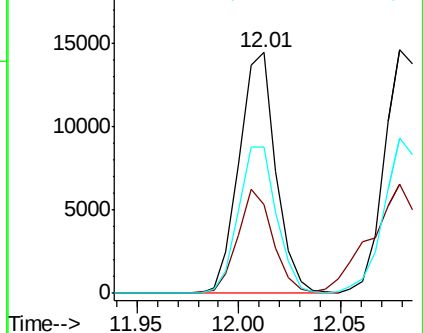
148 60.8 44.5 82.7



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: 2.820 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX019269.D

Acq: 04 Nov 2020 13:54

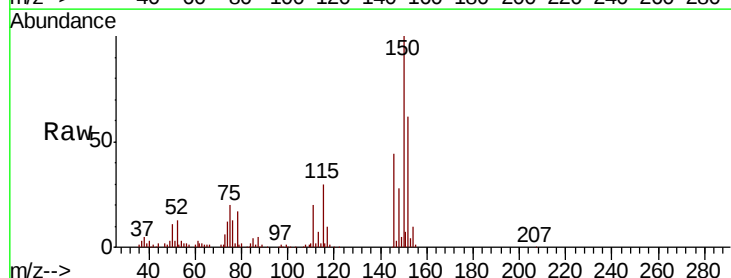
Tgt Ion:146 Resp: 19279

Ion Ratio Lower Upper

146 100

111 44.7 28.1 52.3

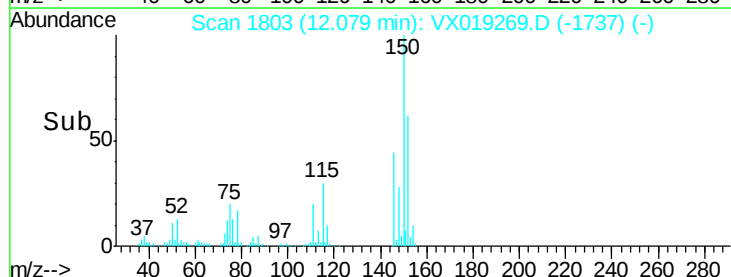
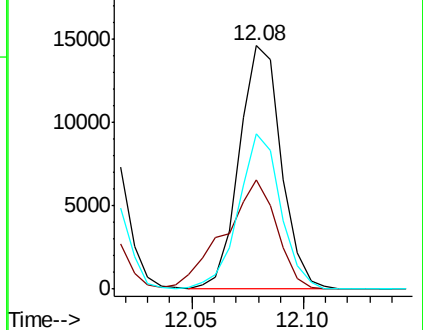
148 64.0 43.8 81.4

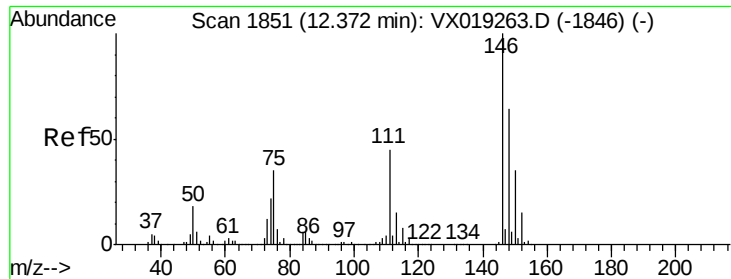


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

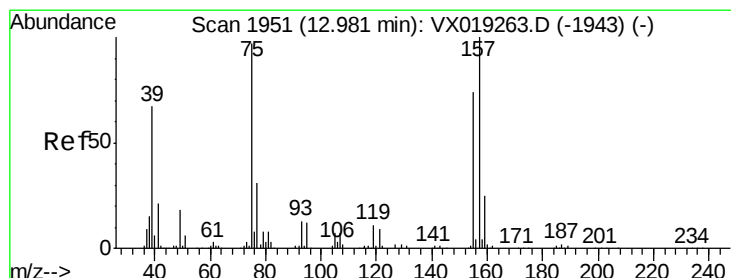
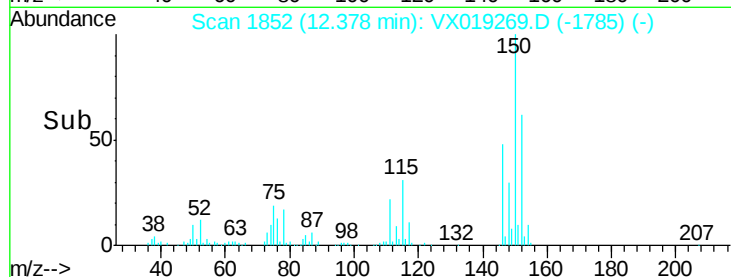
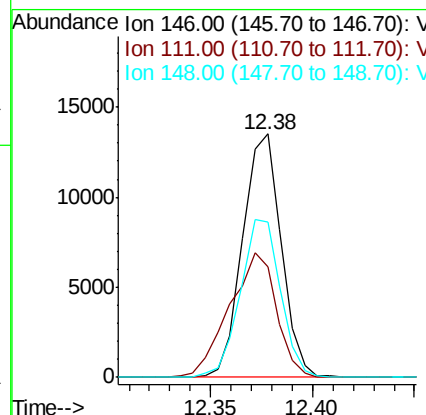
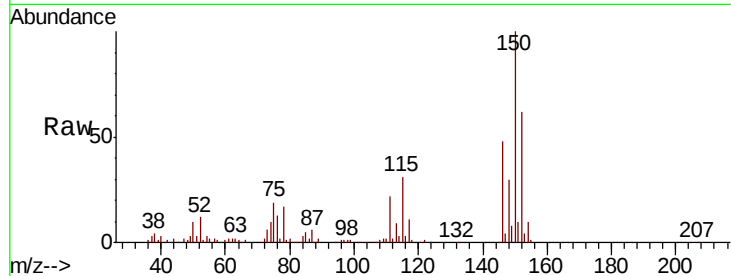




#67
 1,2-Dichlorobenzene
 Concen: 2.711 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

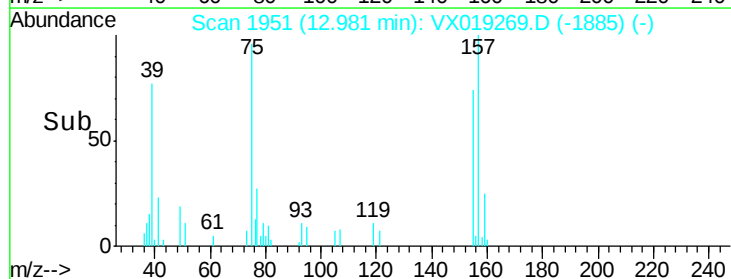
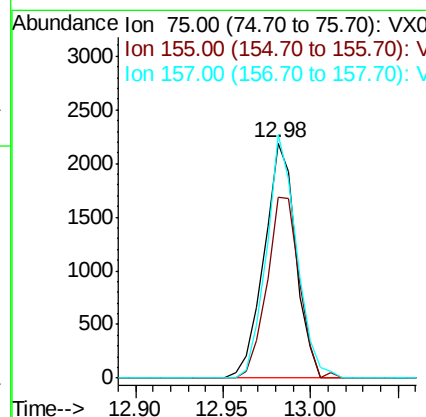
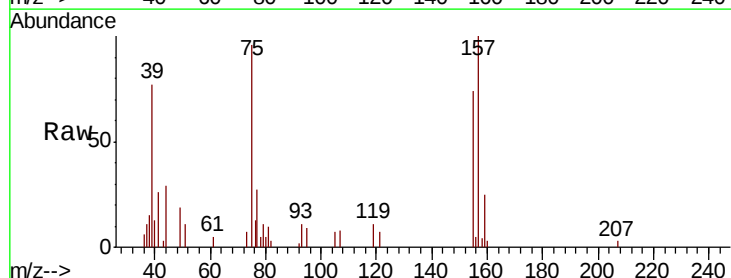
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

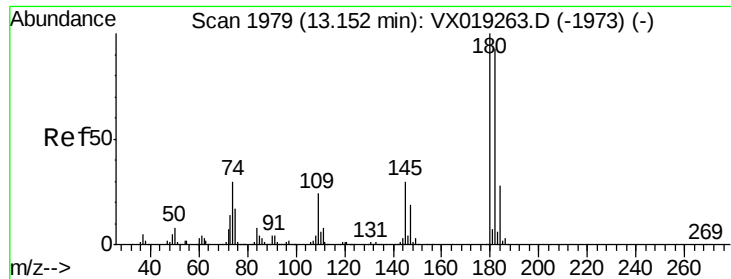
Tot Ion:146 Resp: 17685
 Ion Ratio Lower Upper
 146 100
 111 45.6 35.9 53.9
 148 63.7 52.2 78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.564 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

Tgt Ion: 75 Resp: 2735
 Ion Ratio Lower Upper
 75 100
 155 77.1 65.8 98.8
 157 103.7 82.6 123.8

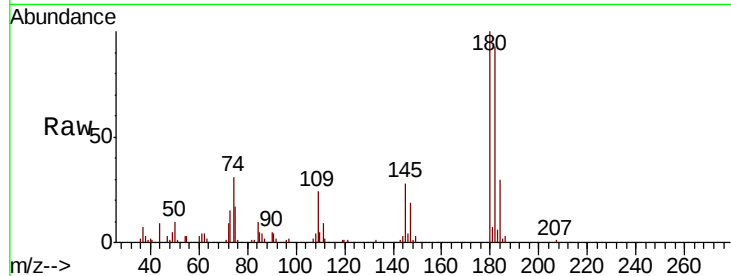




#69
 1,3,5-Trichlorobenzene
 Concen: 2.523 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	78.8	118.2
184	30.5	25.2	37.8
145	28.9	25.8	38.6



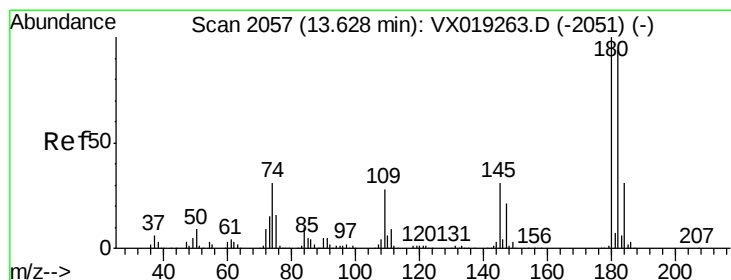
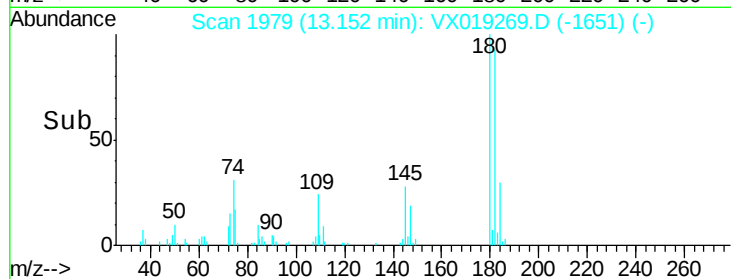
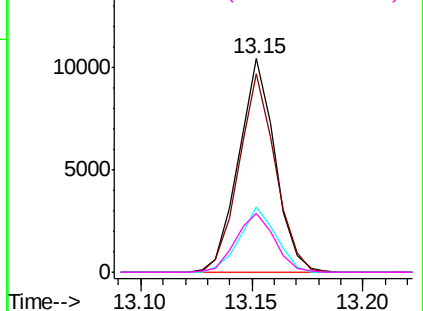
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

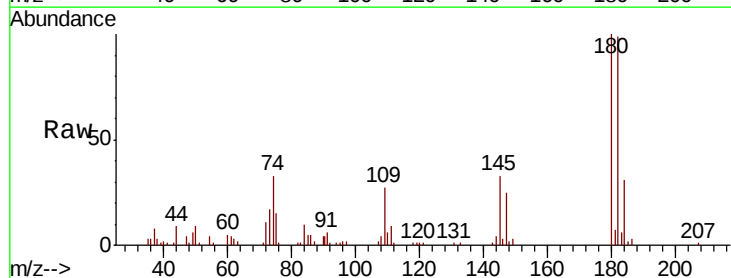
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 2.412 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019269.D
 Acq: 04 Nov 2020 13:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.4	74.6	111.8
145	32.6	25.4	38.0

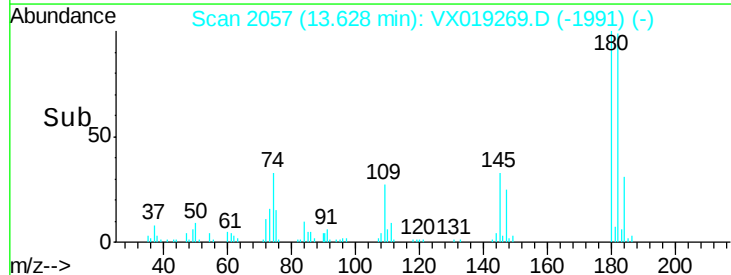
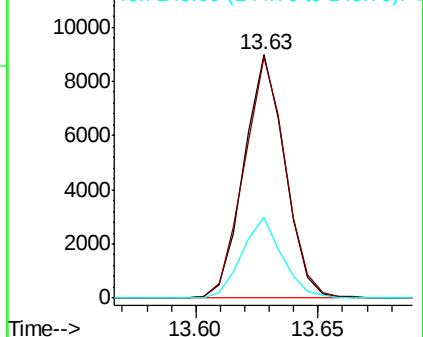


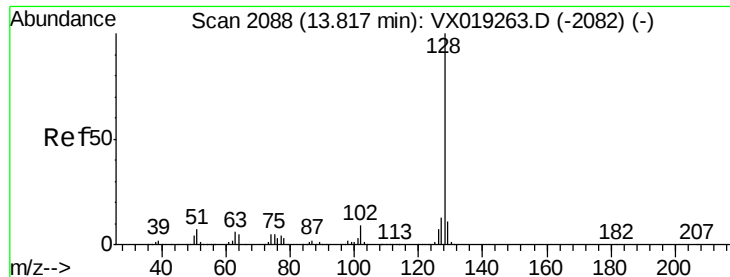
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

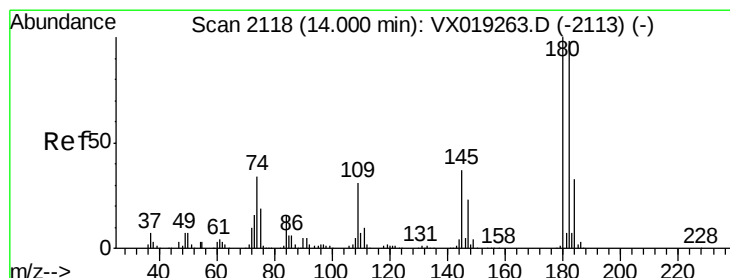
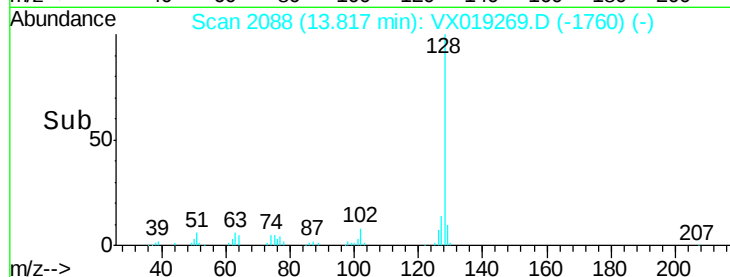
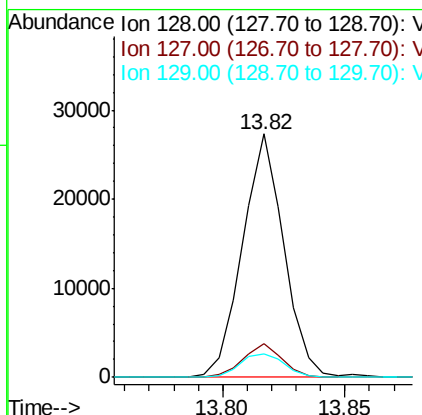
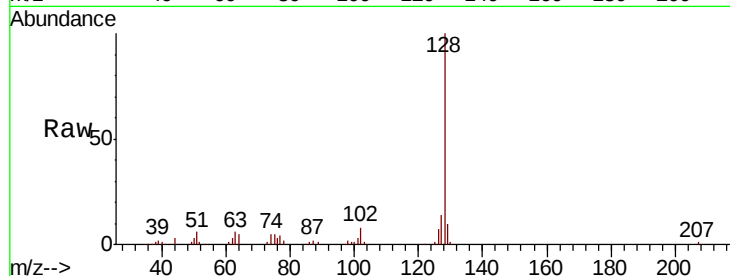




#71
Naphthalene
Concen: 2.285 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.6	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 2.435 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019269.D
Acq: 04 Nov 2020 13:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	75.3	112.9
145	34.9	27.1	40.7

