

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110520\
 Data File : VX019270.D
 Acq On : 04 Nov 2020 14:17
 Operator : JC/MD
 Sample : L4485-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-07

Quant Time: Nov 04 14:42:42 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	6.83	114	396561	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	356495	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	173092	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	141519	41.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.90%
7) Chloroethane-d5	1.70	69	119698	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.44%
11) 1,1-Dichloroethene-d2	2.34	63	195577	34.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.44%
21) 2-Butanone-d5	4.53	46	196954	113.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.08%
24) Chloroform-d	5.14	84	254130	45.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	6.03	65	180452	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.36%
32) Benzene-d6	6.05	84	534234	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.54%
36) 1,2-Dichloropropane-d6	7.37	67	163146	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.86%
41) Toluene-d8	8.70	98	481141	42.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.66%
43) trans-1,3-Dichloropropene-	8.99	79	80634	46.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.06%
47) 2-Hexanone-d5	9.43	63	155208	114.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.99%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	216532	56.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.34%
66) 1,2-Dichlorobenzene-d4	12.36	152	173305	49.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.74%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	6701	2.666	ug/L	98
3) Chloromethane	1.31	50	7086	2.775	ug/L	95
5) Vinyl chloride	1.39	62	8545	2.969	ug/L #	69
6) Bromomethane	1.64	94	5593	2.941	ug/L	100
8) Chloroethane	1.72	64	5486	3.058	ug/L	94
9) Trichlorofluoromethane	1.92	101	11704	2.741	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	8537	3.466	ug/L #	83
12) 1,1-Dichloroethene	2.36	96	7935	3.320	ug/L #	1
13) Acetone	2.43	43	6763	6.283	ug/L	99
14) Carbon disulfide	2.56	76	18314	2.539	ug/L	97
15) Methyl Acetate	2.75	43	7091	3.019	ug/L	99
16) Methylene chloride	2.84	84	7944	2.981	ug/L	99
17) trans-1,2-Dichloroethene	3.14	96	6977	2.716	ug/L	99
18) Methyl tert-butyl Ether	3.17	73	22402	2.758	ug/L	98
19) 1,1-Dichloroethane	3.67	63	12585	2.757	ug/L	99
20) cis-1,2-Dichloroethene	4.56	96	7751	2.747	ug/L	88
22) 2-Butanone	4.64	43	9662	5.684	ug/L #	71

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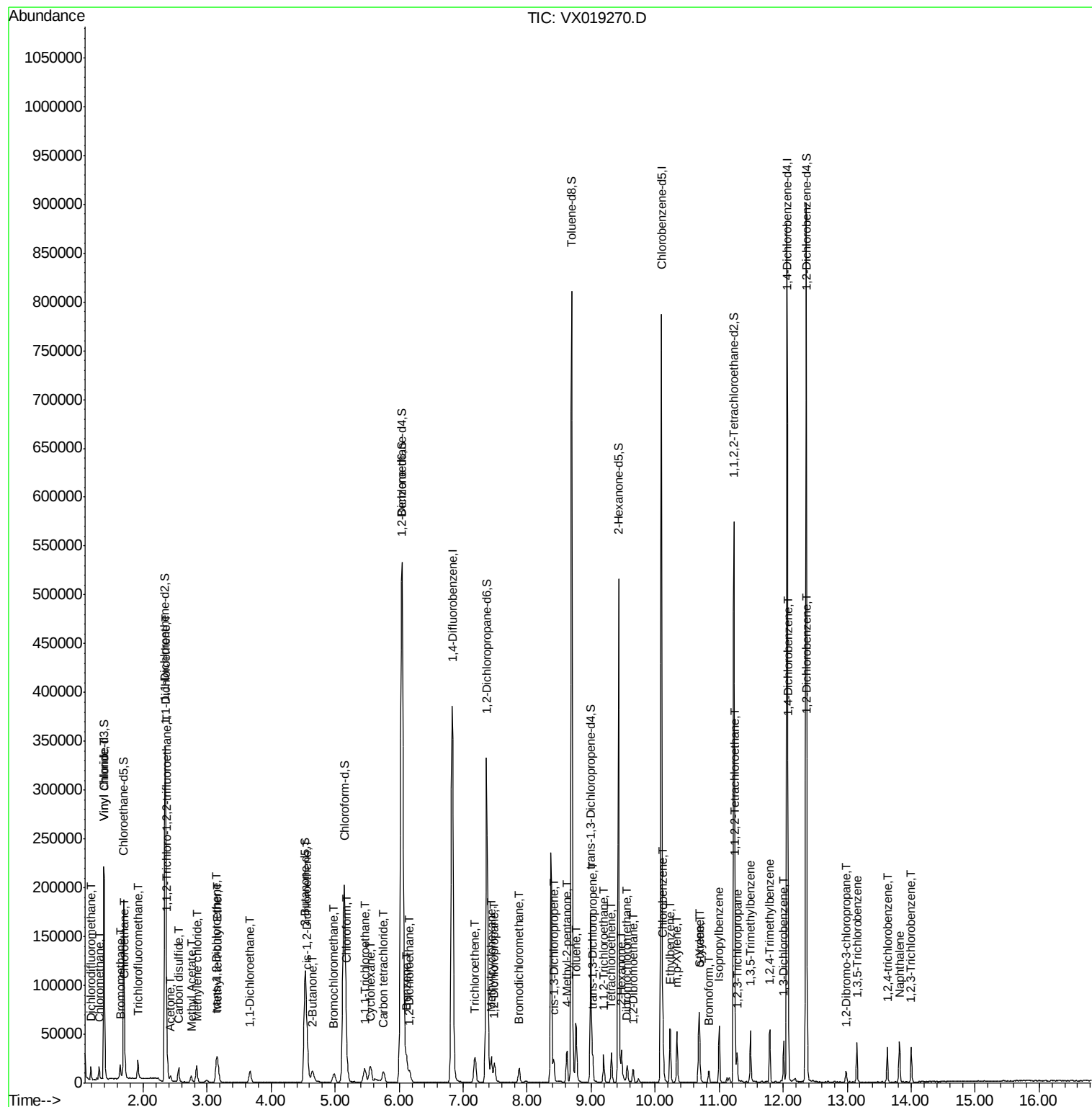
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	3912	2.753	ug/L	87
25) Chloroform	5.18	83	27648	5.770	ug/L	97
27) 1,2-Dichloroethane	6.17	62	10980	2.910	ug/L #	94
29) Cyclohexane	5.54	56	10990	2.678	ug/L	98
30) 1,1,1-Trichloroethane	5.46	97	11676	2.717	ug/L	98
31) Carbon tetrachloride	5.76	117	9725	2.634	ug/L	97
33) Benzene	6.12	78	28831	2.817	ug/L	100
34) Trichloroethene	7.19	95	7787	2.788	ug/L	93
35) Methylcyclohexane	7.44	83	11141	2.520	ug/L	99
37) 1,2-Dichloropropane	7.49	63	7525	2.960	ug/L	98
38) Bromodichloromethane	7.87	83	9285	2.626	ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	11187	2.649	ug/L	96
40) 4-Methyl-2-pentanone	8.62	43	17955	5.775	ug/L	99
42) Toluene	8.76	91	37589	3.376	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	11500	2.795	ug/L	95
45) 1,1,2-Trichloroethane	9.20	97	7024	2.812	ug/L	93
46) Tetrachloroethene	9.32	164	5680	2.695	ug/L	88
48) 2-Hexanone	9.47	43	18232	7.442	ug/L	94
49) Dibromochloromethane	9.56	129	6970	2.551	ug/L	96
50) 1,2-Dibromoethane	9.65	107	7327	2.805	ug/L	100
51) Chlorobenzene	10.12	112	19073	2.755	ug/L	96
52) Ethylbenzene	10.24	91	32494	2.700	ug/L	99
53) m,p-Xylene	10.34	106	11627	2.571	ug/L	99
54) o-Xylene	10.68	106	11411	2.607	ug/L	97
55) Styrene	10.70	104	18325	2.481	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	11504	3.361	ug/L	97
59) Bromoform	10.84	173	4273	2.279	ug/L	96
60) Isopropylbenzene	11.00	105	29583	2.518	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	9090	3.083	ug/L	96
62) 1,3,5-Trimethylbenzene	11.49	105	22928	2.372	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	23119	2.529	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	13804	2.722	ug/L	99
65) 1,4-Dichlorobenzene	12.08	146	13926	2.706	ug/L	95
67) 1,2-Dichlorobenzene	12.38	146	13742	2.798	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.98	75	2046	2.548	ug/L	93
69) 1,3,5-Trichlorobenzene	13.15	180	9460	2.663	ug/L	95
70) 1,2,4-trichlorobenzene	13.63	180	8116	2.479	ug/L	98
71) Naphthalene	13.82	128	24517	2.316	ug/L	98
72) 1,2,3-Trichlorobenzene	14.00	180	8030	2.507	ug/L	97

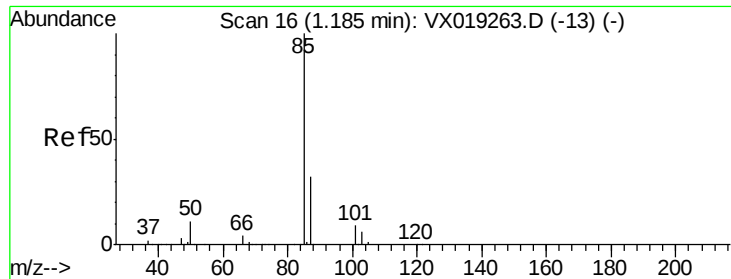
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#2

Dichlorodifluoromethane

Concen: 2.666 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

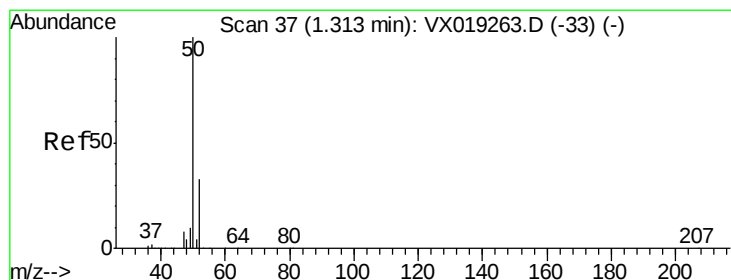
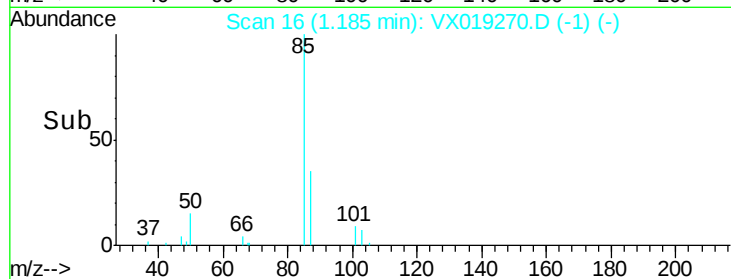
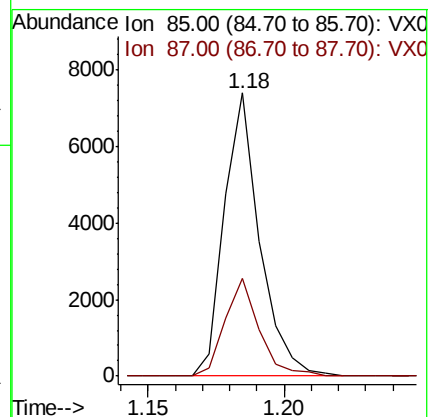
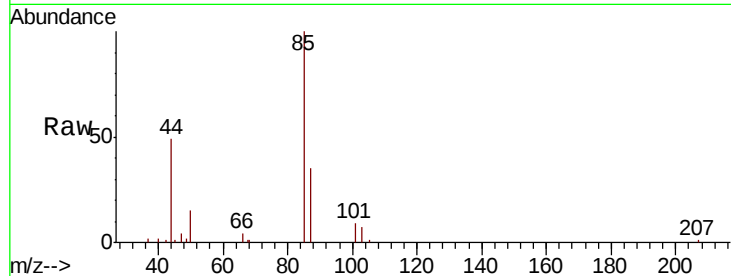
MDL-WATER-07

Tot Ion: 85 Resp: 6701

Ion Ratio Lower Upper

85 100

87 33.1 25.8 38.8



#3

Chloromethane

Concen: 2.775 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019270.D

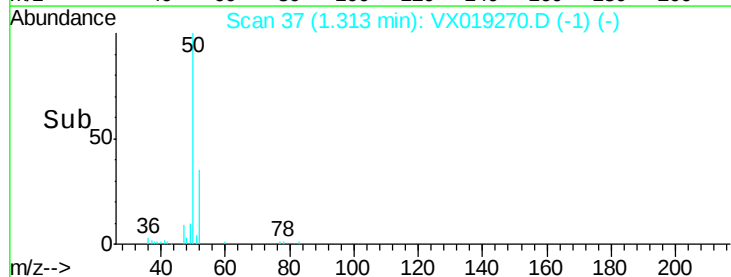
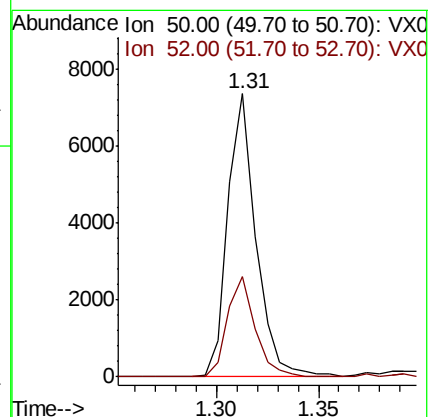
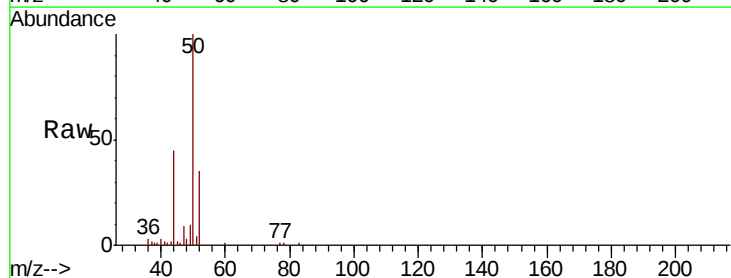
Acq: 04 Nov 2020 14:17

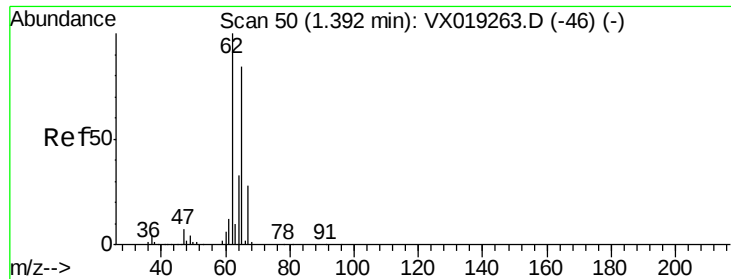
Tgt Ion: 50 Resp: 7086

Ion Ratio Lower Upper

50 100

52 35.5 22.8 42.4





#5

Vinyl chloride

Concen: 2.969 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

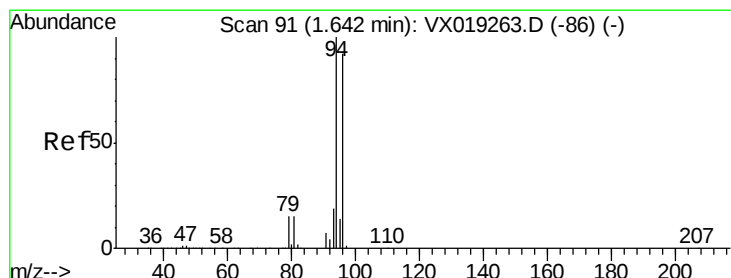
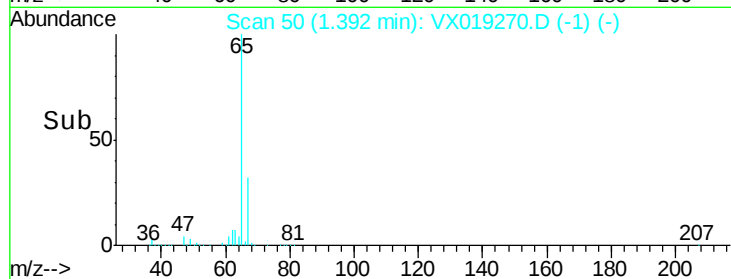
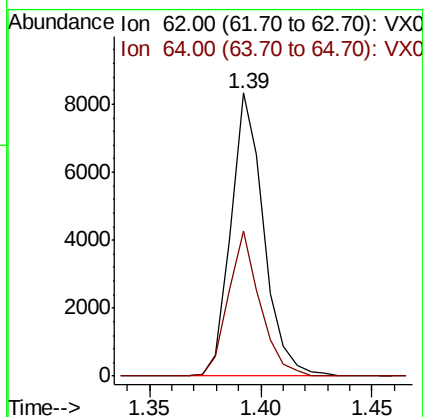
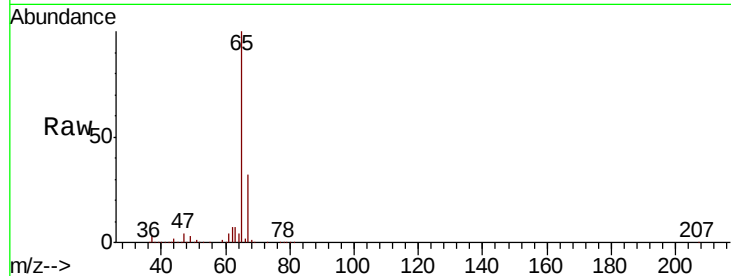
MDL-WATER-07

Tot Ion: 62 Resp: 8545

Ion Ratio Lower Upper

62 100

64 51.1 23.4 43.6#



#6

Bromomethane

Concen: 2.941 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX019270.D

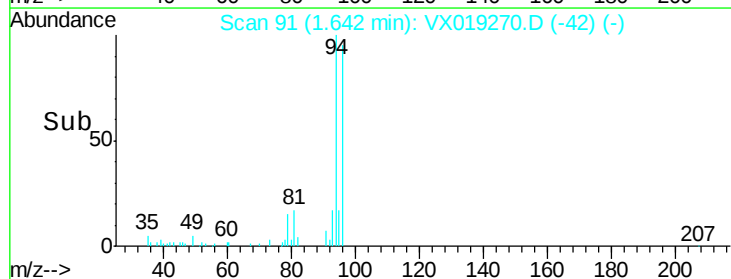
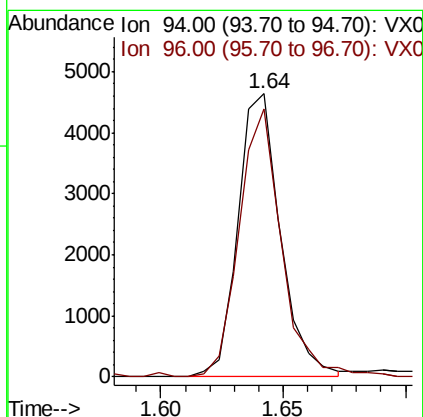
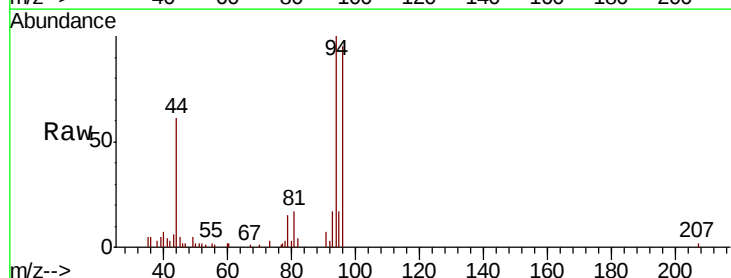
Acq: 04 Nov 2020 14:17

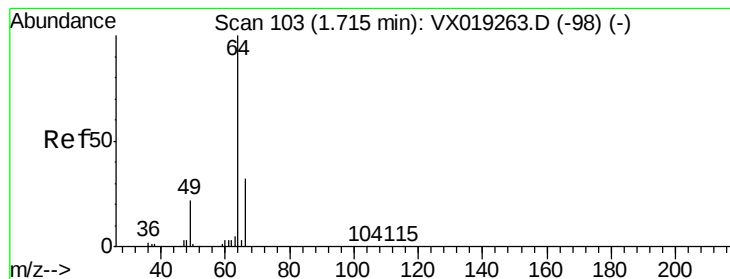
Tgt Ion: 94 Resp: 5593

Ion Ratio Lower Upper

94 100

96 94.7 66.0 122.6





#8

Chloroethane

Concen: 3.058 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

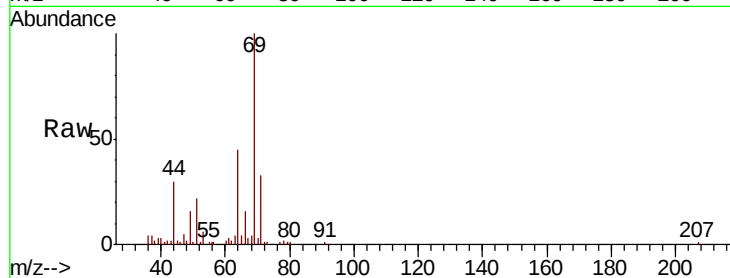
MDL-WATER-07

Tot Ion: 64 Resp: 5486

Ion Ratio Lower Upper

64 100

66 35.4 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

4000

3000

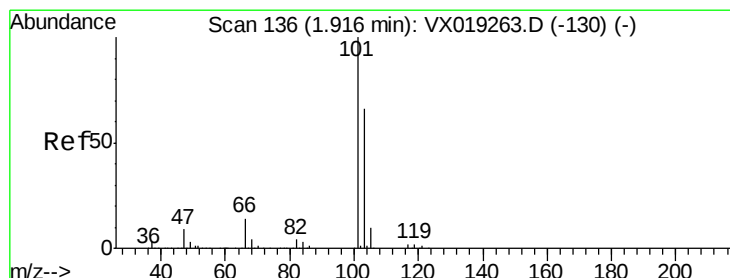
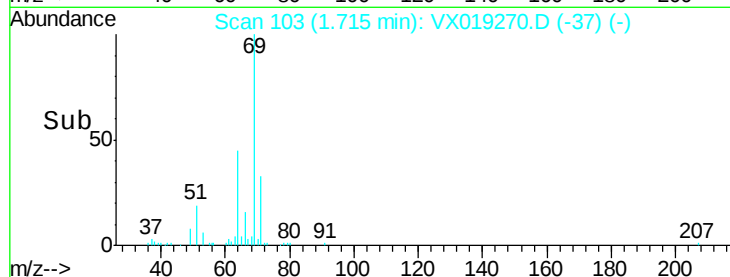
2000

1000

0

1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 2.741 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX019270.D

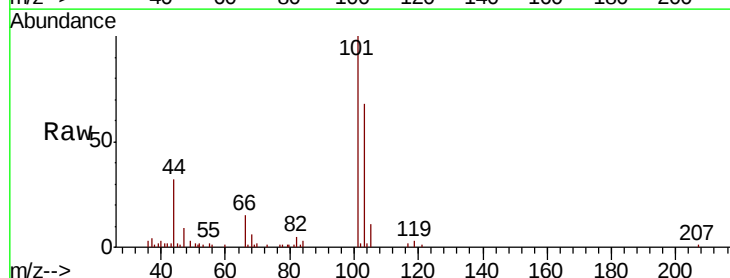
Acq: 04 Nov 2020 14:17

Tgt Ion: 101 Resp: 11704

Ion Ratio Lower Upper

101 100

103 65.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.92

8000

6000

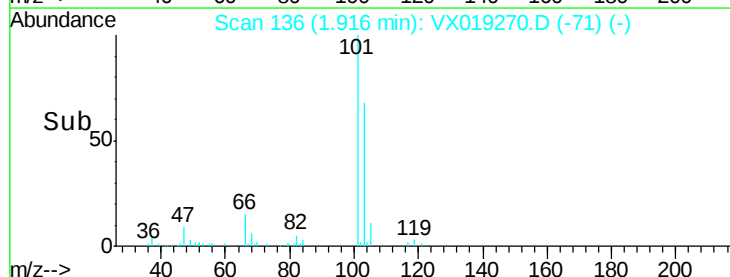
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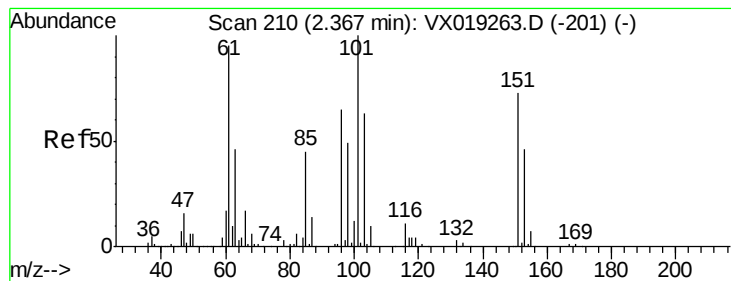
2000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 3.466 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019270.D

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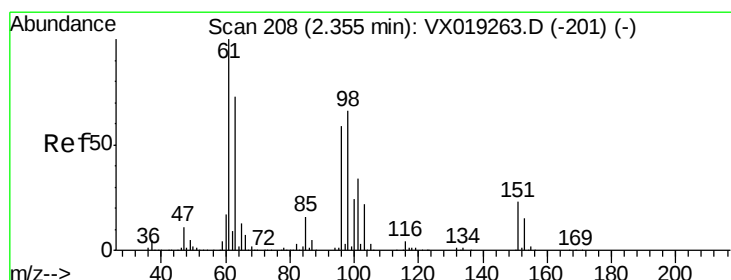
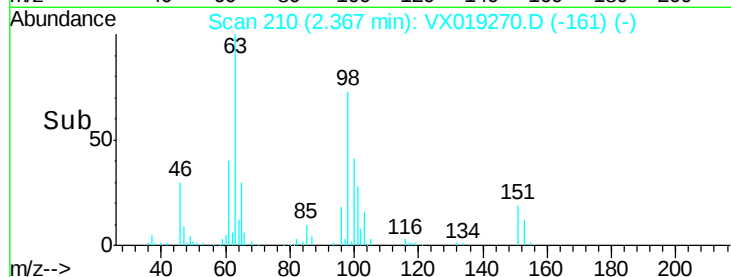
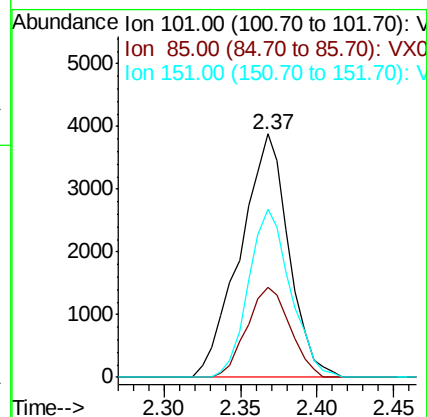
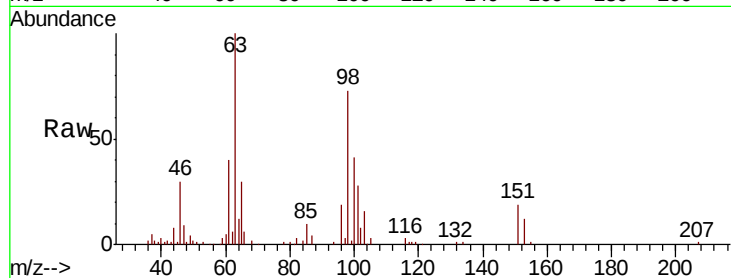
Tot Ion:101 Resp: 8537

Ion Ratio Lower Upper

101 100

85 32.9 35.0 52.4#

151 59.8 59.9 89.9#



#12

1,1-Dichloroethene

Concen: 3.320 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

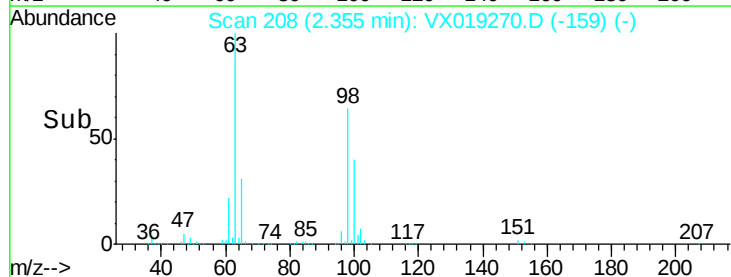
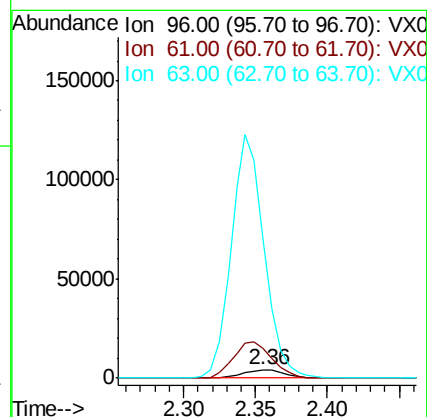
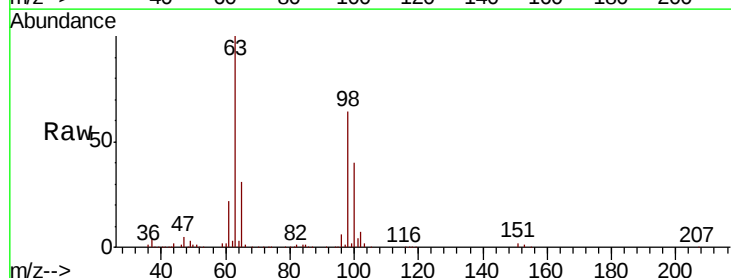
Tgt Ion: 96 Resp: 7935

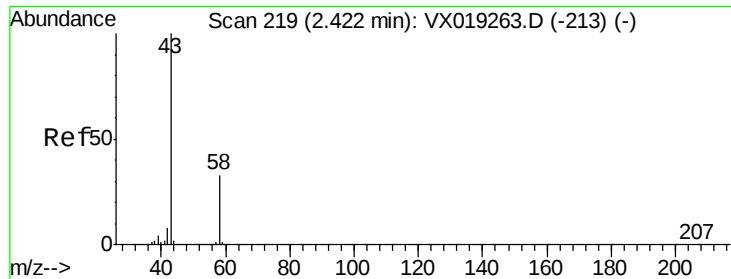
Ion Ratio Lower Upper

96 100

61 352.5 115.1 213.8#

63 1631.0 78.3 145.5#





#13

Acetone

Concen: 6.283 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.00 min

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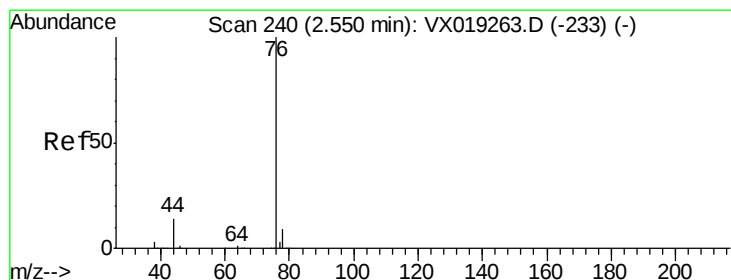
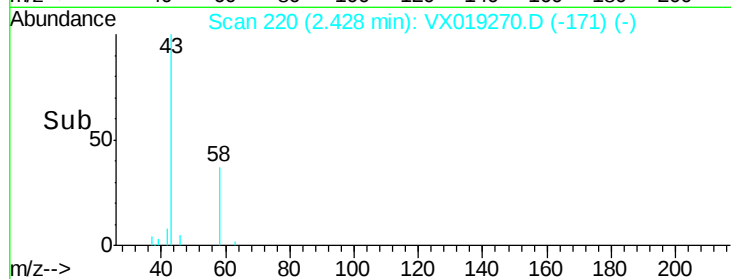
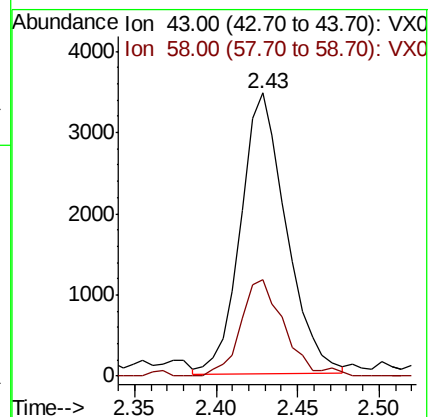
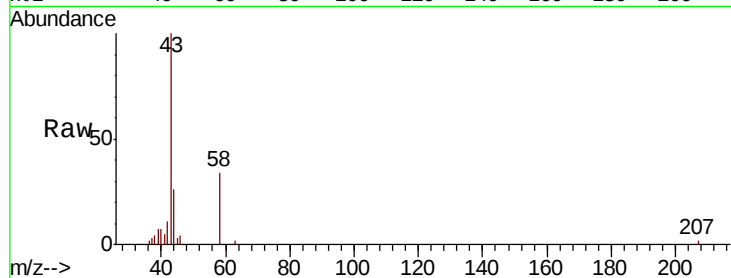
MDL-WATER-07

Tot Ion: 43 Resp: 6763

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.6



#14

Carbon disulfide

Concen: 2.539 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019270.D

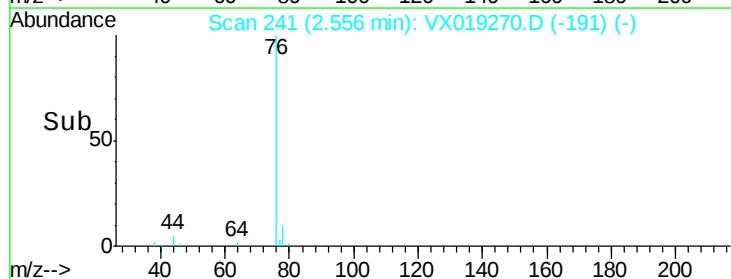
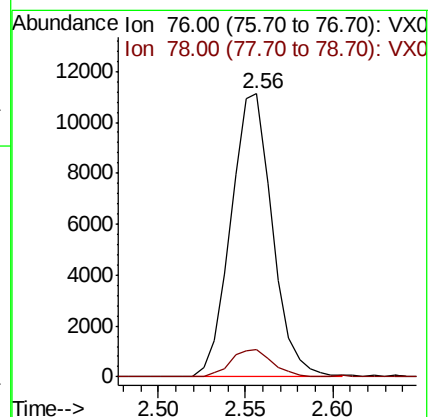
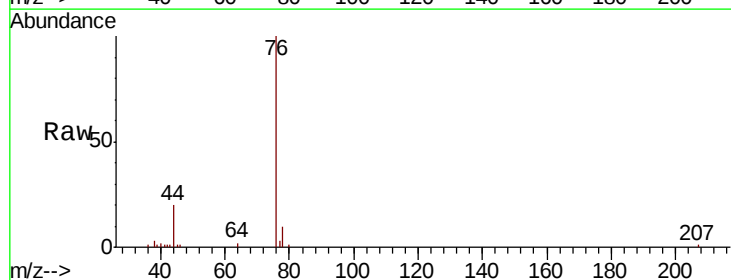
Acq: 04 Nov 2020 14:17

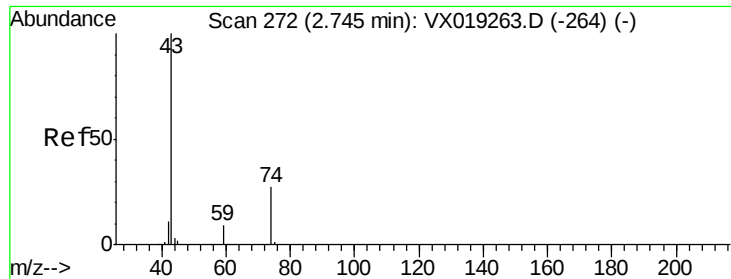
Tgt Ion: 76 Resp: 18314

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7





#15

Methvl Acetate

Concen: 3.019 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

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ClientSampleId :

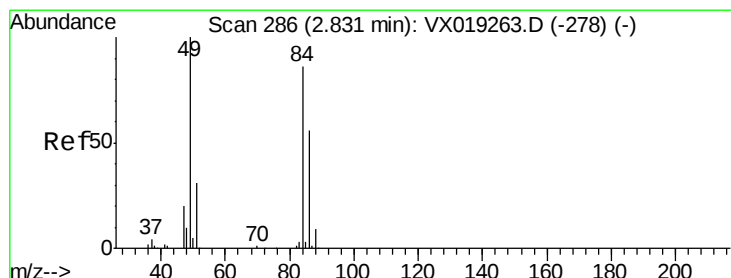
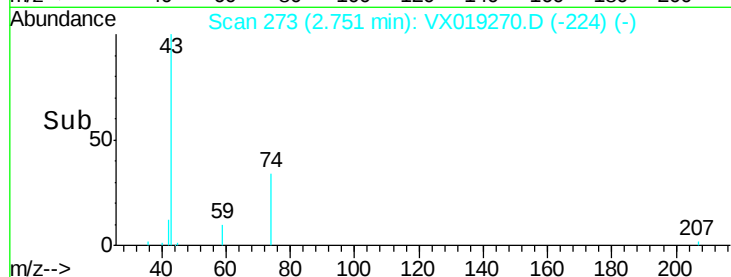
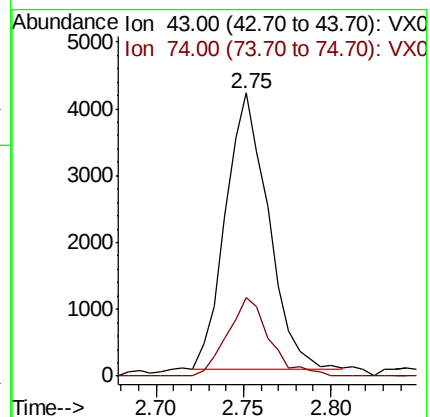
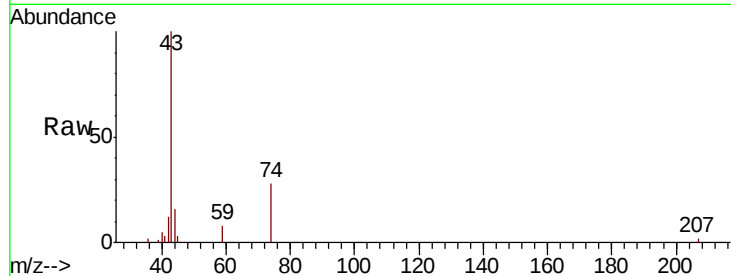
MDL-WATER-07

Tot Ion: 43 Resp: 7091

Ion Ratio Lower Upper

43 100

74 27.8 21.8 32.8



#16

Methylene chloride

Concen: 2.981 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

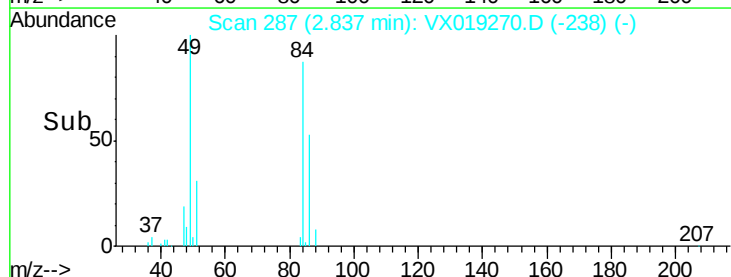
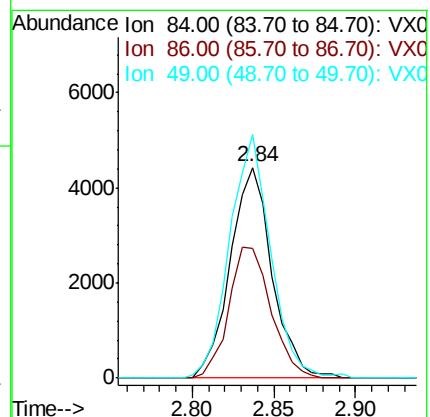
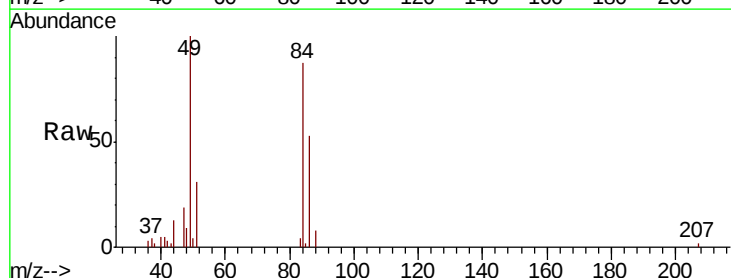
Tgt Ion: 84 Resp: 7944

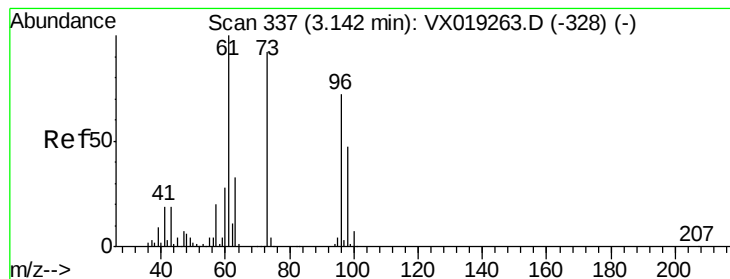
Ion Ratio Lower Upper

84 100

86 61.8 44.0 81.6

49 115.5 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 2.716 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

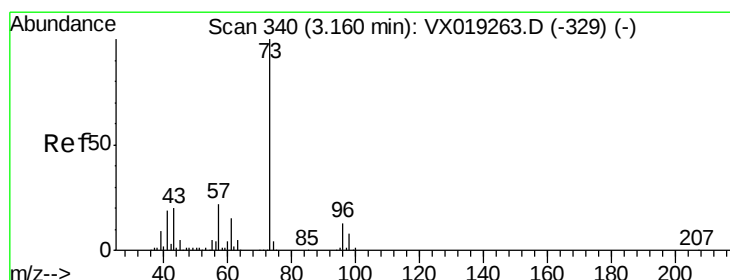
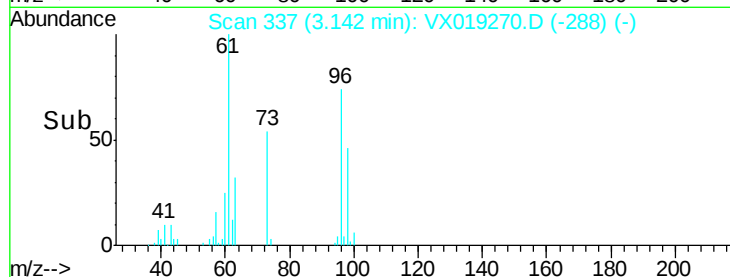
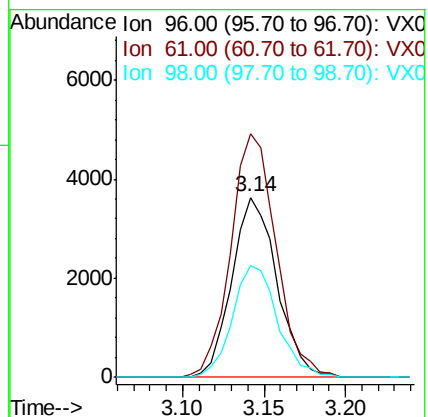
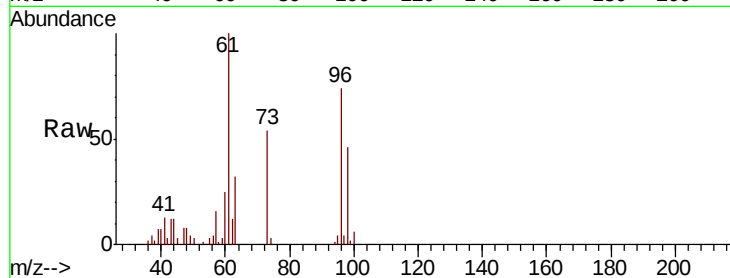
Tot Ion: 96 Resp: 6977

Ion Ratio Lower Upper

96 100

61 135.5 95.7 177.7

98 62.3 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 2.758 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

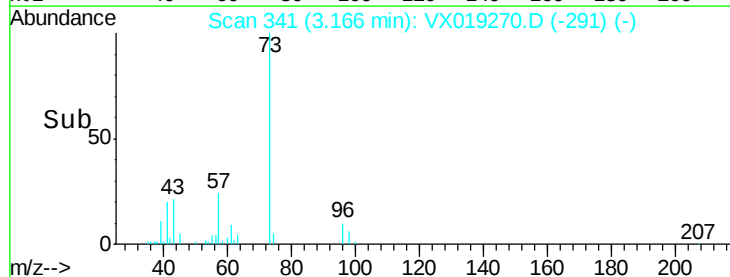
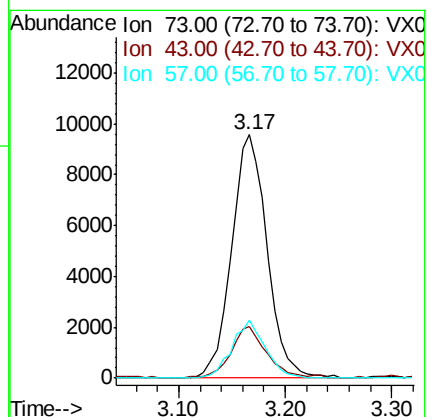
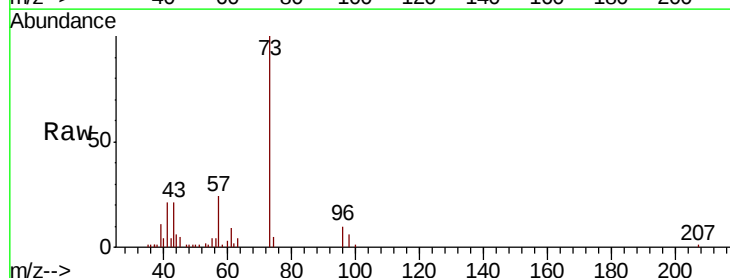
Tgt Ion: 73 Resp: 22402

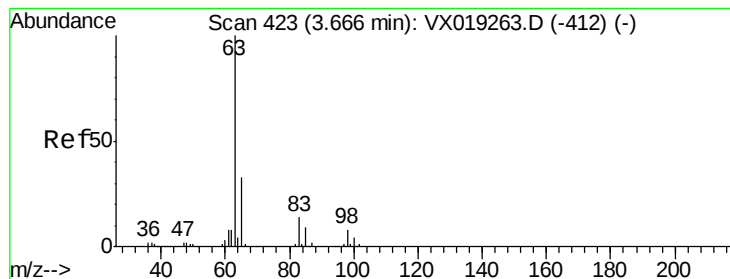
Ion Ratio Lower Upper

73 100

43 21.1 15.8 23.6

57 22.1 17.0 25.4





#19

1,1-Dichloroethane

Concen: 2.757 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

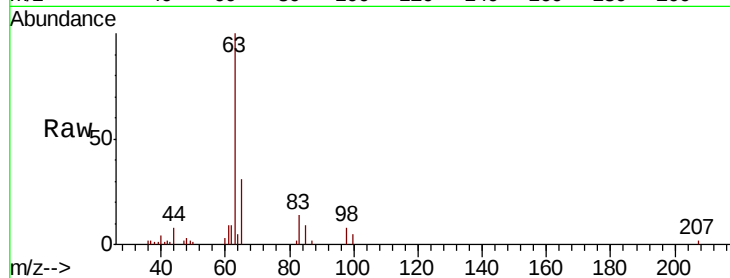
Tot Ion: 63 Resp: 12585

Ion Ratio Lower Upper

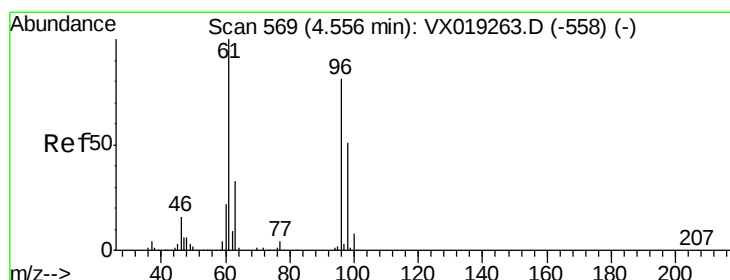
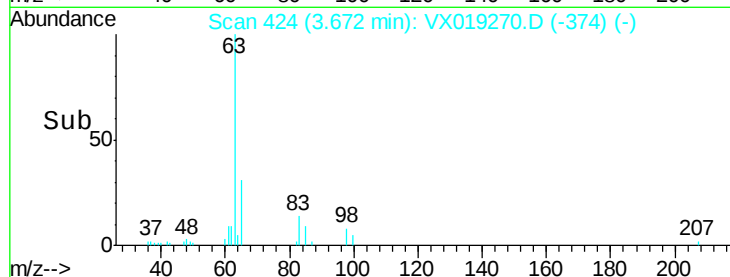
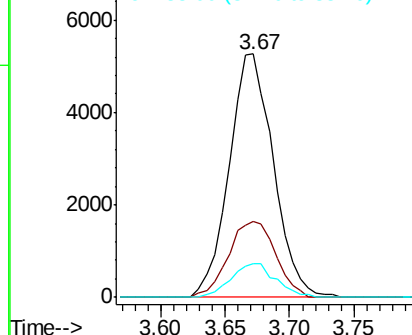
63 100

65 31.4 22.3 41.3

83 14.0 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 65.00 (64.70 to 65.70): VX0
Ion 83.00 (82.70 to 83.70): VX0



#20

cis-1,2-Dichloroethene

Concen: 2.747 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

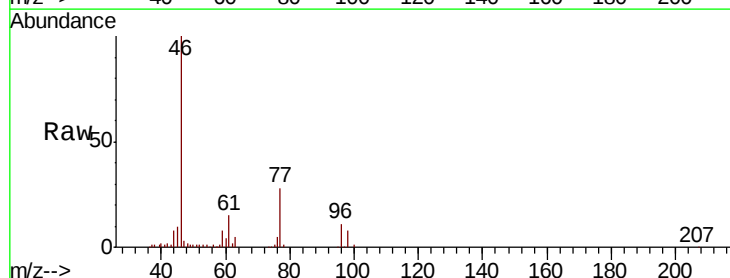
Tgt Ion: 96 Resp: 7751

Ion Ratio Lower Upper

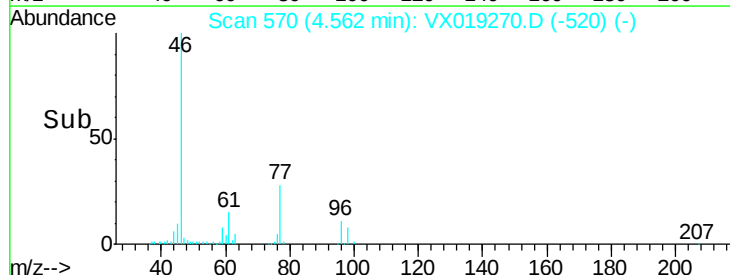
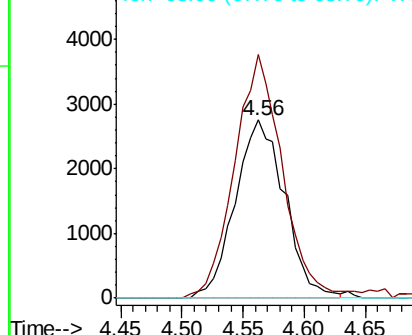
96 100

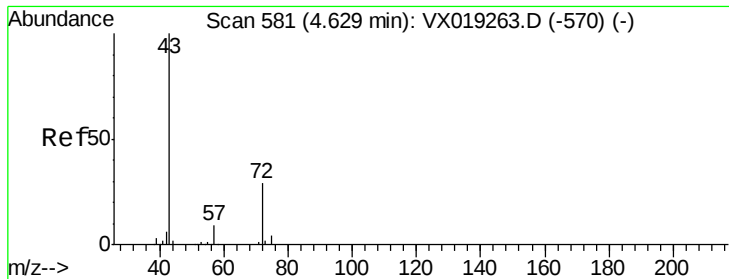
61 136.8 86.1 159.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 5.684 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

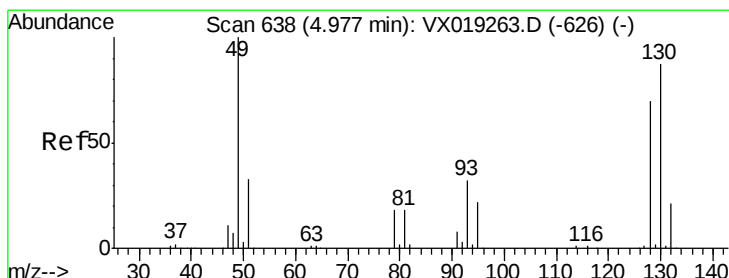
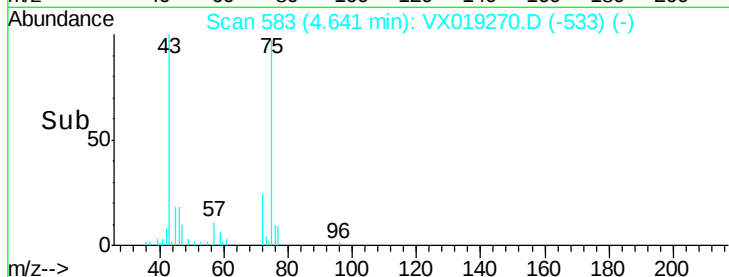
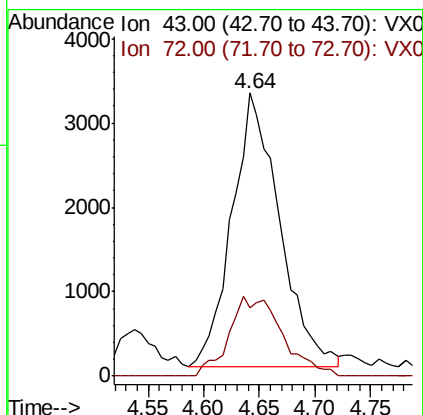
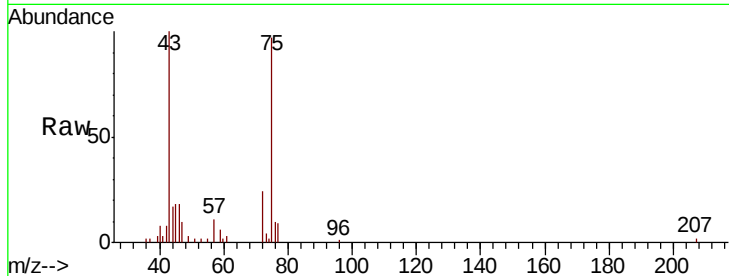
MDL-WATER-07

Tot Ion: 43 Resp: 9662

Ion Ratio Lower Upper

43 100

72 14.2 15.0 45.0#



#23

Bromochloromethane

Concen: 2.753 ug/L

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Tgt Ion: 128 Resp: 3912

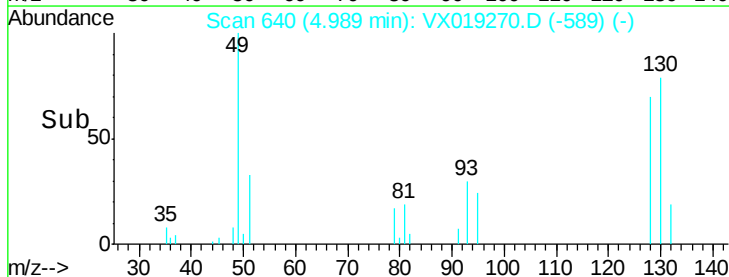
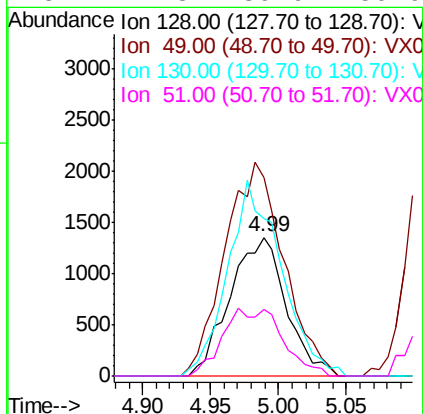
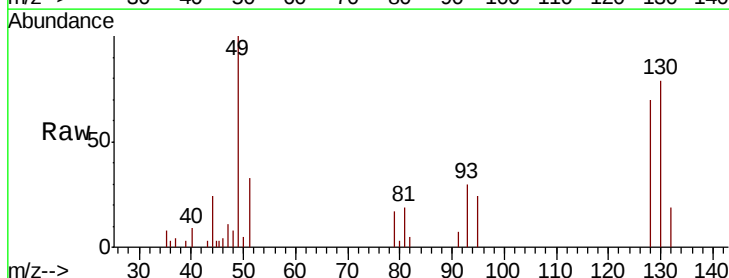
Ion Ratio Lower Upper

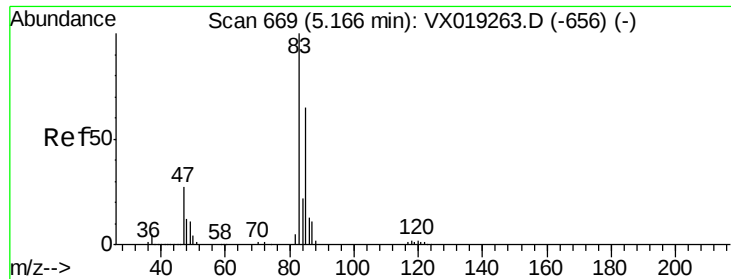
128 100

49 143.1 108.4 201.4

130 113.6 96.7 179.7

51 47.8 39.9 59.9





#25

Chloroform

Concen: 5.770 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

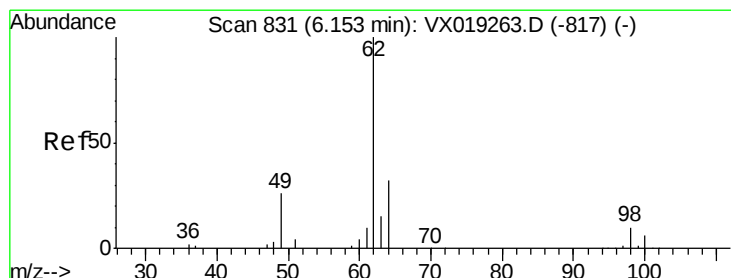
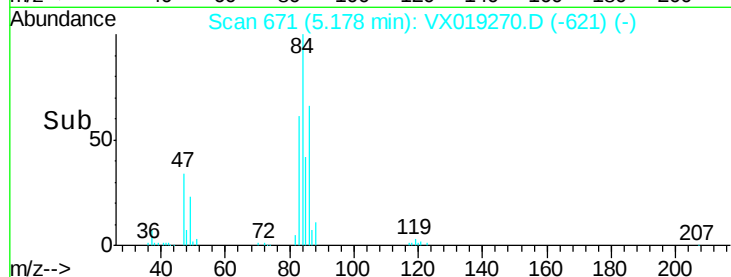
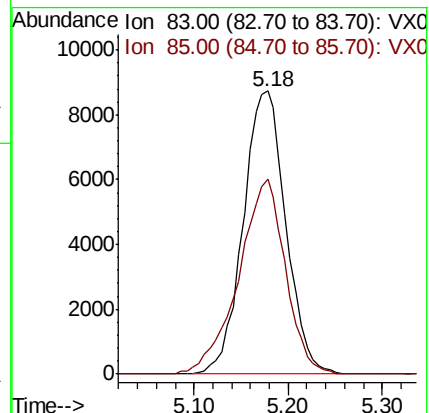
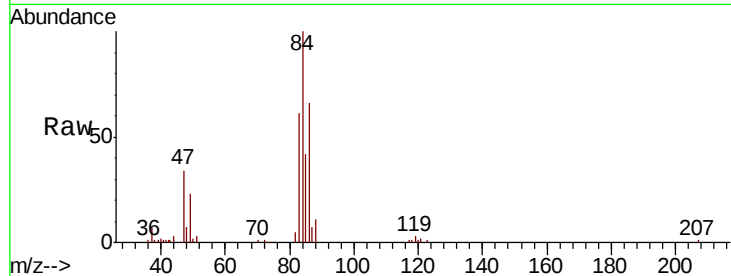
MDL-WATER-07

Tot Ion: 83 Resp: 27648

Ion Ratio Lower Upper

83 100

85 68.7 46.5 86.3



#27

1,2-Dichloroethane

Concen: 2.910 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX019270.D

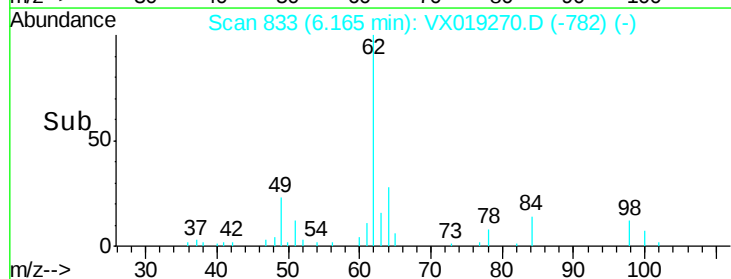
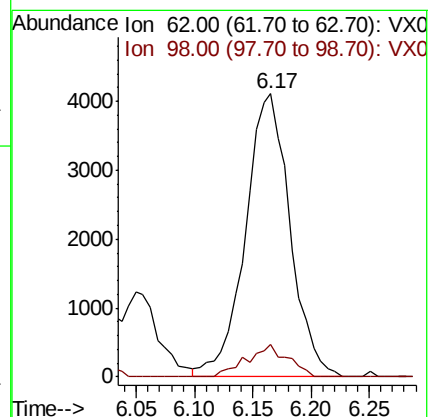
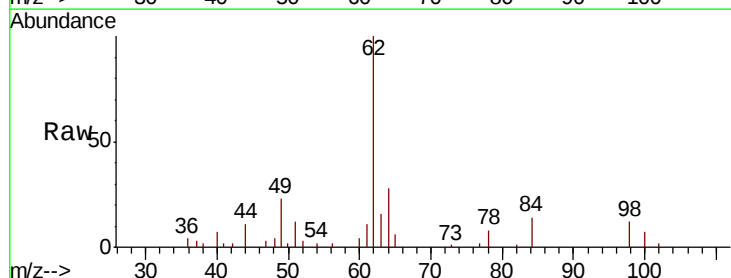
Acq: 04 Nov 2020 14:17

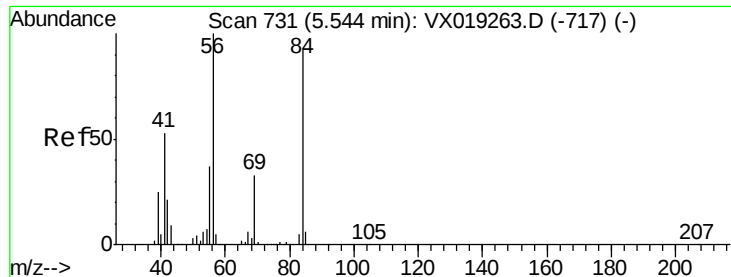
Tgt Ion: 62 Resp: 10980

Ion Ratio Lower Upper

62 100

98 11.7 7.6 11.4#

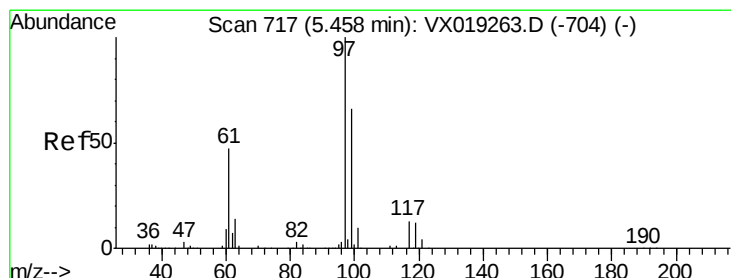
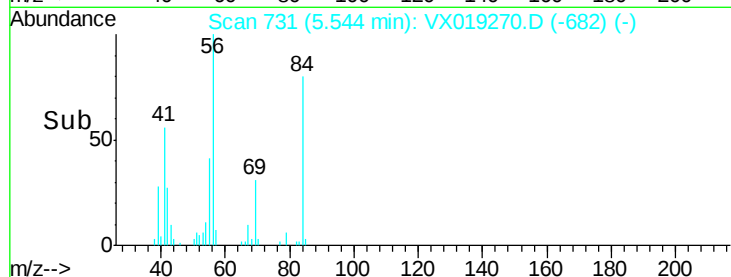
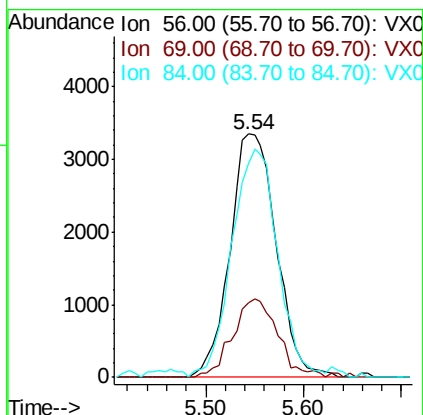
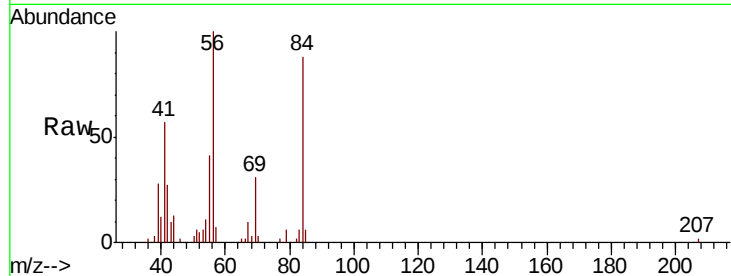




#29
Cyclohexane
Concen: 2.678 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

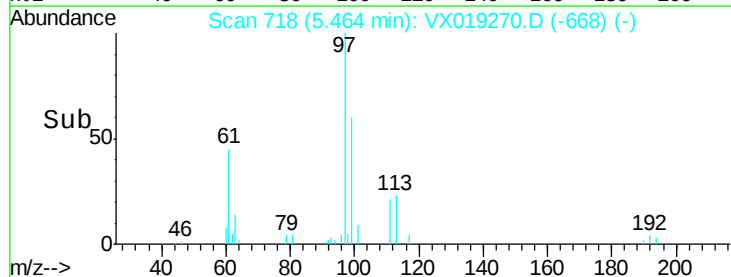
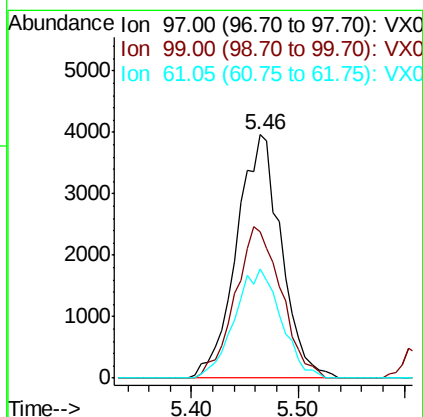
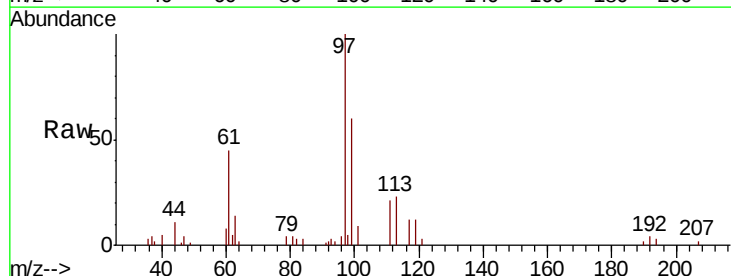
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

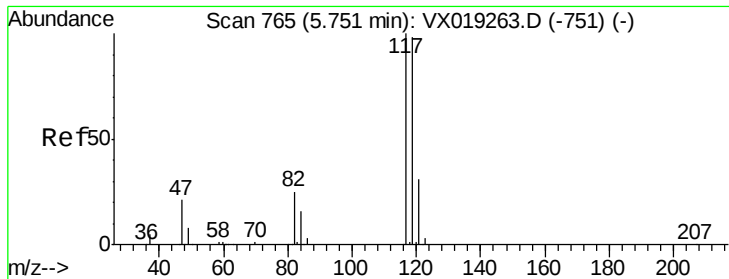
Tot Ion: 56 Resp: 10990
Ion Ratio Lower Upper
56 100
69 29.8 25.2 37.8
84 90.9 73.6 110.4



#30
1,1,1-Trichloroethane
Concen: 2.717 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

Tgt Ion: 97 Resp: 11676
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 46.4 34.8 52.2

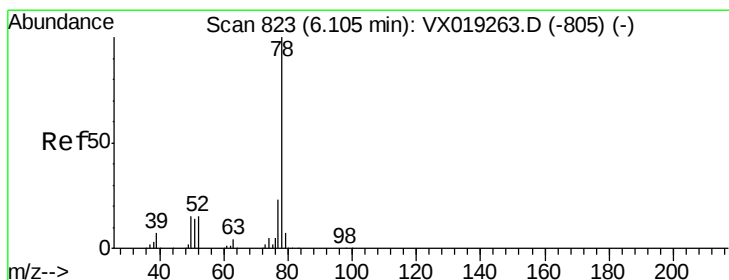
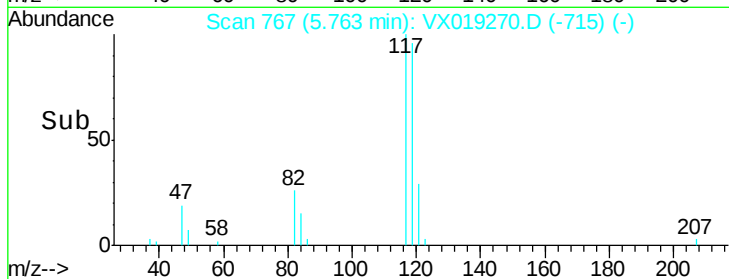
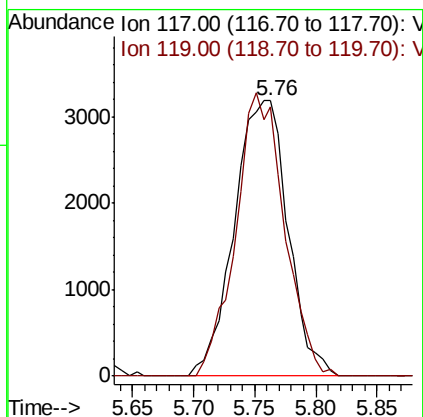
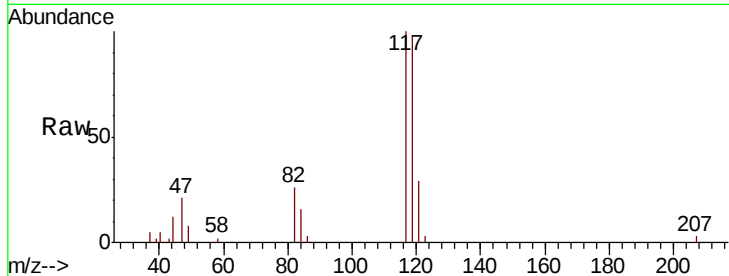




#31
Carbon tetrachloride
Concen: 2.634 ug/L
RT: 5.76 min Scan# 767
Delta R.T. 0.02 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

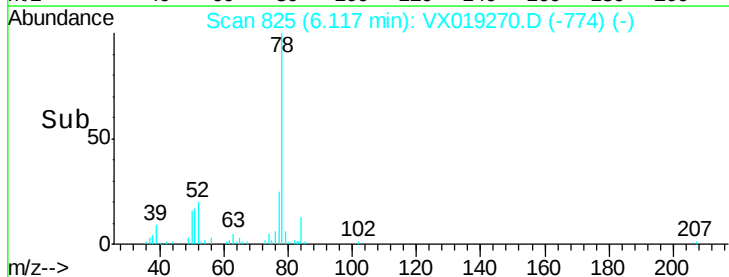
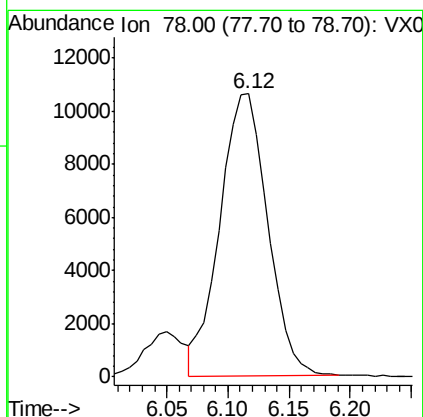
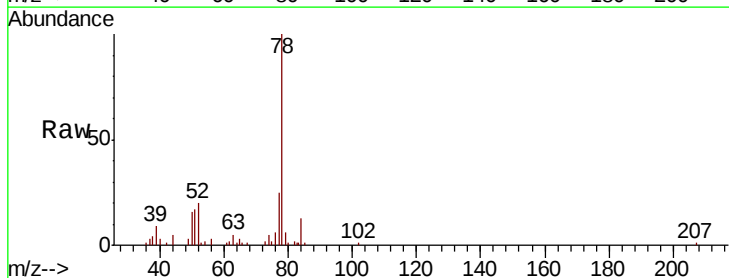
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

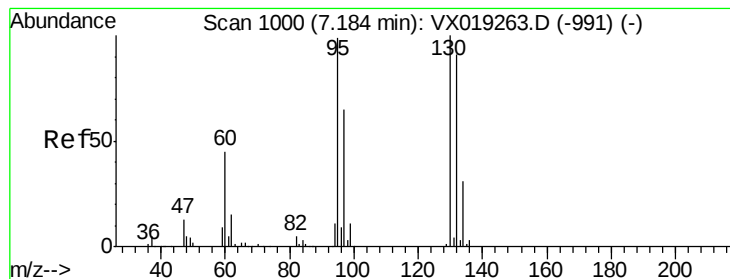
Tot Ion:117 Resp: 9725
Ion Ratio Lower Upper
117 100
119 93.3 76.9 115.3



#33
Benzene
Concen: 2.817 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

Tgt Ion: 78 Resp: 28831





#34

Trichloroethene

Concen: 2.788 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion: 95 Resp: 7787

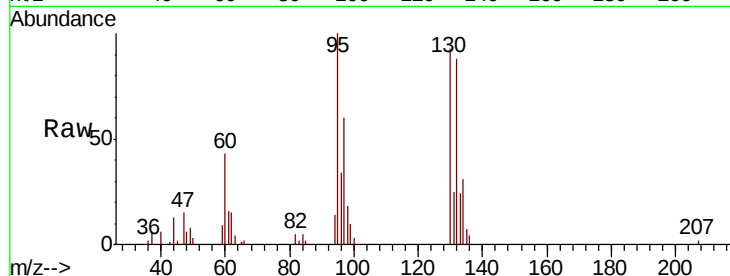
Ion Ratio Lower Upper

95 100

97 59.7 45.1 83.9

132 87.9 67.3 124.9

130 93.2 69.9 129.9

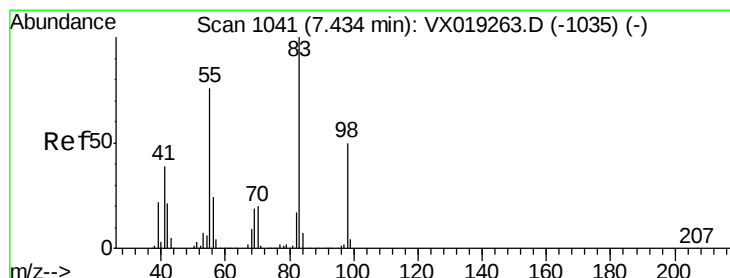
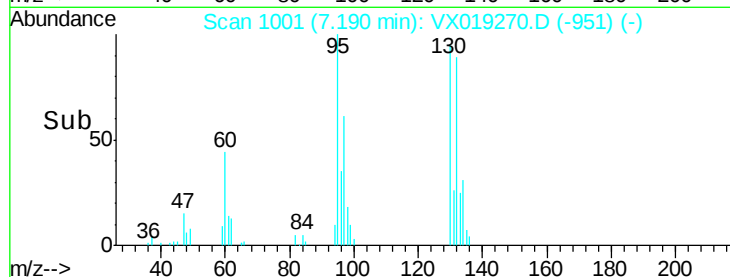
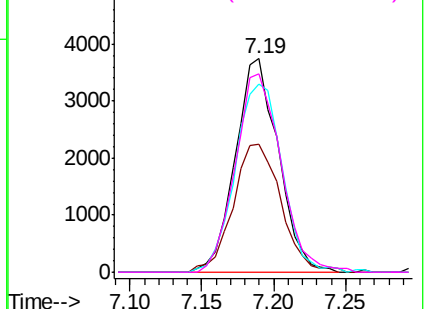


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 2.520 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

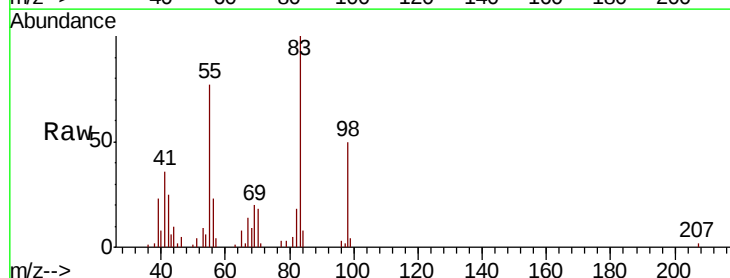
Tgt Ion: 83 Resp: 11141

Ion Ratio Lower Upper

83 100

55 74.2 58.6 87.8

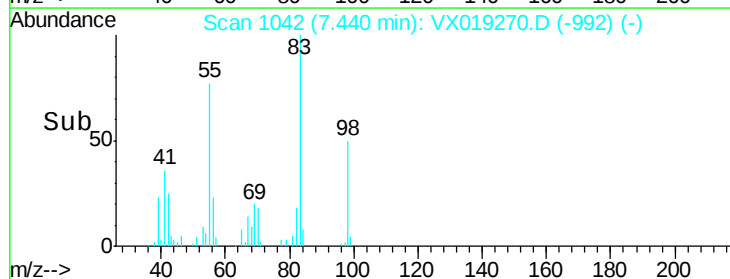
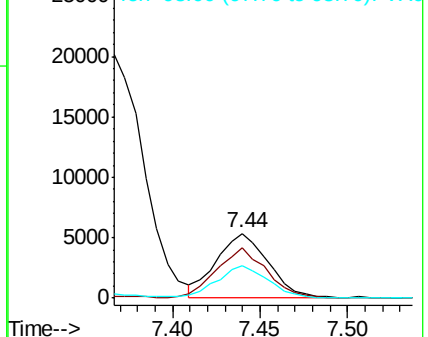
98 48.8 39.0 58.6

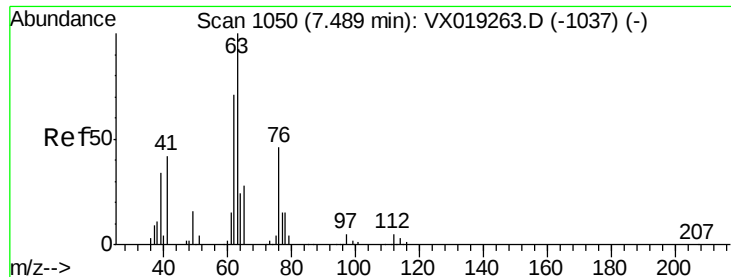


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 2.960 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

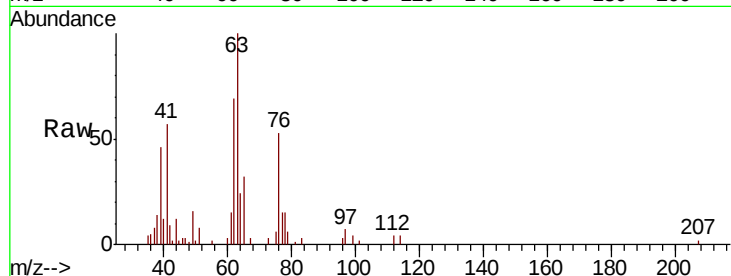
MDL-WATER-07

Tot Ion: 63 Resp: 7525

Ion Ratio Lower Upper

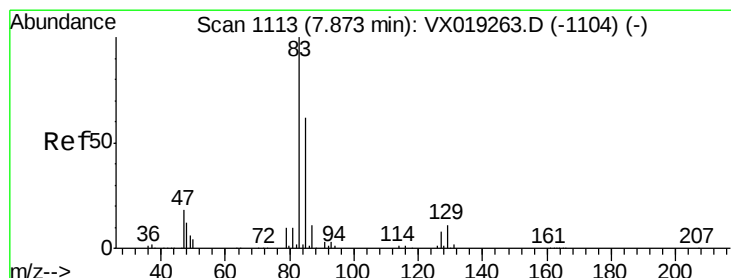
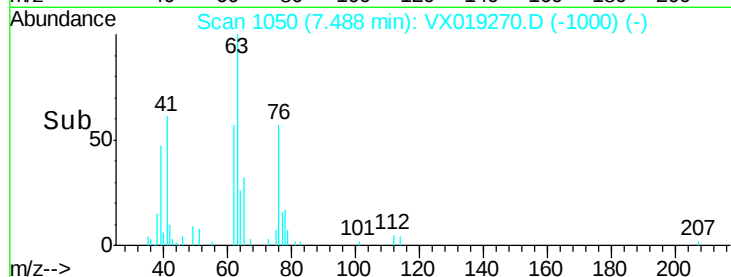
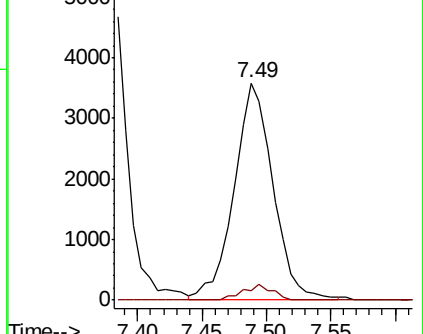
63 100

112 5.4 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: 2.626 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

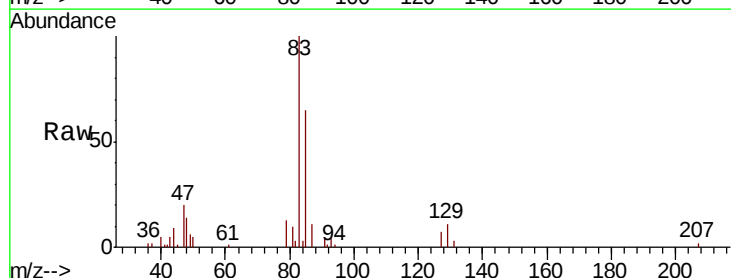
Tgt Ion: 83 Resp: 9285

Ion Ratio Lower Upper

83 100

85 64.7 44.6 82.8

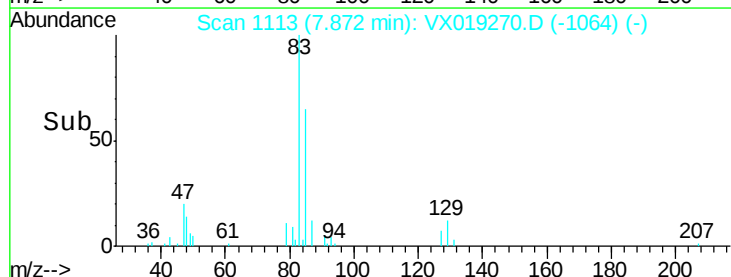
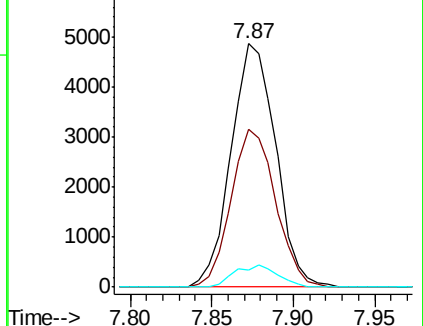
127 6.9 6.8 10.2

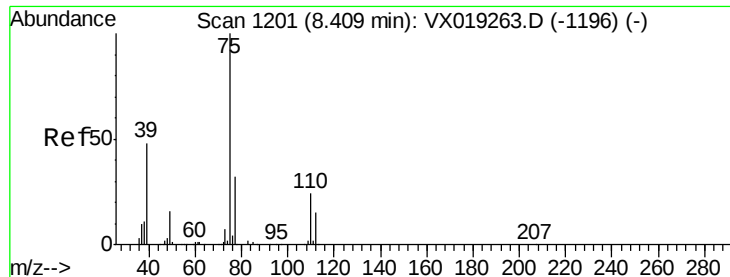


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



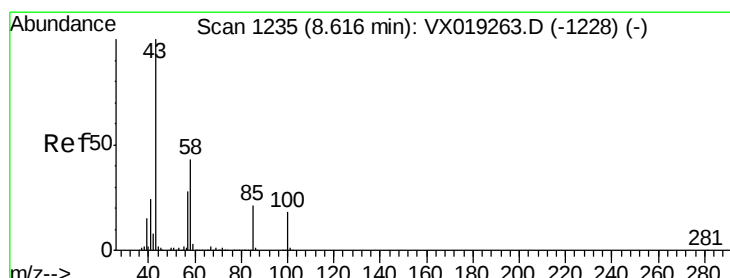
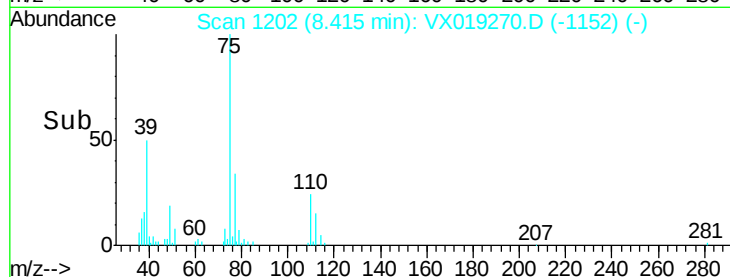
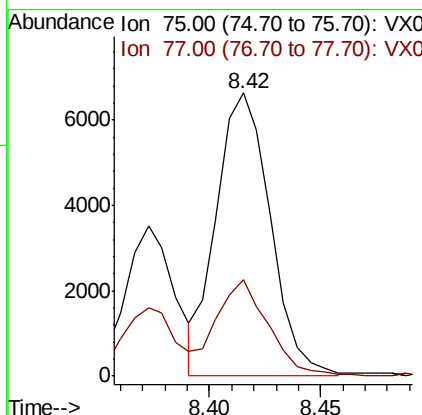
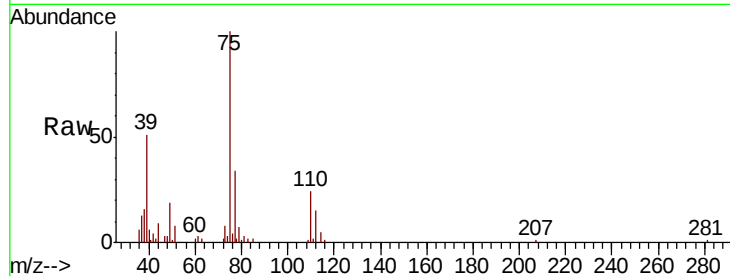


#39

cis-1,3-Dichloropropene
Concen: 2.649 ug/L
RT: 8.42 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

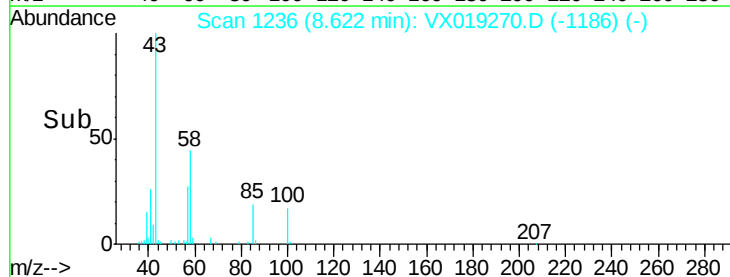
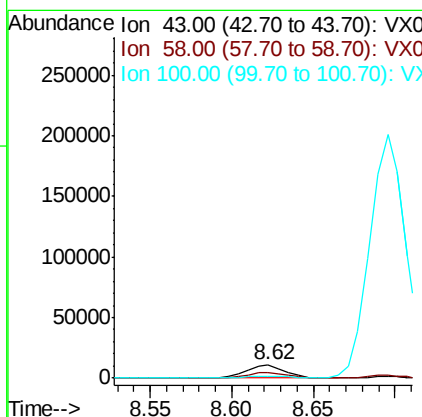
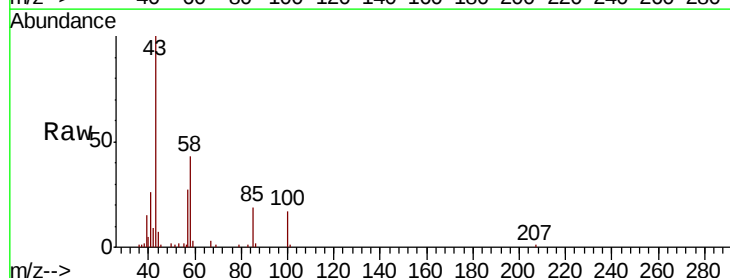
Tot Ion: 75 Resp: 11187
Ion Ratio Lower Upper
75 100
77 34.1 22.5 41.7

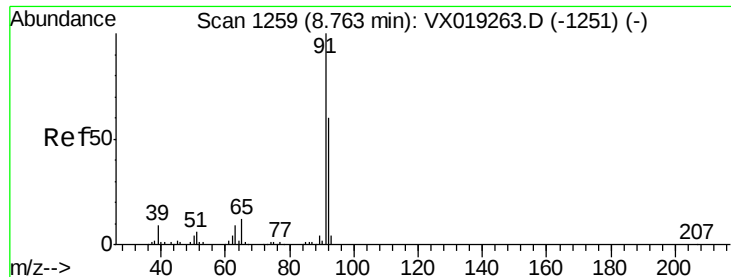


#40

4-Methyl-2-pentanone
Concen: 5.775 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

Tgt Ion: 43 Resp: 17955
Ion Ratio Lower Upper
43 100
58 42.0 34.1 51.1
100 18.0 14.8 22.2





#42

Toluene

Concen: 3.376 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

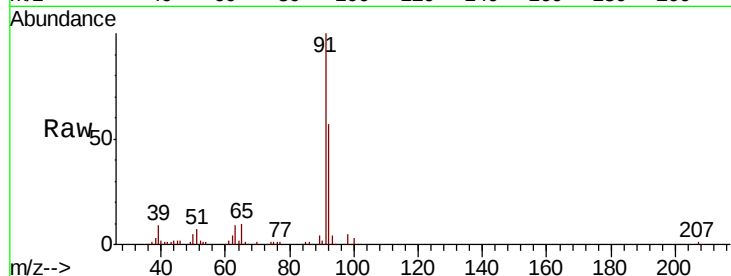
MDL-WATER-07

Tot Ion: 91 Resp: 37589

Ion Ratio Lower Upper

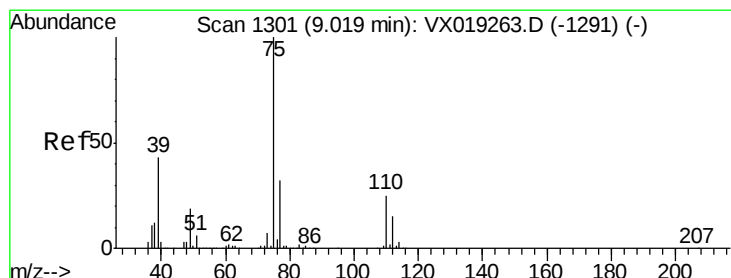
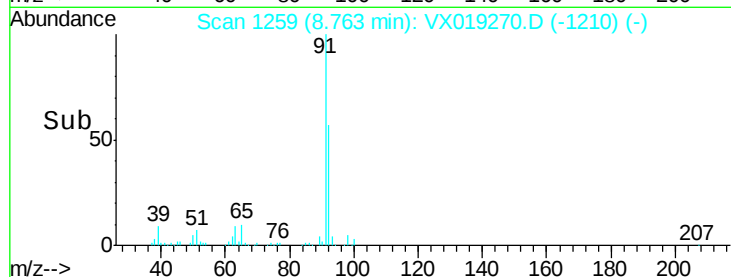
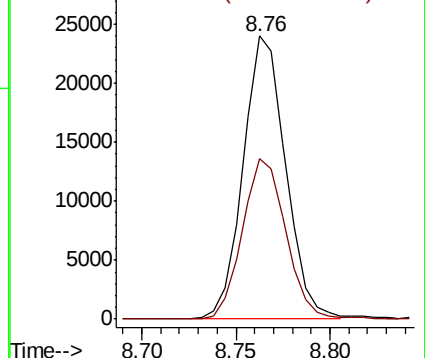
91 100

92 56.5 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#44

trans-1,3-Dichloropropene

Concen: 2.795 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX019270.D

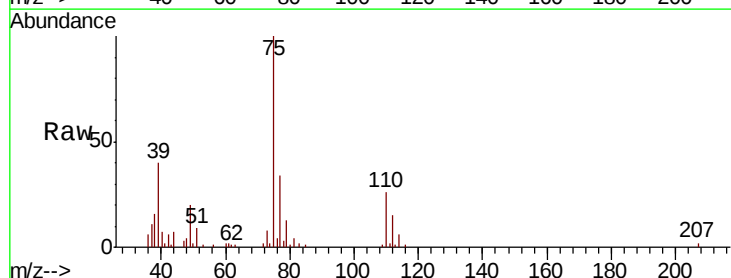
Acq: 04 Nov 2020 14:17

Tgt Ion: 75 Resp: 11500

Ion Ratio Lower Upper

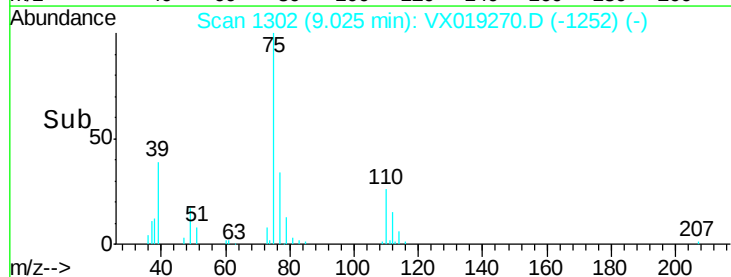
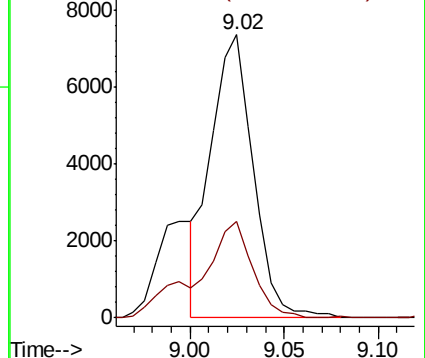
75 100

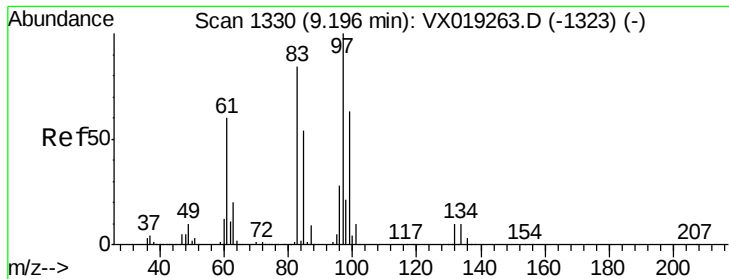
77 34.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

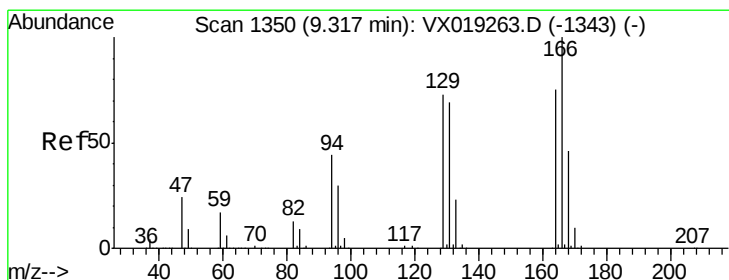
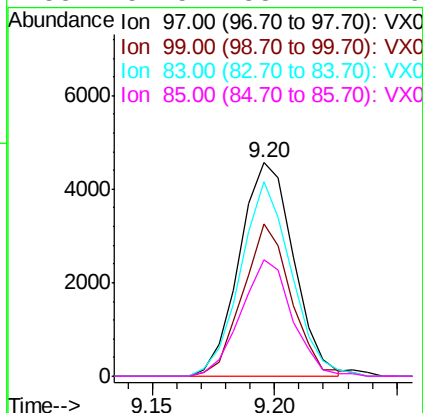
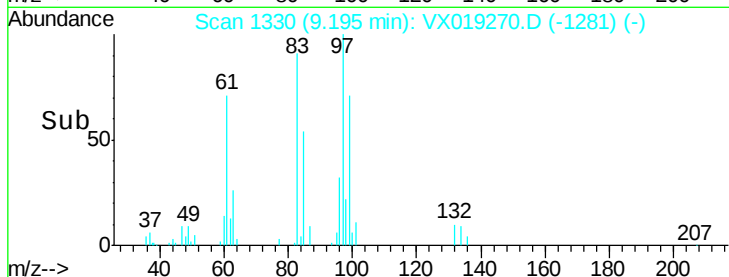
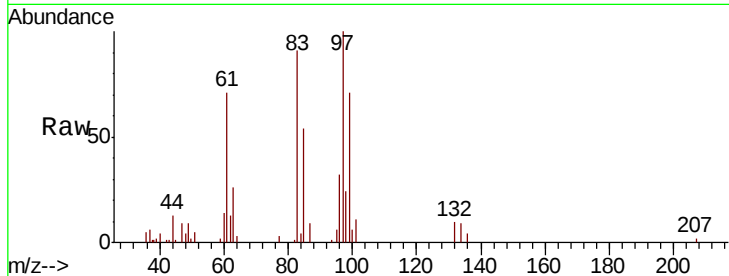




#45
 1,1,2-Trichloroethane
 Concen: 2.812 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019270.D
 Acq: 04 Nov 2020 14:17

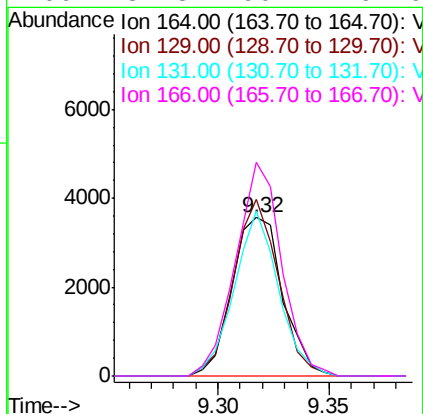
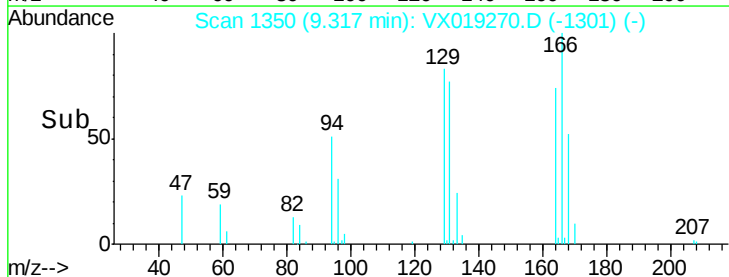
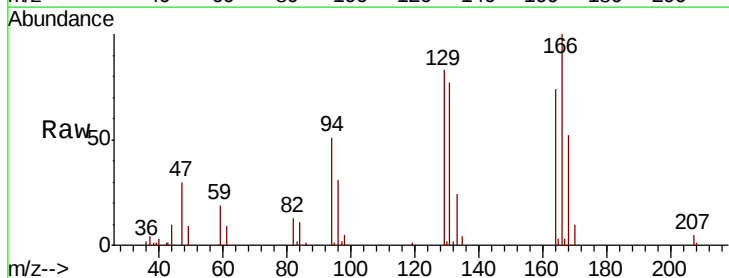
Instrument :
 MSVOA_X
 ClientSampled :
 MDL-WATER-07

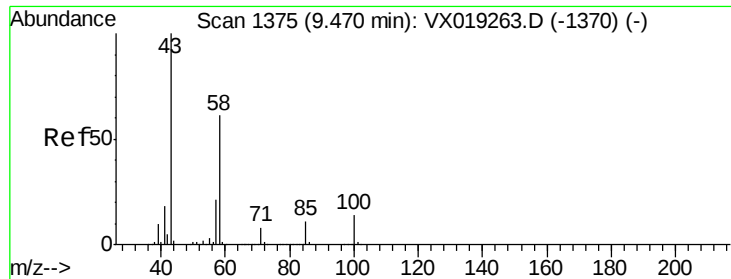
Tot Ion:	97	Resp:	7024
Ion	Ratio	Lower	Upper
97	100		
99	71.1	43.3	80.3
83	91.2	59.4	110.4
85	54.5	38.7	71.9



#46
 Tetrachloroethene
 Concen: 2.695 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX019270.D
 Acq: 04 Nov 2020 14:17

Tgt Ion:	164	Resp:	5680
Ion	Ratio	Lower	Upper
164	100		
129	111.4	65.2	121.2
131	104.3	62.5	116.1
166	134.8	90.2	167.6

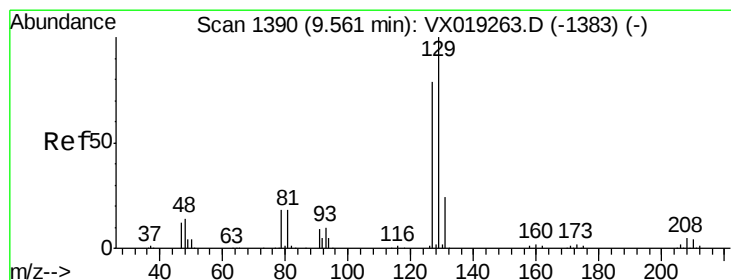
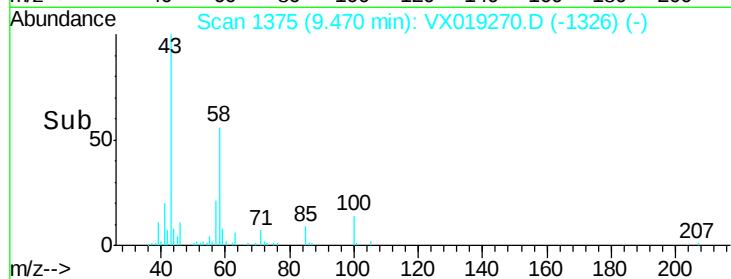
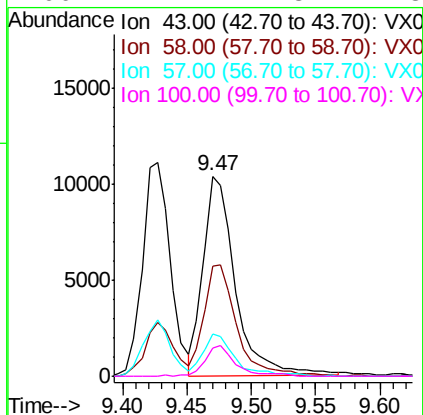
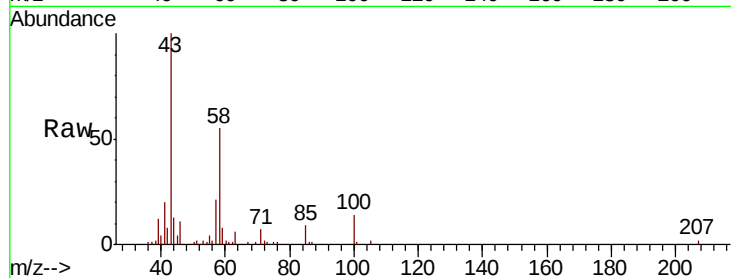




#48
2-Hexanone
Concen: 7.442 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

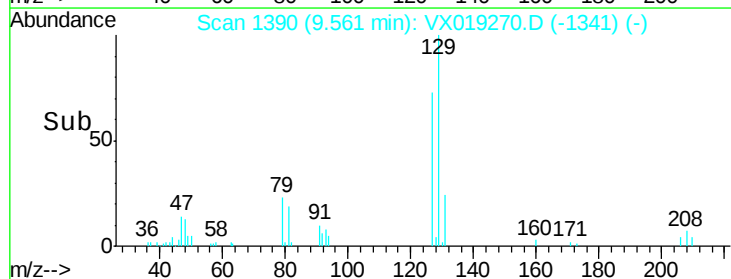
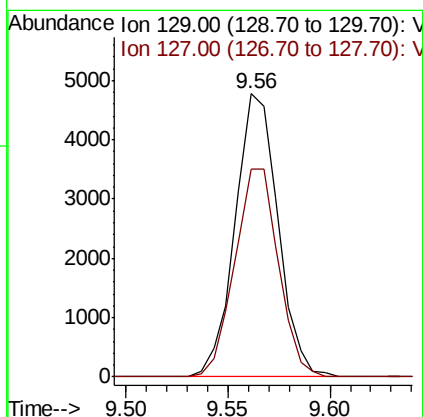
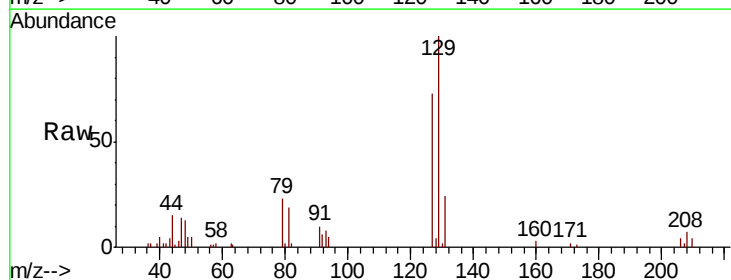
Instrument :
MSVOA_X
ClientSampled :
MDL-WATER-07

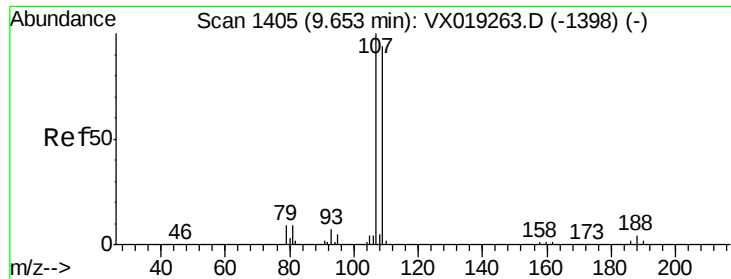
Tot Ion: 43 Resp: 18232
Ion Ratio Lower Upper
43 100
58 53.3 48.2 72.2
57 20.9 17.1 25.7
100 14.4 11.8 17.8



#49
Dibromochloromethane
Concen: 2.551 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

Tgt Ion: 129 Resp: 6970
Ion Ratio Lower Upper
129 100
127 73.3 54.0 100.2

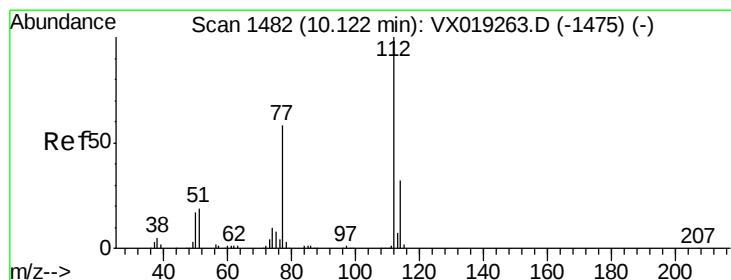
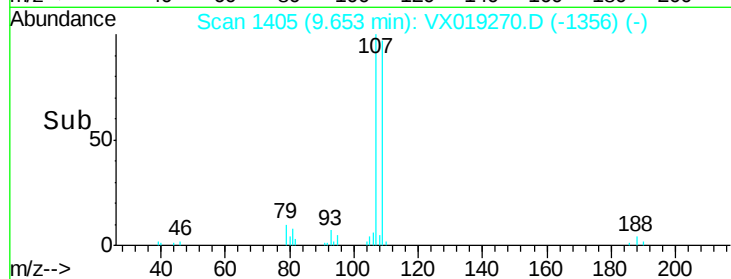
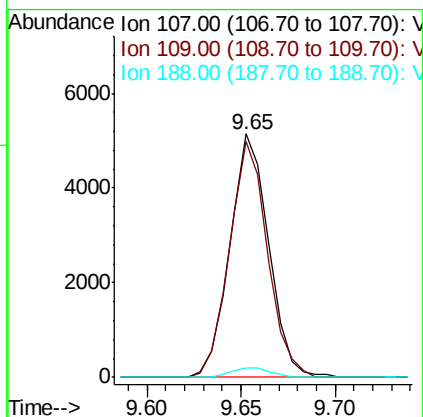
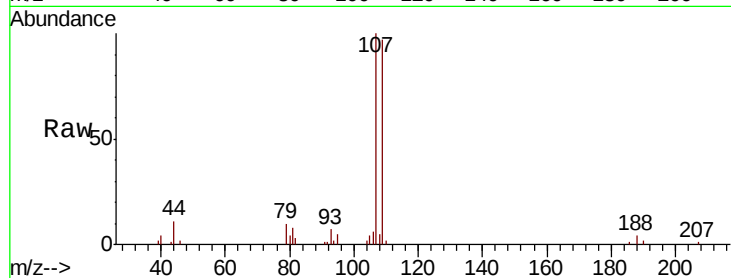




#50
 1,2-Dibromoethane
 Concen: 2.805 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX019270.D
 Acq: 04 Nov 2020 14:17

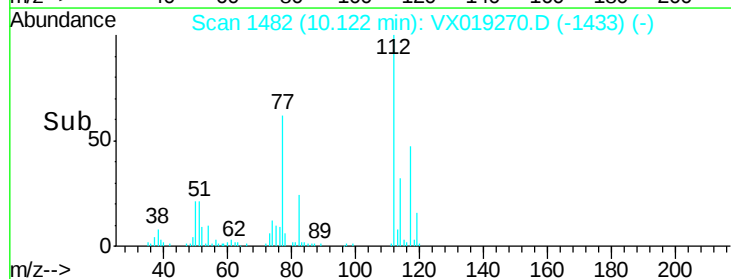
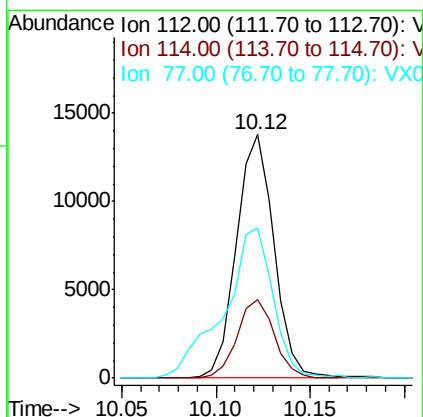
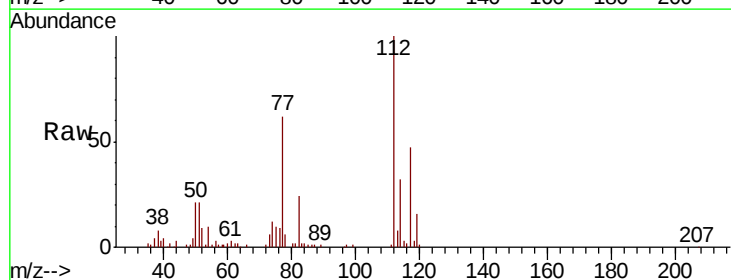
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

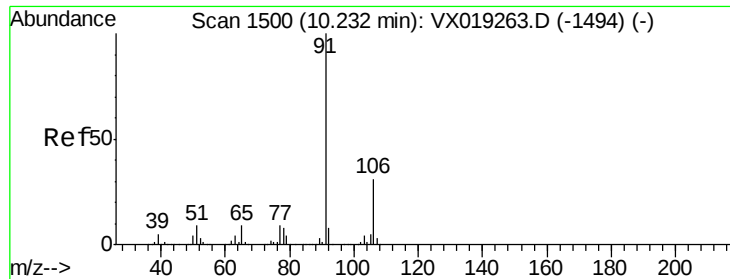
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.9	68.1	126.5
188	4.1	3.0	4.4



#51
 Chlorobenzene
 Concen: 2.755 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX019270.D
 Acq: 04 Nov 2020 14:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.2	41.2
77	61.6	46.2	69.4

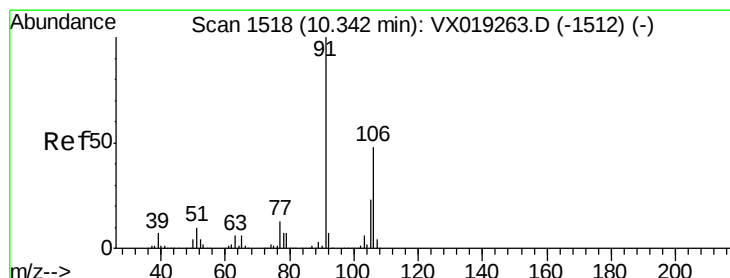
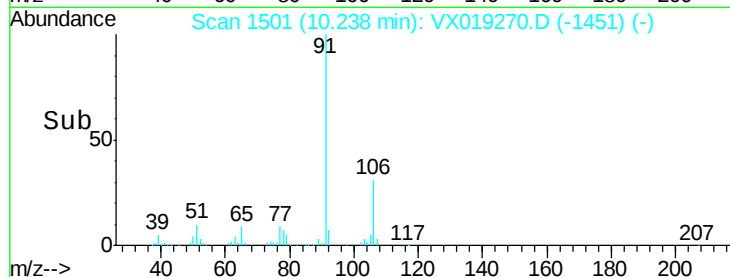
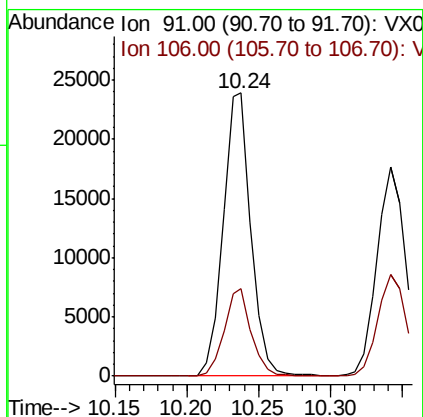
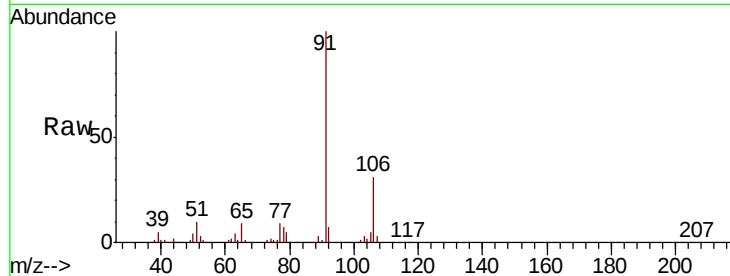




#52
Ethylbenzene
Concen: 2.700 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

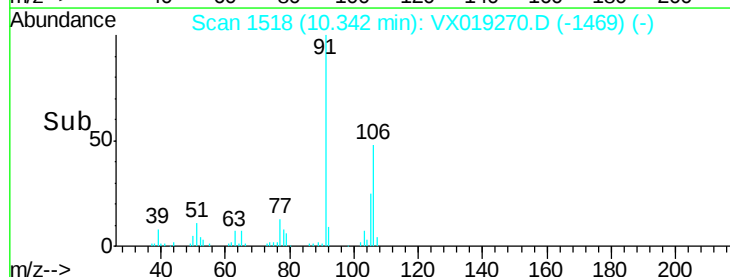
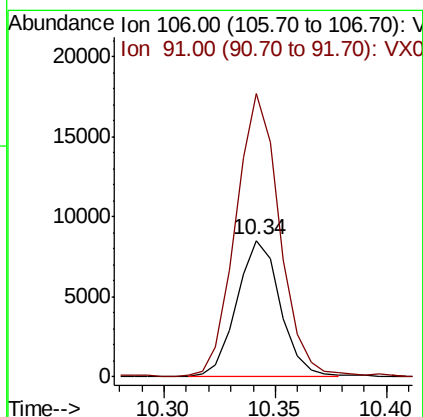
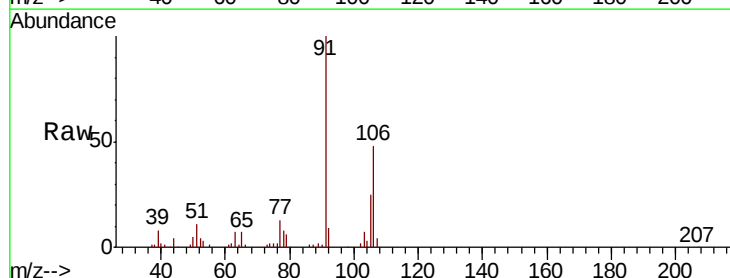
Instrument :
MSVOA_X
ClientSampled :
MDL-WATER-07

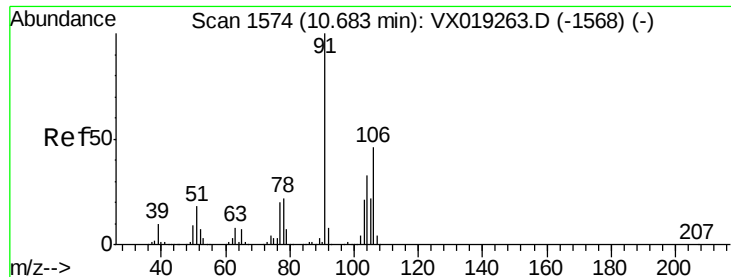
Tot Ion: 91 Resp: 32494
Ion Ratio Lower Upper
91 100
106 31.1 21.5 39.9



#53
m,p-Xylene
Concen: 2.571 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

Tgt Ion: 106 Resp: 11627
Ion Ratio Lower Upper
106 100
91 207.2 144.2 267.8

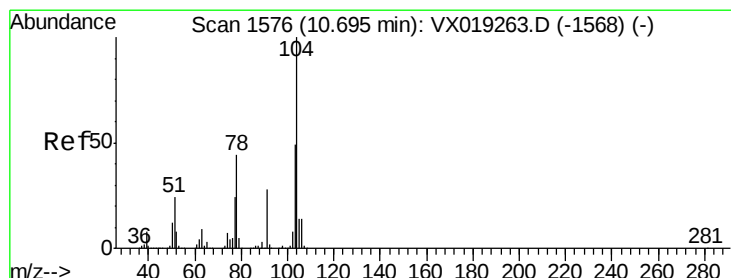
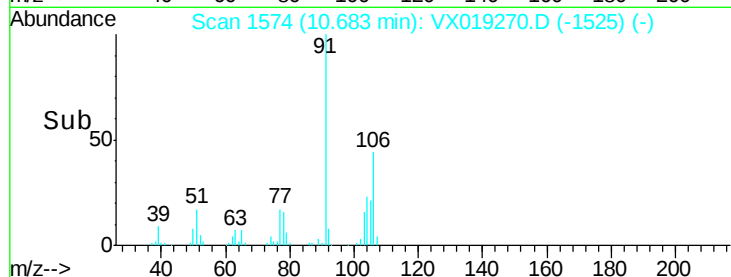
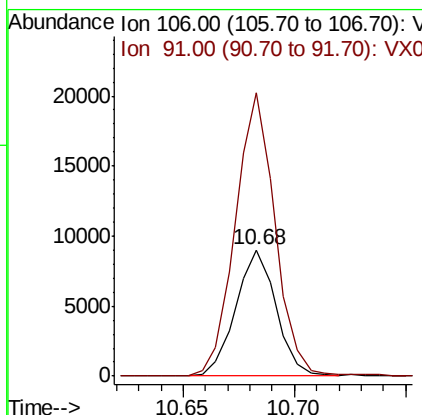
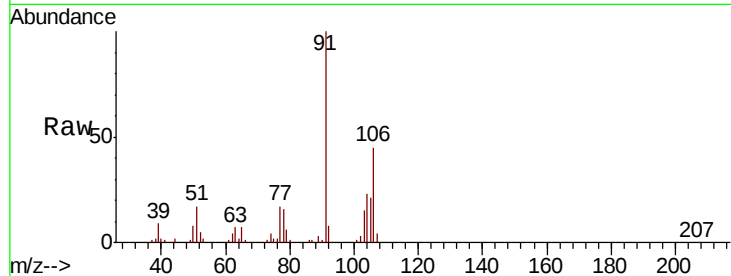




#54
o-Xylene
Concen: 2.607 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

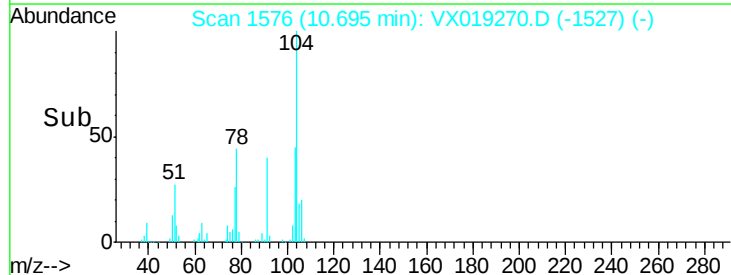
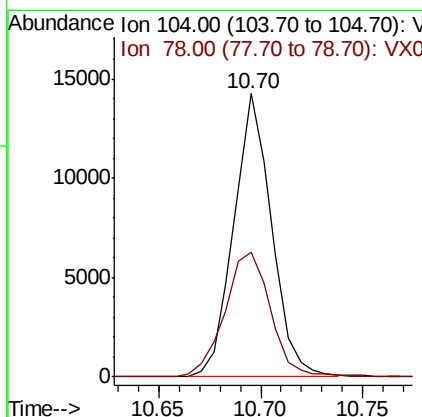
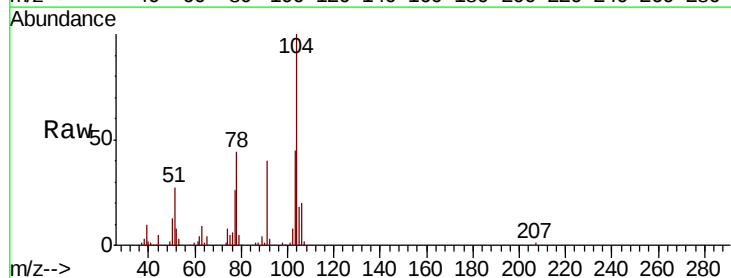
Instrument :
MSVOA_X
ClientSampled :
MDL-WATER-07

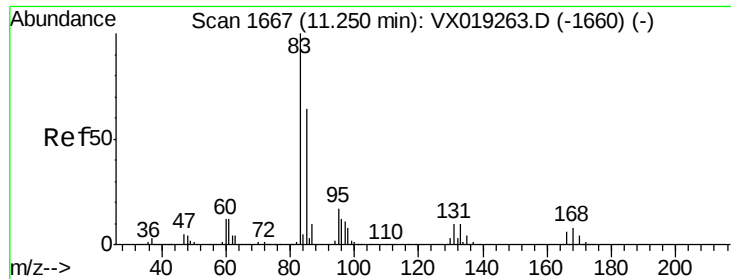
Tot Ion:106 Resp: 11411
Ion Ratio Lower Upper
106 100
91 224.4 153.3 284.7



#55
Styrene
Concen: 2.481 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

Tgt Ion:104 Resp: 18325
Ion Ratio Lower Upper
104 100
78 43.9 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 3.361 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

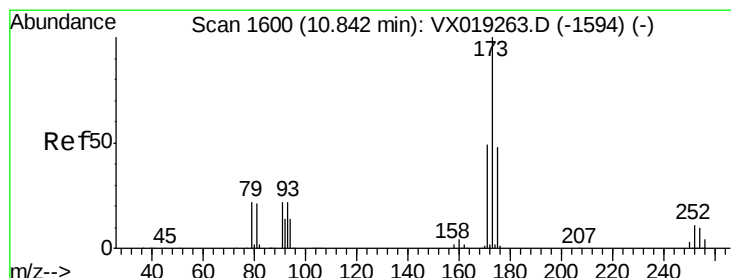
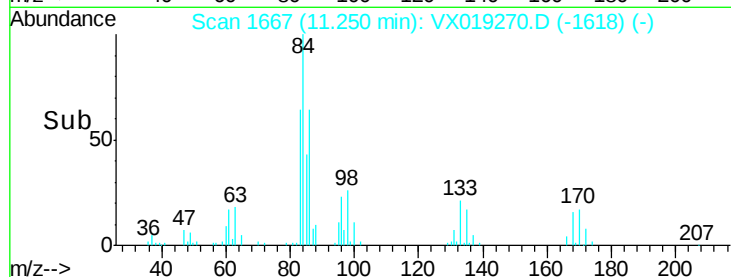
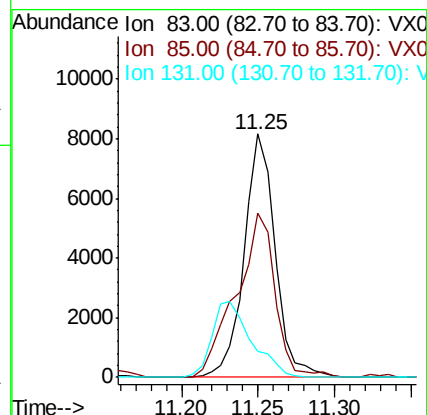
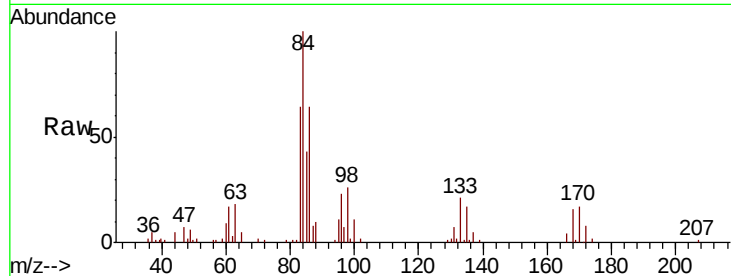
Tot Ion: 83 Resp: 11504

Ion Ratio Lower Upper

83 100

85 67.7 45.9 85.3

131 10.7 7.7 11.5



#59

Bromoform

Concen: 2.279 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

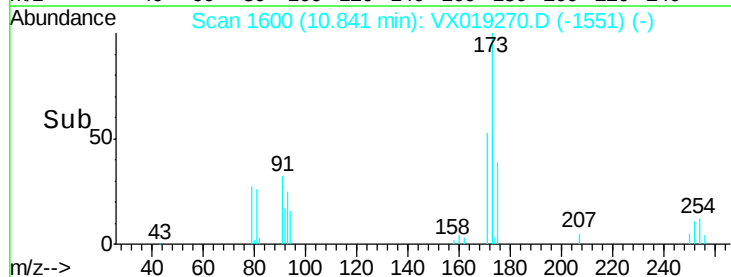
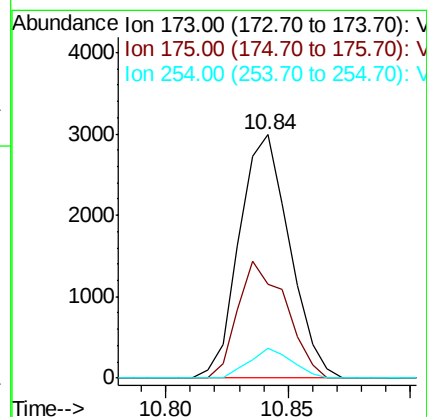
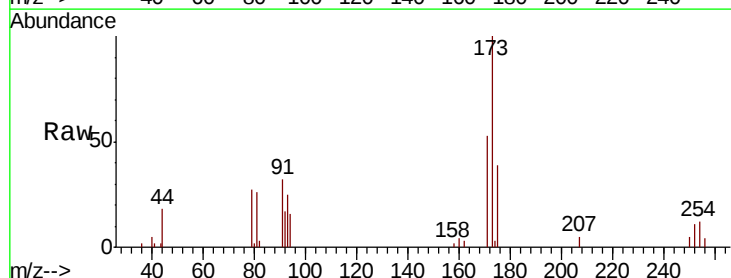
Tgt Ion: 173 Resp: 4273

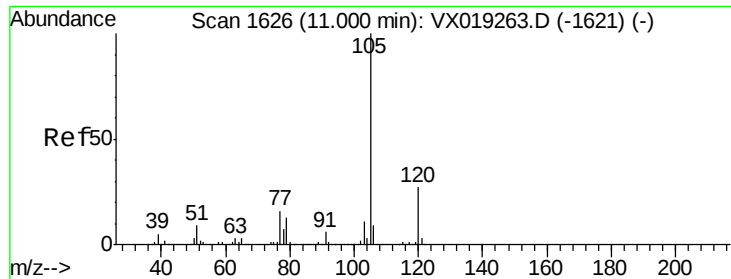
Ion Ratio Lower Upper

173 100

175 45.9 39.7 59.5

254 10.3 8.2 12.4





#60

Isopropylbenzene

Concen: 2.518 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

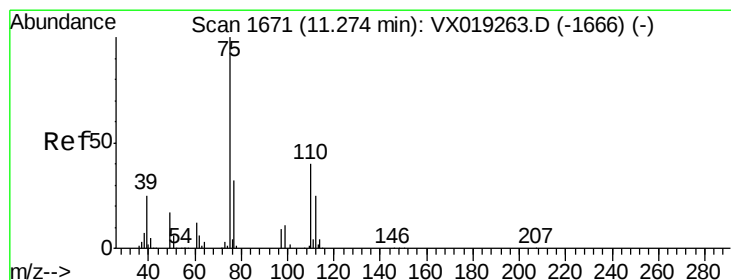
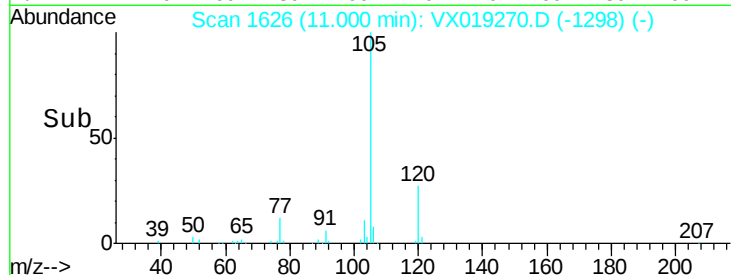
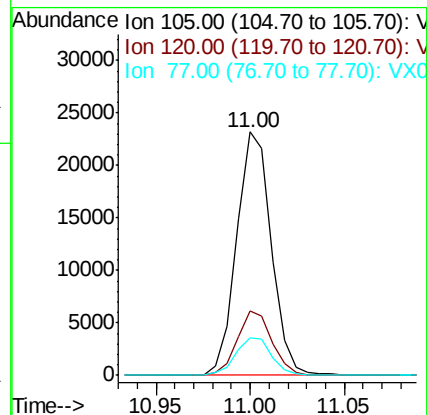
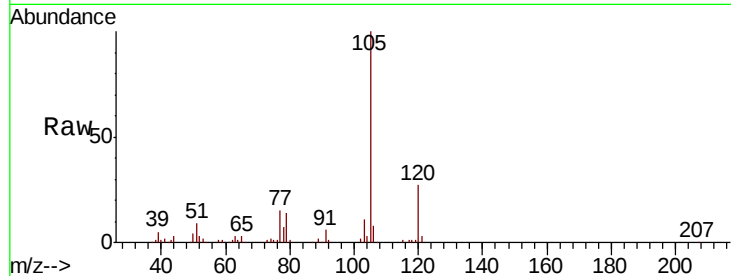
Tot Ion:105 Resp: 29583

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

77 15.9 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 3.083 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

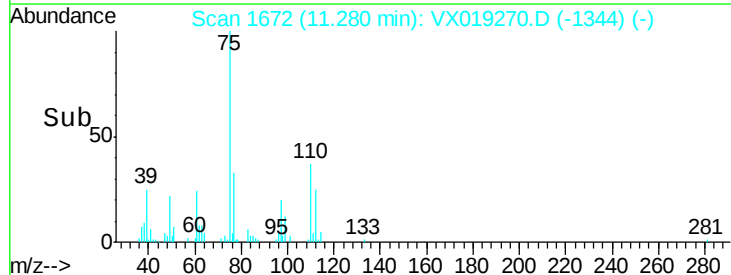
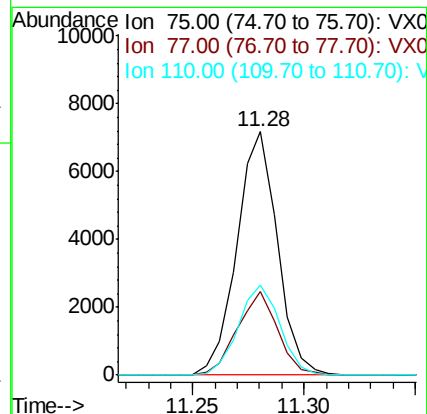
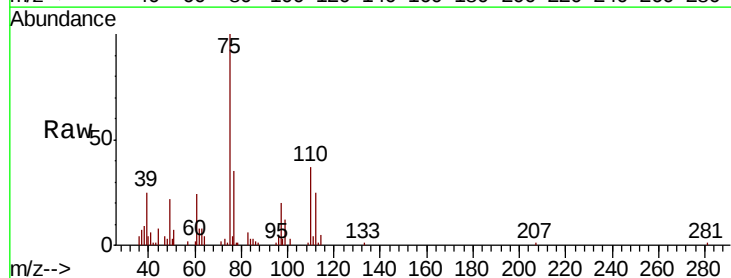
Tgt Ion: 75 Resp: 9090

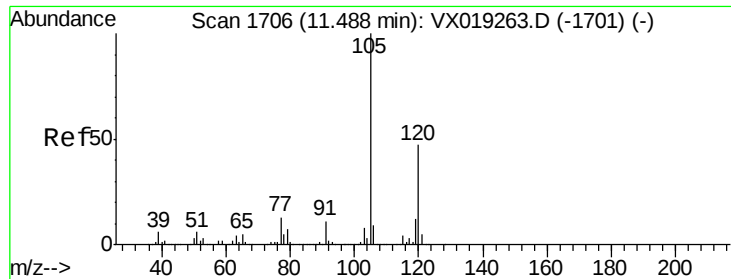
Ion Ratio Lower Upper

75 100

77 34.0 25.4 38.0

110 38.1 32.2 48.2





#62

1,3,5-Trimethylbenzene

Concen: 2.372 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

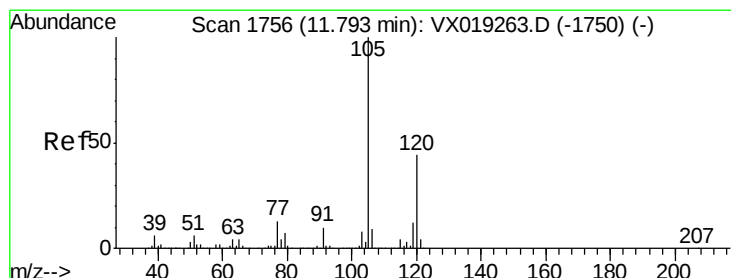
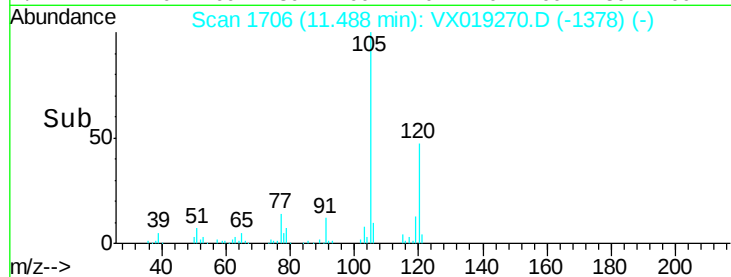
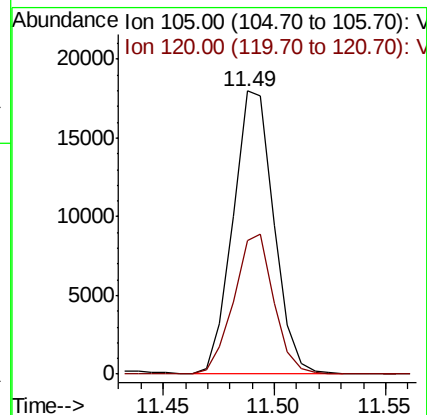
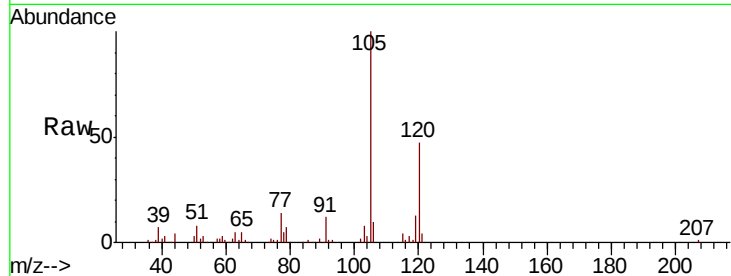
MDL-WATER-07

Tot Ion:105 Resp: 22928

Ion Ratio Lower Upper

105 100

120 48.5 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 2.529 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019270.D

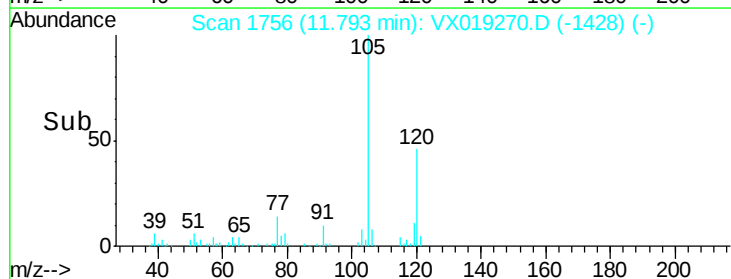
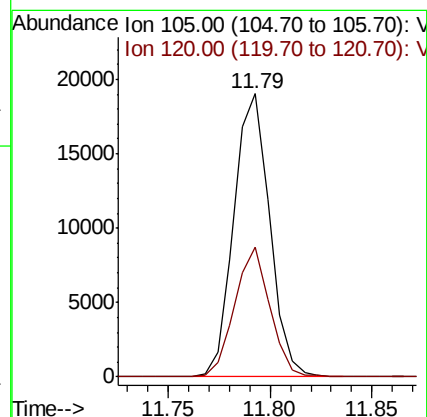
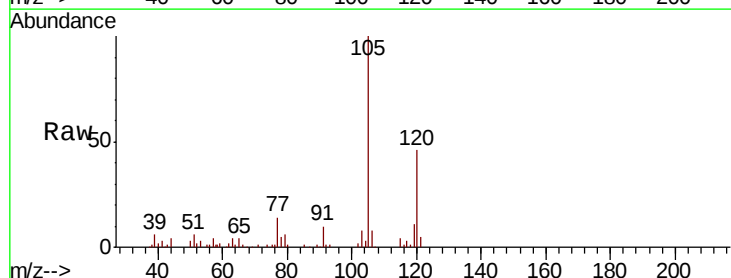
Acq: 04 Nov 2020 14:17

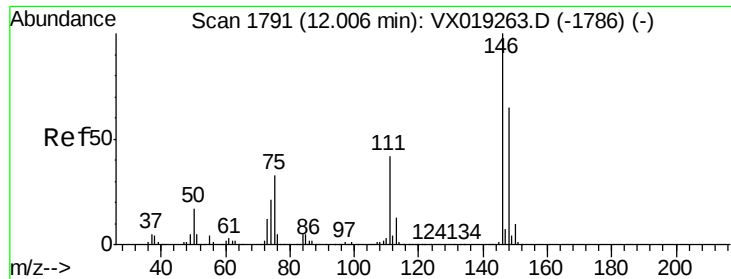
Tgt Ion:105 Resp: 23119

Ion Ratio Lower Upper

105 100

120 45.1 36.0 54.0





#64

1,3-Dichlorobenzene

Concen: 2.722 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

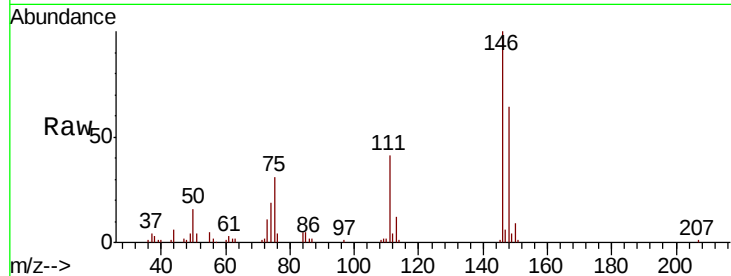
Tot Ion:146 Resp: 13804

Ion Ratio Lower Upper

146 100

111 40.8 29.7 55.1

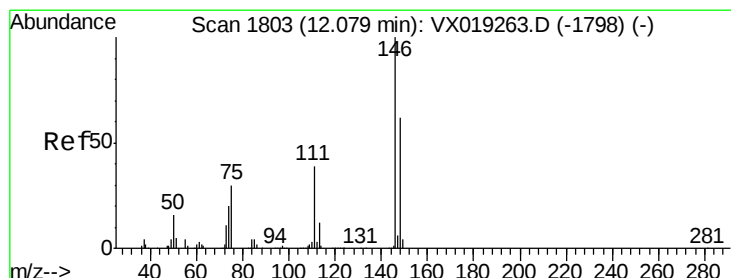
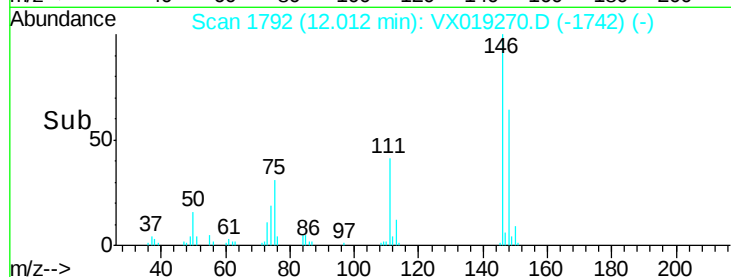
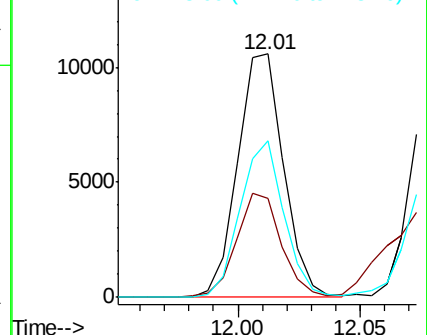
148 64.2 44.5 82.7



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: 2.706 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX019270.D

Acq: 04 Nov 2020 14:17

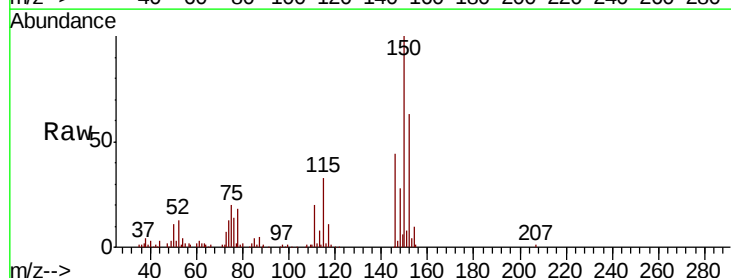
Tgt Ion:146 Resp: 13926

Ion Ratio Lower Upper

146 100

111 45.3 28.1 52.3

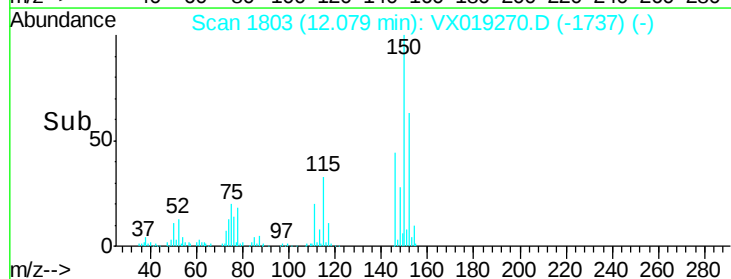
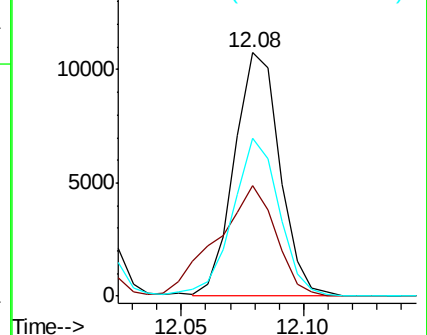
148 65.0 43.8 81.4

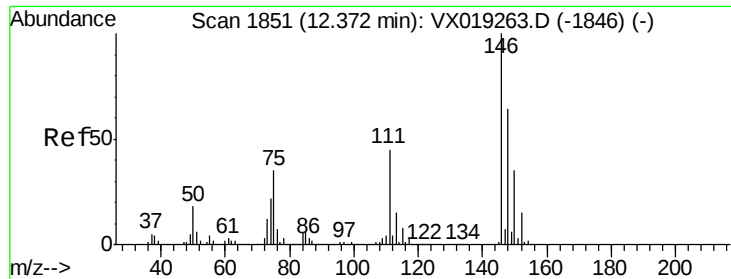


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

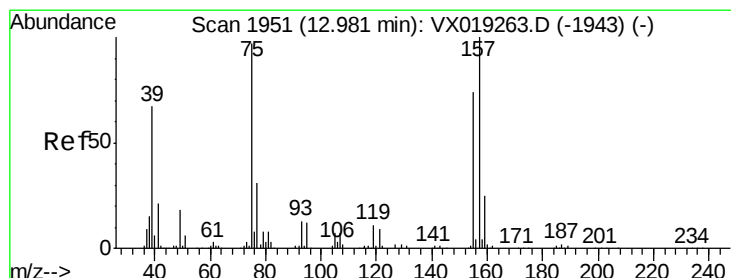
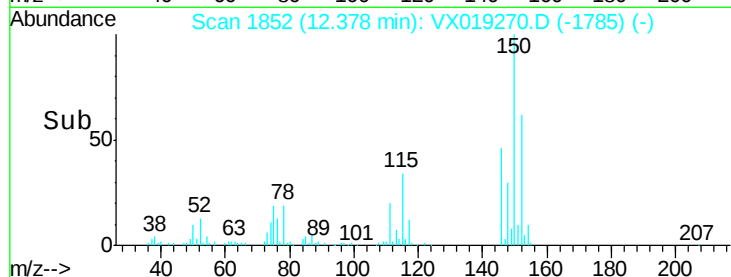
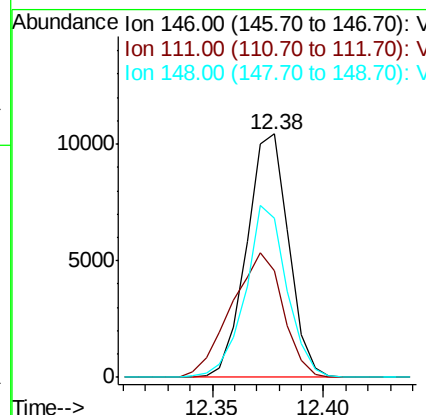
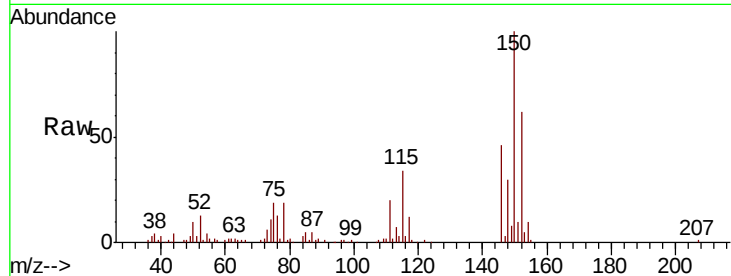




#67
 1,2-Dichlorobenzene
 Concen: 2.798 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019270.D
 Acq: 04 Nov 2020 14:17

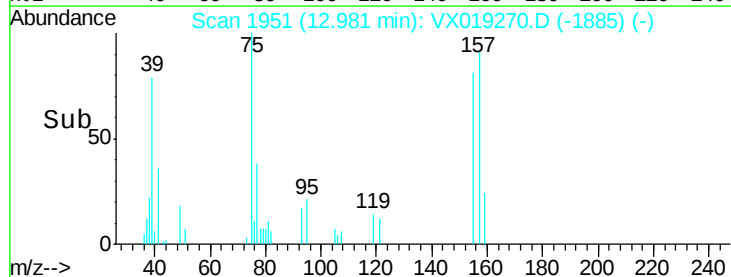
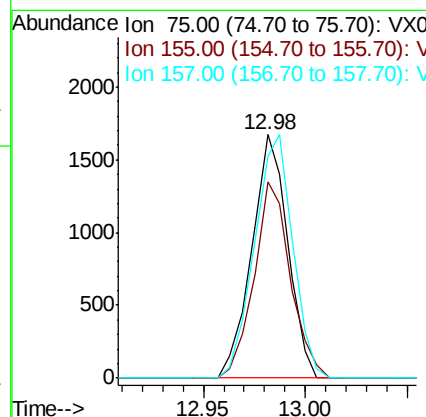
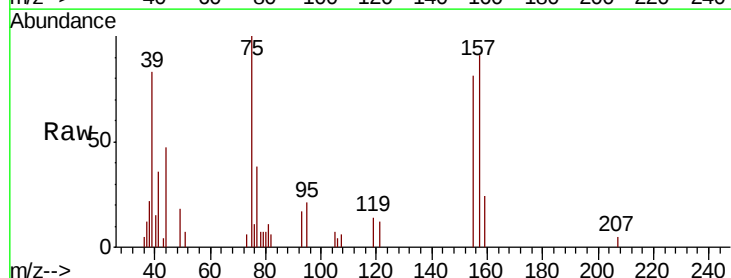
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

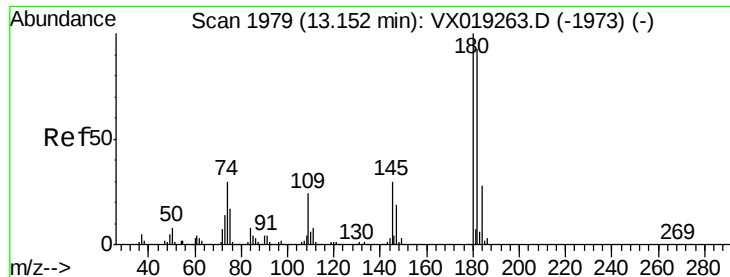
Tot Ion:146 Resp: 13742
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.9 53.9
 148 65.3 52.2 78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.548 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019270.D
 Acq: 04 Nov 2020 14:17

Tgt Ion: 75 Resp: 2046
 Ion Ratio Lower Upper
 75 100
 155 80.8 65.8 98.8
 157 91.2 82.6 123.8

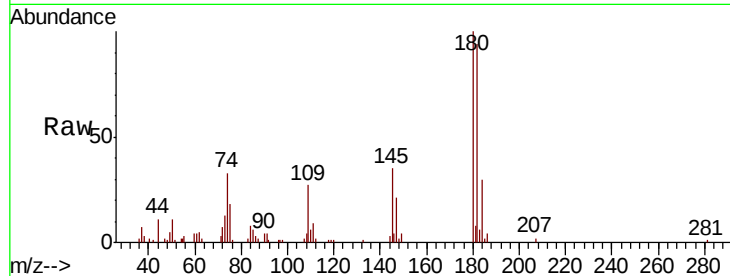




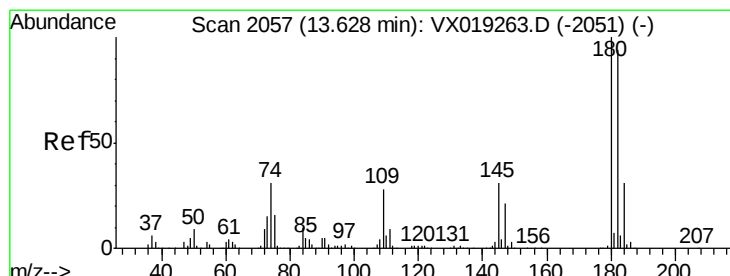
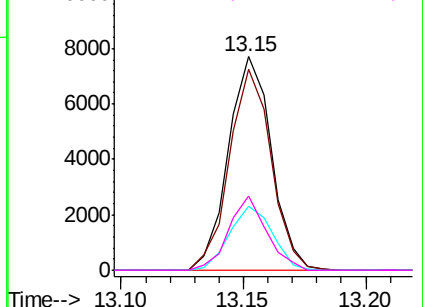
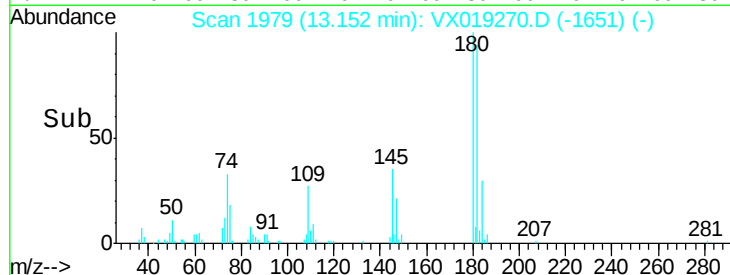
#69
 1,3,5-Trichlorobenzene
 Concen: 2.663 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019270.D
 Acq: 04 Nov 2020 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

Tot Ion:180 Resp: 9460
 Ion Ratio Lower Upper
 180 100
 182 91.7 78.8 118.2
 184 30.0 25.2 37.8
 145 30.2 25.8 38.6

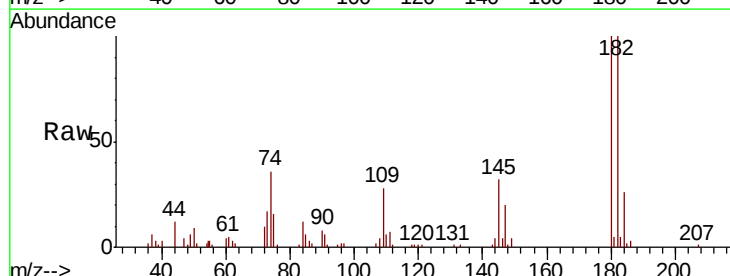


Abundance Ion 180.00 (179.70 to 180.70): V
 12000 Ion 182.00 (181.70 to 182.70): V
 10000 Ion 184.00 (183.70 to 184.70): V
 8000 Ion 145.00 (144.70 to 145.70): V

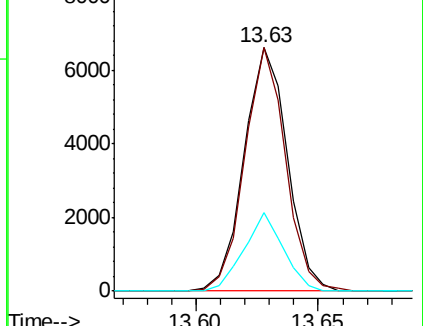
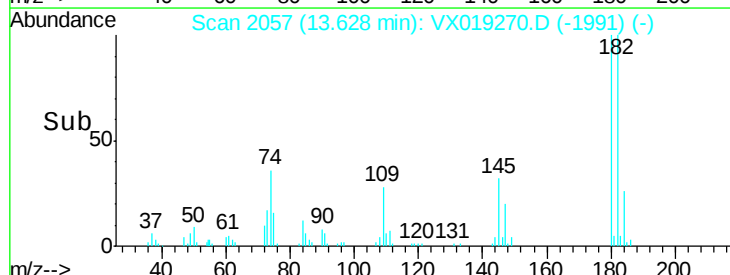


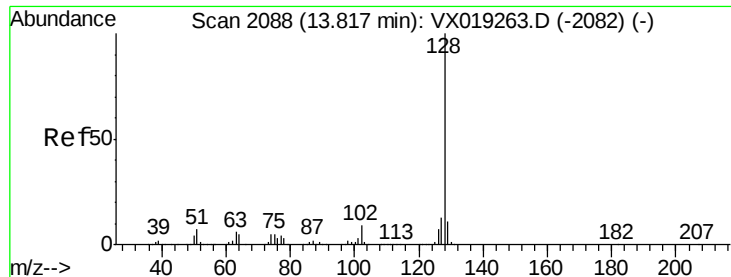
#70
 1,2,4-trichlorobenzene
 Concen: 2.479 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019270.D
 Acq: 04 Nov 2020 14:17

Tgt Ion:180 Resp: 8116
 Ion Ratio Lower Upper
 180 100
 182 94.3 74.6 111.8
 145 29.3 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V
 8000 Ion 182.00 (181.70 to 182.70): V
 6000 Ion 145.00 (144.70 to 145.70): V

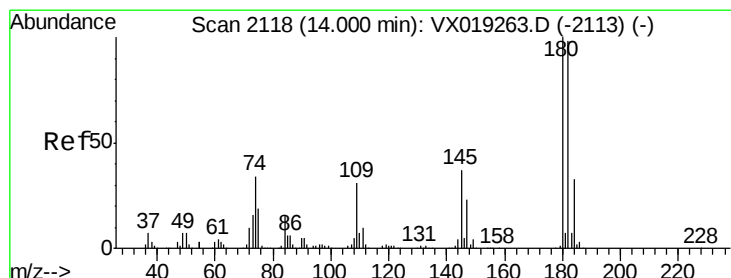
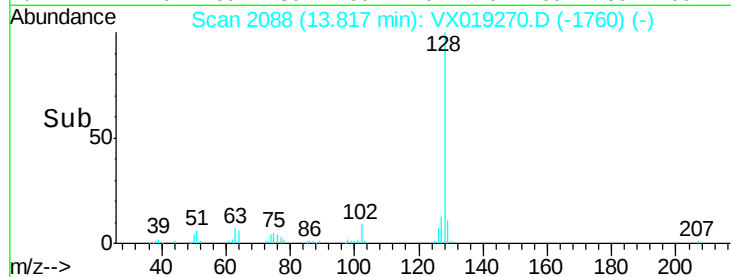
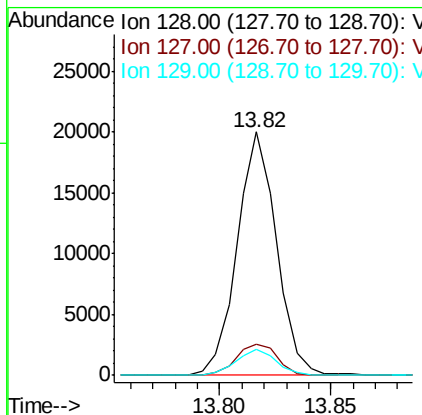
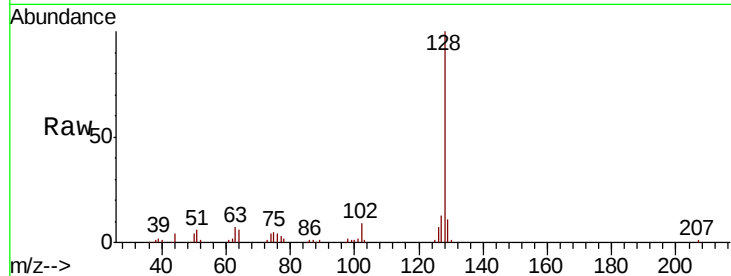




#71
Naphthalene
Concen: 2.316 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion:128 Resp: 24517
Ion Ratio Lower Upper
128 100
127 13.5 10.1 15.1
129 11.0 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 2.507 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019270.D
Acq: 04 Nov 2020 14:17

Tgt Ion:180 Resp: 8030
Ion Ratio Lower Upper
180 100
182 91.4 75.3 112.9
145 32.6 27.1 40.7

