

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
 Data File : VX019118.D
 Acq On : 26 Oct 2020 13:20
 Operator : JC/SP
 Sample : L4214-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Quant Time: Oct 27 05:16:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	43600	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.82	114	249044	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	221518	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	89387	30.78	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.60%
60) 4-Bromofluorobenzene	11.12	95	100366	30.19	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.63%
63) Toluene-d8	8.70	98	295224	30.19	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	5280	2.410	ug/l 98
3) Chloromethane	1.31	50	5255	2.654	ug/l 99
4) Vinyl Chloride	1.39	62	6187	2.384	ug/l 100
5) Bromomethane	1.64	94	7276	3.647	ug/l 99
6) Chloroethane	1.72	64	4474	2.544	ug/l 93
7) Trichlorofluoromethane	1.92	101	11006	2.436	ug/l 95
8) Diethyl Ether	2.17	74	4353	2.570	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5604	2.596	ug/l 97
10) 1,1-Dichloroethene	2.36	96	5279	2.405	ug/l 88
11) Methyl Iodide	2.50	142	4616	8.942	ug/l 92
12) Methyl Acetate	2.75	43	5204	2.395	ug/l 97
13) Acrolein	2.27	56	3795	18.969	ug/l 97
14) Acrylonitrile	3.12	53	12660	12.403	ug/l 98
15) Acetone	2.42	58	4340	14.842	ug/l 96
16) Carbon Disulfide	2.55	76	14511	2.379	ug/l 97
17) Allyl chloride	2.71	41	6862	2.503	ug/l 95
18) Methylene Chloride	2.83	84	8363	3.341	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	6388	2.492	ug/l 97
20) Diisopropyl ether	3.82	45	14036	2.527	ug/l # 84
21) 1,1-Dichloroethane	3.67	63	10274	2.520	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	7465	2.514	ug/l 97
23) tert-Butyl Alcohol	3.02	59	7127	14.402	ug/l # 100
24) Methyl tert-Butyl Ether	3.16	73	16986	2.448	ug/l 97
25) Chloroform	5.18	83	11109	2.459	ug/l 98
26) Cyclohexane	5.54	56	3996	1.261	ug/l # 7
29) 1,1-Dichloropropene	5.77	75	8463	2.409	ug/l 99
30) 2-Butanone	4.64	43	17755	12.685	ug/l 96
31) 2,2-Dichloropropane	4.54	77	9585	2.384	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	10051	2.380	ug/l 96
33) Carbon Tetrachloride	5.74	117	4744	1.295	ug/l 92
34) Benzene	6.11	78	24548	2.375	ug/l 98
35) Methacrylonitrile	5.00	41	3695	2.439	ug/l 93
36) 1,2-Dichloroethane	6.16	62	8504	2.398	ug/l 97
37) Trichloroethene	7.19	130	7156	2.408	ug/l 99
38) Methylcyclohexane	7.43	83	9374	2.380	ug/l 96
39) 1,2-Dichloropropane	7.49	63	5979	2.492	ug/l 96
40) Dibromomethane	7.64	93	4419	2.373	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	8446	2.294	ug/l	96
42) Vinyl Acetate	3.78	43	62459	11.469	ug/l	100
43) Ethyl Acetate	4.79	43	6306	2.148	ug/l #	81
44) Isopropyl Acetate	6.40	43	11865	2.413	ug/l	96
45) 1,4-Dioxane	7.74	88	2504	48.452	ug/l	94
46) Methyl methacrylate	7.74	41	5383	2.313	ug/l	92
47) n-amyl Acetate	10.88	43	8436	2.139	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	8964	2.175	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	9735	2.219	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	6395	2.371	ug/l	98
51) Ethyl methacrylate	9.16	69	8225	2.090	ug/l	98
52) 1,3-Dichloropropane	9.35	76	10704	2.436	ug/l	100
53) Dibromochloromethane	9.56	129	6613	2.202	ug/l	98
54) 1,2-Dibromoethane	9.65	107	6786	2.315	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	22561	10.726	ug/l	97
56) Bromoform	10.84	173	4330	2.063	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	33759	12.085	ug/l	98
59) 2-Hexanone	9.47	43	25180	12.096	ug/l	99
61) Tetrachloroethene	9.32	164	7166	2.727	ug/l	91
62) Toluene	8.76	91	27734	2.382	ug/l	98
64) Chlorobenzene	10.12	112	17981	2.485	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.20	131	6122	2.326	ug/l	98
66) Ethyl Benzene	10.23	91	30214	2.367	ug/l	97
67) m/p-Xylenes	10.34	106	22696	4.663	ug/l	99
68) o-Xylene	10.68	106	11097	2.390	ug/l	98
69) Styrene	10.70	104	17306	2.212	ug/l	98
70) Isopropylbenzene	11.00	105	29358	2.352	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	8841	2.453	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	10140	3.129	ug/l	87
73) Bromobenzene	11.24	156	7186	2.355	ug/l	98
74) n-propylbenzene	11.34	91	32374	2.290	ug/l	98
75) 2-Chlorotoluene	11.40	91	19336	2.418	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	23235	2.294	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	2628	2.042	ug/l	76
78) 4-Chlorotoluene	11.49	91	22450	2.390	ug/l	100
79) tert-butylbenzene	11.76	119	23606	2.367	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	23075	2.292	ug/l	99
81) sec-Butylbenzene	11.93	105	27640	2.342	ug/l	100
82) p-Isopropyltoluene	12.05	119	24062	2.212	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	13118	2.406	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	13122	2.370	ug/l	98
85) n-Butylbenzene	12.37	91	21760	2.234	ug/l	98
86) Hexachloroethane	12.58	117	3308	1.980	ug/l	88
87) 1,2-Dichlorobenzene	12.38	146	12734	2.439	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	12.98	75	1981	2.429	ug/l #	83
89) 1,2,4-Trichlorobenzene	13.63	180	8100	2.156	ug/l	98
90) Hexachlorobutadiene	13.77	225	3796	2.383	ug/l	98
91) Naphthalene	13.82	128	24694	2.008	ug/l	98
92) 1,2,3-Trichlorobenzene	14.00	180	8288	2.294	ug/l	98

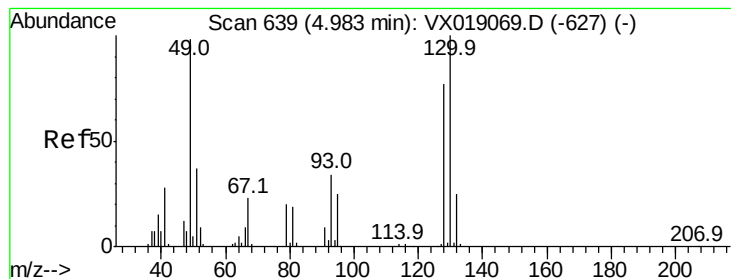
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 11:58:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

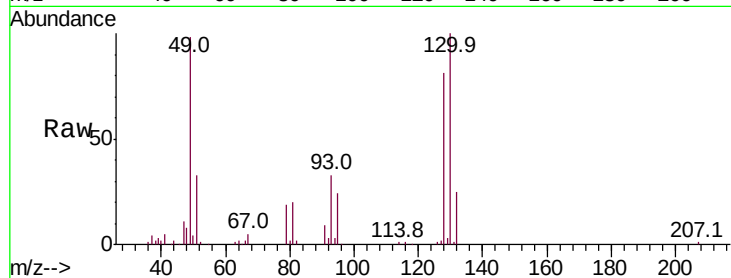
Tot Ion:128 Resp: 43600

Ion Ratio Lower Upper

128 100

49 128.7 0.0 318.8

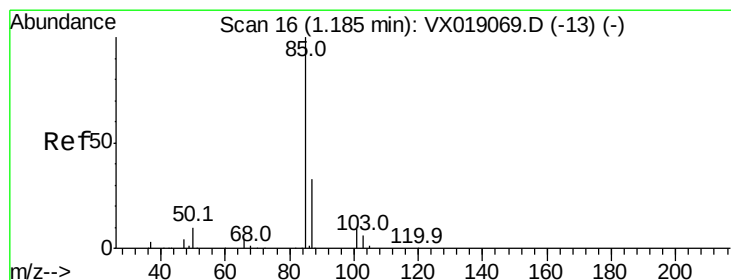
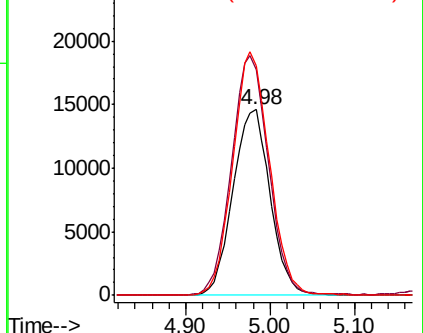
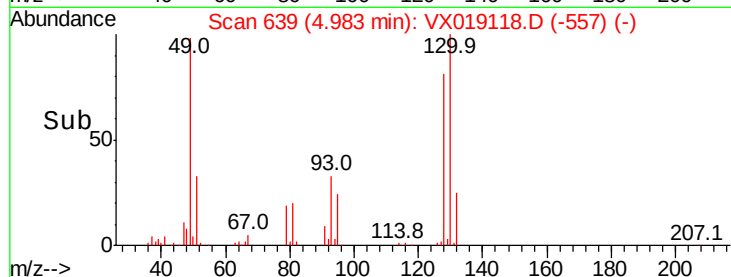
130 128.9 0.0 321.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.410 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019118.D

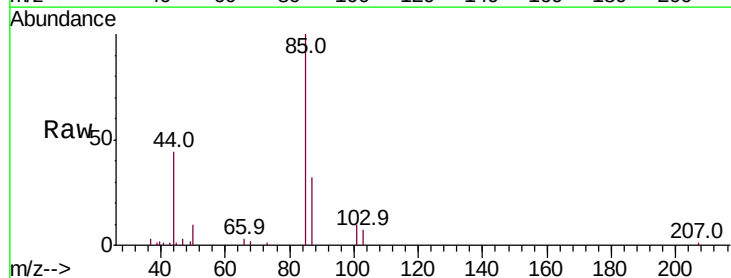
Acq: 26 Oct 2020 13:20

Tgt Ion: 85 Resp: 5280

Ion Ratio Lower Upper

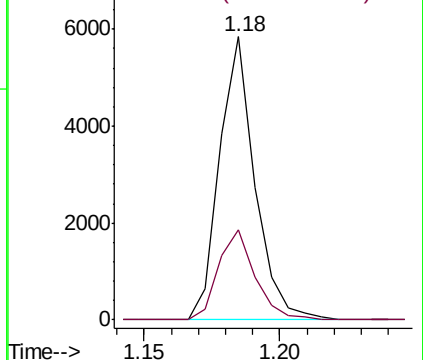
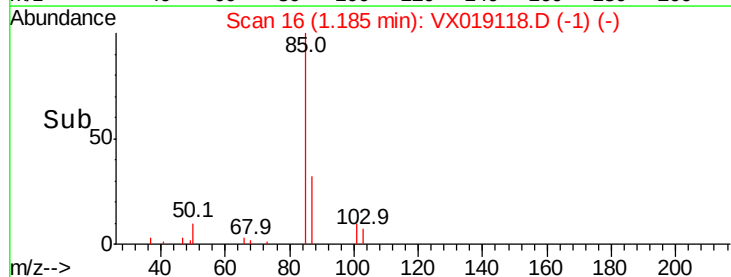
85 100

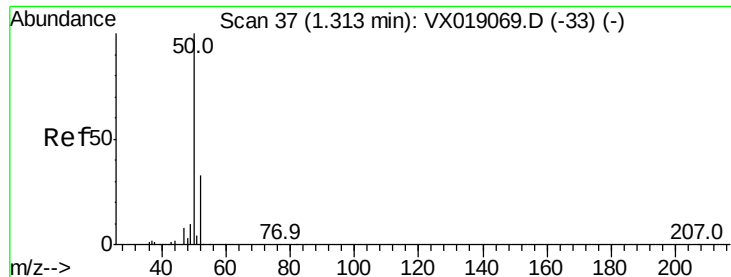
87 31.9 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 2.654 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

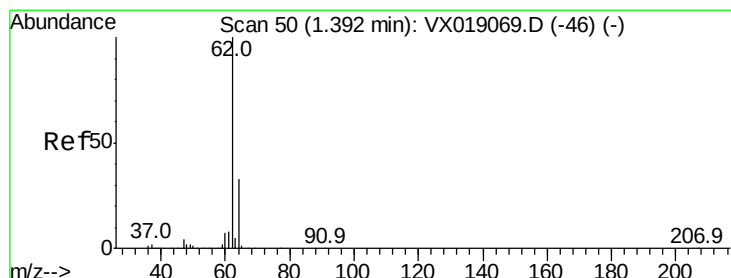
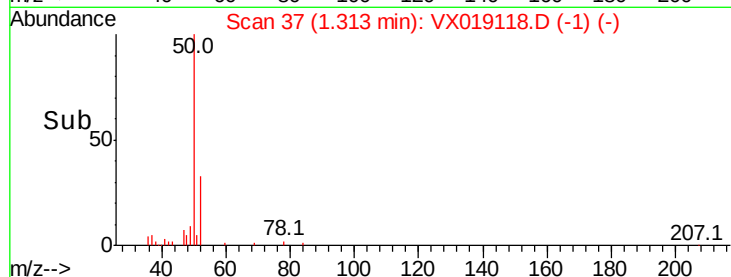
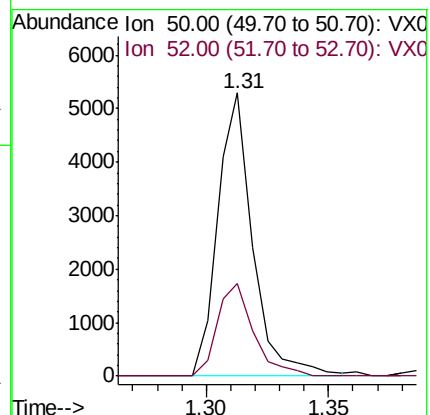
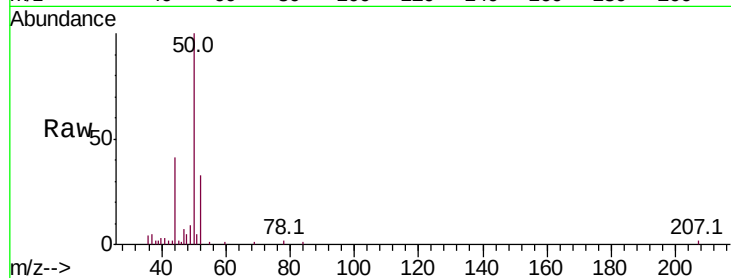
MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 5255

Ion Ratio Lower Upper

50 100

52 32.9 26.7 40.1



#4

Vinyl Chloride

Concen: 2.384 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019118.D

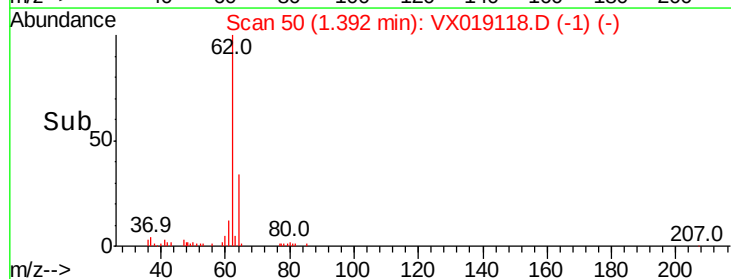
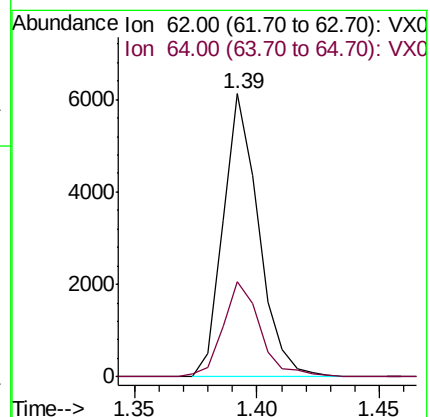
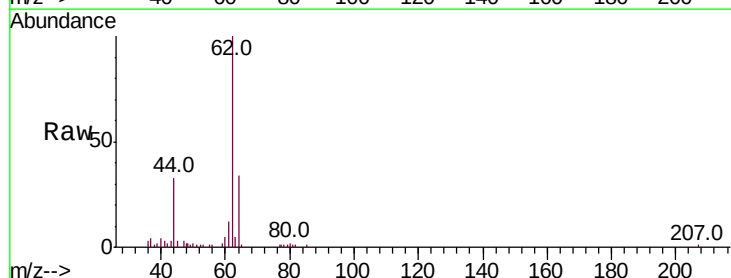
Acq: 26 Oct 2020 13:20

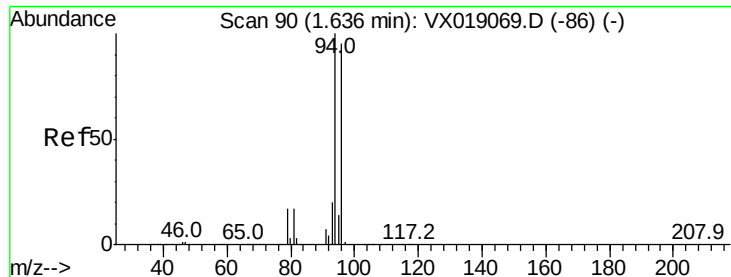
Tgt Ion: 62 Resp: 6187

Ion Ratio Lower Upper

62 100

64 33.7 26.7 40.1





#5

Bromomethane

Concen: 3.647 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

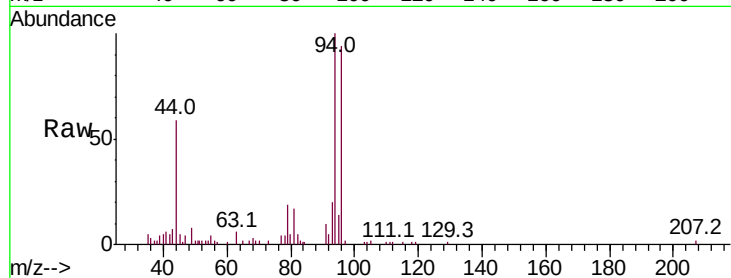
MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 7276

Ion Ratio Lower Upper

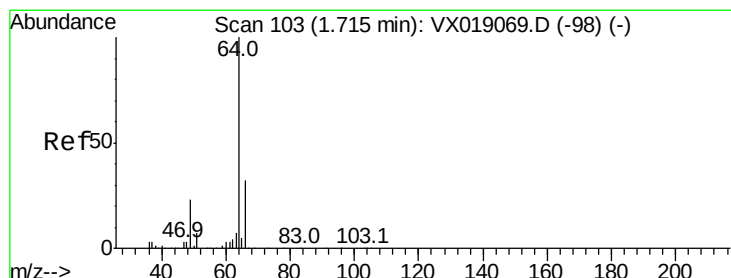
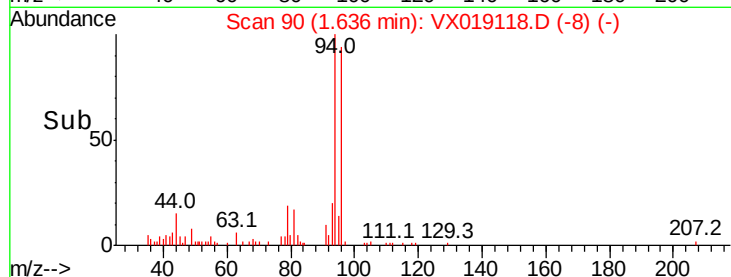
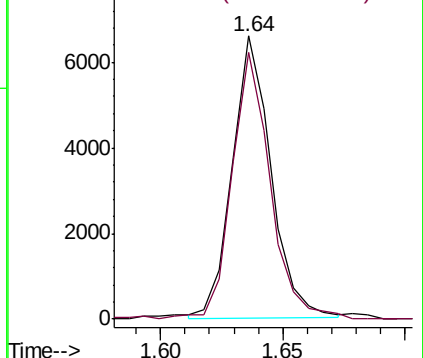
94 100

96 93.9 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 2.544 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019118.D

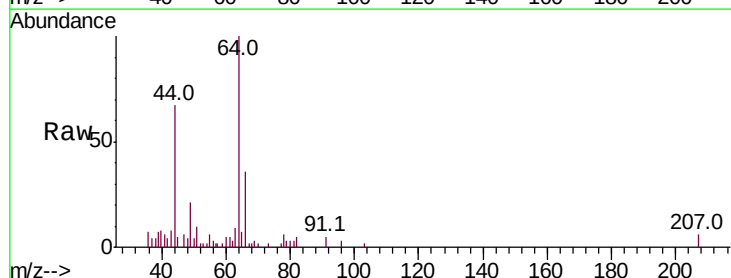
Acq: 26 Oct 2020 13:20

Tgt Ion: 64 Resp: 4474

Ion Ratio Lower Upper

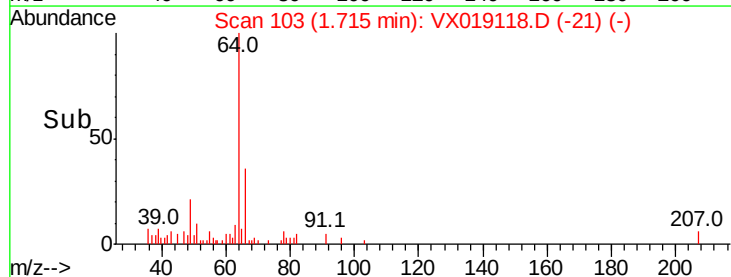
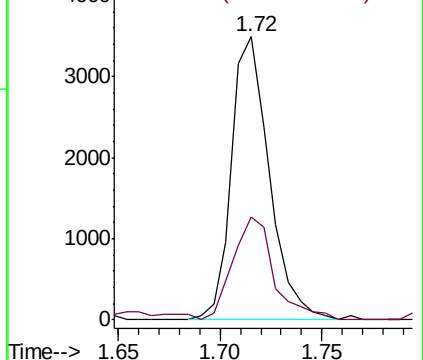
64 100

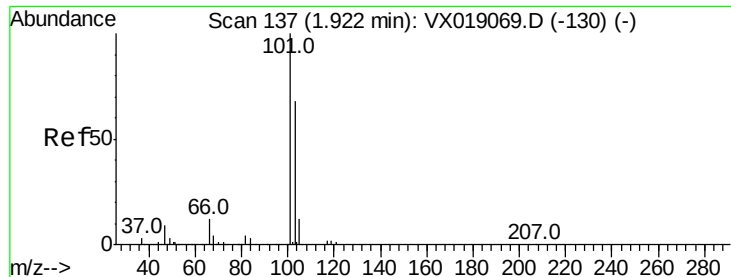
66 36.5 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



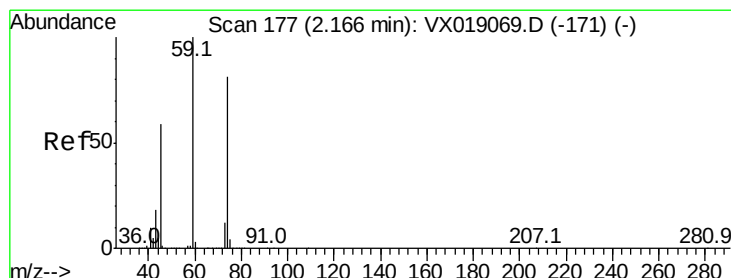
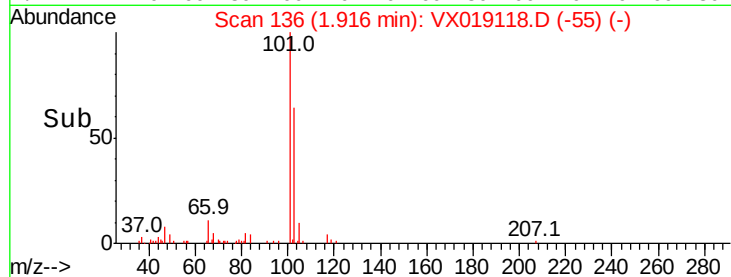
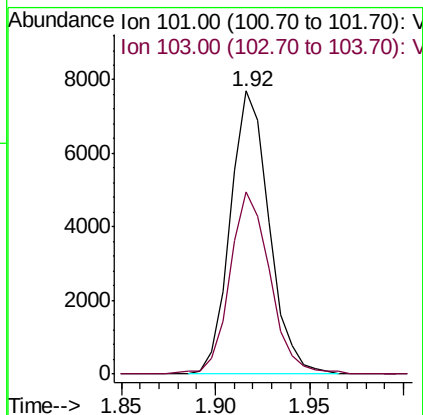
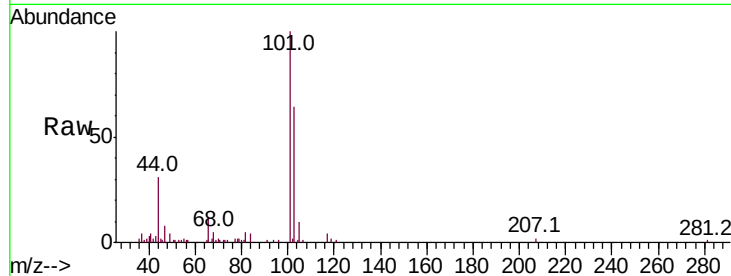


#7

Trichlorofluoromethane
 Concen: 2.436 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Instrument :
 MSVOA_X
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 MDL-WATER-03-QT4-2020

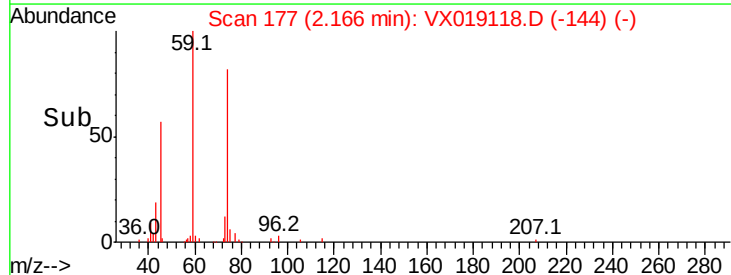
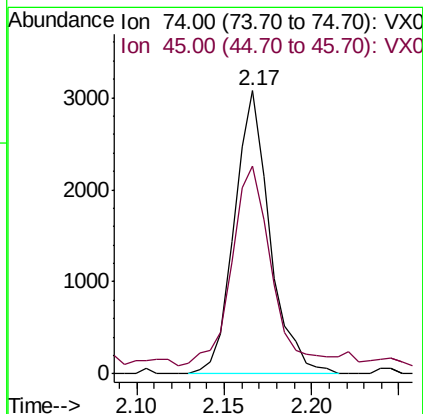
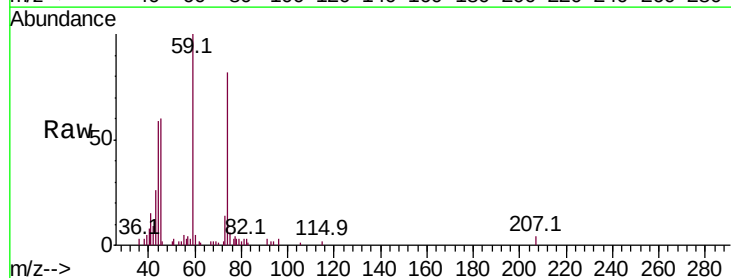
Tot Ion:101 Resp: 11006
 Ion Ratio Lower Upper
 101 100
 103 63.4 54.2 81.4

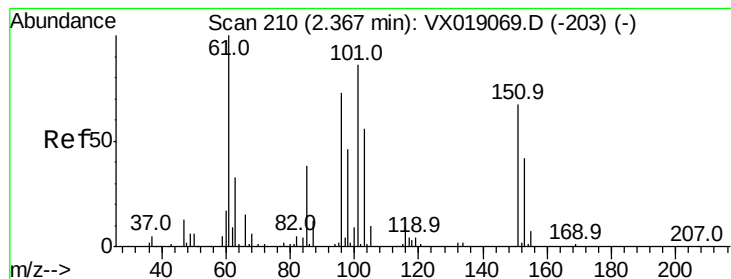


#8

Diethyl Ether
 Concen: 2.570 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion: 74 Resp: 4353
 Ion Ratio Lower Upper
 74 100
 45 79.1 14.5 130.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.596 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

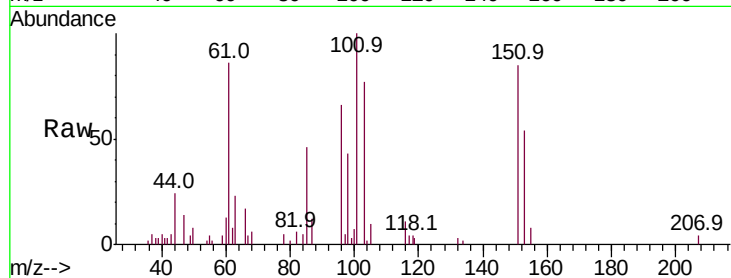
Tot Ion:101 Resp: 5604

Ion Ratio Lower Upper

101 100

85 42.9 0.0 87.0

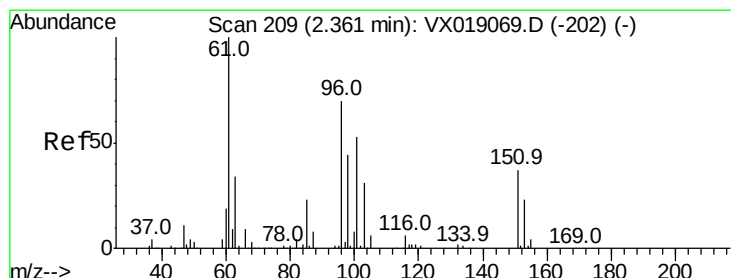
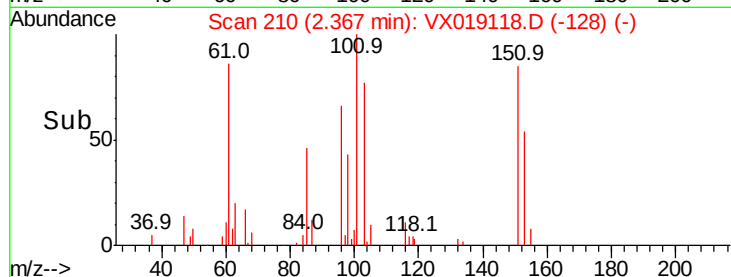
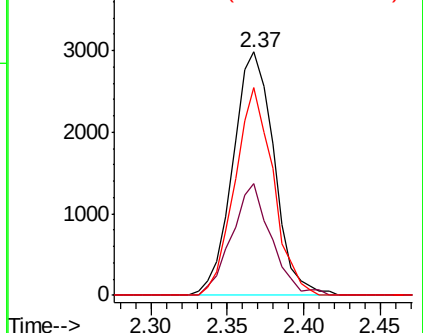
151 79.0 0.0 151.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.405 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

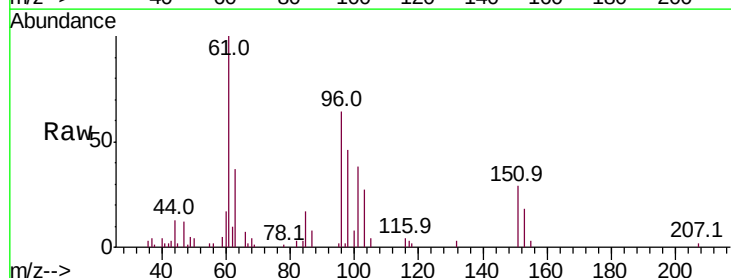
Tgt Ion: 96 Resp: 5279

Ion Ratio Lower Upper

96 100

61 157.2 113.8 170.8

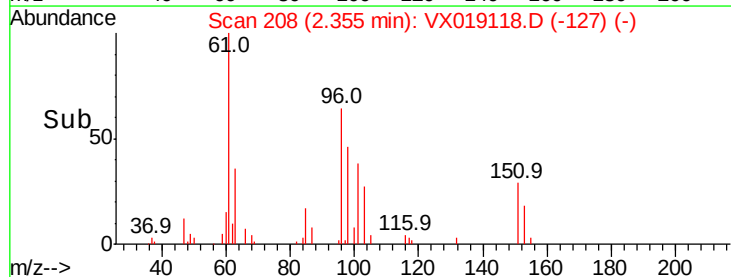
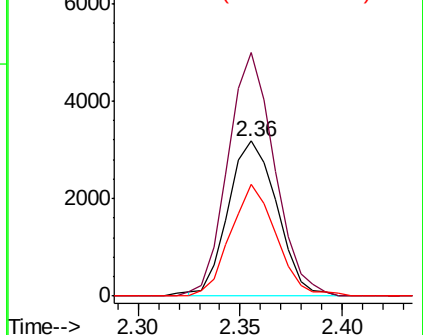
98 71.8 50.4 75.6

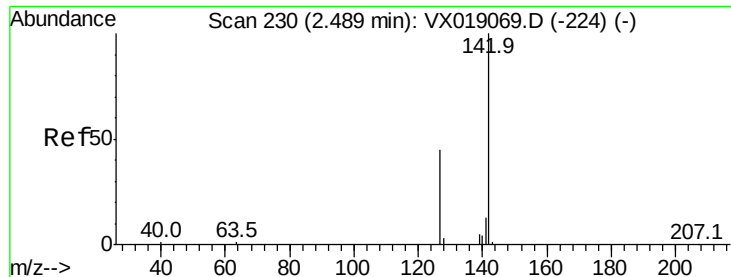


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

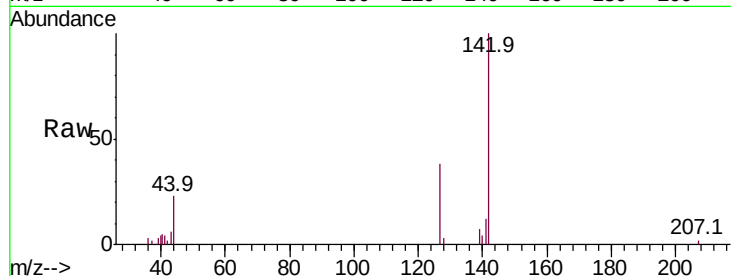




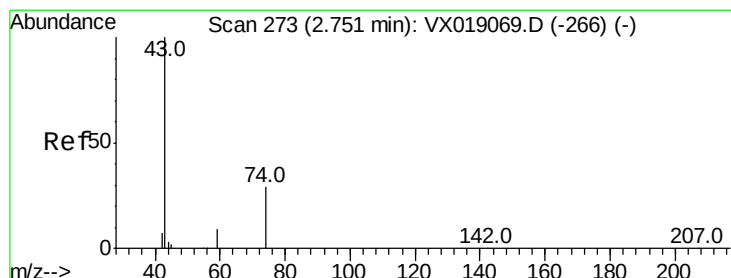
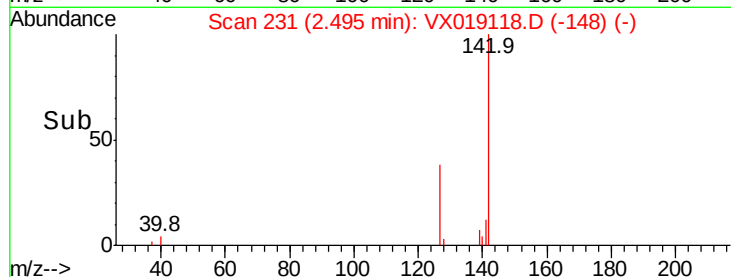
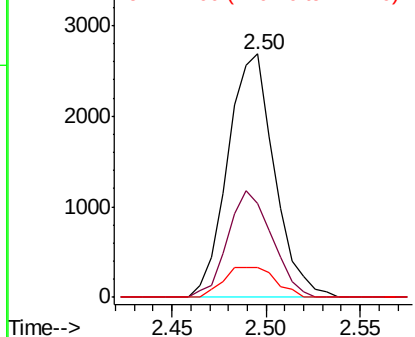
#11
Methvl Iodide
Concen: 8.942 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion:142 Resp: 4616
Ion Ratio Lower Upper
142 100
127 38.3 22.6 67.7
141 12.5 6.3 19.1

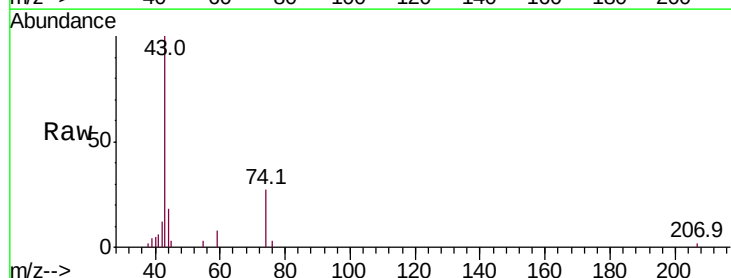


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

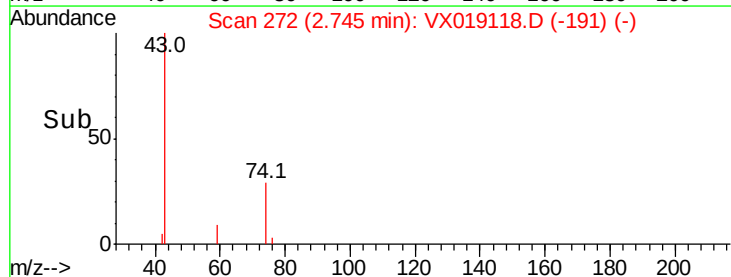
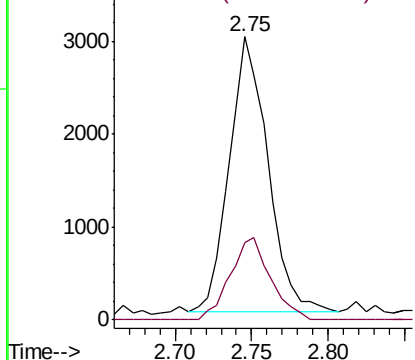


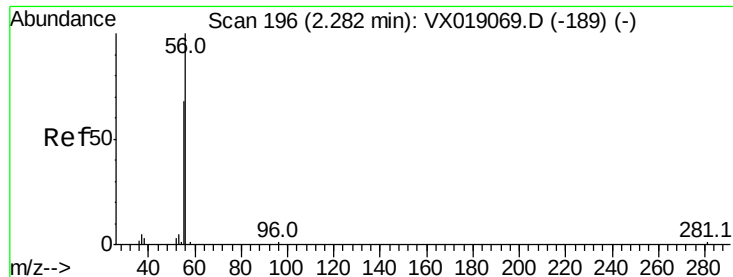
#12
Methyl Acetate
Concen: 2.395 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion: 43 Resp: 5204
Ion Ratio Lower Upper
43 100
74 28.1 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 18.969 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

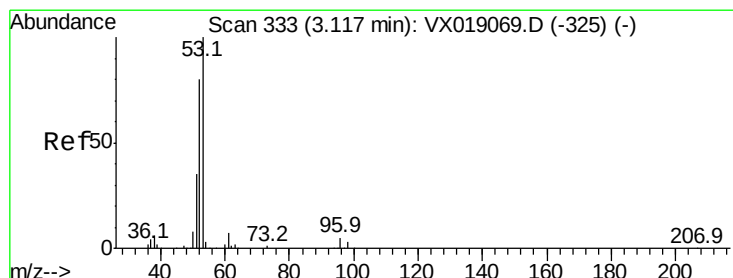
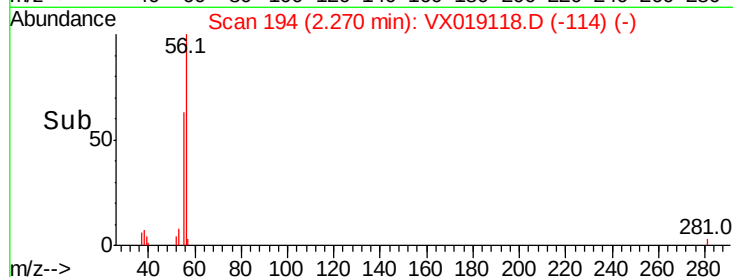
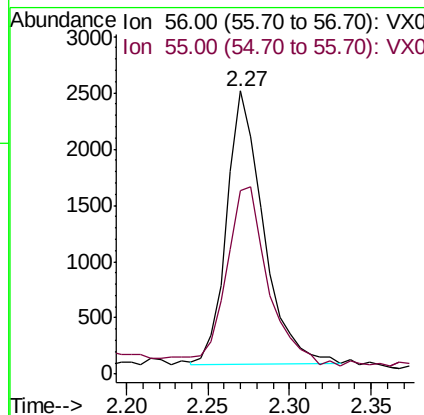
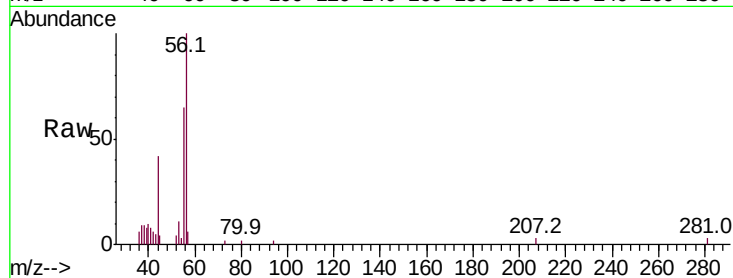
MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 3795

Ion Ratio Lower Upper

56 100

55 75.5 58.2 87.2



#14

Acrylonitrile

Concen: 12.403 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

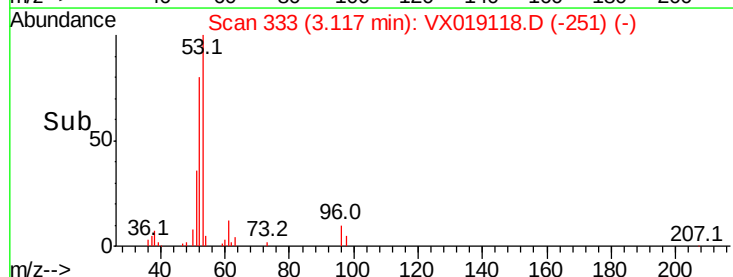
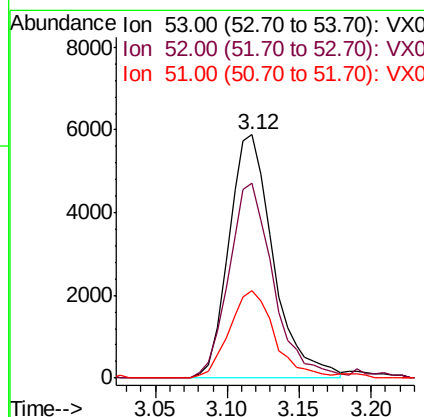
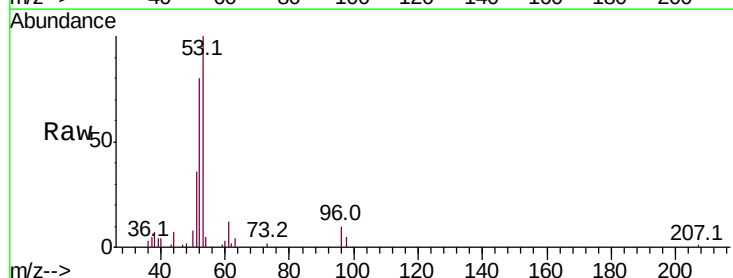
Tgt Ion: 53 Resp: 12660

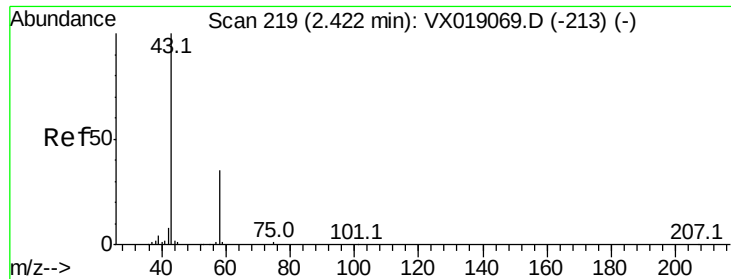
Ion Ratio Lower Upper

53 100

52 80.0 41.0 123.0

51 36.4 18.2 54.6





#15

Acetone

Concen: 14.842 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

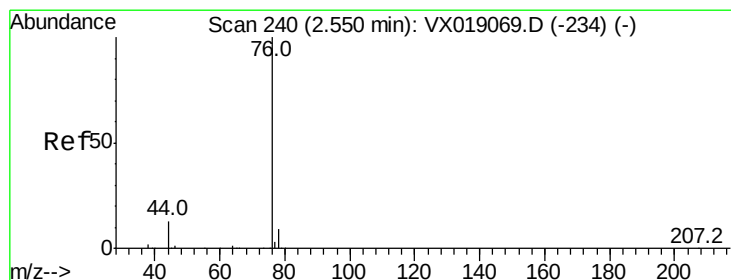
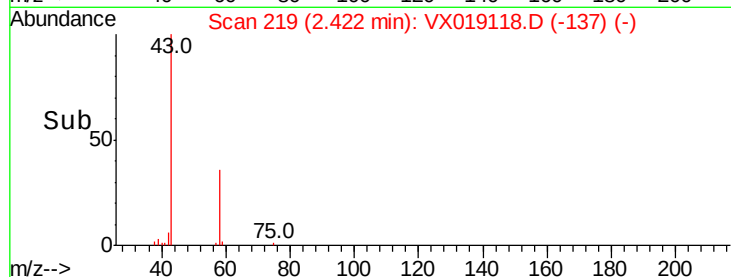
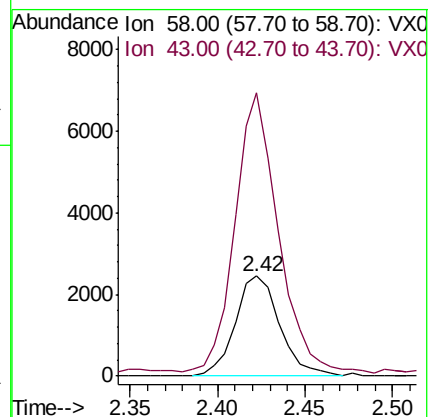
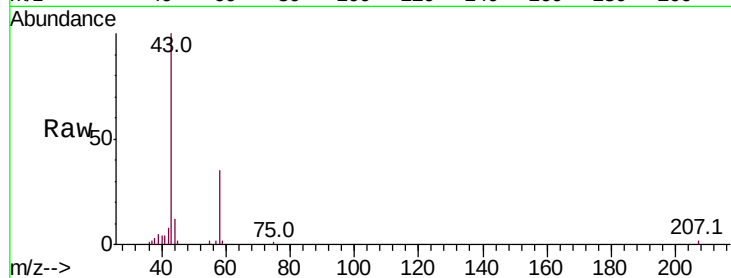
MDL-WATER-03-QT4-2020

Tot Ion: 58 Resp: 4340

Ion Ratio Lower Upper

58 100

43 276.4 226.7 340.1



#16

Carbon Disulfide

Concen: 2.379 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019118.D

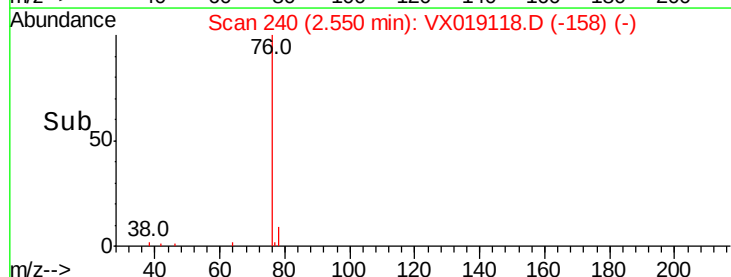
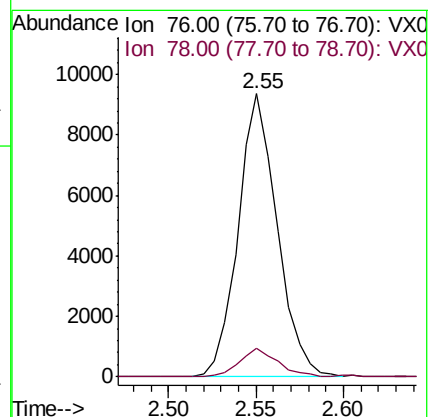
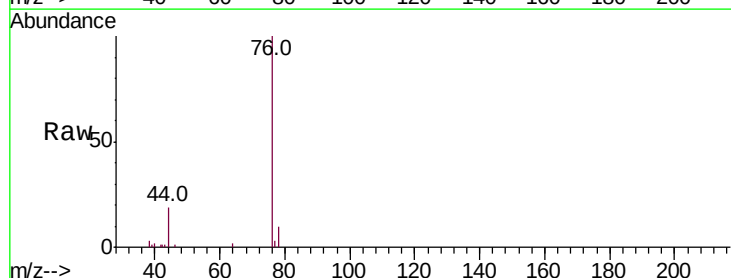
Acq: 26 Oct 2020 13:20

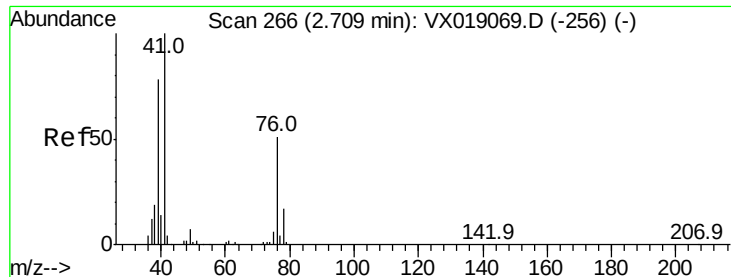
Tgt Ion: 76 Resp: 14511

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8





#17

Allvl chloride

Concen: 2.503 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

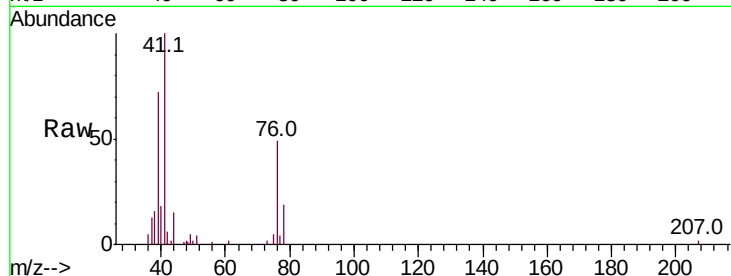
Tot Ion: 41 Resp: 6862

Ion Ratio Lower Upper

41 100

39 71.1 38.8 116.3

76 50.1 25.8 77.4

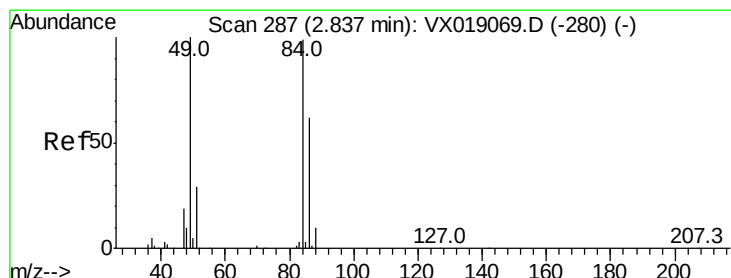
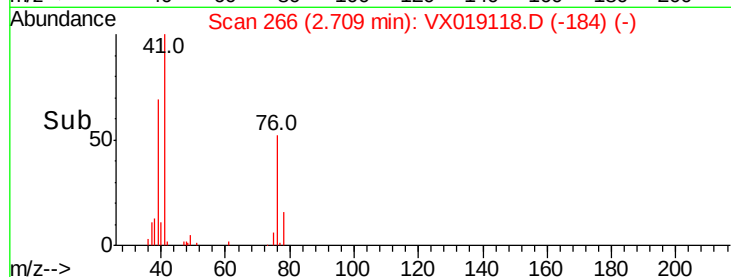
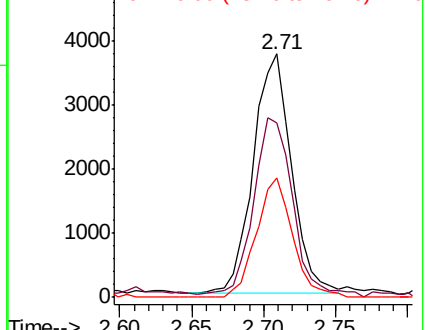


Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 3.341 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Tgt Ion: 84 Resp: 8363

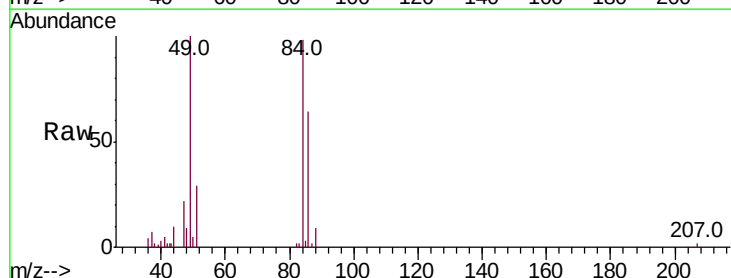
Ion Ratio Lower Upper

84 100

49 102.0 80.9 121.3

51 29.7 23.8 35.6

86 65.1 50.6 75.8



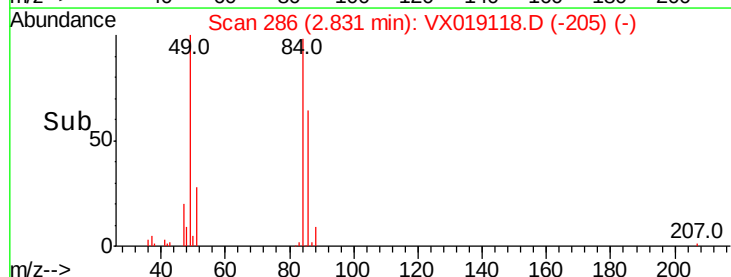
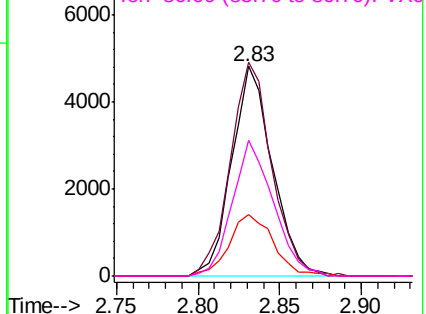
Abundance

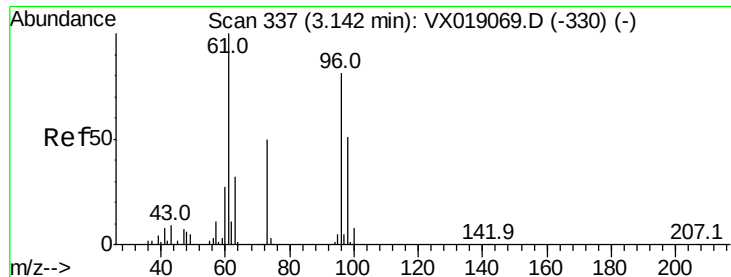
Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

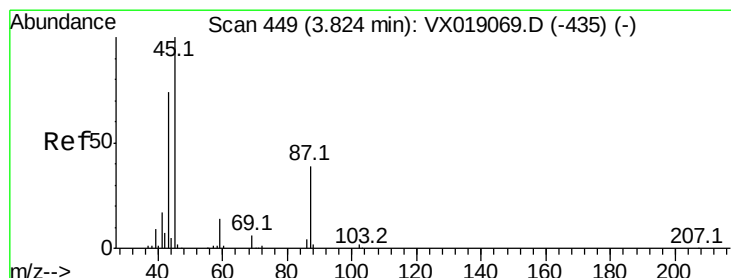
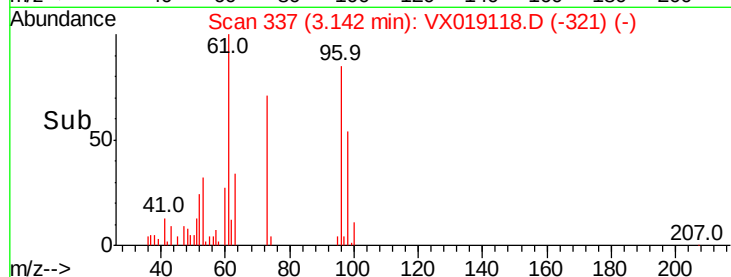
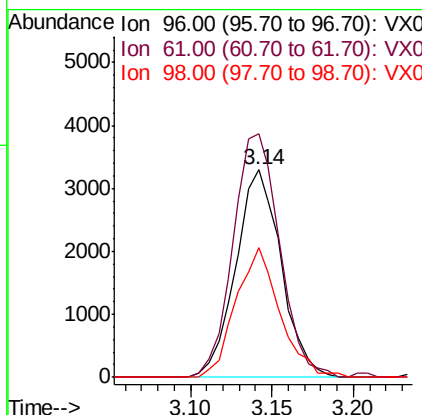
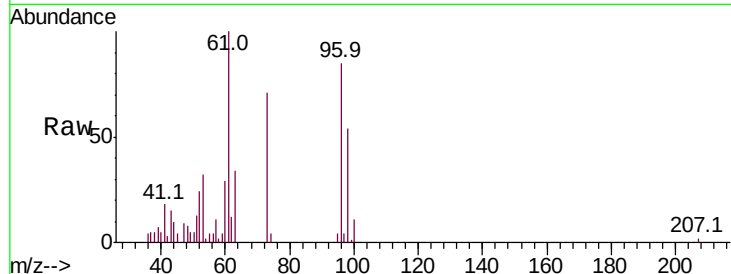




#19
trans-1,2-Dichloroethene
Concen: 2.492 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

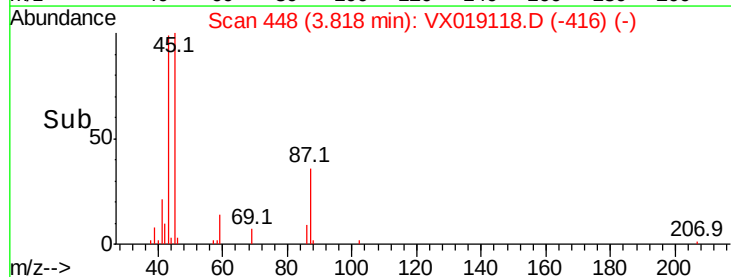
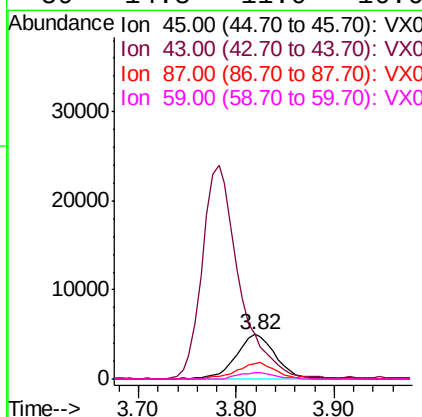
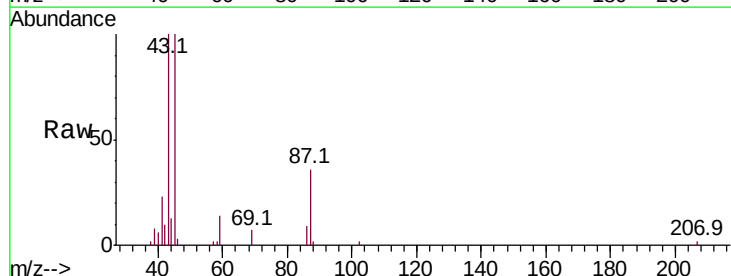
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

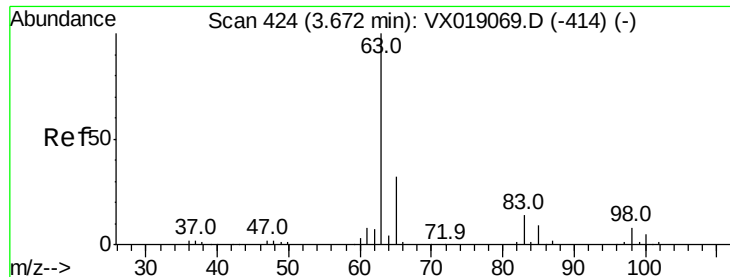
Tot Ion: 96 Resp: 6388
Ion Ratio Lower Upper
96 100
61 117.4 98.4 147.6
98 62.8 49.9 74.9



#20
Diisopropyl ether
Concen: 2.527 ug/l
RT: 3.82 min Scan# 448
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion: 45 Resp: 14036
Ion Ratio Lower Upper
45 100
43 96.1 60.6 91.0#
87 35.7 30.9 46.3
59 14.3 11.0 16.6

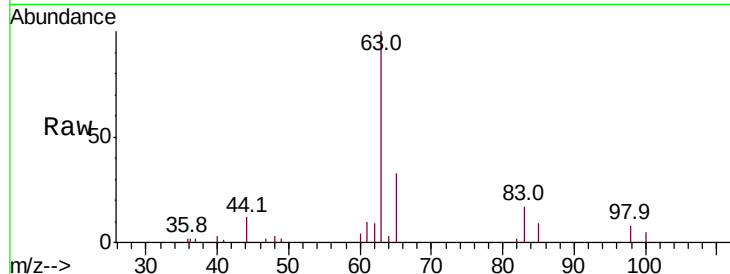




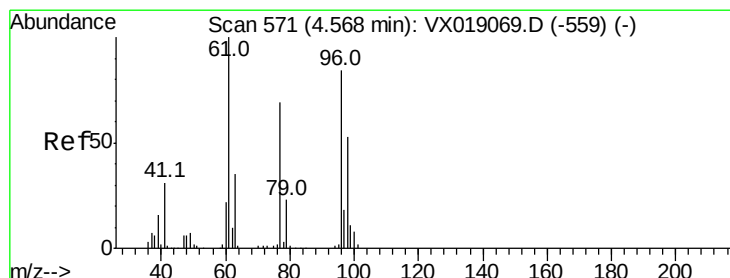
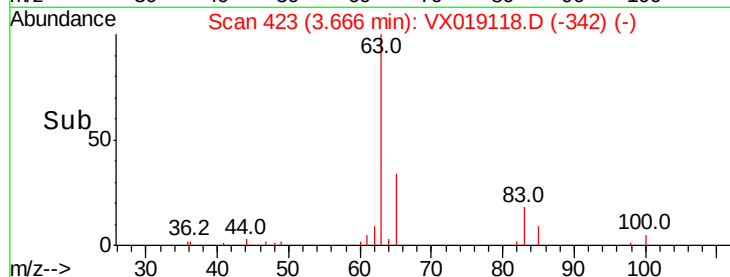
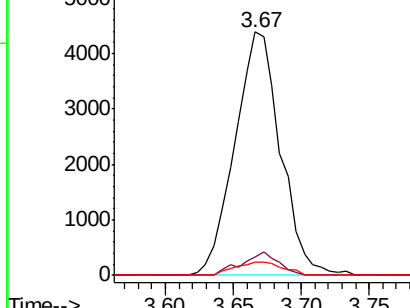
#21
 1,1-Dichloroethane
 Concen: 2.520 ug/l
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 10274
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.7
 100 5.2 2.4 7.2

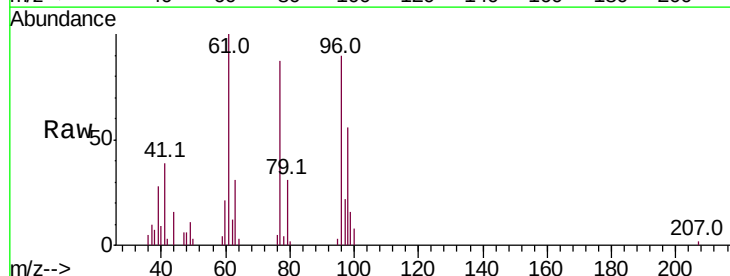


Abundance Ion 63.00 (62.70 to 63.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0

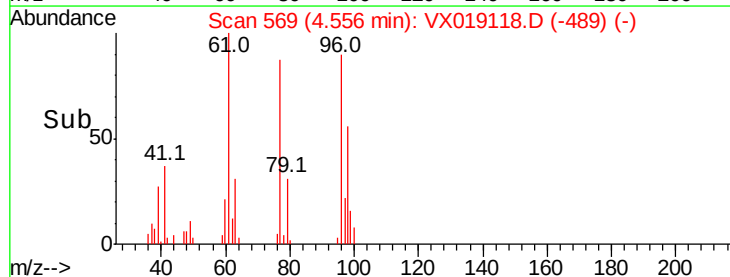
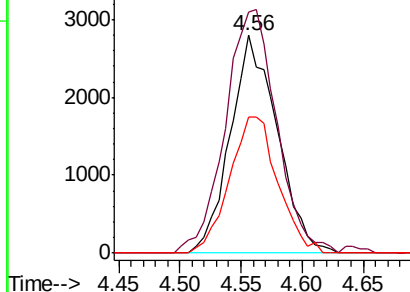


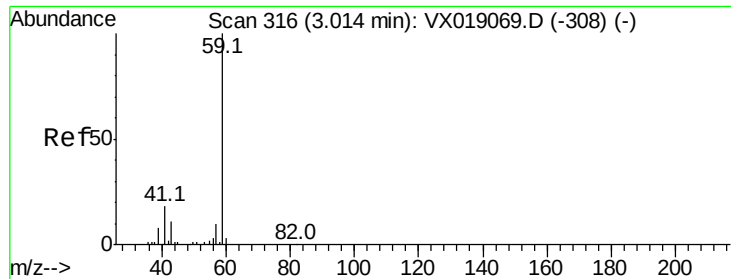
#22
 cis-1,2-Dichloroethene
 Concen: 2.514 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion: 96 Resp: 7465
 Ion Ratio Lower Upper
 96 100
 61 122.3 101.9 152.9
 98 64.2 51.3 76.9



Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

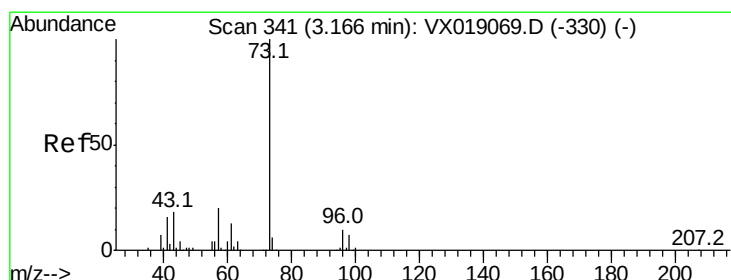
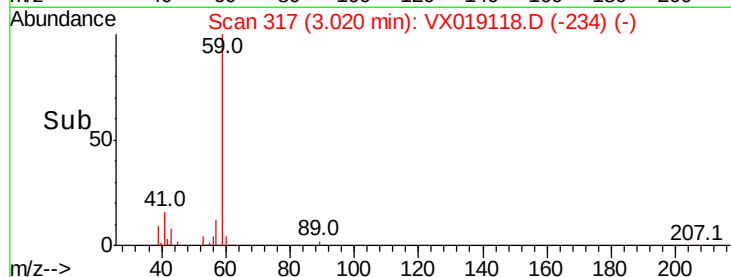
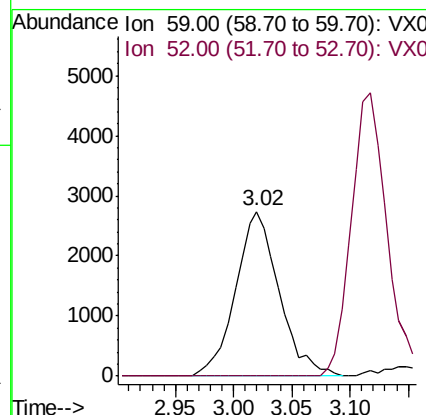
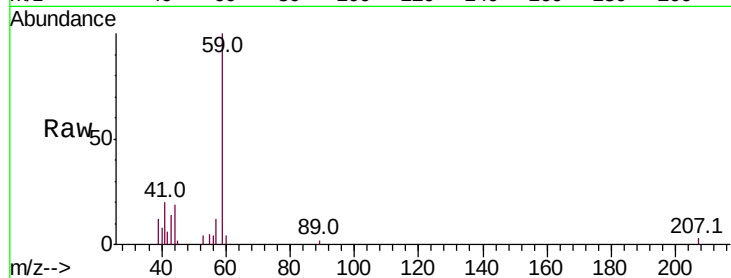




#23
 tert-Butyl Alcohol
 Concen: 14.402 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

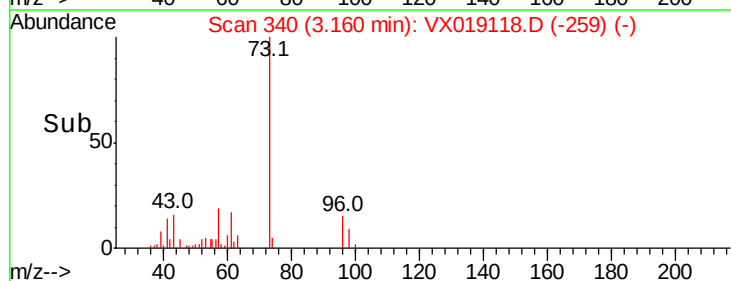
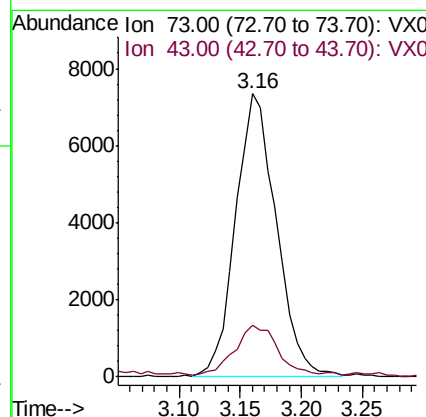
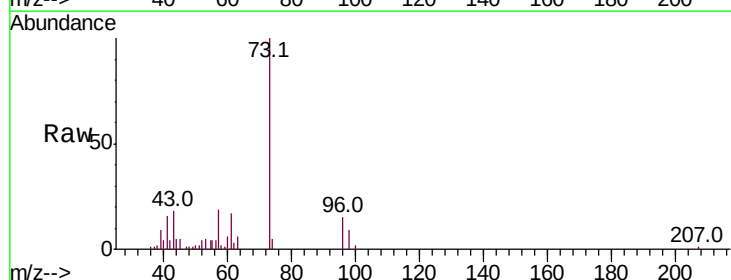
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

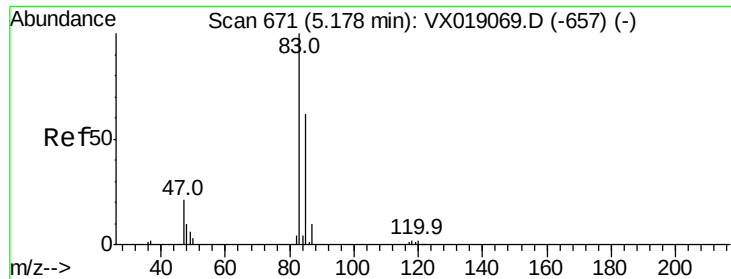
Tot Ion: 59 Resp: 7127
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.4#



#24
 Methyl tert-Butyl Ether
 Concen: 2.448 ug/l
 RT: 3.16 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion: 73 Resp: 16986
 Ion Ratio Lower Upper
 73 100
 43 18.8 13.9 20.9





#25

Chloroform

Concen: 2.459 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

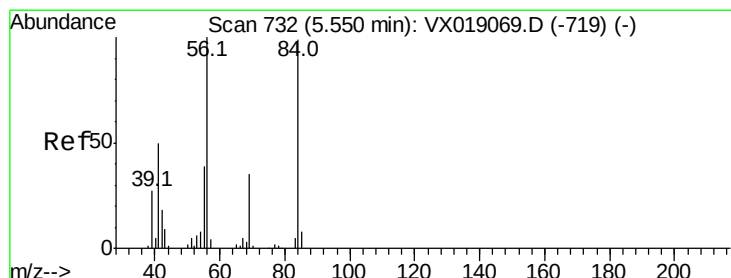
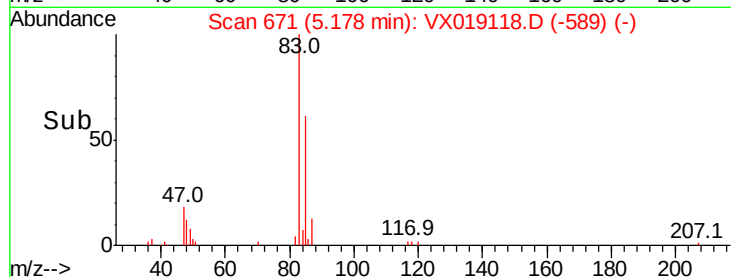
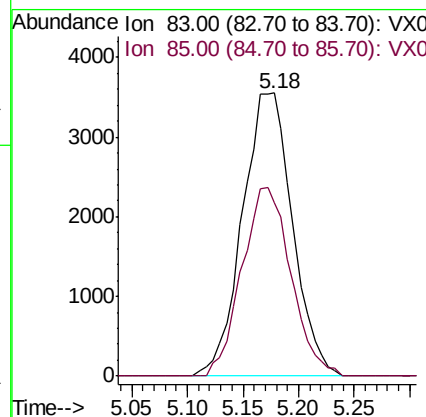
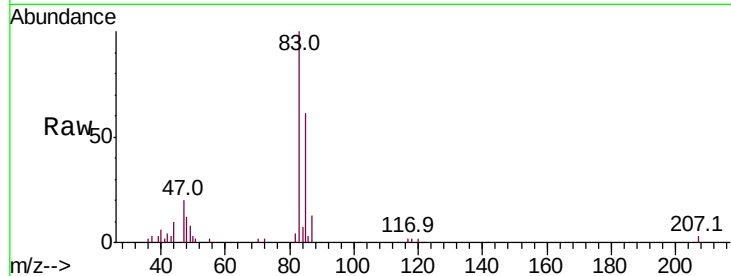
MDL-WATER-03-QT4-2020

Tot Ion: 83 Resp: 11109

Ion Ratio Lower Upper

83 100

85 61.1 49.8 74.8



#26

Cyclohexane

Concen: 1.261 ug/l

RT: 5.54 min Scan# 730

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

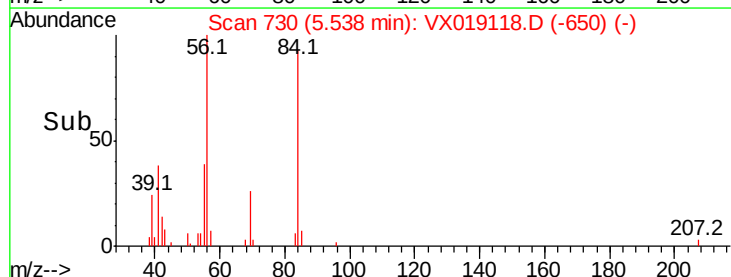
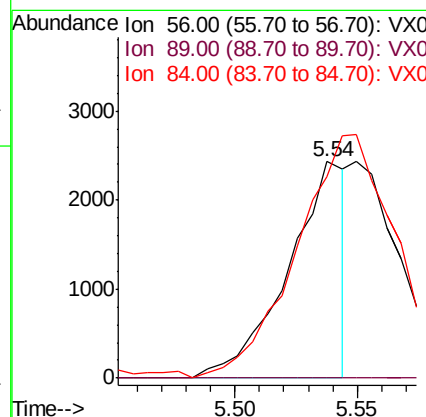
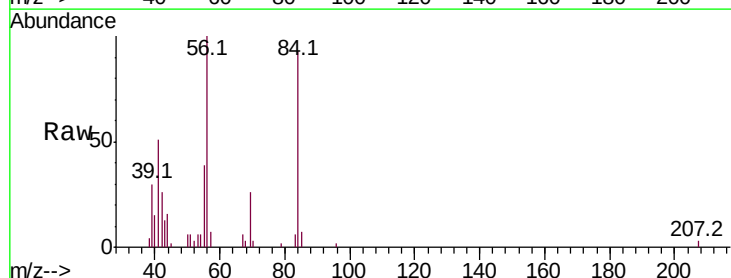
Tgt Ion: 56 Resp: 3996

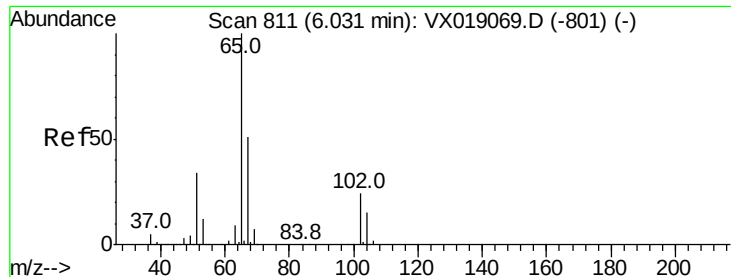
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 199.9 83.7 125.5#

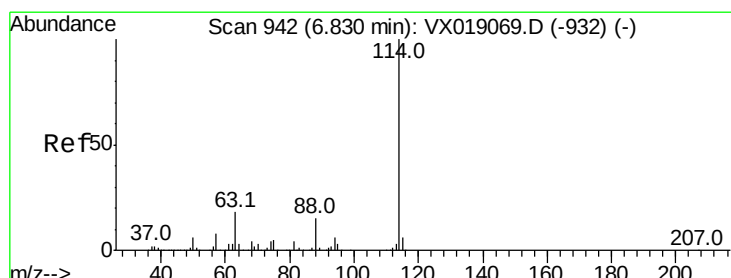
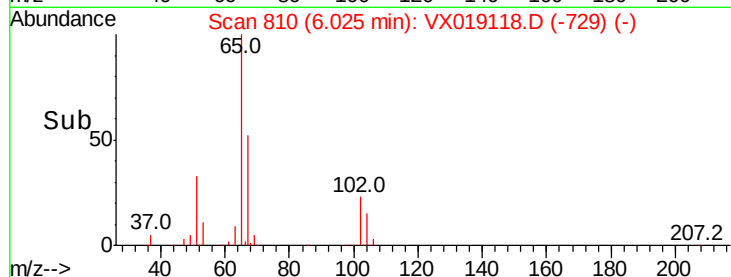
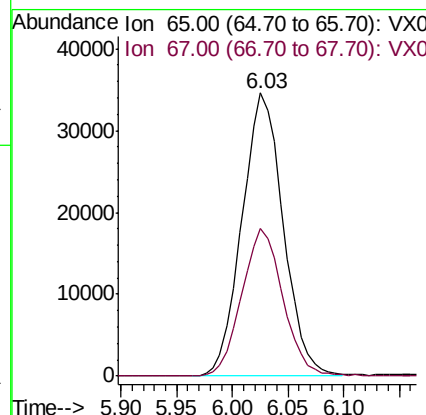
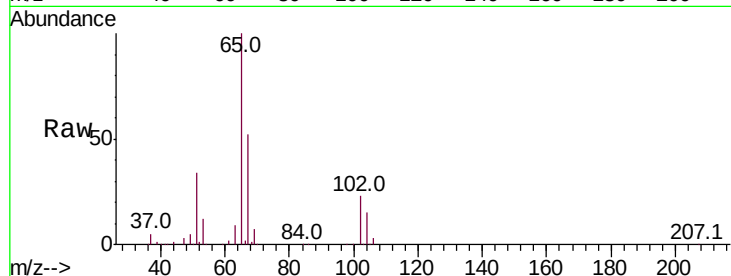




#27
 1,2-Dichloroethane-d4
 Concen: 30.780 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

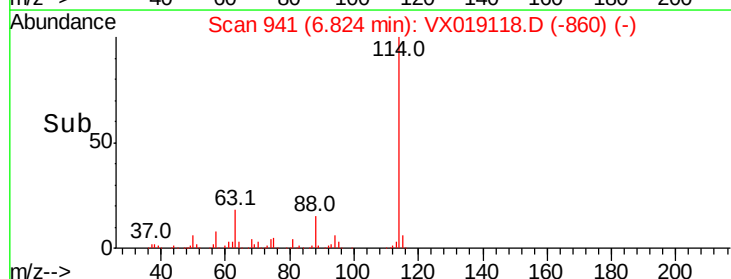
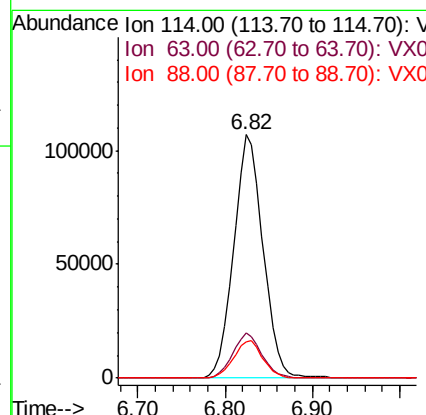
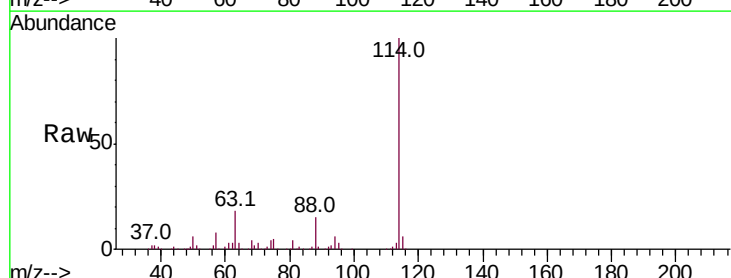
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

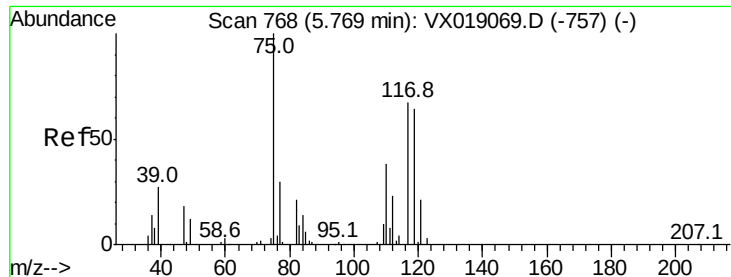
Tot Ion: 65 Resp: 89387
 Ion Ratio Lower Upper
 65 100
 67 51.9 42.0 63.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion: 114 Resp: 249044
 Ion Ratio Lower Upper
 114 100
 63 18.3 14.6 21.8
 88 15.5 12.2 18.2

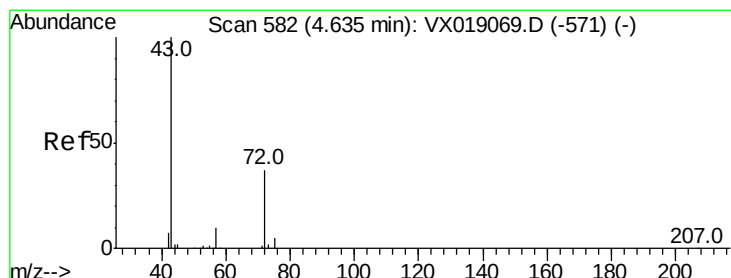
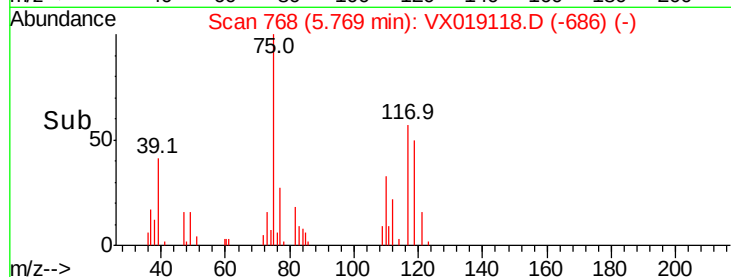
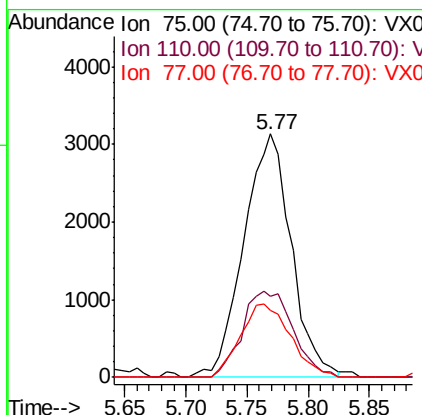
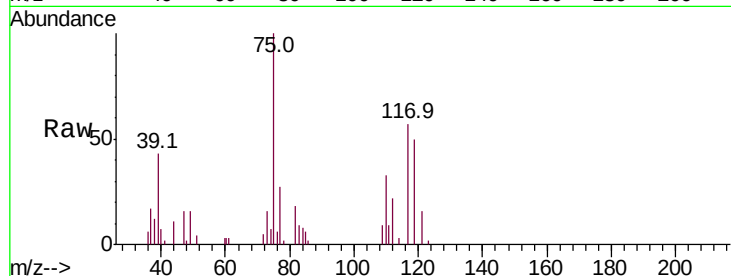




#29
 1,1-Dichloropropene
 Concen: 2.409 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

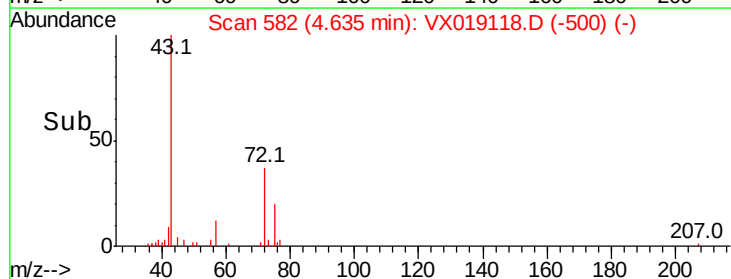
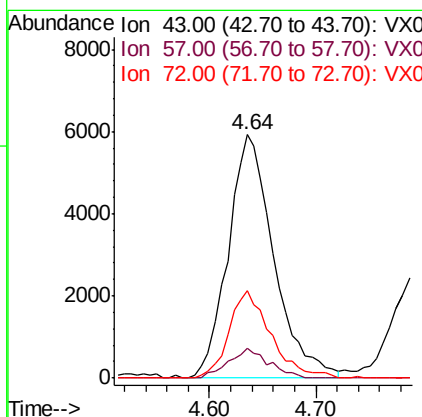
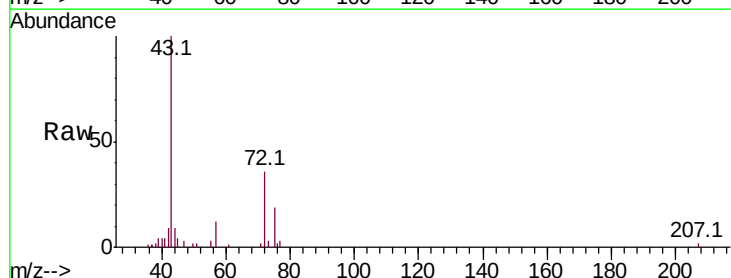
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

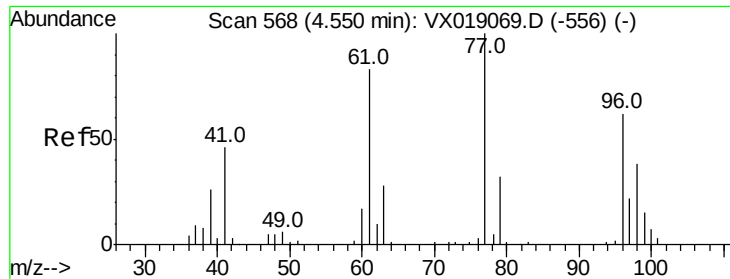
Tot Ion	Ratio	Lower	Upper
75	100		
110	37.9	0.0	77.4
77	31.7	0.0	62.8



#30
 2-Butanone
 Concen: 12.685 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	10.7	7.8	11.6
72	32.2	28.1	42.1

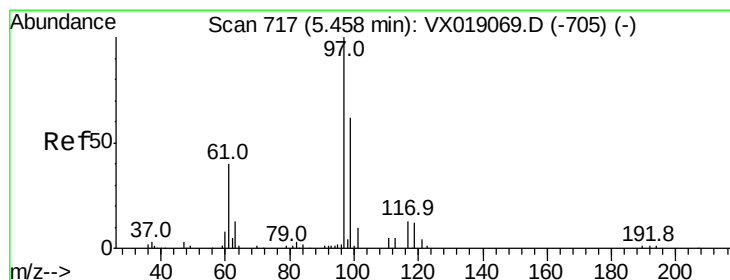
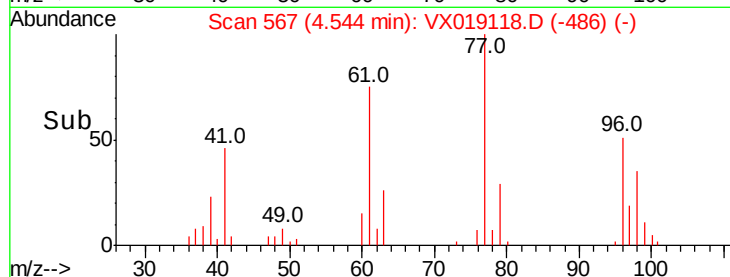
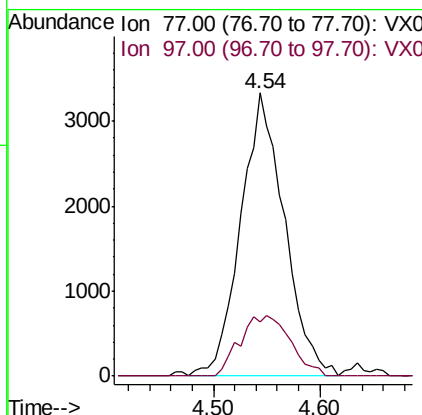
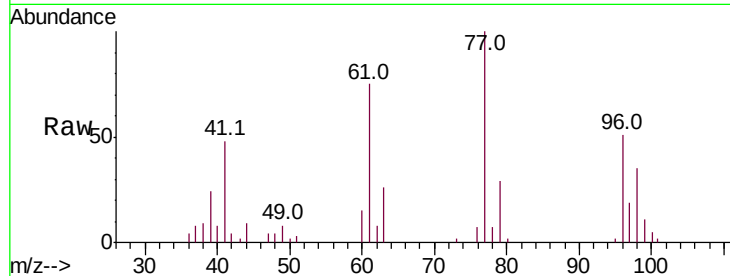




#31
 2,2-Dichloropropane
 Concen: 2.384 ug/l
 RT: 4.54 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

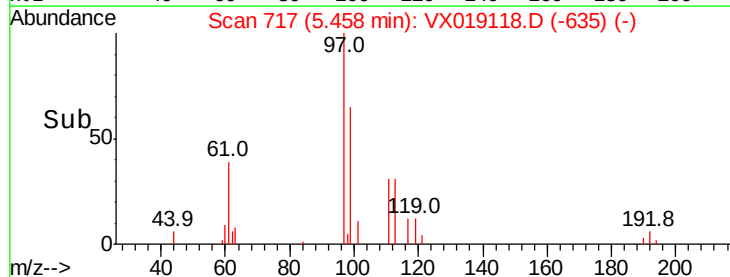
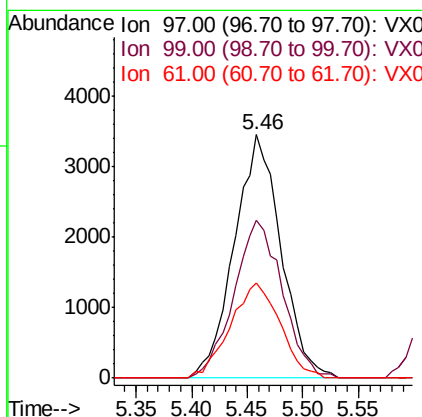
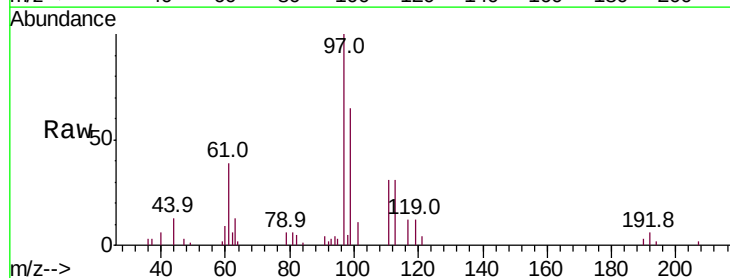
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

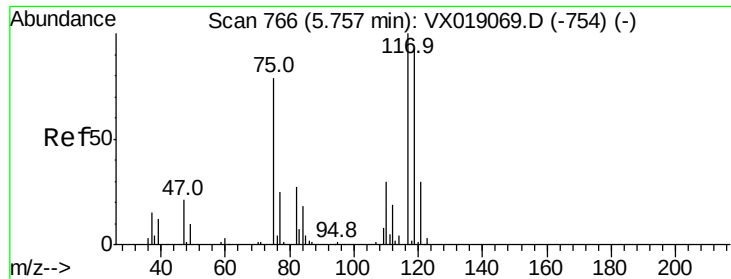
Tot Ion: 77 Resp: 9585
 Ion Ratio Lower Upper
 77 100
 97 24.6 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 2.380 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion: 97 Resp: 10051
 Ion Ratio Lower Upper
 97 100
 99 66.9 51.0 76.6
 61 41.8 32.0 48.0





#33

Carbon Tetrachloride

Concen: 1.295 ug/l

RT: 5.74 min Scan# 763

Delta R.T. -0.02 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

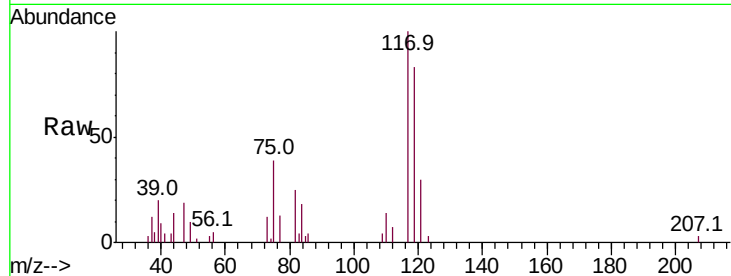
Tot Ion:117 Resp: 4744

Ion Ratio Lower Upper

117 100

119 83.1 74.5 111.7

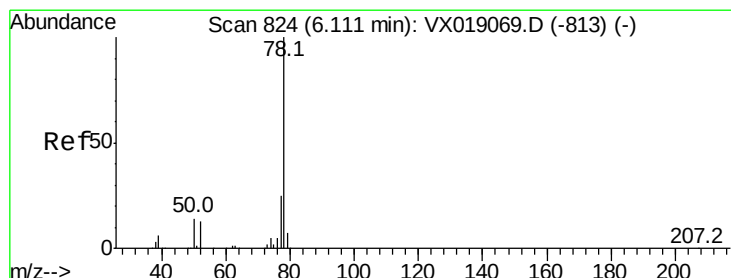
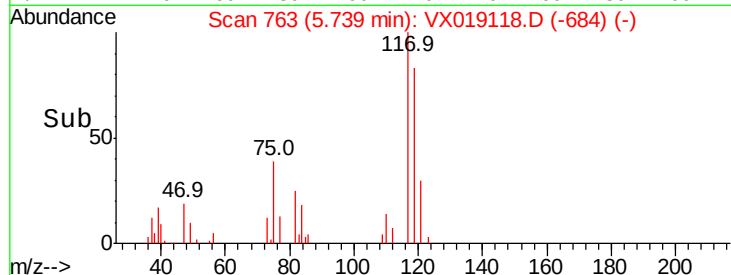
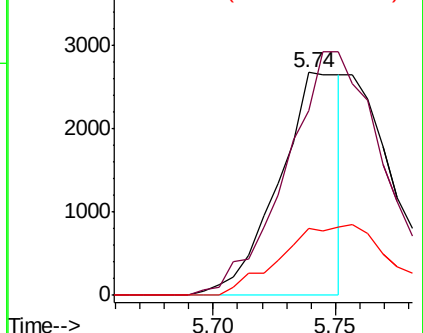
121 30.2 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 2.375 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

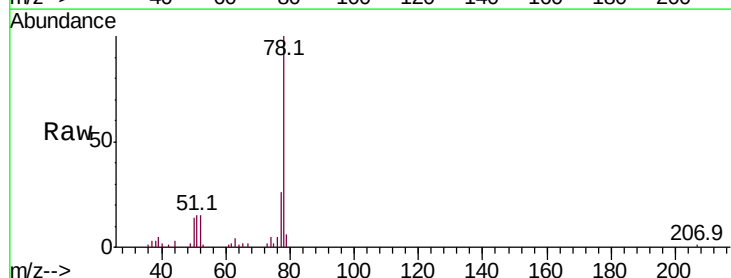
Tgt Ion: 78 Resp: 24548

Ion Ratio Lower Upper

78 100

77 25.6 20.1 30.1

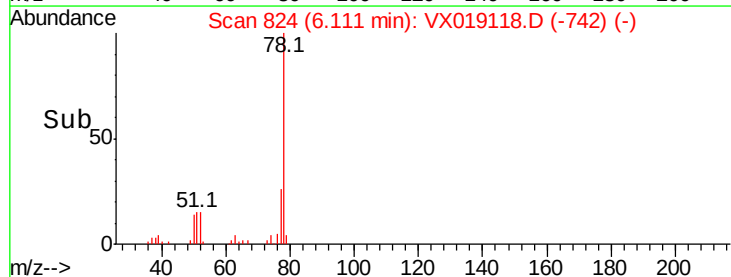
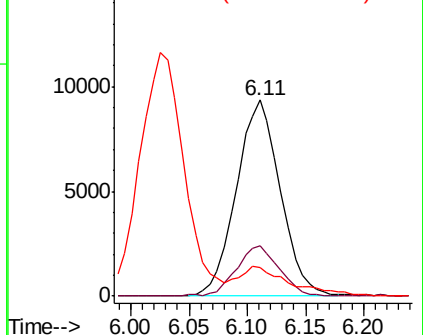
51 12.5 11.0 16.4

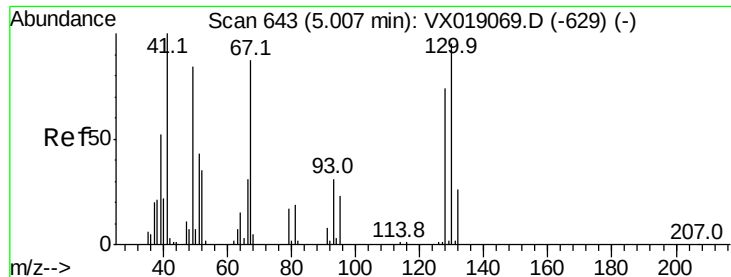


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

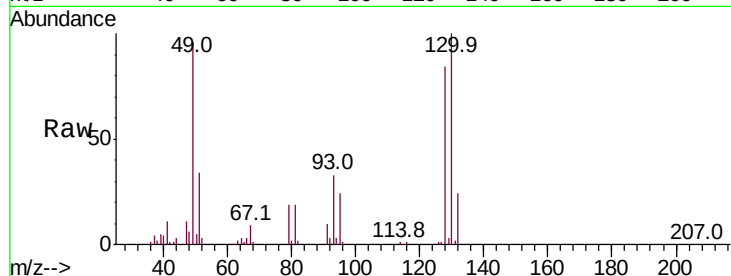




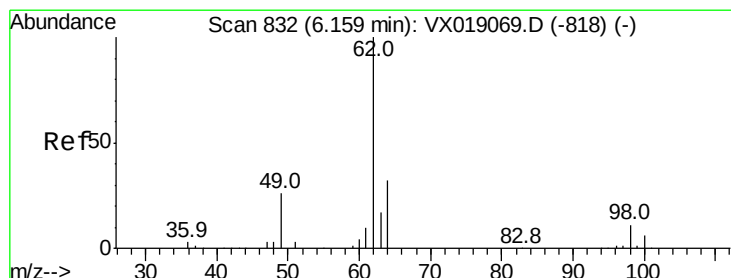
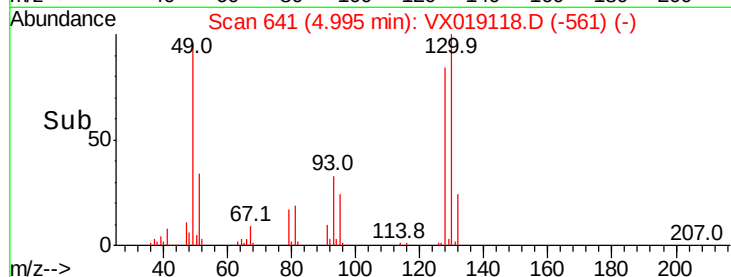
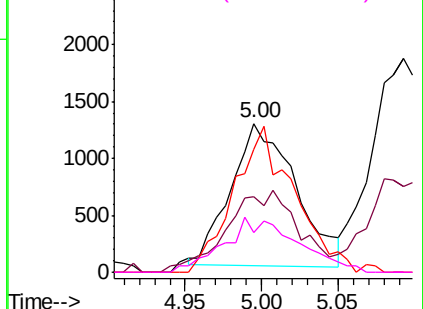
#35
Methacrylonitrile
Concen: 2.439 ug/l
RT: 5.00 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 41 Resp: 3695
Ion Ratio Lower Upper
41 100
39 47.3 25.8 77.4
67 91.1 43.6 130.8
52 24.9 17.3 51.7

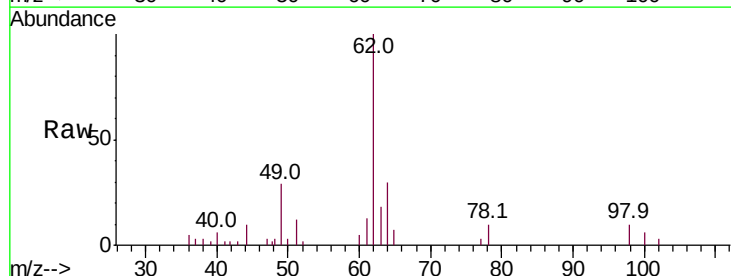


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

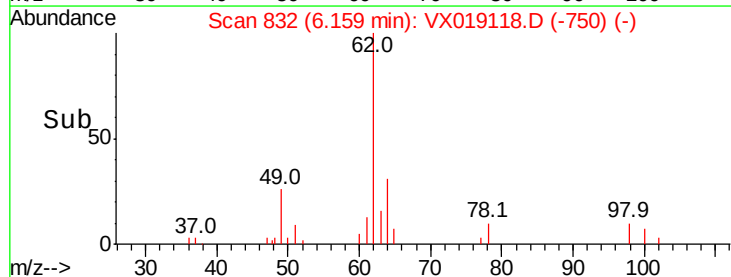
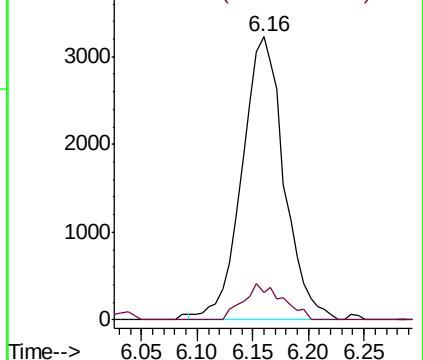


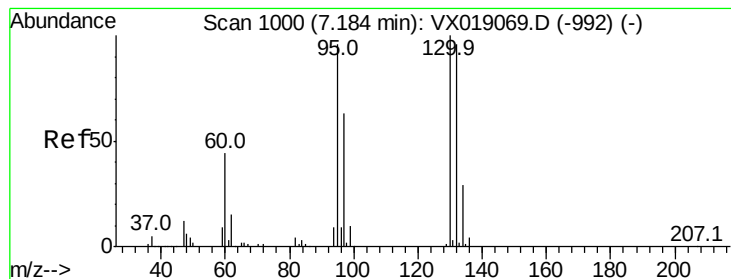
#36
1,2-Dichloroethane
Concen: 2.398 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion: 62 Resp: 8504
Ion Ratio Lower Upper
62 100
98 11.8 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 2.408 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

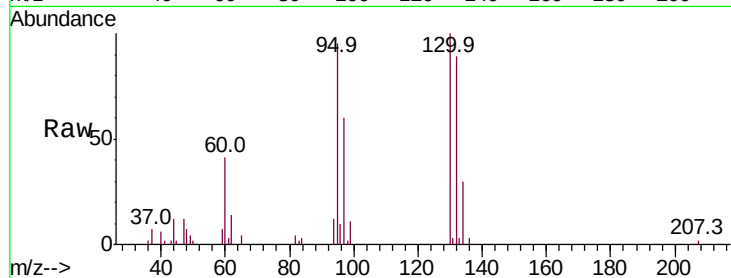
MDL-WATER-03-QT4-2020

Tot Ion:130 Resp: 7156

Ion Ratio Lower Upper

130 100

95 94.8 76.8 115.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

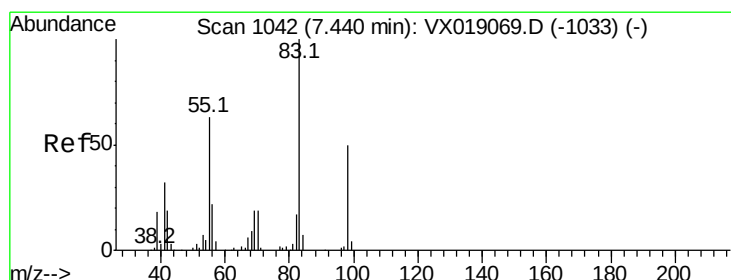
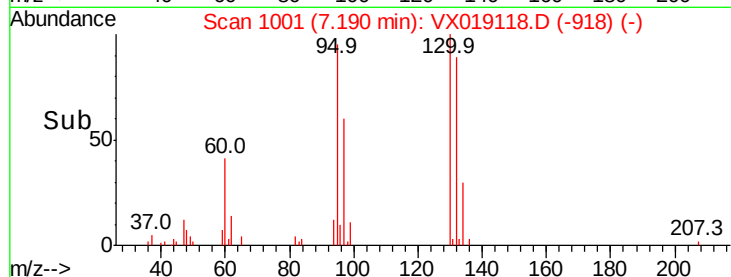
3000

2000

1000

0

Time-->



#38

Methylcyclohexane

Concen: 2.380 ug/l

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

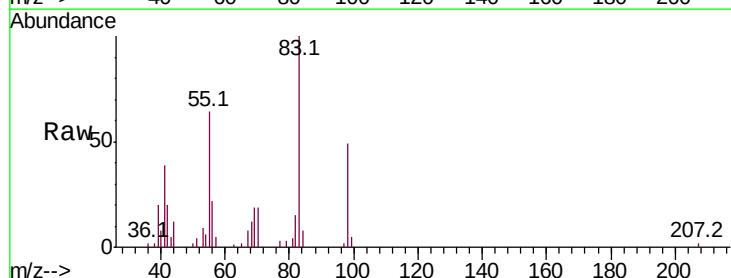
Tgt Ion: 83 Resp: 9374

Ion Ratio Lower Upper

83 100

55 66.6 32.3 96.8

98 46.9 25.7 77.1



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

7.43

5000

4000

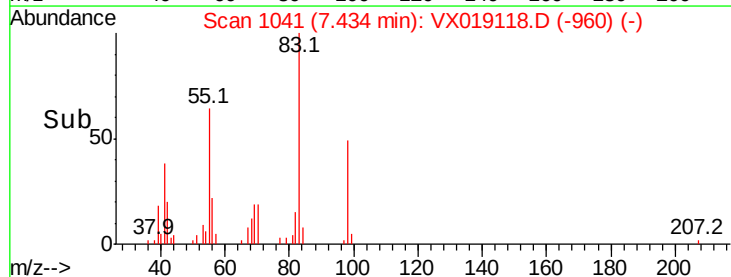
3000

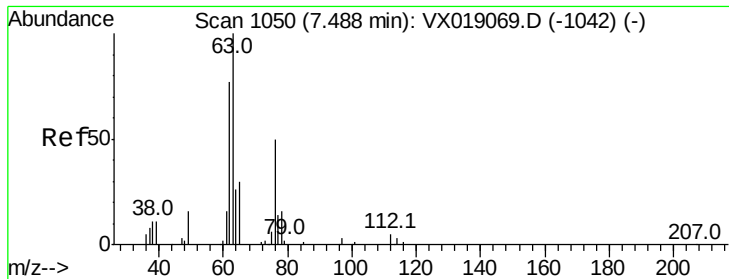
2000

1000

0

Time-->





#39

1,2-Dichloropropane

Concen: 2.492 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

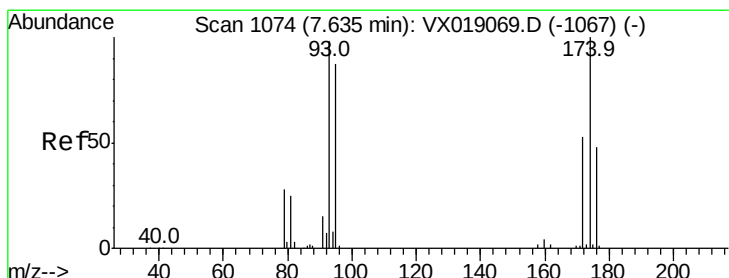
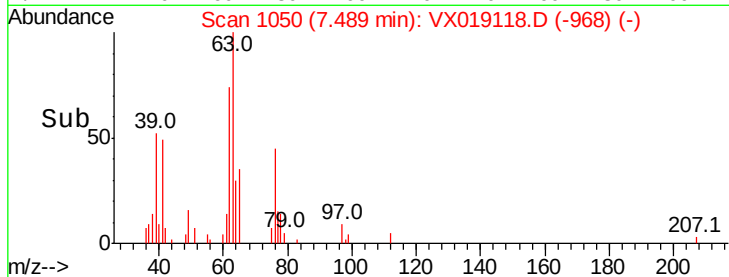
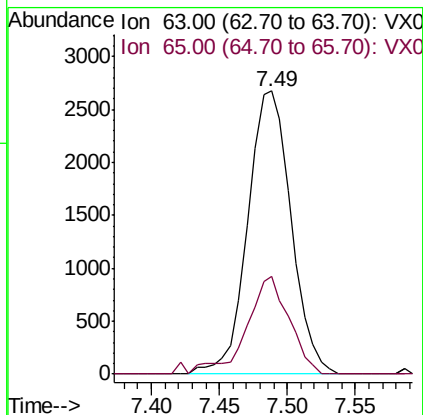
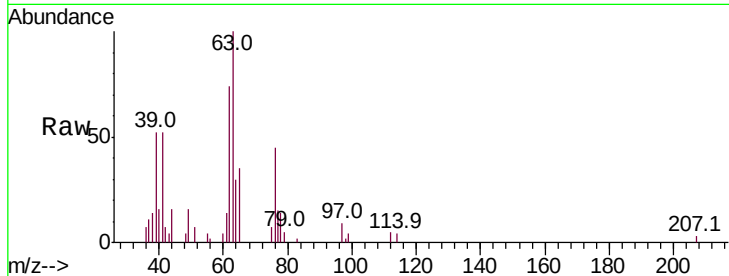
MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 5979

Ion Ratio Lower Upper

63 100

65 34.6 25.8 38.8



#40

Dibromomethane

Concen: 2.373 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

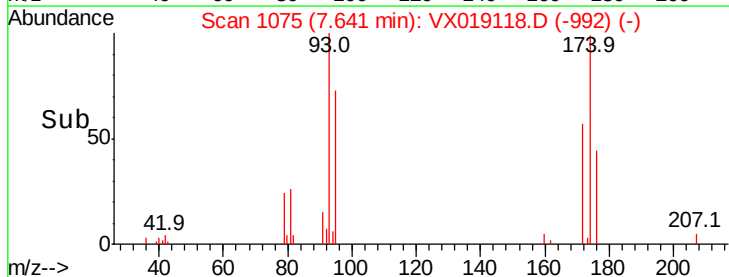
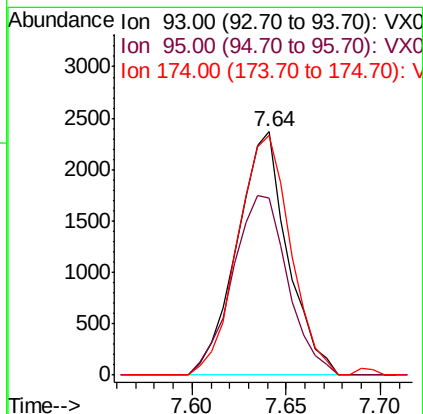
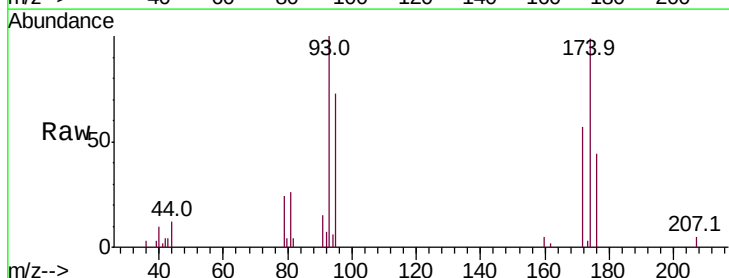
Tgt Ion: 93 Resp: 4419

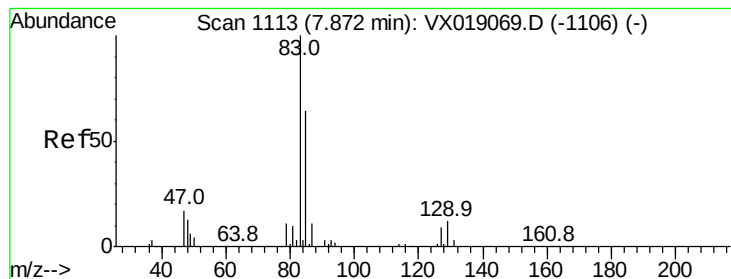
Ion Ratio Lower Upper

93 100

95 80.2 0.0 169.0

174 102.6 0.0 205.4





#41

Bromodichloromethane

Concen: 2.294 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

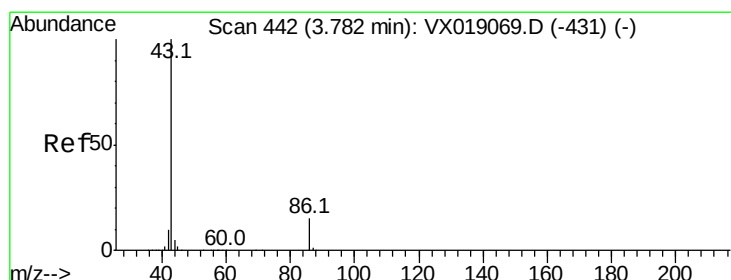
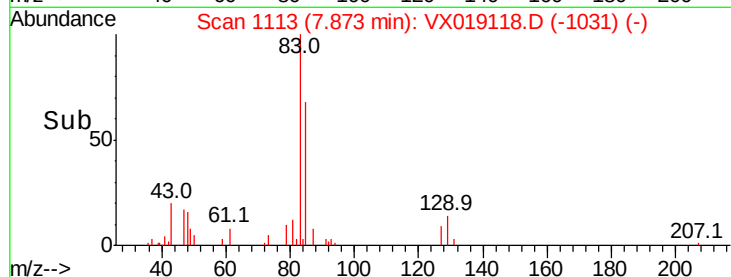
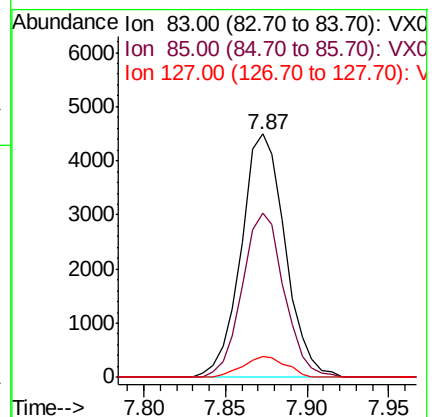
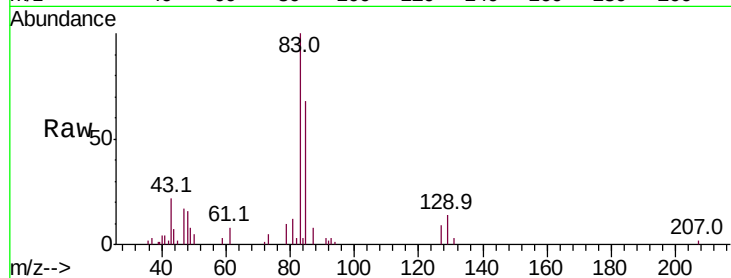
Tot Ion: 83 Resp: 8446

Ion Ratio Lower Upper

83 100

85 67.6 51.2 76.8

127 8.8 7.1 10.7



#42

Vinyl Acetate

Concen: 11.469 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX019118.D

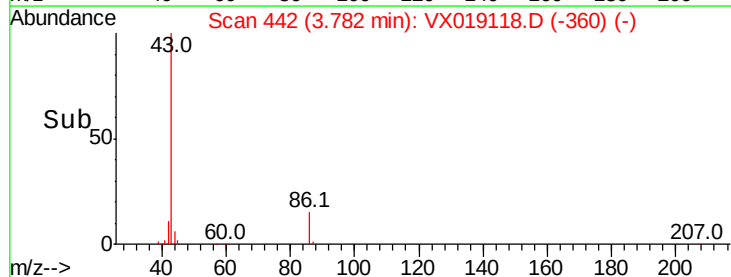
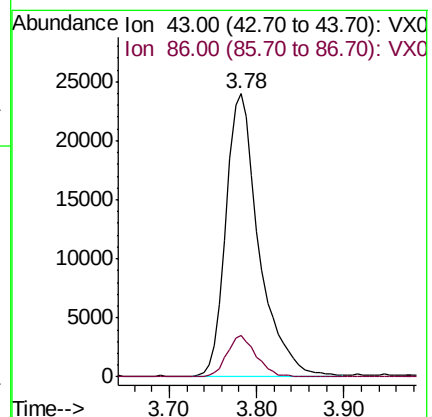
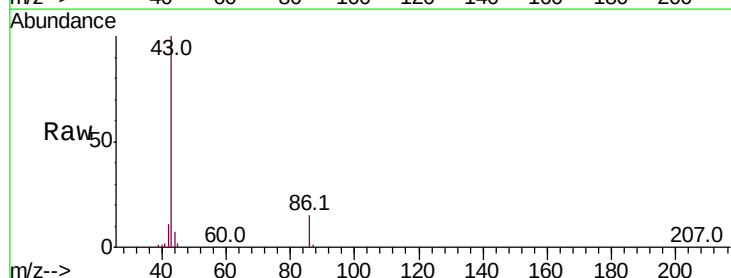
Acq: 26 Oct 2020 13:20

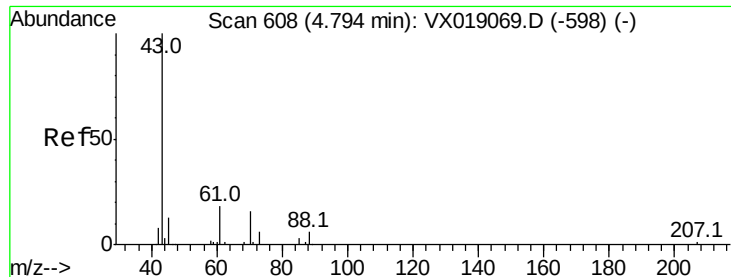
Tgt Ion: 43 Resp: 62459

Ion Ratio Lower Upper

43 100

86 13.1 10.6 15.8





#43

Ethyl Acetate

Concen: 2.148 ug/l

RT: 4.79 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

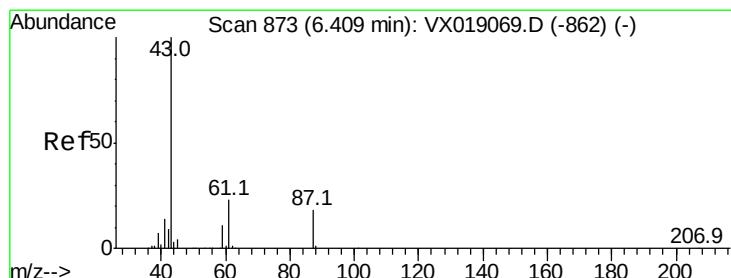
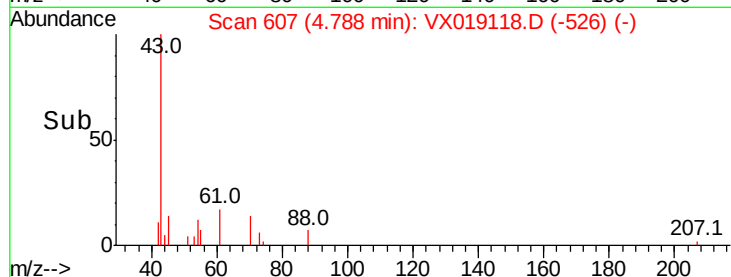
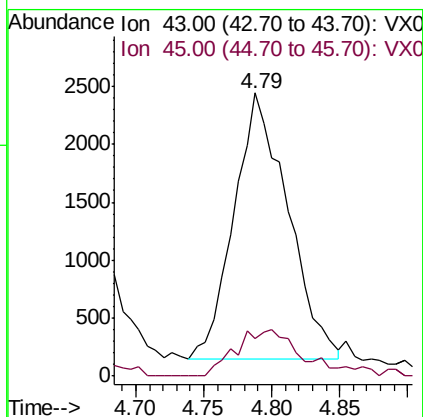
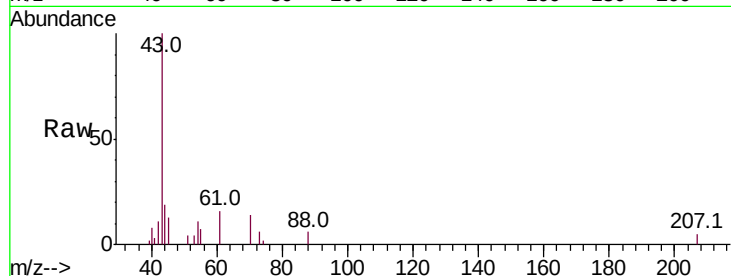
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 6306

Ion Ratio Lower Upper

43 100

45 7.9 12.7 19.1#



#44

Isopropyl Acetate

Concen: 2.413 ug/l

RT: 6.40 min Scan# 872

Delta R.T. -0.01 min

Lab File: VX019118.D

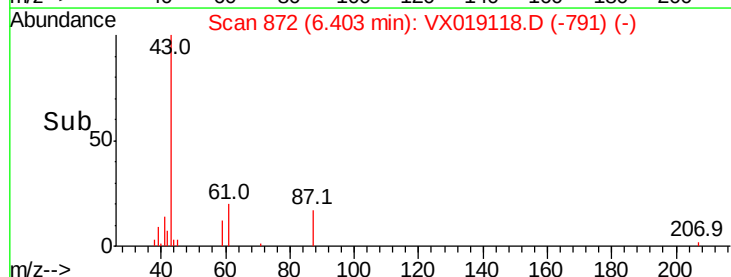
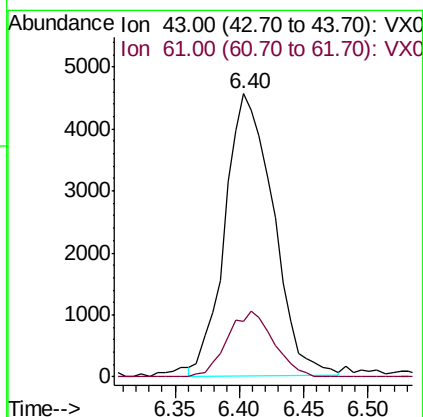
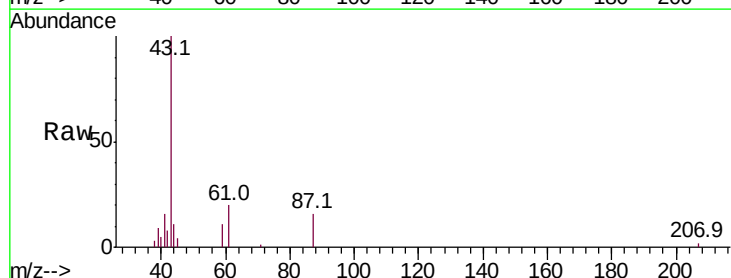
Acq: 26 Oct 2020 13:20

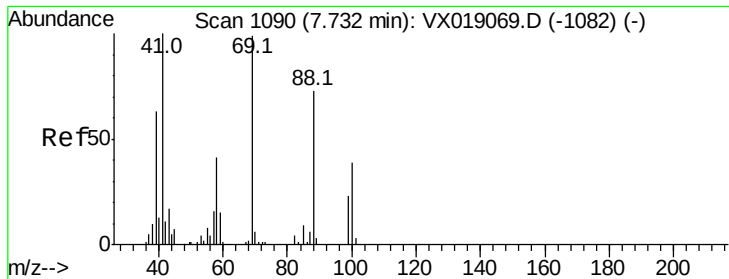
Tgt Ion: 43 Resp: 11865

Ion Ratio Lower Upper

43 100

61 22.2 19.1 28.7





#45

1,4-Dioxane

Concen: 48.452 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

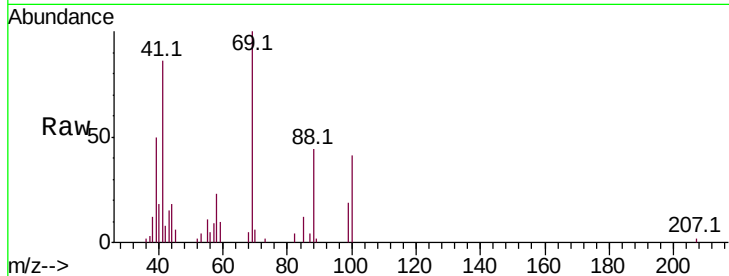
Tot Ion: 88 Resp: 2504

Ion Ratio Lower Upper

88 100

43 29.2 20.5 30.7

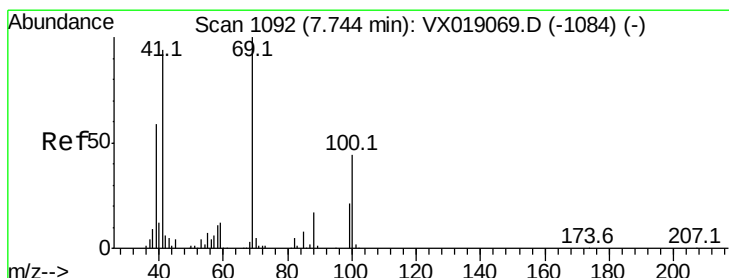
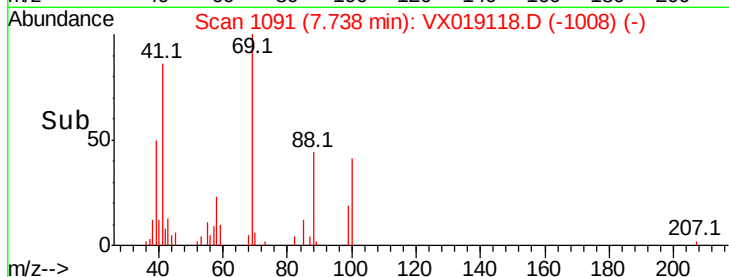
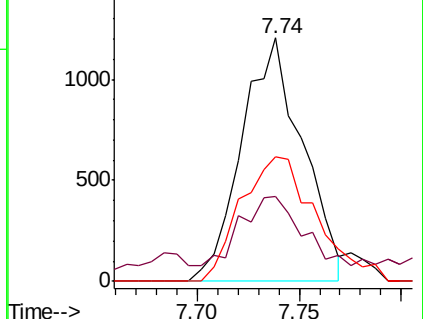
58 63.1 47.4 71.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 2.313 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

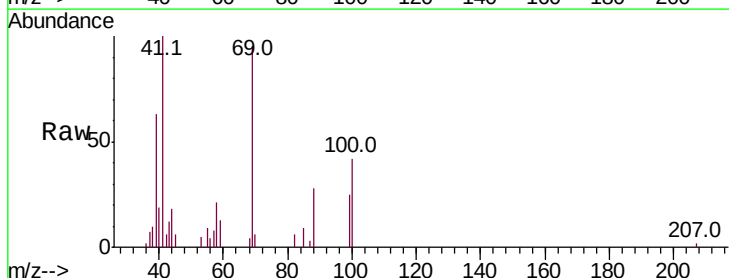
Tgt Ion: 41 Resp: 5383

Ion Ratio Lower Upper

41 100

69 94.9 53.1 159.4

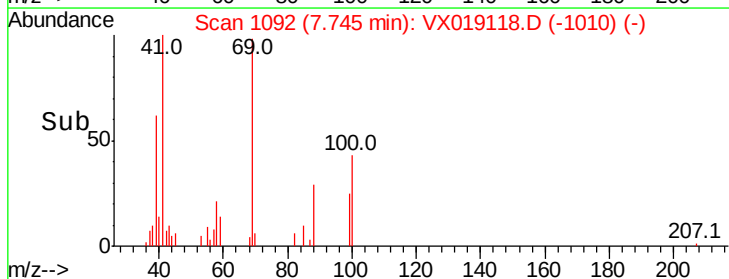
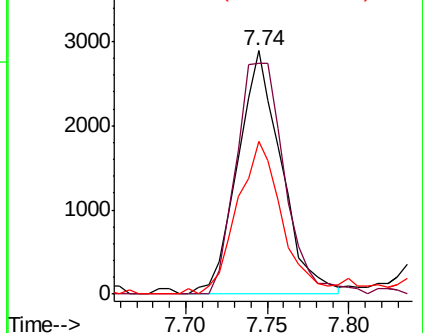
39 60.7 31.3 93.9

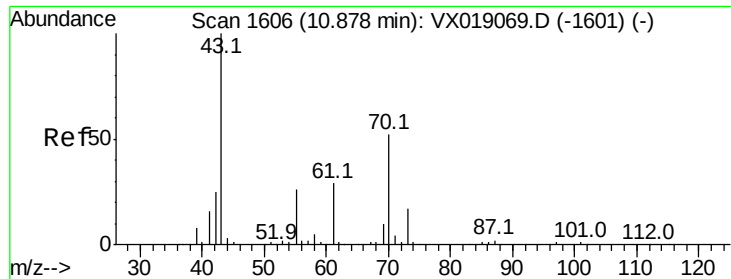


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 2.139 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

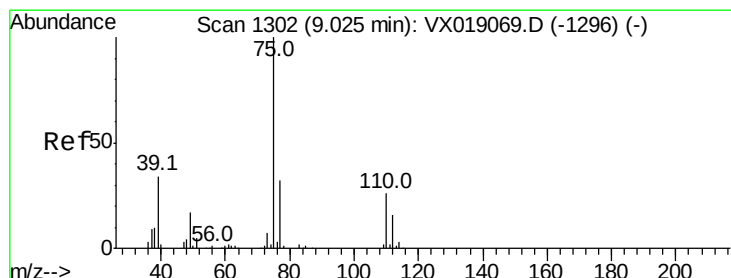
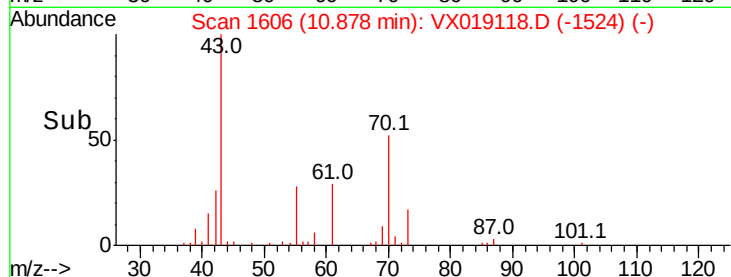
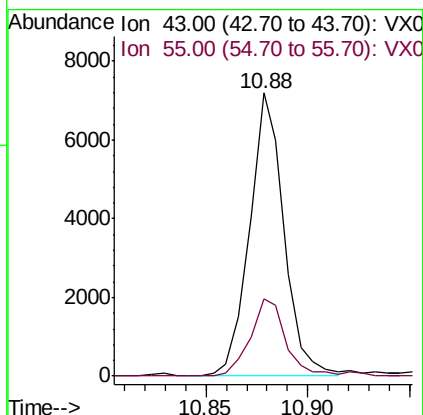
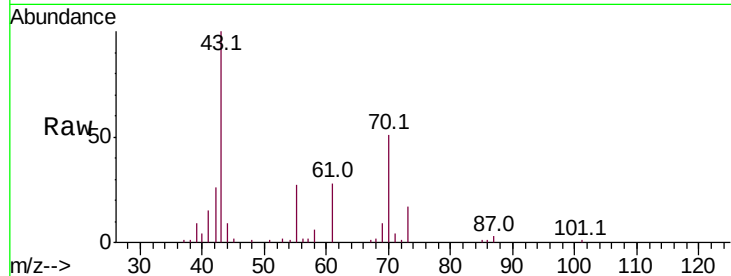
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 8436

Ion Ratio Lower Upper

43 100

55 28.2 21.5 32.3



#48

t-1,3-Dichloropropene

Concen: 2.175 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX019118.D

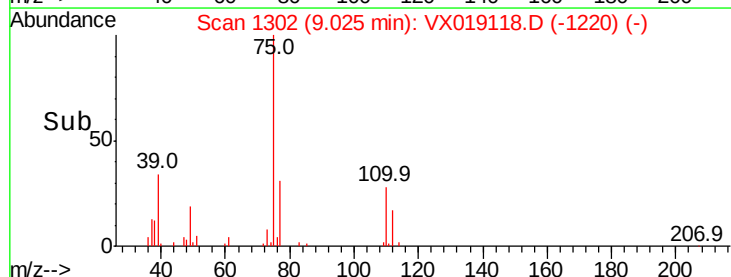
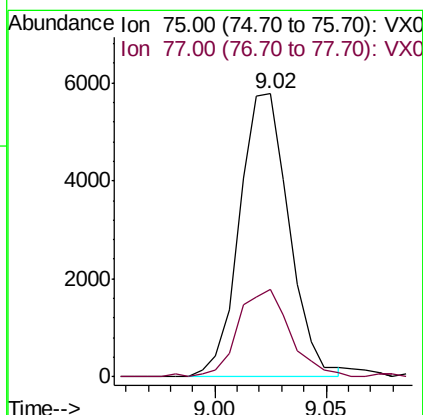
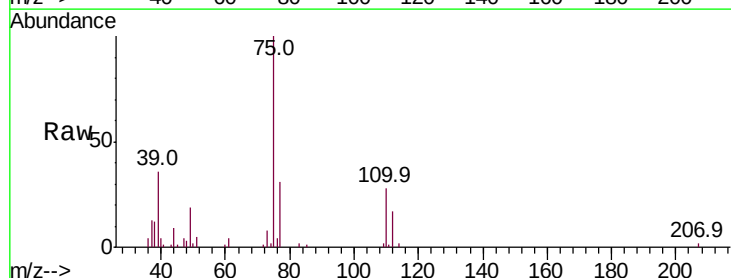
Acq: 26 Oct 2020 13:20

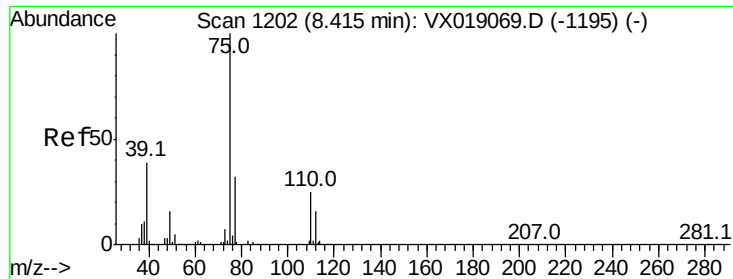
Tgt Ion: 75 Resp: 8964

Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9



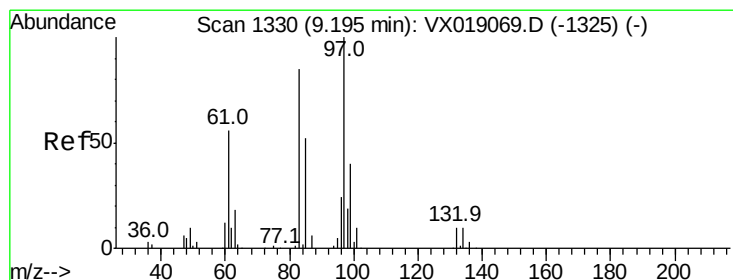
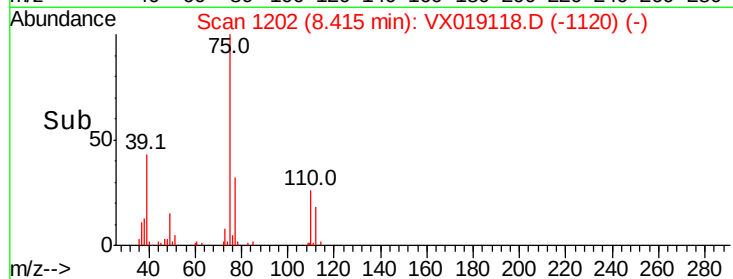
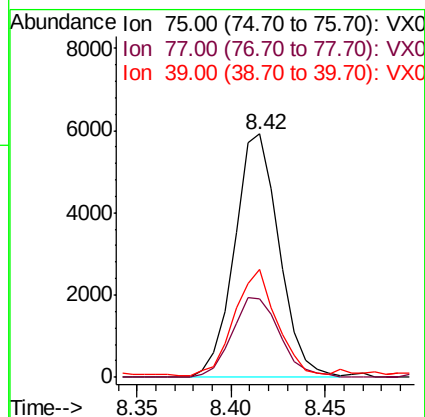
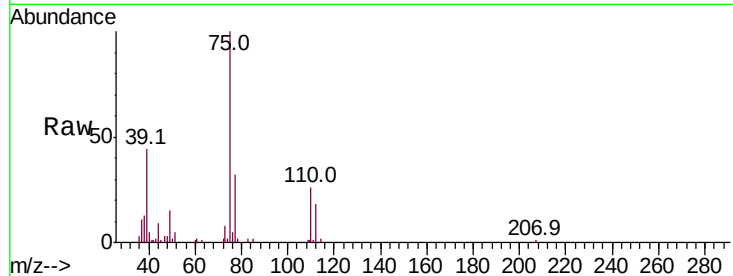


#49

cis-1,3-Dichloropropene
 Concen: 2.219 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

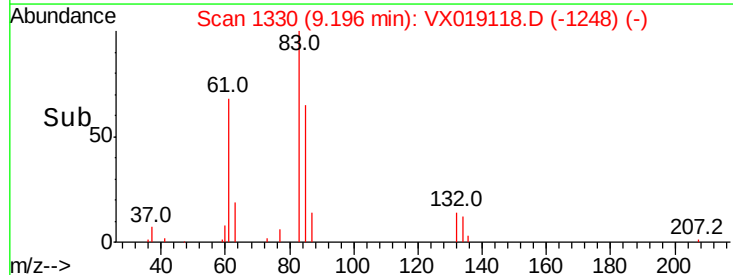
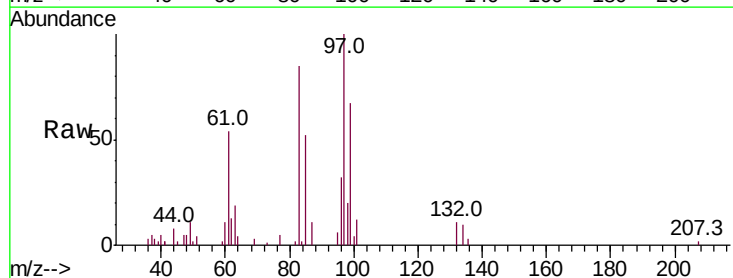
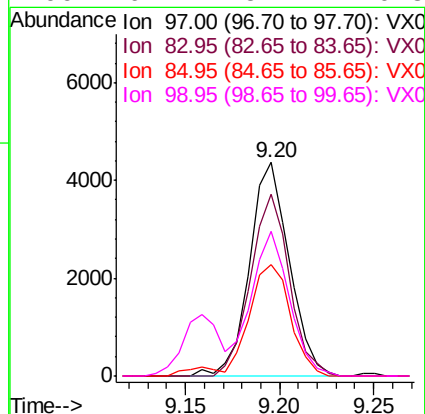
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.8
39	43.2	31.0	46.6

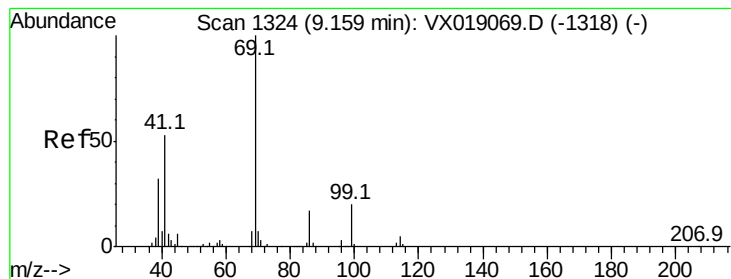


#50

1,1,2-Trichloroethane
 Concen: 2.371 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.8	101.6
85	52.2	43.5	65.3
99	67.4	51.2	76.8





#51

Ethyl methacrylate

Concen: 2.090 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

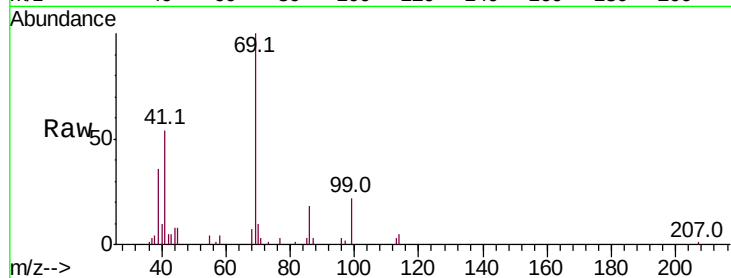
Tot Ion: 69 Resp: 8225

Ion	Ratio	Lower	Upper
69	100		
41	52.0	26.5	79.4
39	34.6	16.2	48.6

69 100

41 52.0 26.5 79.4

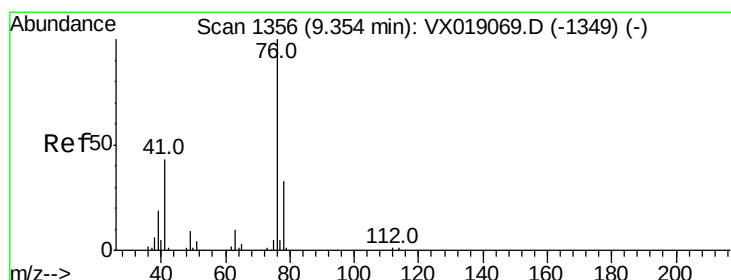
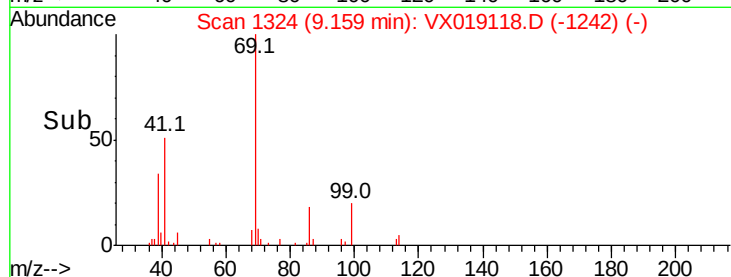
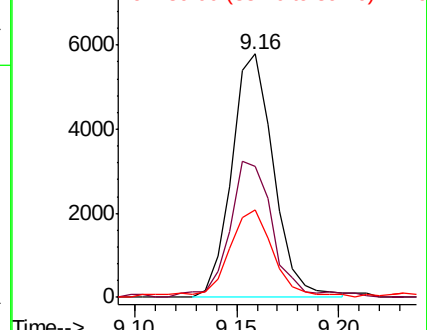
39 34.6 16.2 48.6



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 2.436 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VX019118.D

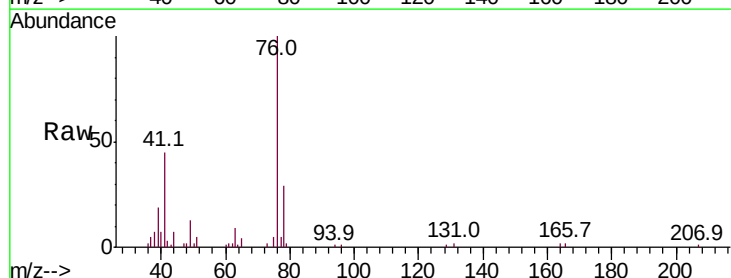
Acq: 26 Oct 2020 13:20

Tgt Ion: 76 Resp: 10704

Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.2

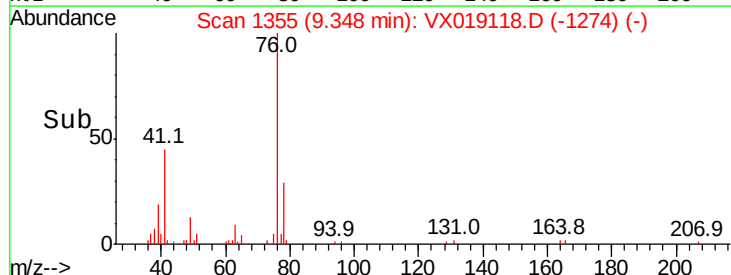
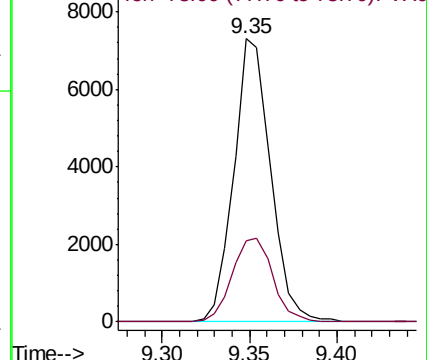
76 100

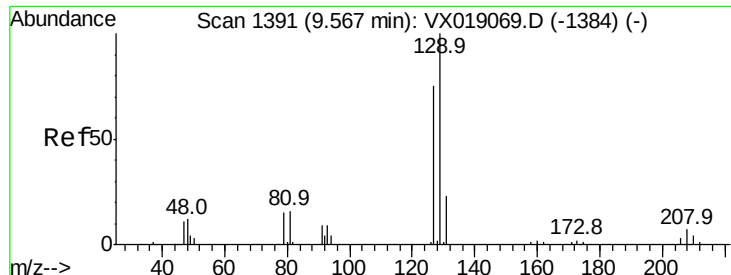
78 32.5 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 2.202 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

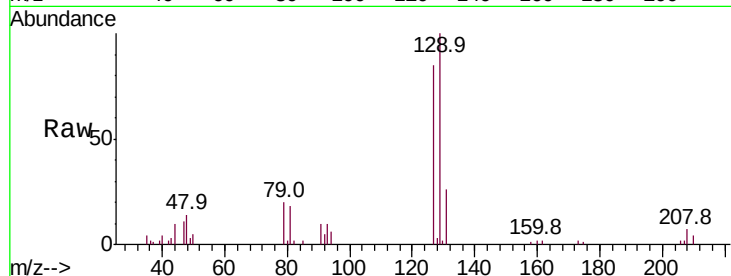
MDL-WATER-03-QT4-2020

Tot Ion:129 Resp: 6613

Ion Ratio Lower Upper

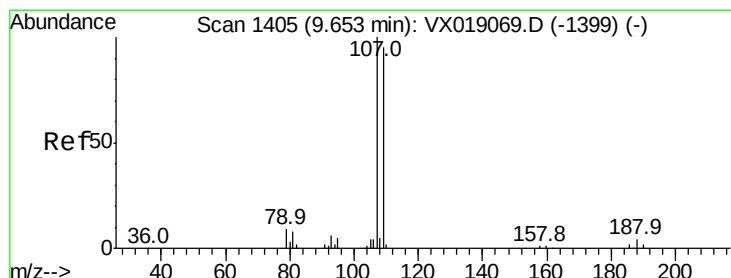
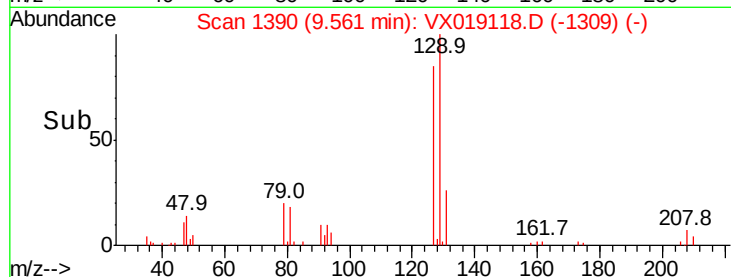
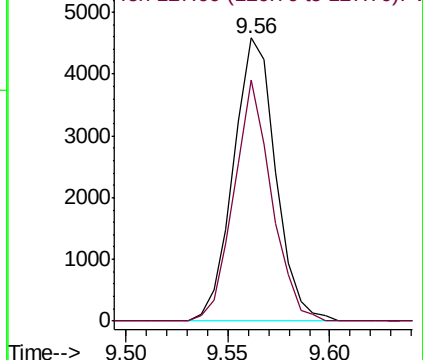
129 100

127 75.3 38.4 115.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.315 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019118.D

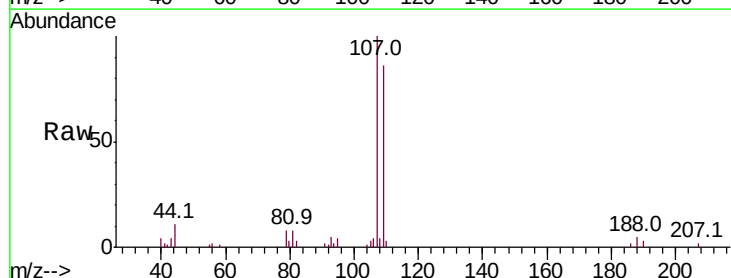
Acq: 26 Oct 2020 13:20

Tgt Ion:107 Resp: 6786

Ion Ratio Lower Upper

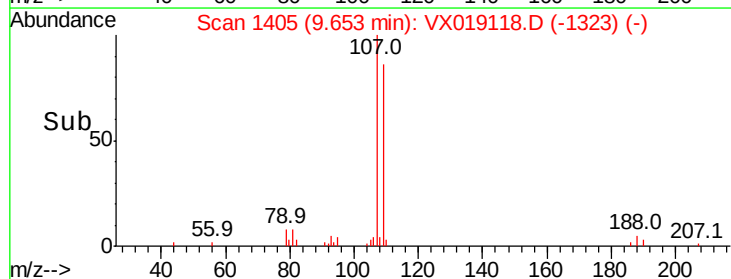
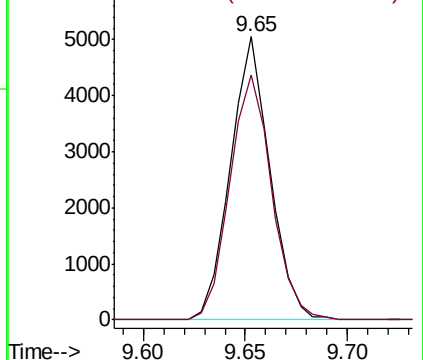
107 100

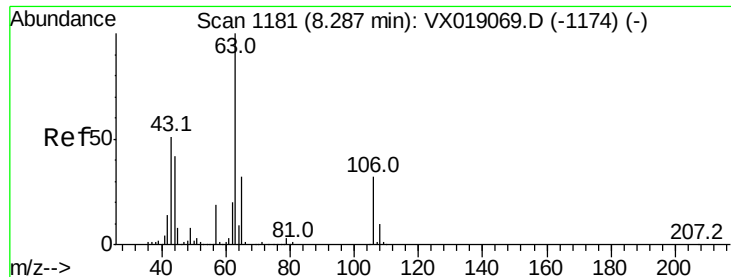
109 91.4 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 10.726 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

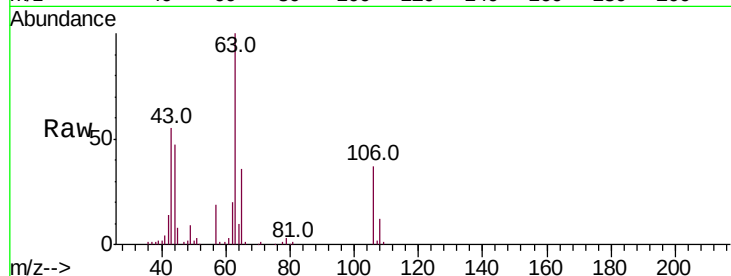
Tot Ion: 63 Resp: 22561

Ion Ratio Lower Upper

63 100

65 33.8 26.0 39.0

106 34.1 25.9 38.9

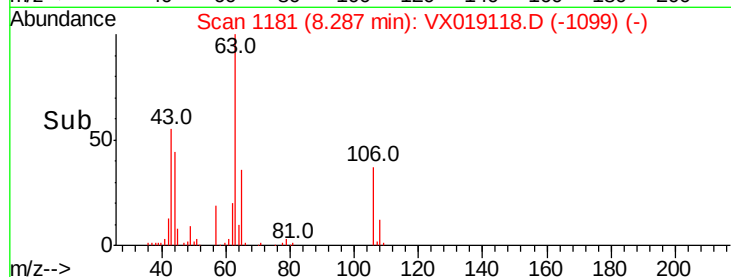


Abundance Ion 63.00 (62.70 to 63.70): VX019069.D (-1174) (-)

Ion 65.00 (64.70 to 65.70): VX019069.D (-1174) (-)

Ion 106.00 (105.70 to 106.70): VX019069.D (-1174) (-)

Time-->

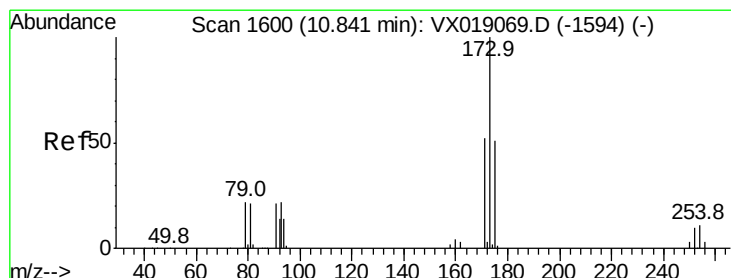


Abundance Ion 63.00 (62.70 to 63.70): VX019118.D (-1099) (-)

Ion 65.00 (64.70 to 65.70): VX019118.D (-1099) (-)

Ion 106.00 (105.70 to 106.70): VX019118.D (-1099) (-)

Time-->



#56

Bromoform

Concen: 2.063 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

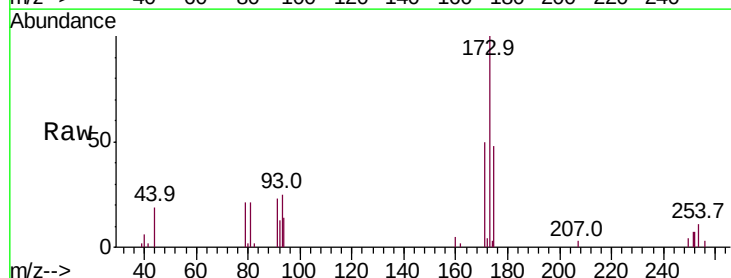
Tgt Ion: 173 Resp: 4330

Ion Ratio Lower Upper

173 100

175 49.2 39.6 59.4

254 10.6 8.6 13.0

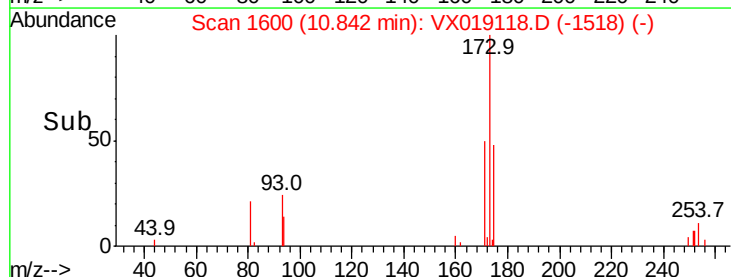


Abundance Ion 173.00 (172.70 to 173.70): VX019069.D (-1594) (-)

Ion 175.00 (174.70 to 175.70): VX019069.D (-1594) (-)

Ion 254.00 (253.70 to 254.70): VX019069.D (-1594) (-)

Time-->

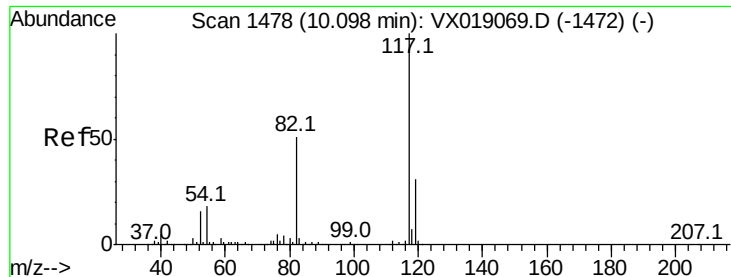


Abundance Ion 173.00 (172.70 to 173.70): VX019118.D (-1518) (-)

Ion 175.00 (174.70 to 175.70): VX019118.D (-1518) (-)

Ion 254.00 (253.70 to 254.70): VX019118.D (-1518) (-)

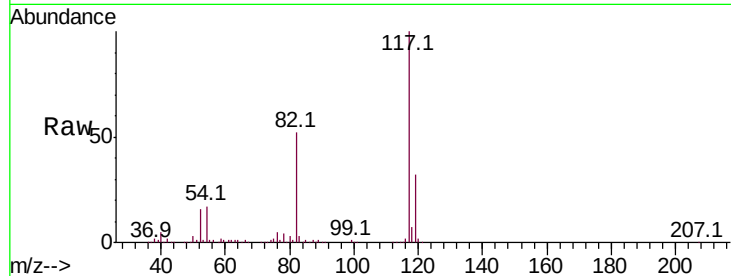
Time-->



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.5	63.7
119	31.9	25.6	38.4

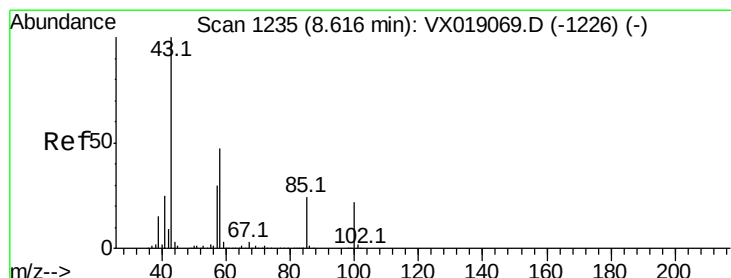
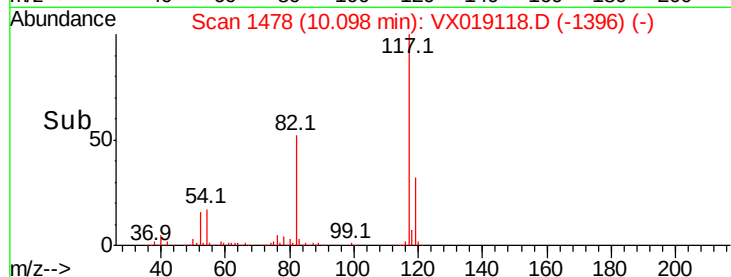
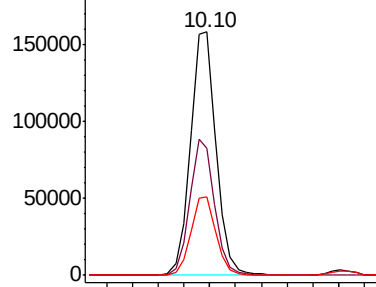


Abundance

Ion 117.00 (116.70 to 117.70): V

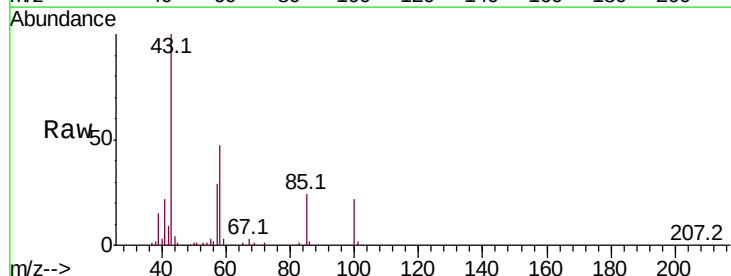
Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 12.085 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.4	37.6	56.4
85	24.4	19.4	29.2

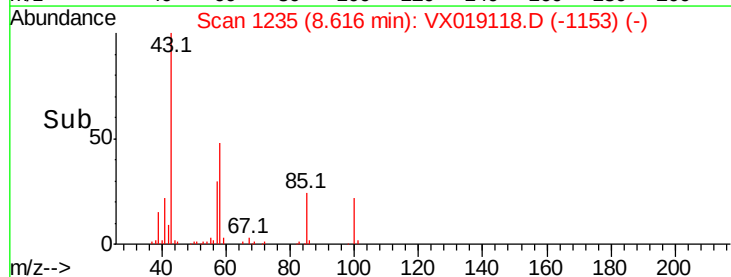
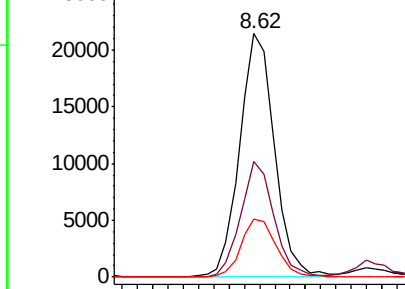


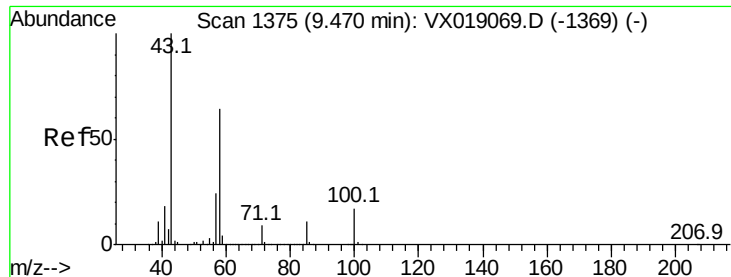
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

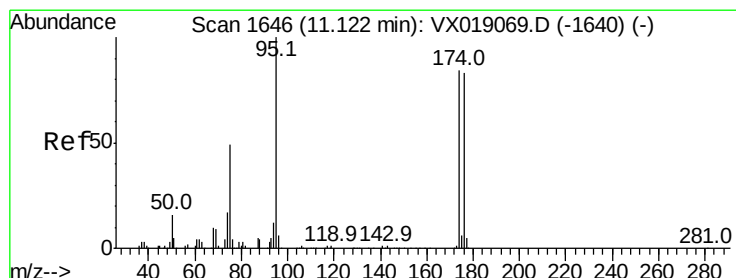
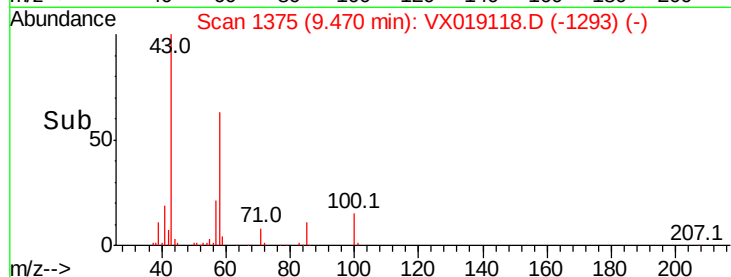
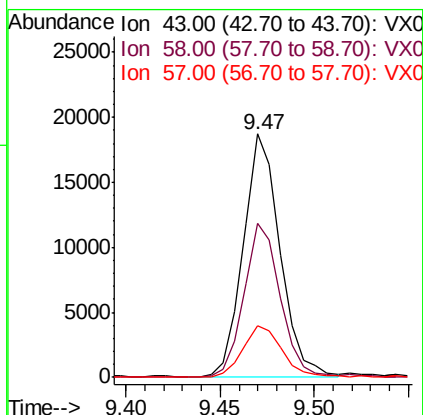
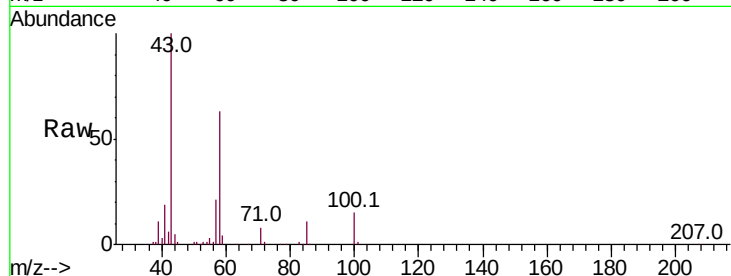




#59
2-Hexanone
Concen: 12.096 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

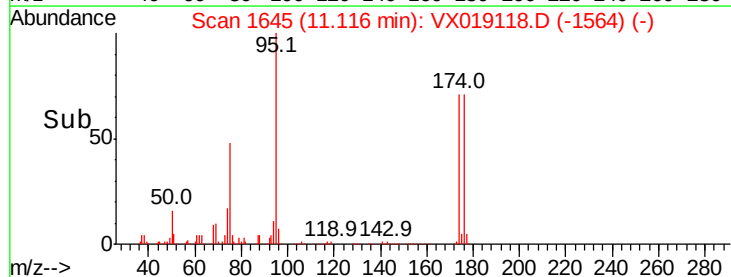
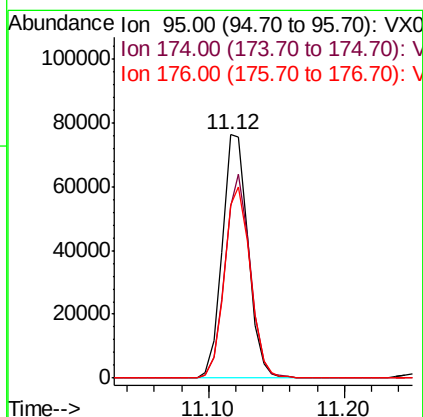
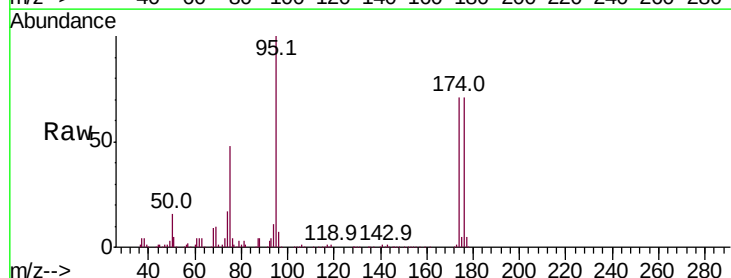
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

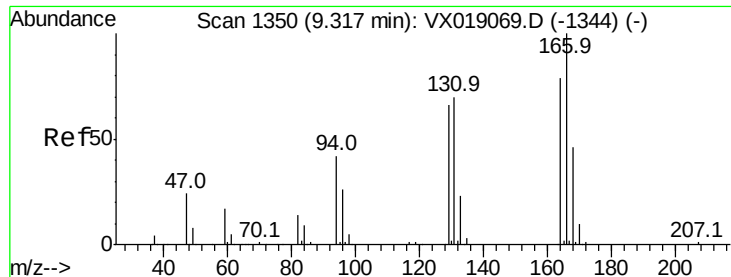
Tot Ion: 43 Resp: 25180
Ion Ratio Lower Upper
43 100
58 63.6 51.9 77.9
57 22.5 18.2 27.4



#60
4-Bromofluorobenzene
Concen: 30.187 ug/l
RT: 11.12 min Scan# 1645
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion: 95 Resp: 100366
Ion Ratio Lower Upper
95 100
174 81.2 66.3 99.5
176 78.7 65.5 98.3





#61

Tetrachloroethene

Concen: 2.727 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:164 Resp: 7166

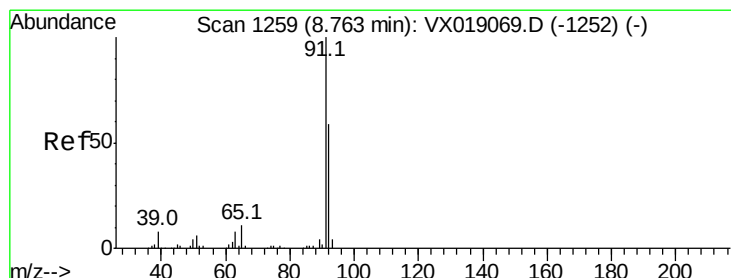
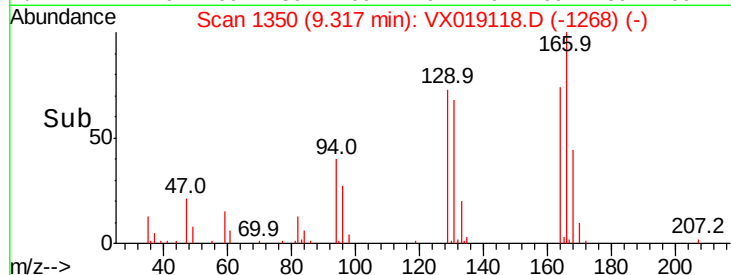
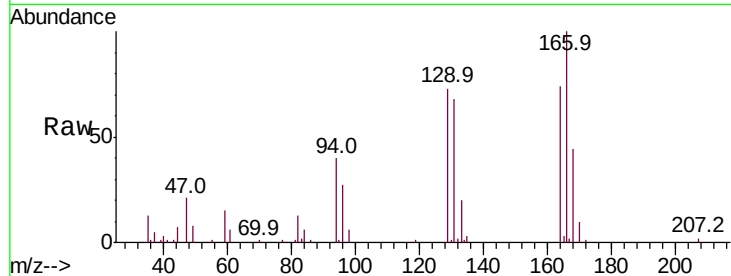
Ion Ratio Lower Upper

164 100

166 135.6 101.9 152.9

129 98.6 67.0 100.6

131 91.9 71.1 106.7



#62

Toluene

Concen: 2.382 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019118.D

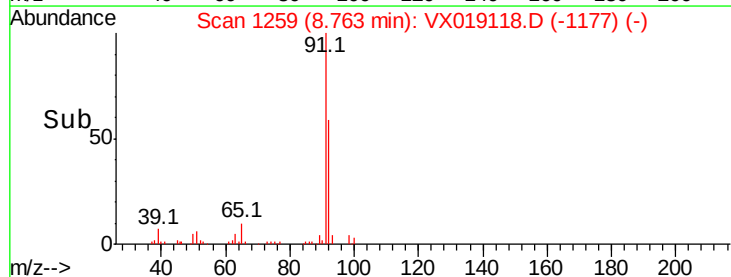
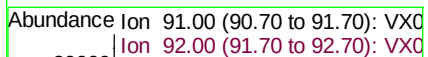
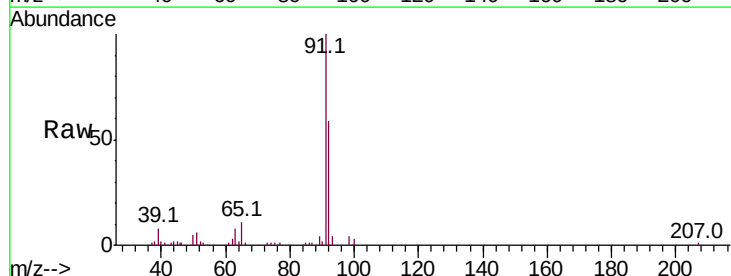
Acq: 26 Oct 2020 13:20

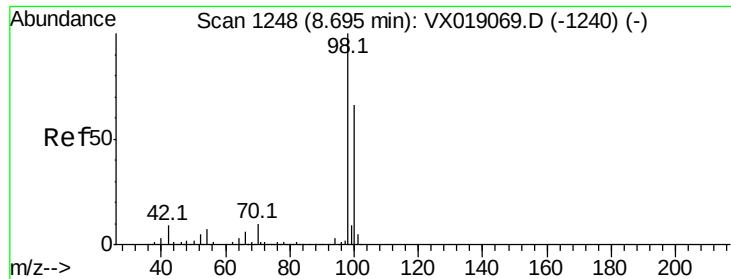
Tgt Ion: 91 Resp: 27734

Ion Ratio Lower Upper

91 100

92 57.5 47.3 70.9





#63

Toluene-d8

Concen: 30.185 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

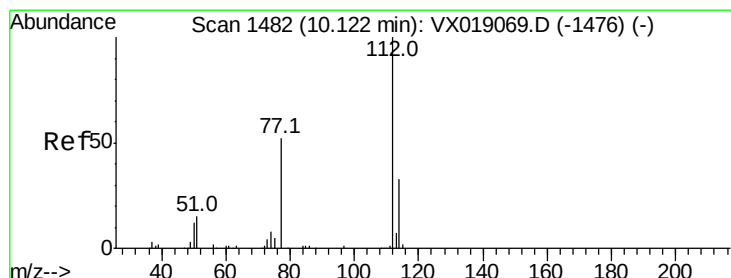
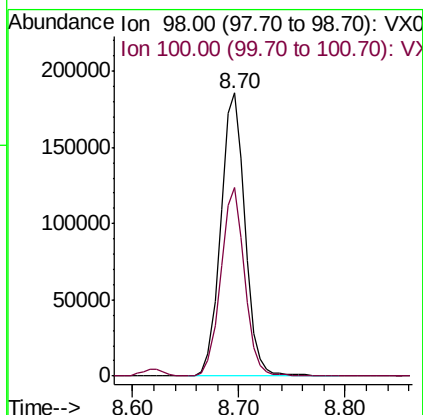
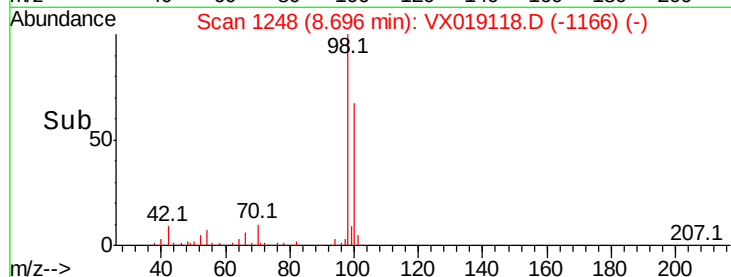
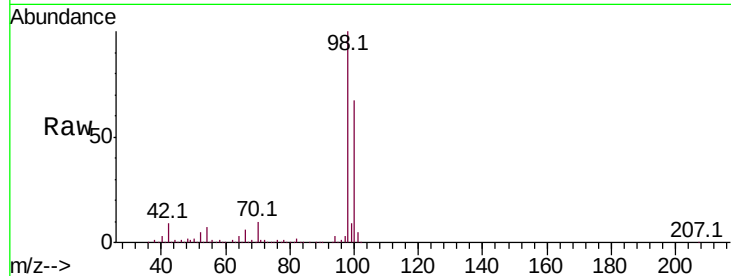
MDL-WATER-03-QT4-2020

Tot Ion: 98 Resp: 295224

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



#64

Chlorobenzene

Concen: 2.485 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX019118.D

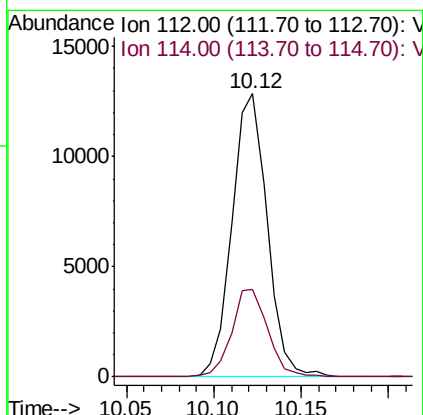
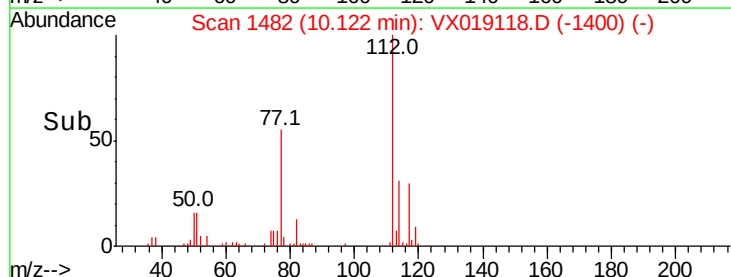
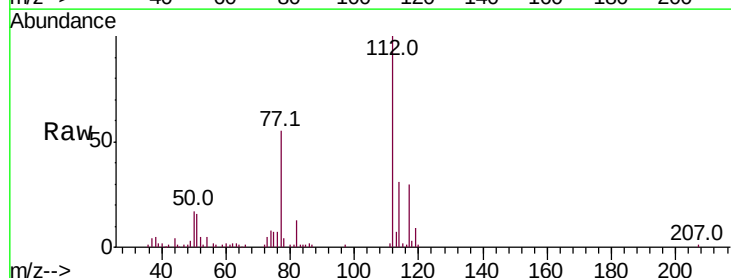
Acq: 26 Oct 2020 13:20

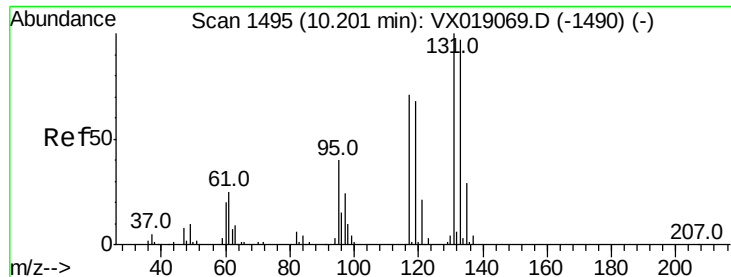
Tgt Ion: 112 Resp: 17981

Ion Ratio Lower Upper

112 100

114 30.7 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 2.326 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

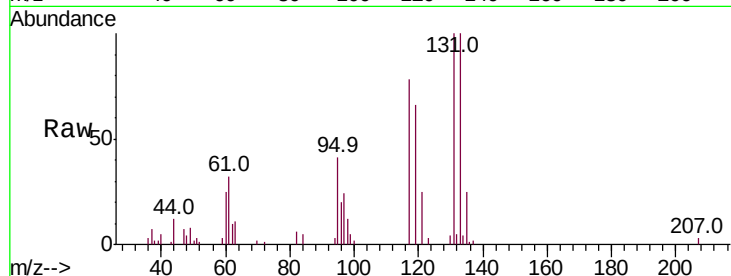
Tot Ion:131 Resp: 6122

Ion Ratio Lower Upper

131 100

133 93.3 0.0 191.6

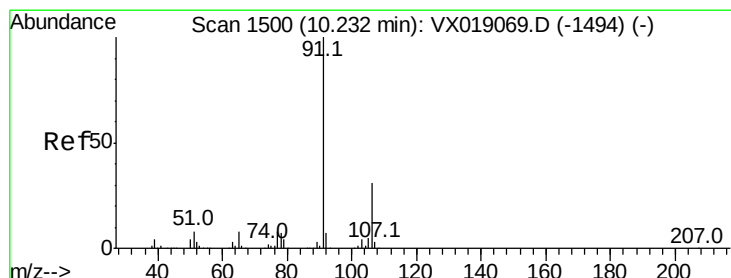
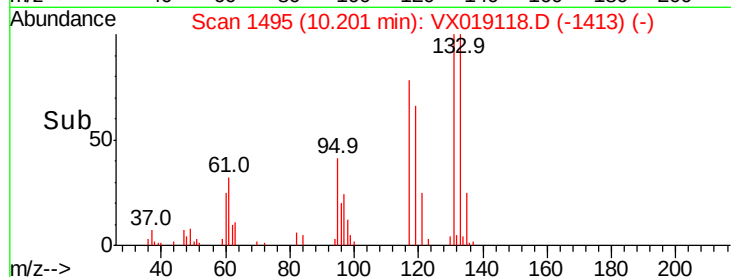
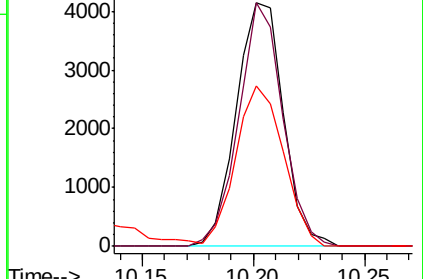
119 66.6 0.0 130.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.367 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019118.D

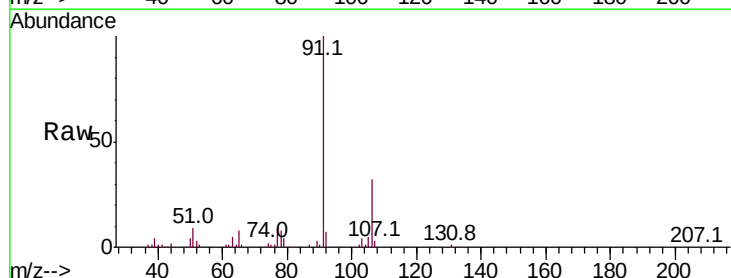
Acq: 26 Oct 2020 13:20

Tgt Ion: 91 Resp: 30214

Ion Ratio Lower Upper

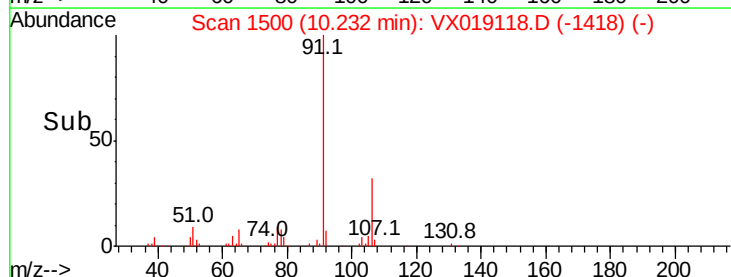
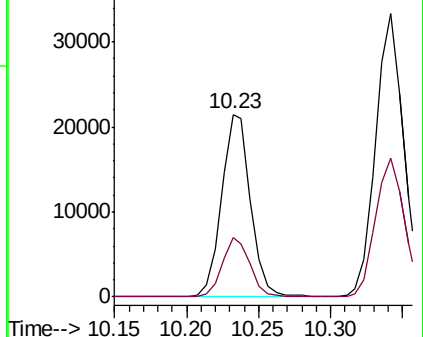
91 100

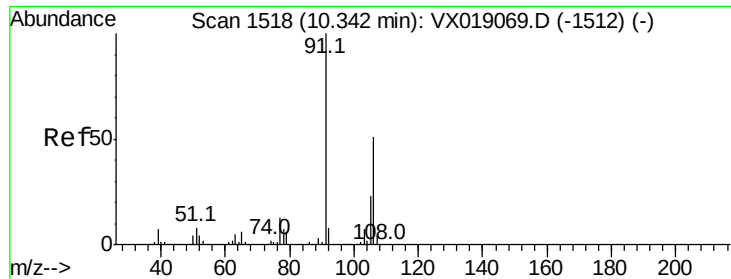
106 32.3 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

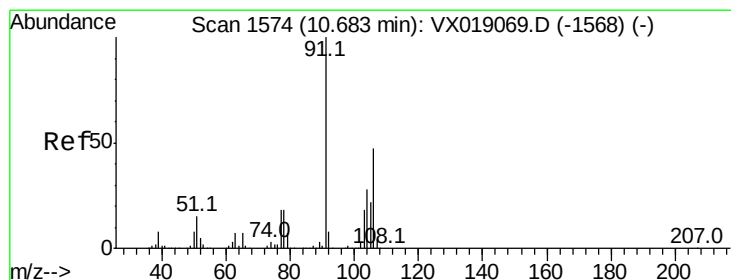
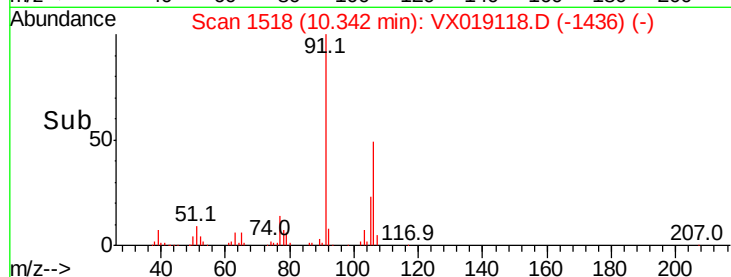
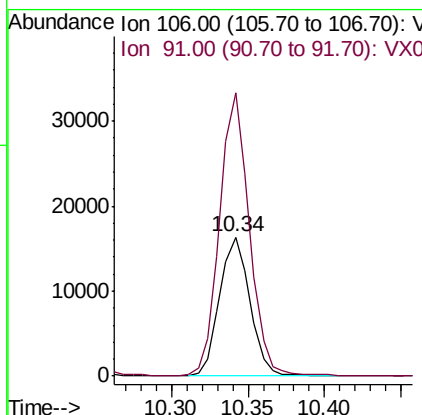
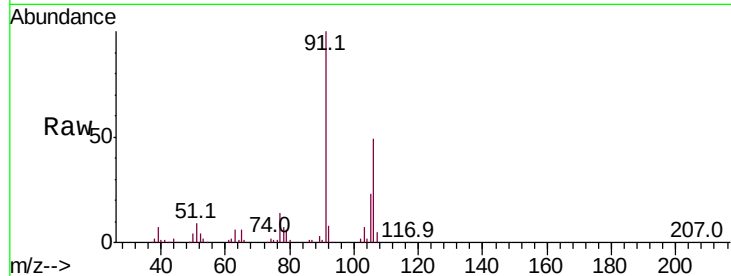




#67
m/p-Xylenes
Concen: 4.663 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

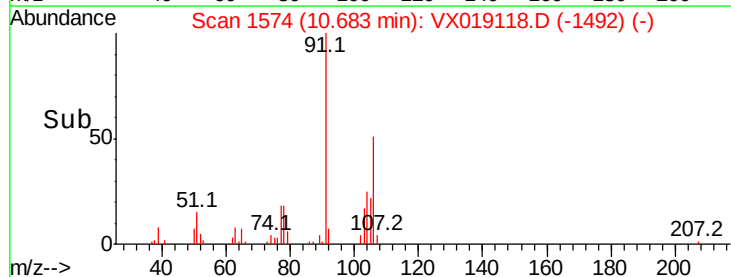
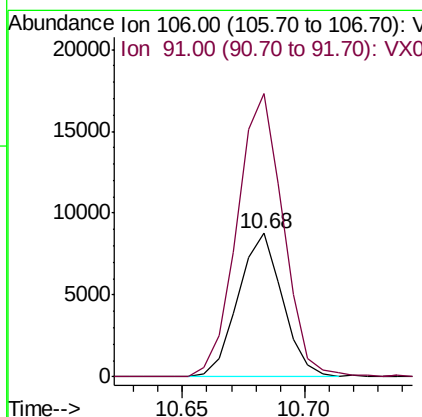
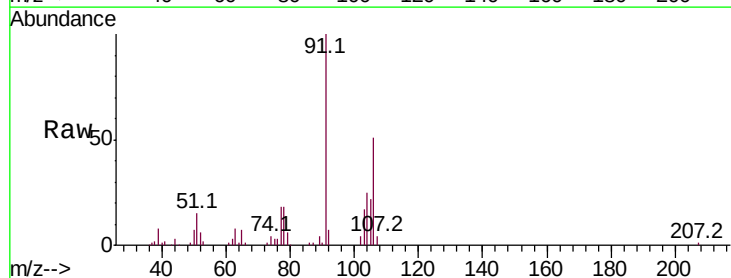
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

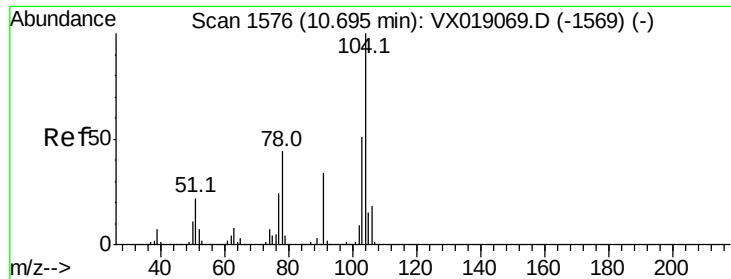
Tot Ion:106 Resp: 22696
Ion Ratio Lower Upper
106 100
91 198.0 157.5 236.3



#68
o-Xylene
Concen: 2.390 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion:106 Resp: 11097
Ion Ratio Lower Upper
106 100
91 204.9 103.8 311.4

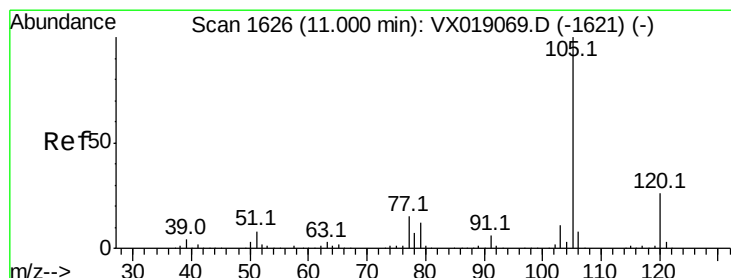
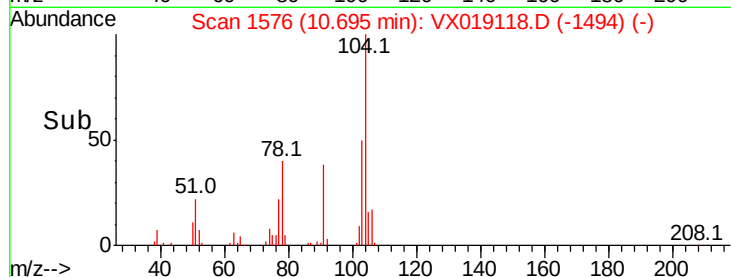
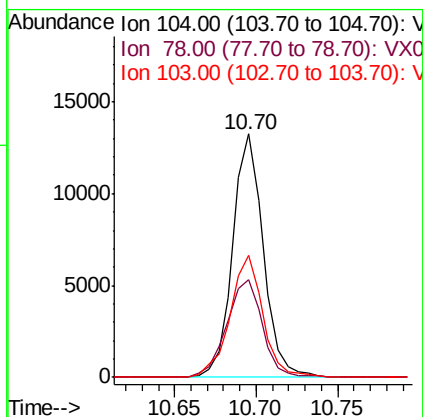
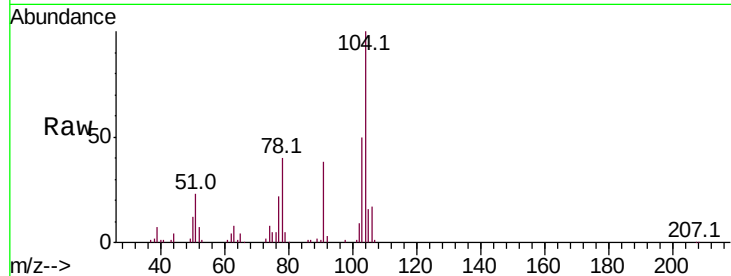




#69
Stvrene
Concen: 2.212 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

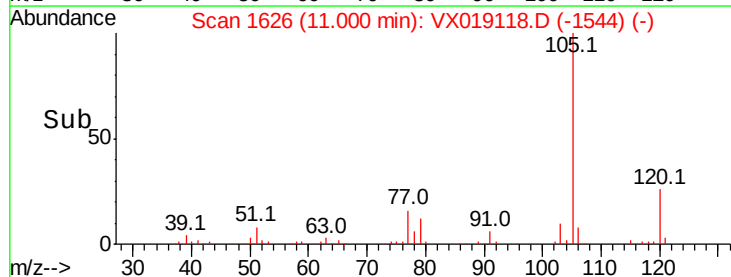
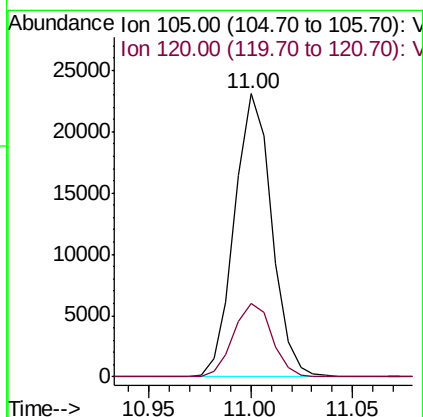
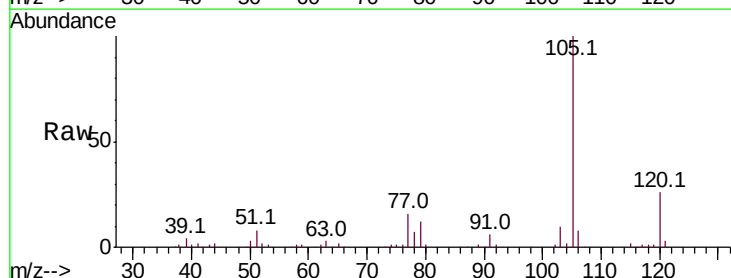
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

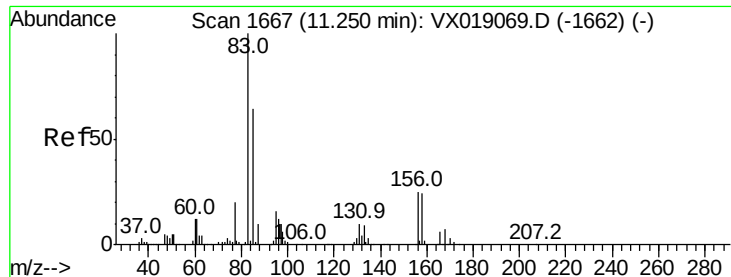
Tot Ion:104 Resp: 17306
Ion Ratio Lower Upper
104 100
78 46.7 38.6 58.0
103 53.6 43.4 65.2



#70
Isopropylbenzene
Concen: 2.352 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion:105 Resp: 29358
Ion Ratio Lower Upper
105 100
120 26.8 19.0 35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 2.453 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

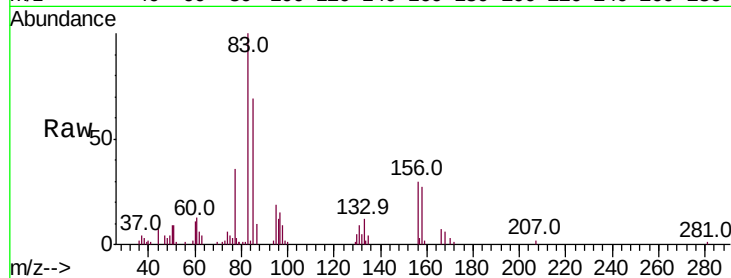
Tot Ion: 83 Resp: 8841

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

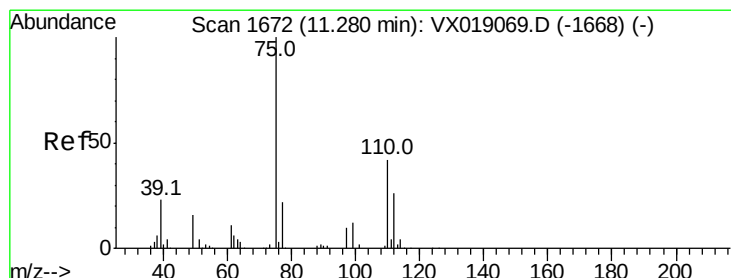
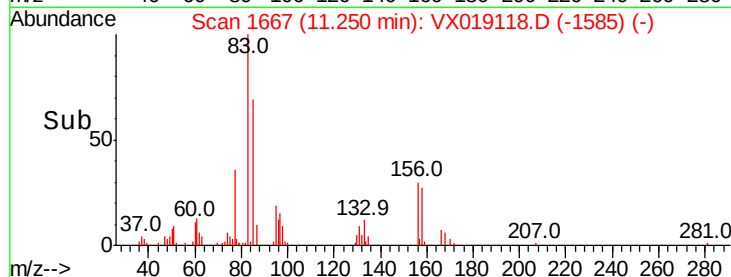
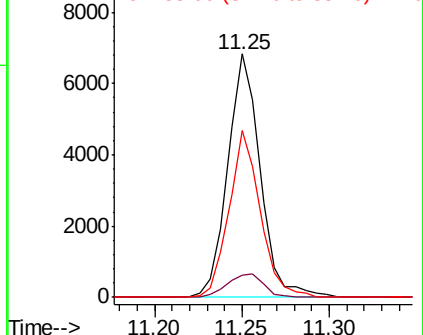
85 65.9 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 3.129 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019118.D

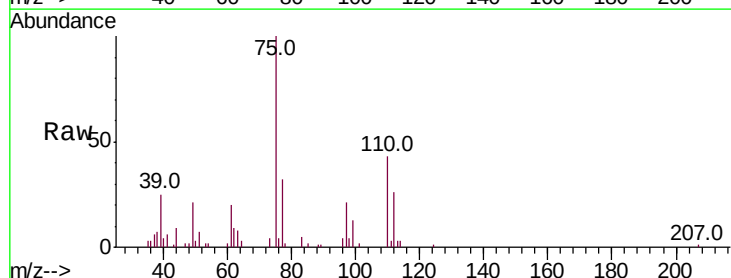
Acq: 26 Oct 2020 13:20

Tgt Ion: 75 Resp: 10140

Ion Ratio Lower Upper

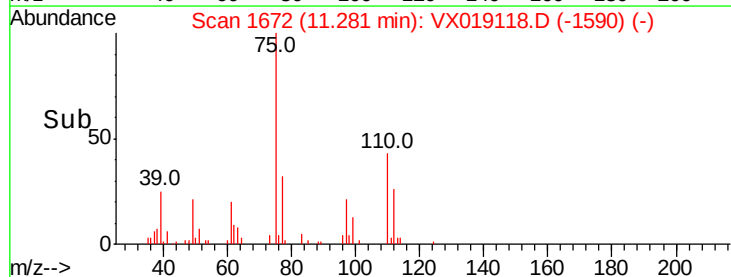
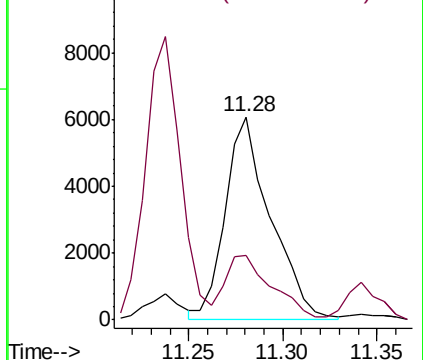
75 100

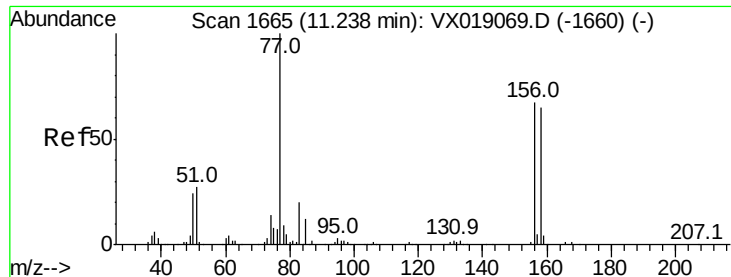
77 32.7 0.0 81.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 2.355 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

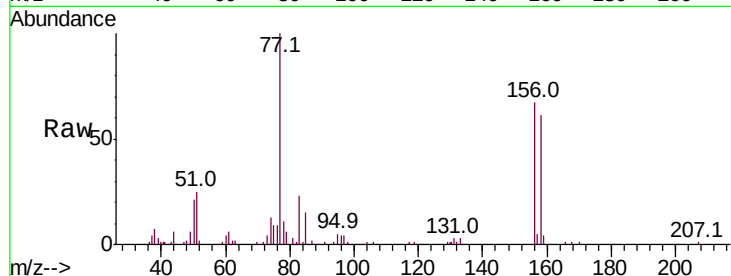
Tot Ion:156 Resp: 7186

Ion Ratio Lower Upper

156 100

77 153.9 0.0 299.6

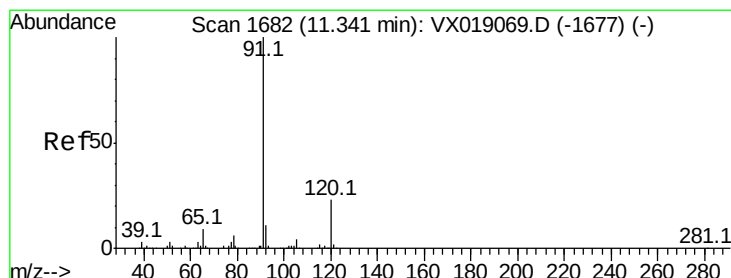
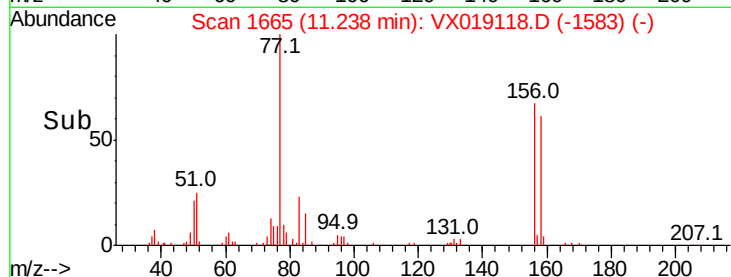
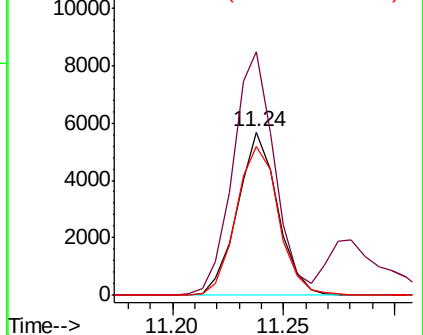
158 95.9 0.0 192.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.290 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019118.D

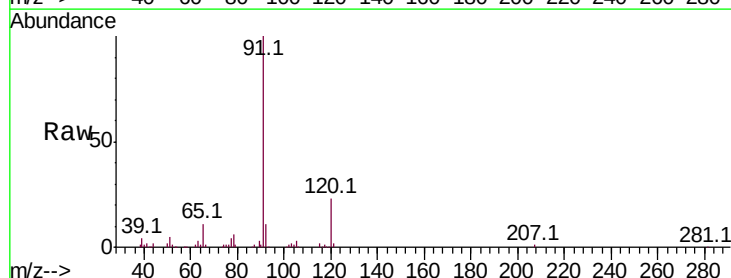
Acq: 26 Oct 2020 13:20

Tgt Ion: 91 Resp: 32374

Ion Ratio Lower Upper

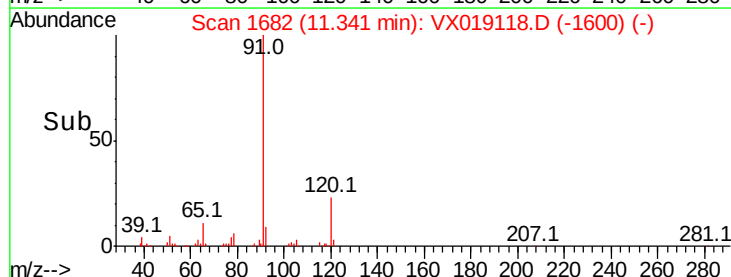
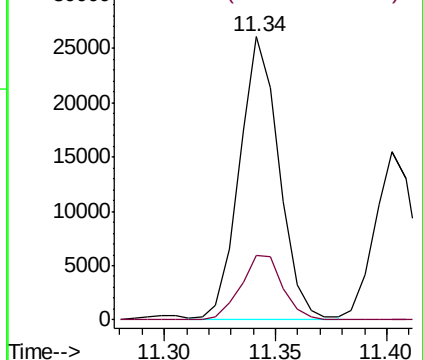
91 100

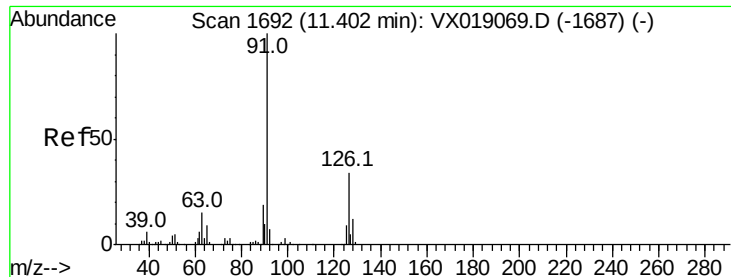
120 24.2 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.418 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

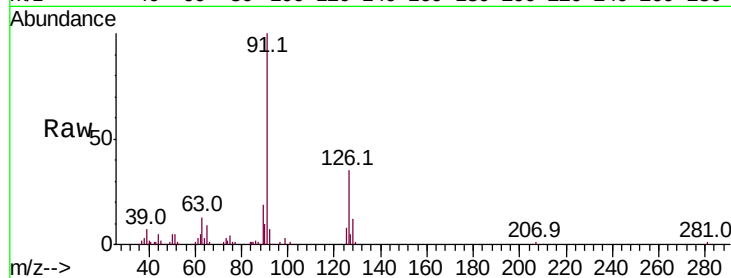
MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 19336

Ion Ratio Lower Upper

91 100

126 34.7 0.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VX019069.D (-1687) (-)

Ion 126.00 (125.70 to 126.70): VX019069.D (-1687) (-)

25000

20000

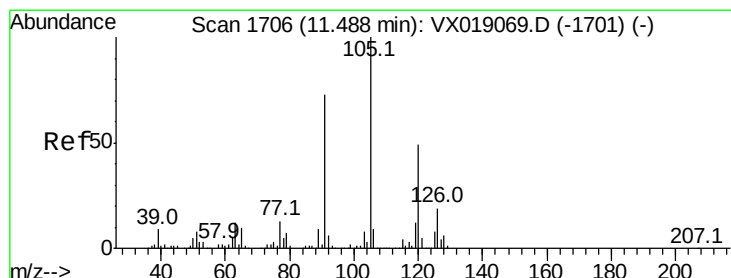
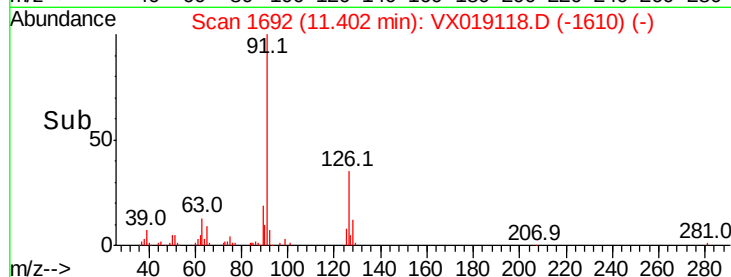
15000

10000

5000

0

Time--> 11.35 11.40 11.45



#76

1,3,5-Trimethylbenzene

Concen: 2.294 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019118.D

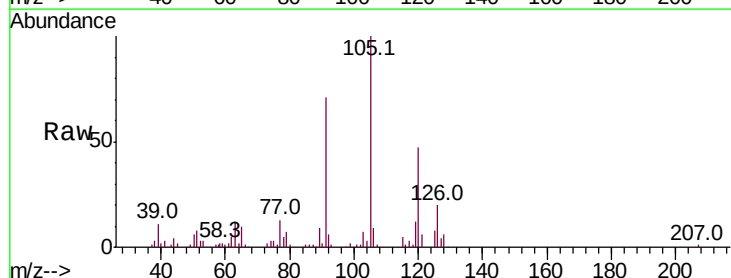
Acq: 26 Oct 2020 13:20

Tgt Ion: 105 Resp: 23235

Ion Ratio Lower Upper

105 100

120 49.2 0.0 100.2



Abundance Ion 105.00 (104.70 to 105.70): VX019069.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX019069.D (-1701) (-)

20000

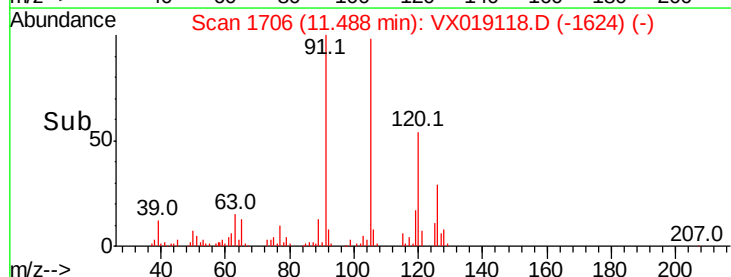
15000

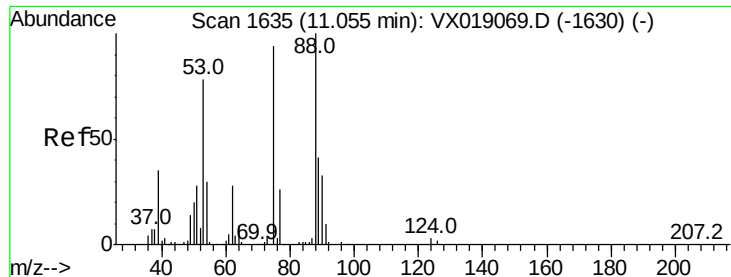
10000

5000

0

Time--> 11.45 11.50





#77

t-1,4-Dichloro-2-butene

Concen: 2.042 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

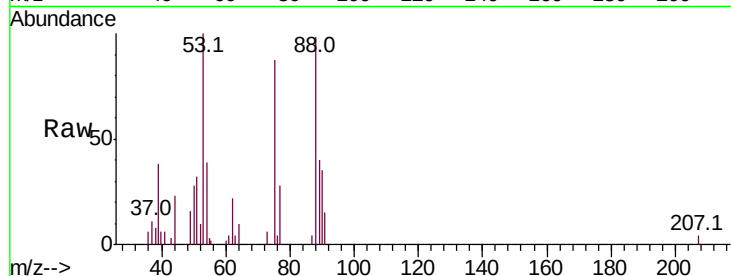
Tot Ion: 75 Resp: 2628

Ion Ratio Lower Upper

75 100

53 114.8 41.6 124.8

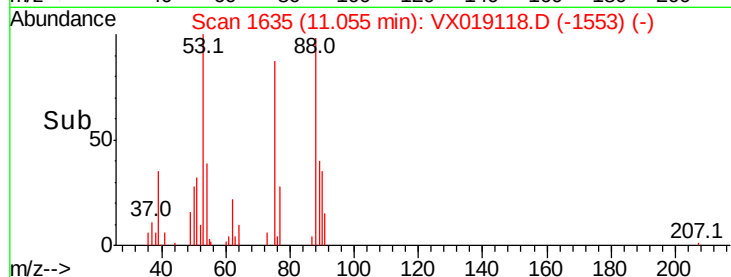
89 45.4 21.8 65.3



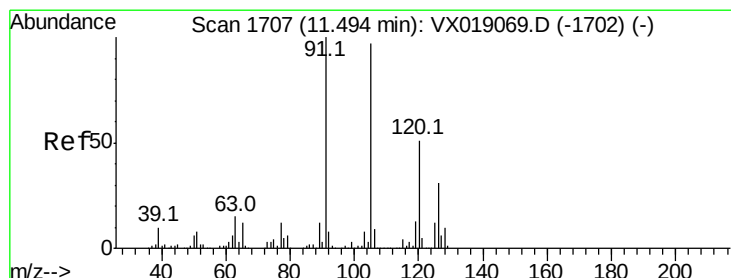
Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



Time-->



#78

4-Chlorotoluene

Concen: 2.390 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX019118.D

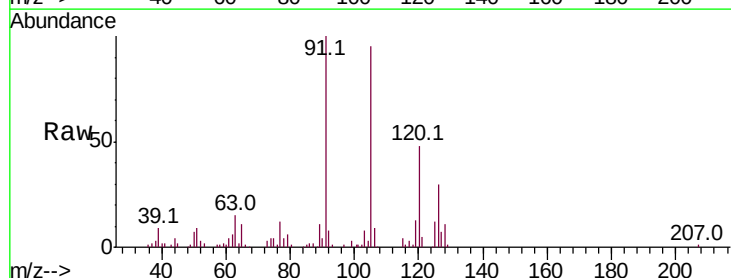
Acq: 26 Oct 2020 13:20

Tgt Ion: 91 Resp: 22450

Ion Ratio Lower Upper

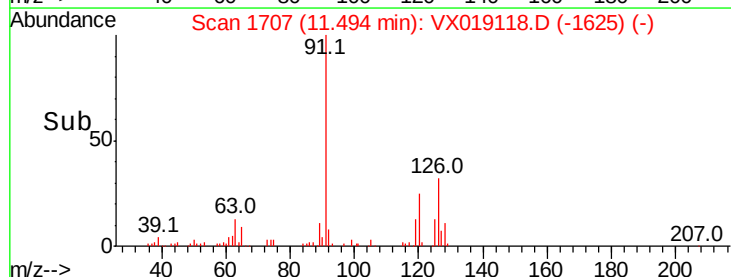
91 100

126 30.7 0.0 61.2

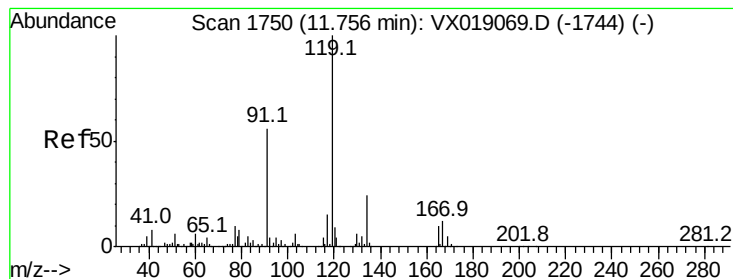


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



Time-->



#79

tert-butylbenzene

Concen: 2.367 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

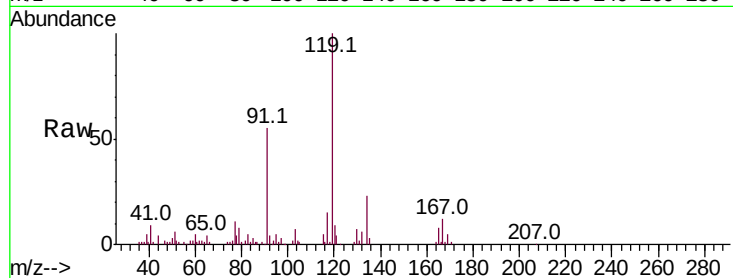
Tot Ion:119 Resp: 23606

Ion Ratio Lower Upper

119 100

91 56.7 0.0 111.4

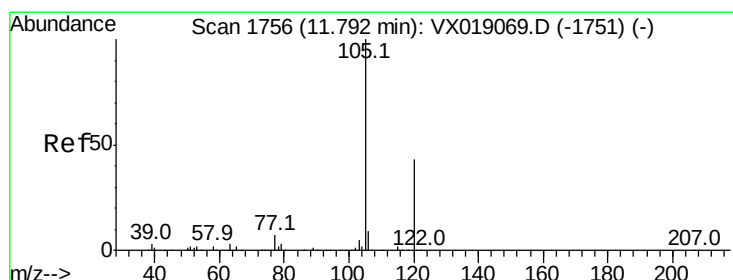
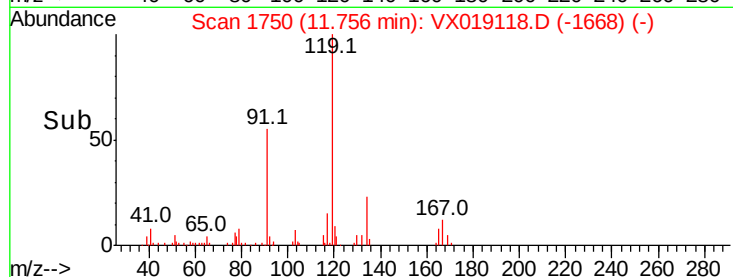
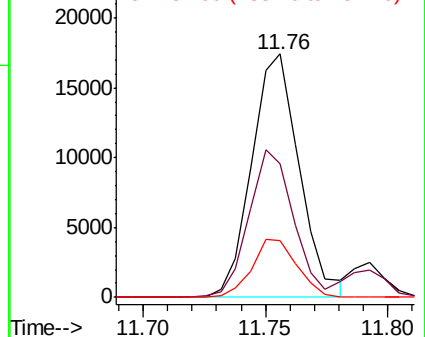
134 22.8 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 2.292 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019118.D

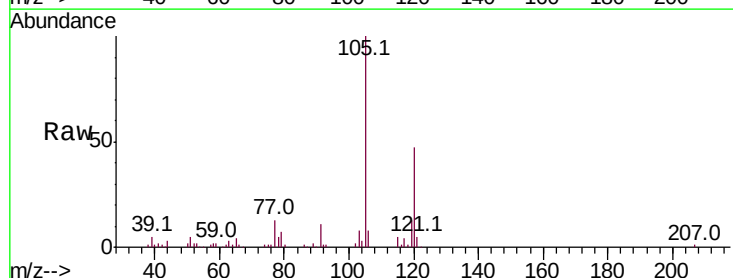
Acq: 26 Oct 2020 13:20

Tgt Ion:105 Resp: 23075

Ion Ratio Lower Upper

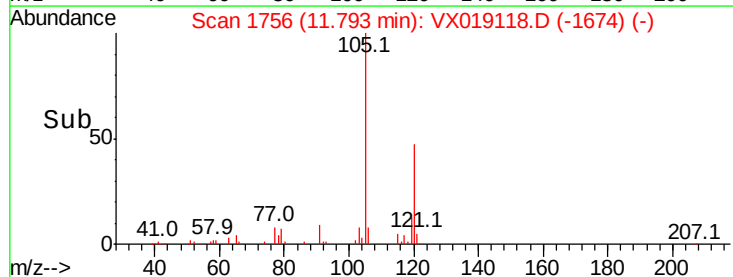
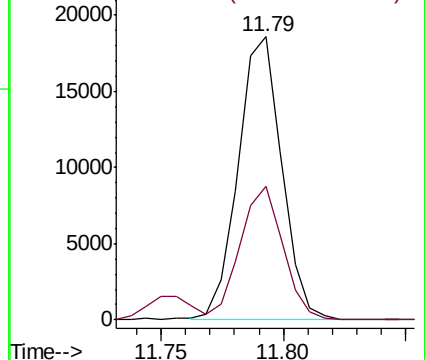
105 100

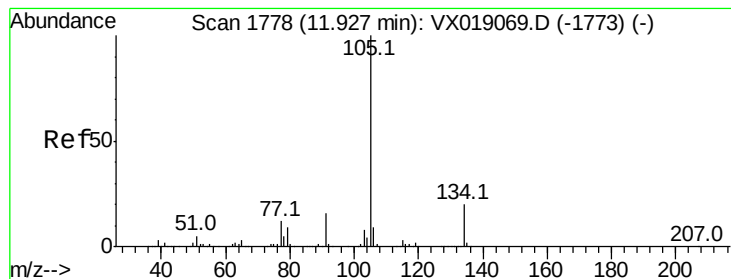
120 46.4 0.0 92.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 2.342 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

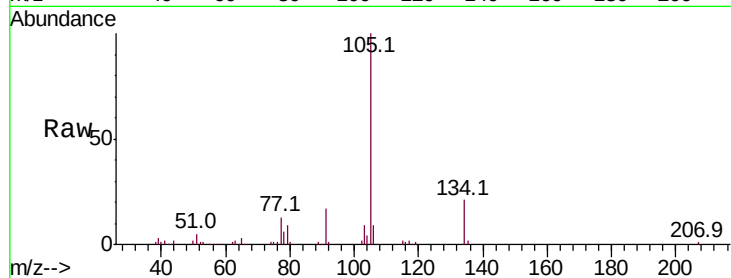
MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 27640

Ion Ratio Lower Upper

105 100

134 20.6 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

25000

20000

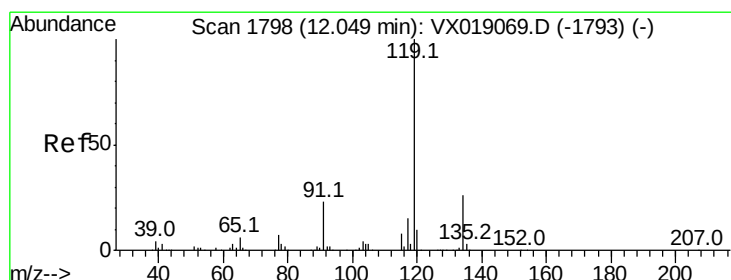
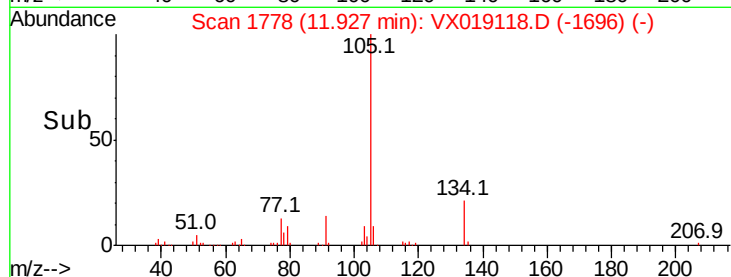
15000

10000

5000

0

Time-->



#82

p-Isopropyltoluene

Concen: 2.212 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

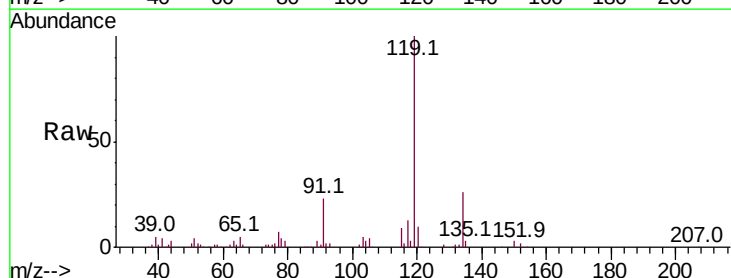
Tgt Ion:119 Resp: 24062

Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.0

91 23.8 0.0 45.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.05

25000

20000

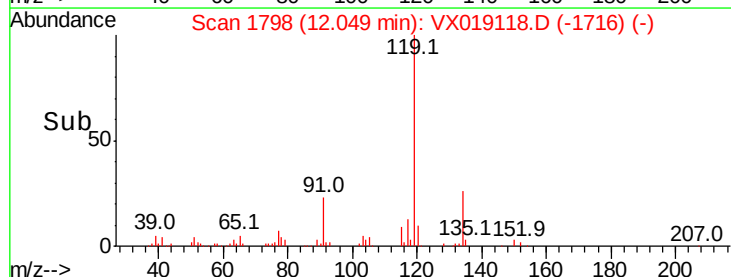
15000

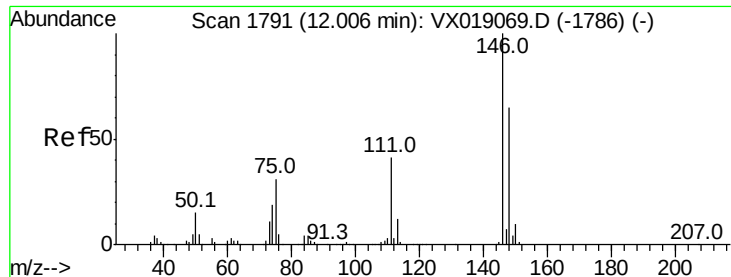
10000

5000

0

Time-->

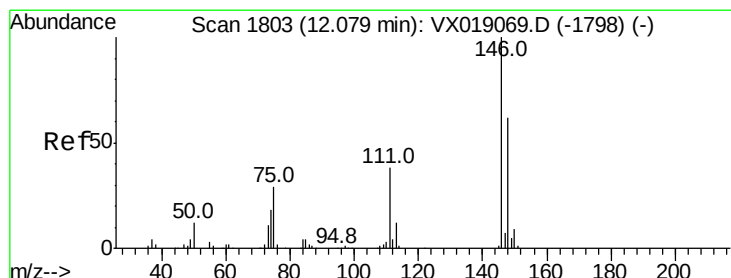
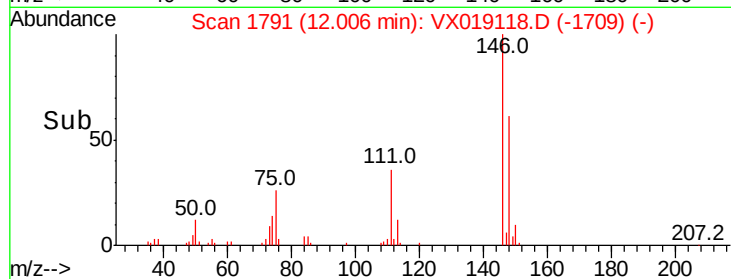
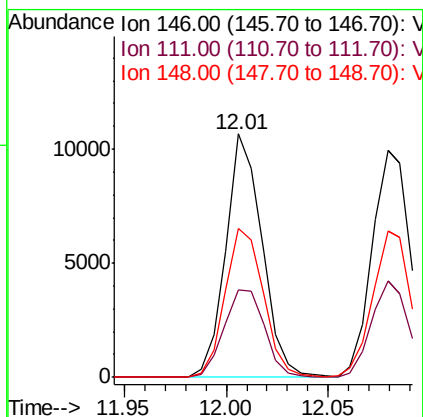
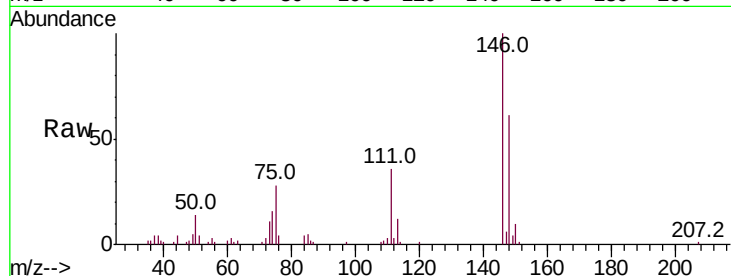




#83
 1,3-Dichlorobenzene
 Concen: 2.406 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

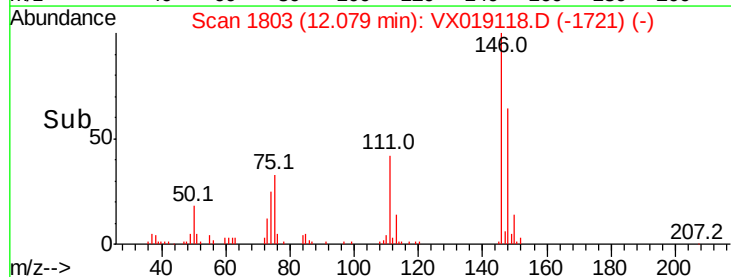
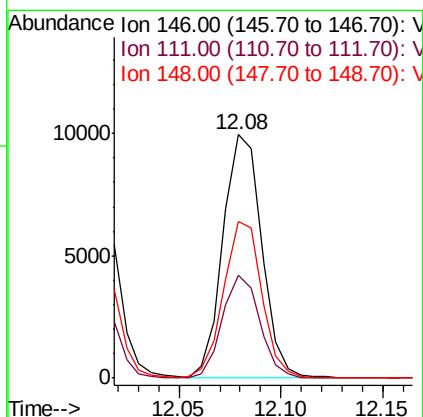
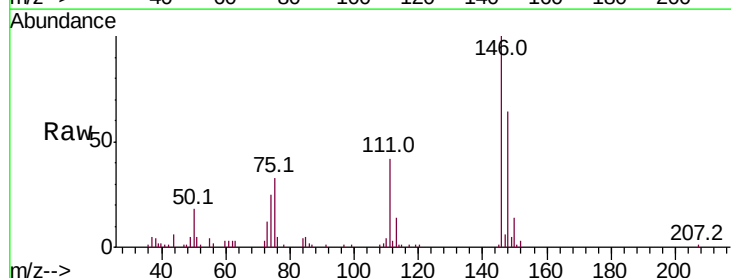
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

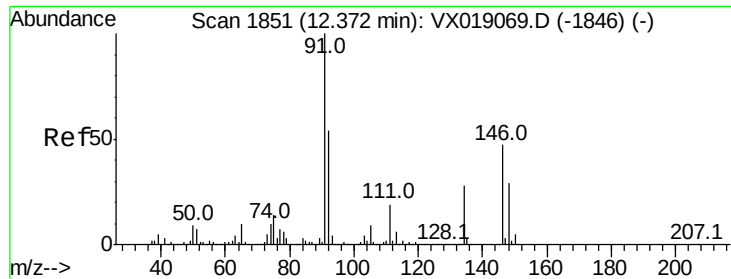
Tot Ion:146 Resp: 13118
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 59.9
 148 64.6 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 2.370 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion:146 Resp: 13122
 Ion Ratio Lower Upper
 146 100
 111 40.5 18.9 56.7
 148 63.5 31.6 95.0

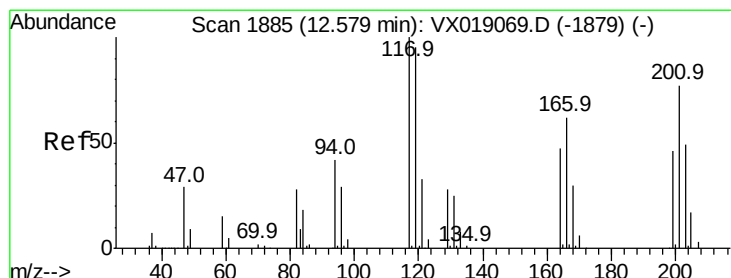
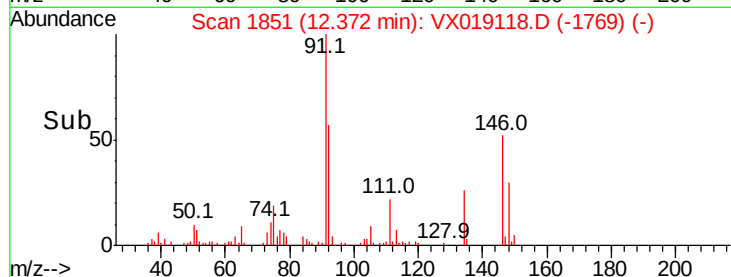
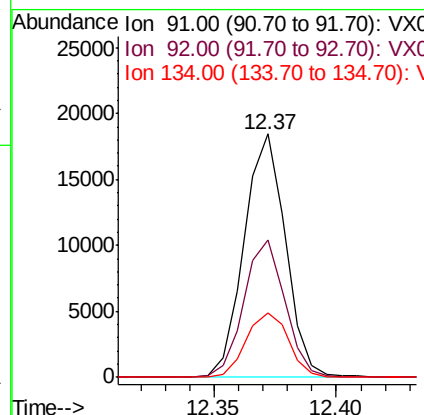
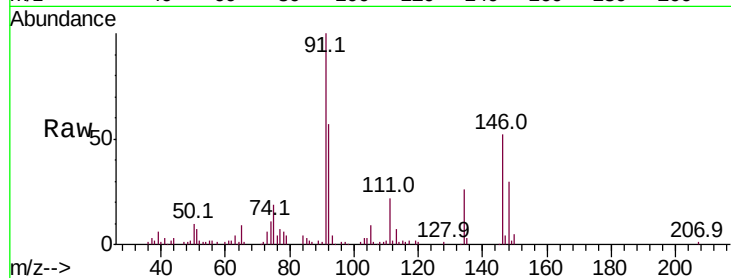




#85
n-Butylbenzene
Concen: 2.234 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

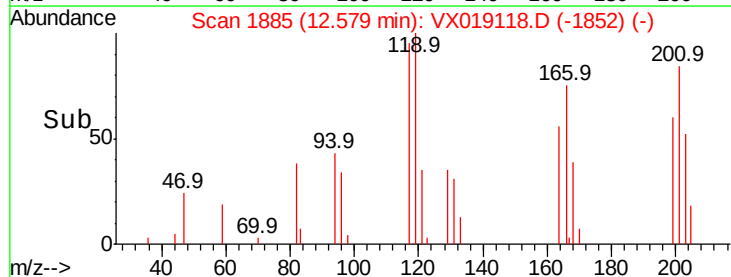
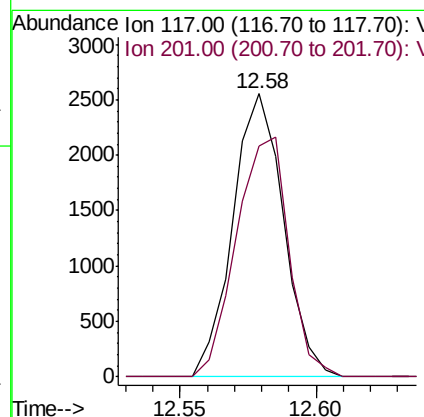
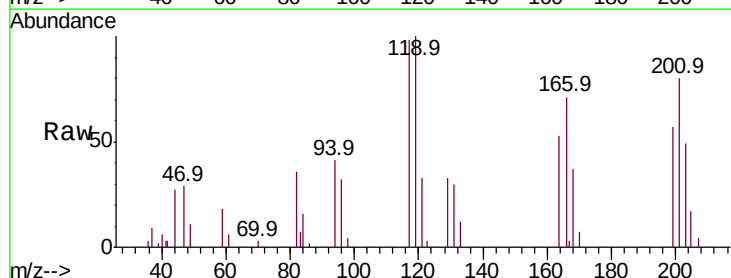
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

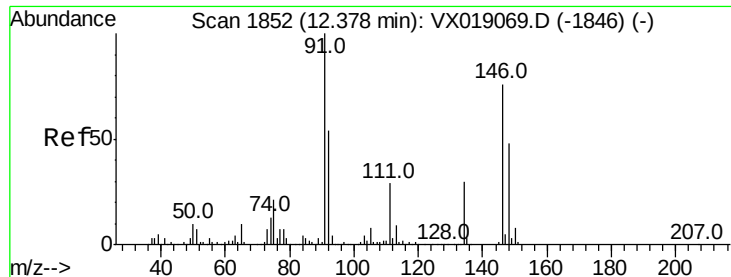
Tot Ion: 91 Resp: 21760
Ion Ratio Lower Upper
91 100
92 55.9 0.0 107.4
134 27.0 0.0 54.6



#86
Hexachloroethane
Concen: 1.980 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion: 117 Resp: 3308
Ion Ratio Lower Upper
117 100
201 87.5 38.4 115.1

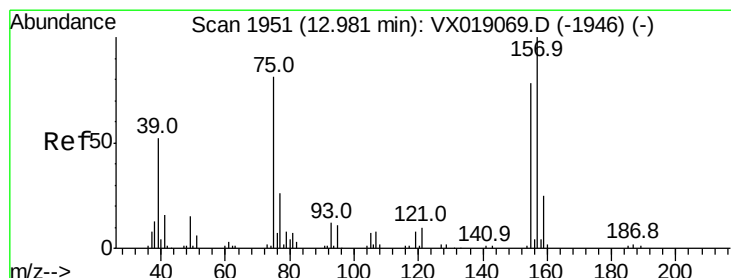
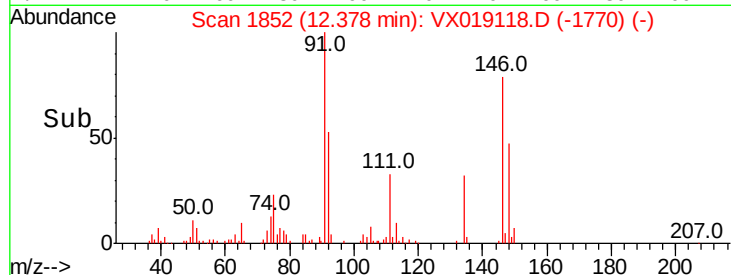
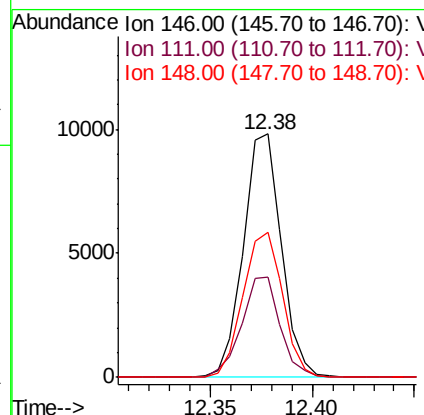
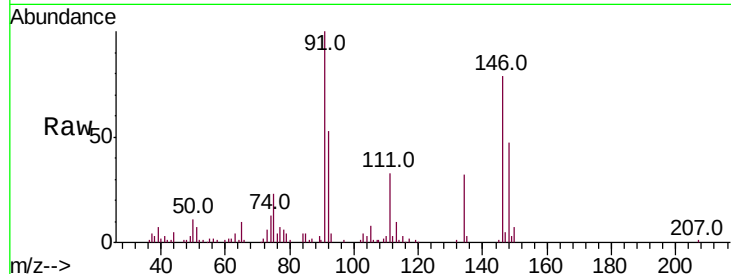




#87
 1,2-Dichlorobenzene
 Concen: 2.439 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

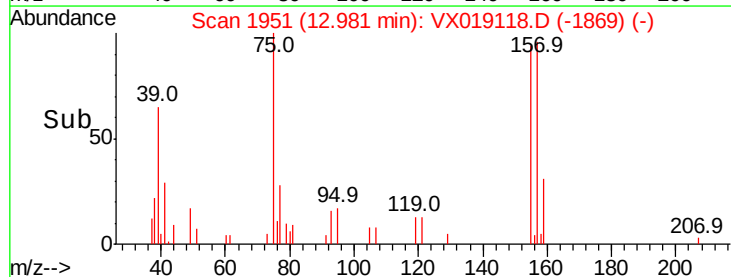
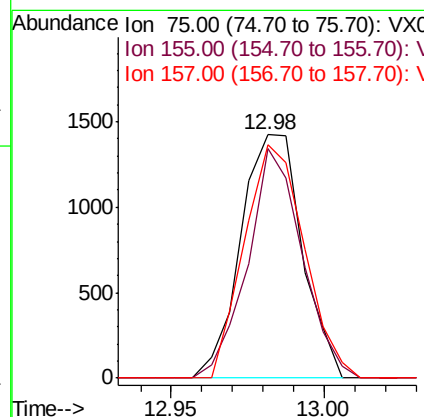
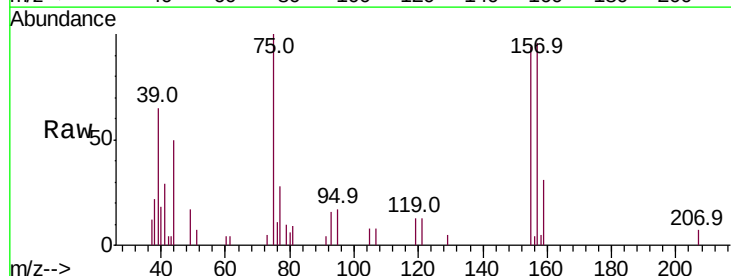
Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-03-QT4-2020

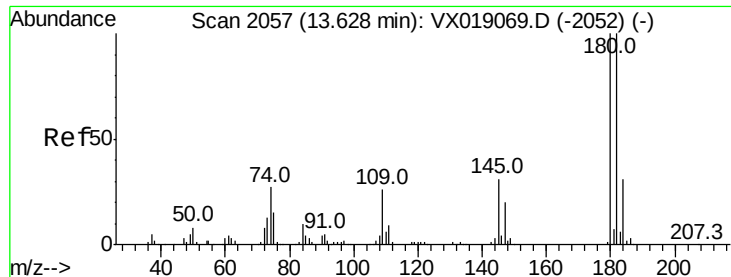
Tot Ion:146 Resp: 12734
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.3 61.0
 148 61.7 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.429 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion: 75 Resp: 1981
 Ion Ratio Lower Upper
 75 100
 155 83.8 73.7 110.5
 157 93.8 96.5 144.7#

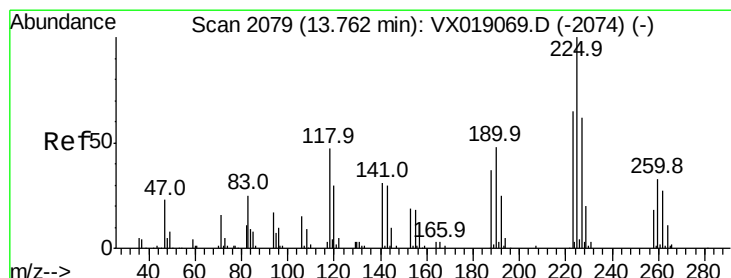
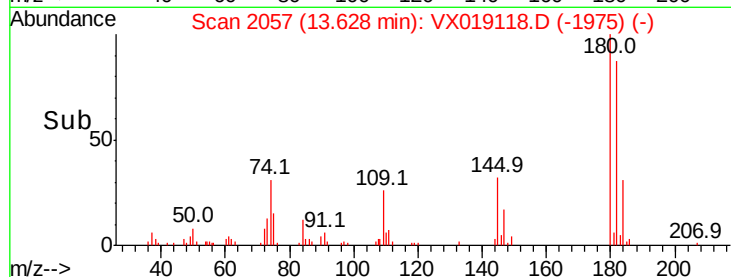
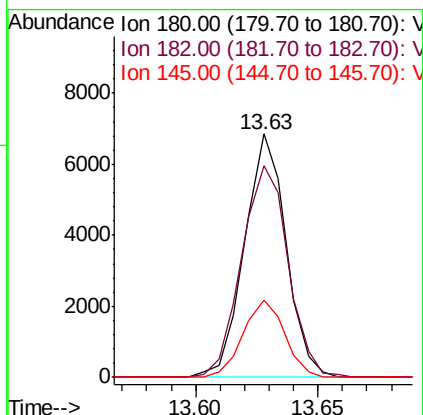
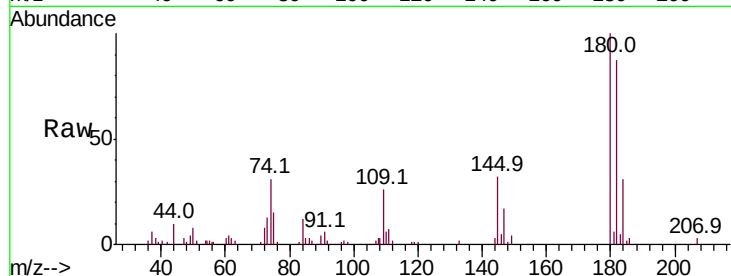




#89
 1,2,4-Trichlorobenzene
 Concen: 2.156 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

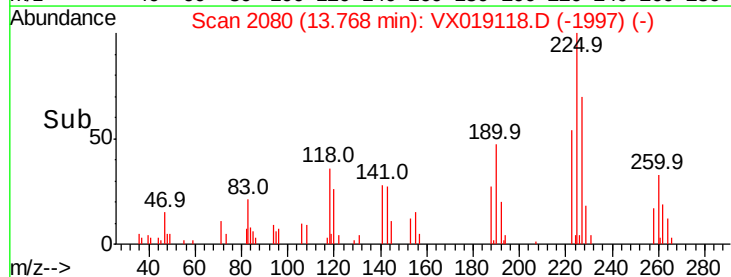
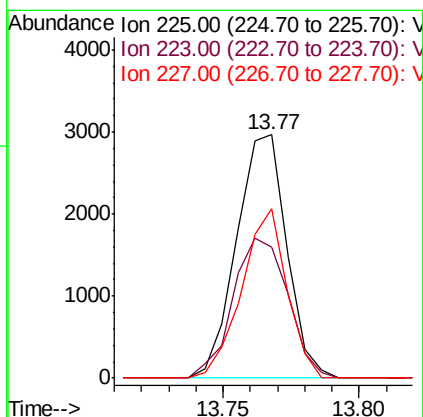
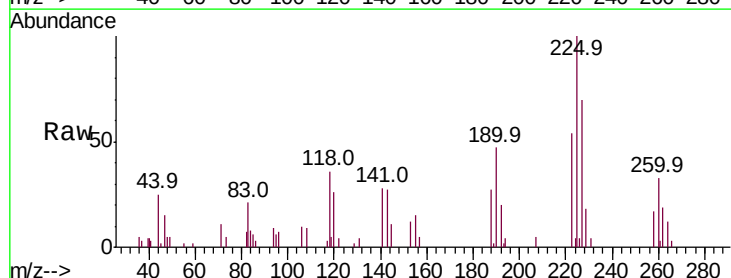
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

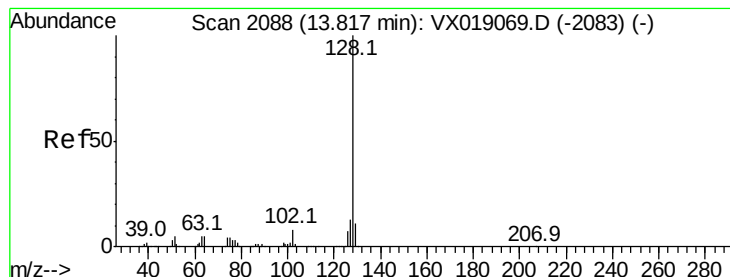
Tot Ion:180 Resp: 8100
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.5 114.7
 145 31.7 24.2 36.4



#90
 Hexachlorobutadiene
 Concen: 2.383 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion:225 Resp: 3796
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 130.0
 227 62.4 0.0 128.6





#91

Naphthalene

Concen: 2.008 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

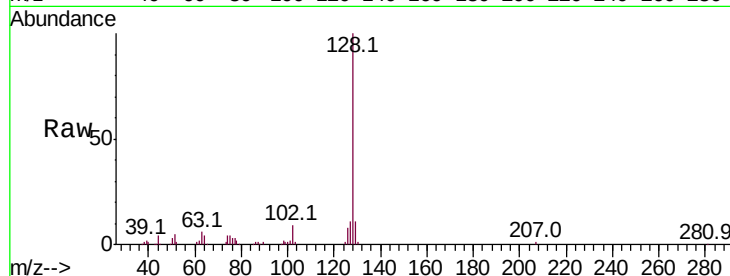
Tot Ion:128 Resp: 24694

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

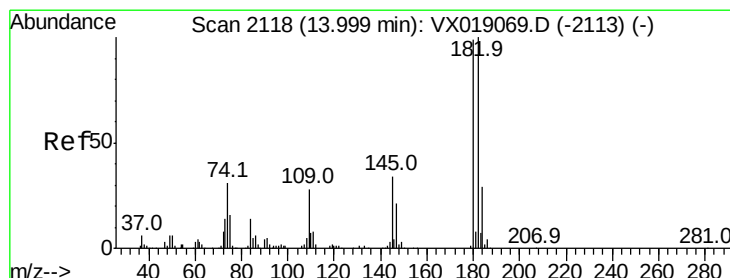
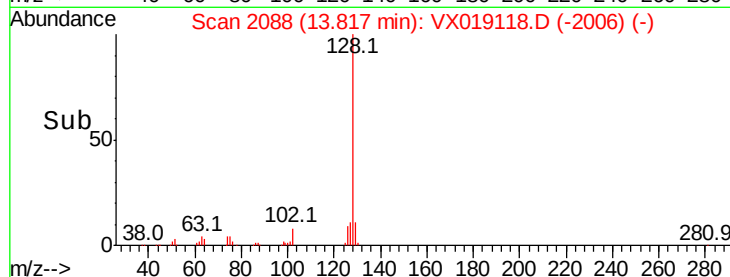
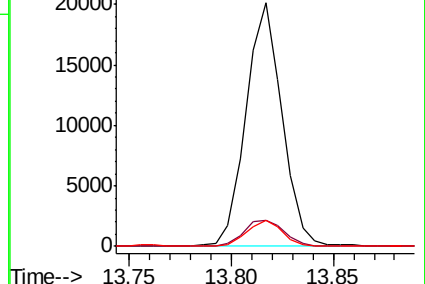
129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 2.294 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

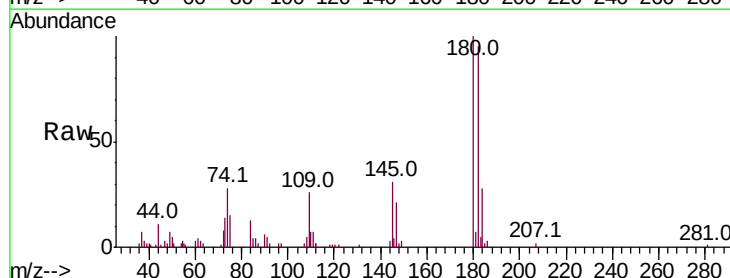
Tgt Ion:180 Resp: 8288

Ion Ratio Lower Upper

180 100

182 94.1 0.0 192.4

145 30.8 0.0 64.6



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

