

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017369.D
 Acq On : 14 Jul 2020 11:26
 Operator : JC/SP
 Sample : L3216-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Quant Time: Jul 15 02:08:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 15 02:05:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	296233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	454870	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	427655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	212497	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	180589	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
35) Dibromofluoromethane	5.46	113	146609	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.70	98	505981	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
62) 4-Bromofluorobenzene	11.12	95	185884	42.34	ug/l	0.00
Spiked Amount			Recovery	=	84.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1743	0.695	ug/l	96
3) Chloromethane	1.32	50	2360	0.836	ug/l	99
4) Vinyl Chloride	1.39	62	2222	0.796	ug/l	94
5) Bromomethane	1.64	94	2041	1.123	ug/l	89
6) Chloroethane	1.72	64	1555	0.882	ug/l	93
7) Trichlorofluoromethane	1.92	101	3561	0.756	ug/l	91
8) Diethyl Ether	2.17	74	1667	1.001	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1936	0.721	ug/l #	88
10) Methyl Iodide	2.50	142	1906	0.585	ug/l #	89
11) Tert butyl alcohol	3.02	59	2349	3.750	ug/l	96
12) 1,1-Dichloroethene	2.36	96	2417	0.897	ug/l	91
13) Acrolein	2.28	56	1294	3.768	ug/l	96
14) Allyl chloride	2.71	41	3615	0.774	ug/l	96
15) Acrylonitrile	3.12	53	5971	3.932	ug/l	99
16) Acetone	2.42	43	5311	4.004	ug/l	98
17) Carbon Disulfide	2.55	76	6489	0.825	ug/l #	88
18) Methyl Acetate	2.75	43	2786	0.850	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	6576	0.718	ug/l #	84
20) Methylene Chloride	2.83	84	3060	0.946	ug/l #	91
21) trans-1,2-Dichloroethene	3.15	96	2634	0.854	ug/l #	76
22) Diisopropyl ether	3.83	45	5961	0.670	ug/l #	93
23) Vinyl Acetate	3.79	43	24641	3.149	ug/l	99
24) 1,1-Dichloroethane	3.67	63	4124	0.789	ug/l #	86
25) 2-Butanone	4.64	43	8010	3.802	ug/l	95
26) 2,2-Dichloropropane	4.55	77	3861	0.793	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	2710	0.801	ug/l	76
28) Bromochloromethane	4.98	49	2163	0.895	ug/l #	82
29) Tetrahydrofuran	5.10	42	5074	3.721	ug/l #	89
30) Chloroform	5.18	83	4508	0.801	ug/l	96
31) Cyclohexane	5.54	56	2687	0.628	ug/l	93
32) 1,1,1-Trichloroethane	5.46	97	4114	0.791	ug/l #	42
36) 1,1-Dichloropropene	5.78	75	3422	0.818	ug/l #	66
37) Ethyl Acetate	4.80	43	3438	0.795	ug/l #	81
38) Carbon Tetrachloride	5.76	117	3901	0.796	ug/l #	84

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 15 02:05:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.45	83	3114	0.685	ug/l	88
40) Benzene	6.11	78	9396	0.781	ug/l	99
41) Methacrylonitrile	5.01	41	1740	0.749	ug/l #	64
42) 1,2-Dichloroethane	6.15	62	4297	0.920	ug/l	92
43) Isopropyl Acetate	6.42	43	5370	0.777	ug/l #	95
44) Trichloroethene	7.19	130	2859	0.778	ug/l	96
45) 1,2-Dichloropropane	7.49	63	2510	0.816	ug/l	96
46) Dibromomethane	7.63	93	1665	0.750	ug/l	91
47) Bromodichloromethane	7.87	83	3496	0.754	ug/l #	79
48) Methyl methacrylate	7.74	41	2665	0.803	ug/l #	82
49) 1,4-Dioxane	7.73	88	1349	19.868	ug/l #	86
51) 4-Methyl-2-Pentanone	8.62	43	12459	2.955	ug/l	97
52) Toluene	8.76	92	5878	0.762	ug/l	90
53) t-1,3-Dichloropropene	9.02	75	3368	0.674	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	3448	0.647	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	2529	0.786	ug/l	88
56) Ethyl methacrylate	9.16	69	2649	0.580	ug/l #	81
57) 1,3-Dichloropropane	9.35	76	3624	0.677	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.29	63	6566	2.831	ug/l	100
59) 2-Hexanone	9.48	43	9138	2.872	ug/l	96
60) Dibromochloromethane	9.56	129	2593	0.660	ug/l	95
61) 1,2-Dibromoethane	9.66	107	2414	0.690	ug/l	96
64) Tetrachloroethene	9.32	164	2773	0.749	ug/l	96
65) Chlorobenzene	10.12	112	6326	0.728	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	2519	0.728	ug/l #	62
67) Ethyl Benzene	10.24	91	8792	0.608	ug/l	91
68) m/p-Xylenes	10.34	106	6613	1.201	ug/l	98
69) o-Xylene	10.68	106	3148	0.598	ug/l	95
70) Styrene	10.70	104	4869	0.539	ug/l	94
71) Bromoform	10.84	173	1944	0.666	ug/l #	97
73) Isopropylbenzene	11.00	105	7766	0.583	ug/l	92
74) N-amyl acetate	10.88	43	3437	0.645	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	3249	0.803	ug/l	96
76) 1,2,3-Trichloropropane	11.28	75	3532	0.900	ug/l	89
77) Bromobenzene	11.24	156	3061	0.807	ug/l	91
78) n-propylbenzene	11.34	91	9841	0.658	ug/l	96
79) 2-Chlorotoluene	11.40	91	6478	0.703	ug/l	95
80) 1,3,5-Trimethylbenzene	11.49	105	7041	0.623	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	91944	59.400	ug/l #	11
82) 4-Chlorotoluene	11.49	91	8057	0.737	ug/l	93
83) tert-Butylbenzene	11.76	119	6371	0.583	ug/l	89
84) 1,2,4-Trimethylbenzene	11.79	105	6247	0.547	ug/l	97
85) sec-Butylbenzene	11.93	105	7414	0.579	ug/l	98
86) p-Isopropyltoluene	12.05	119	7010	0.579	ug/l #	83
87) 1,3-Dichlorobenzene	12.01	146	4916	0.724	ug/l	95
88) 1,4-Dichlorobenzene	12.01	146	4916	0.717	ug/l	95
89) n-Butylbenzene	12.37	91	6440	0.624	ug/l	97
90) Hexachloroethane	12.58	117	1641	0.714	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	4263	0.668	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.98	75	760	0.712	ug/l	89

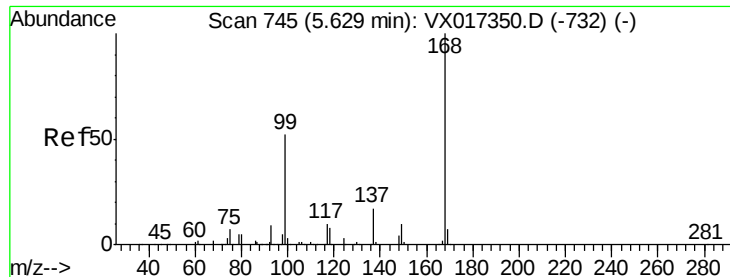
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071420\
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Quant Title : SW846 8260
QLast Update : Wed Jul 15 02:05:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	2970	0.671	ug/l	94
94) Hexachlorobutadiene	13.76	225	1596	0.884	ug/l	96
95) Naphthalene	13.82	128	7553	0.580	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	2837	0.663	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

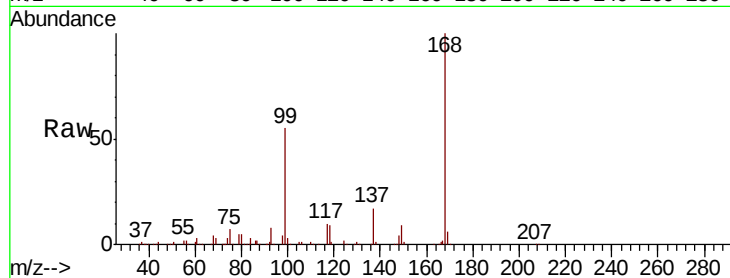
MDL-WATER-03-QT3-2020

Tot Ion:168 Resp: 296233

Ion Ratio Lower Upper

168 100

99 55.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

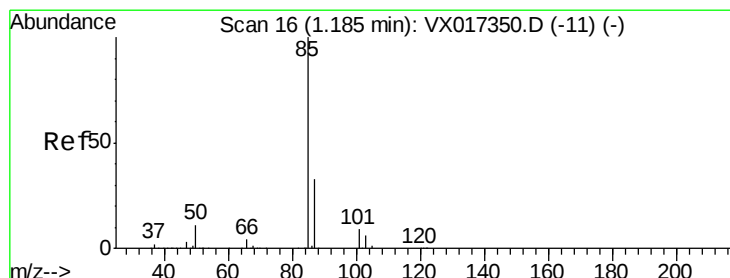
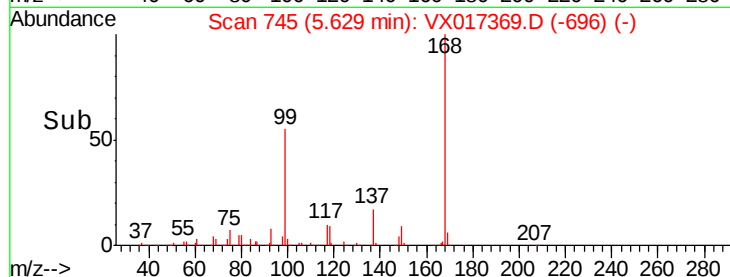
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.695 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017369.D

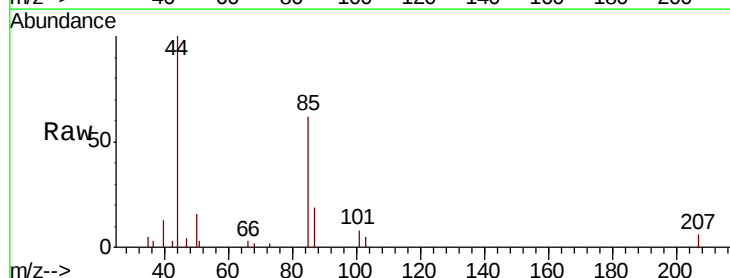
Acq: 14 Jul 2020 11:26

Tgt Ion: 85 Resp: 1743

Ion Ratio Lower Upper

85 100

87 30.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

2000

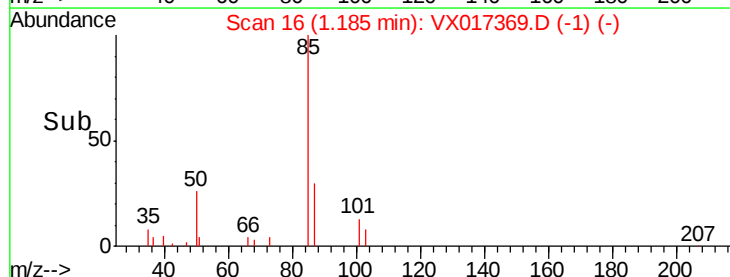
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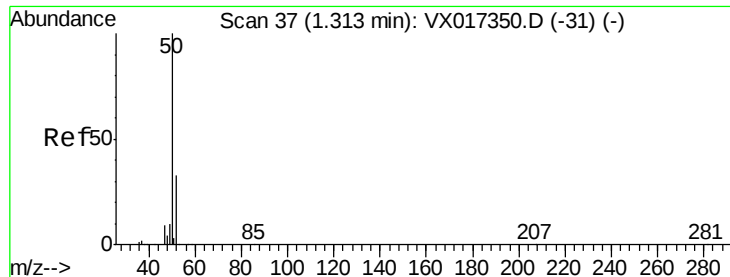
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500

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Time-->

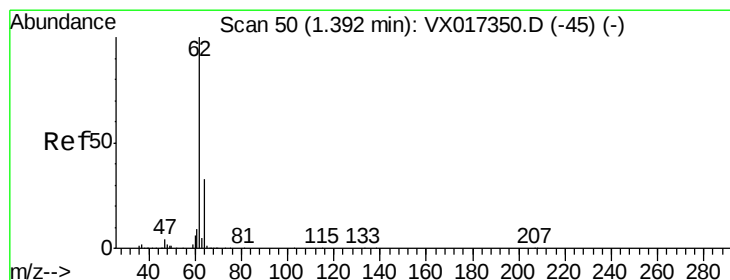
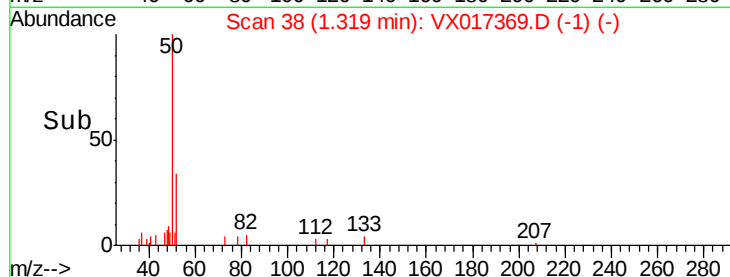
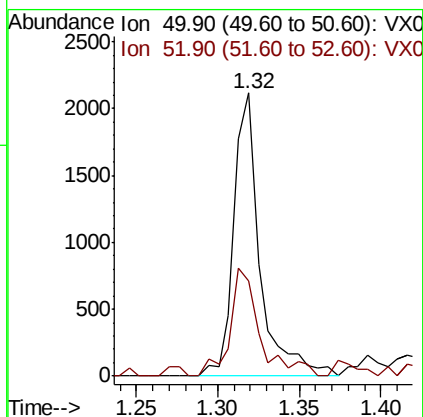
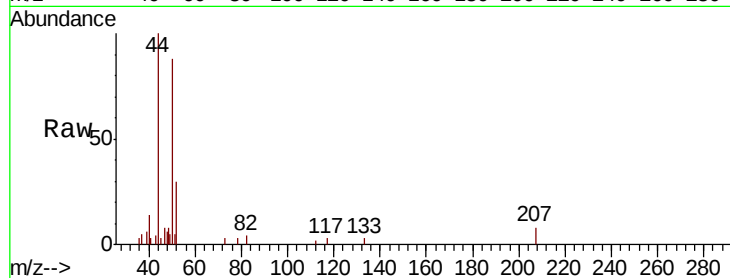




#3
Chloromethane
Concen: 0.836 ug/l
RT: 1.32 min Scan# 38
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

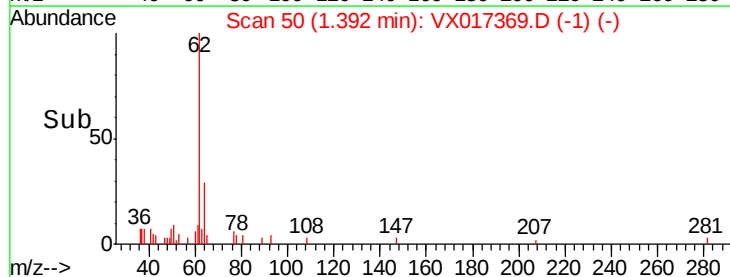
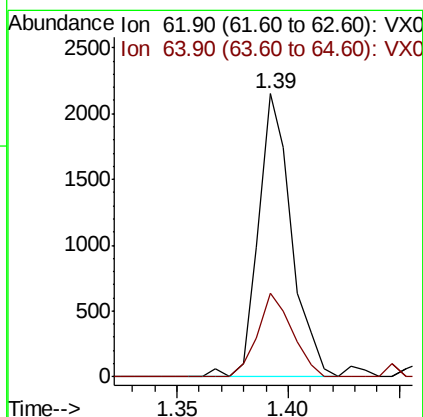
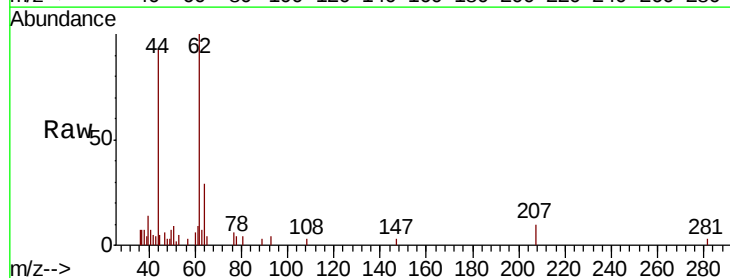
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

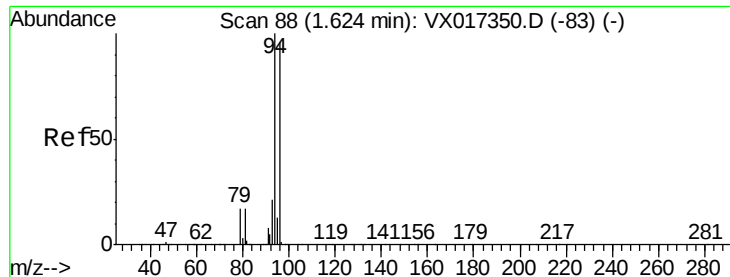
Tot Ion: 50 Resp: 2360
Ion Ratio Lower Upper
50 100
52 33.8 26.7 40.1



#4
Vinyl Chloride
Concen: 0.796 ug/l
RT: 1.39 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 62 Resp: 2222
Ion Ratio Lower Upper
62 100
64 29.3 26.3 39.5





#5

Bromomethane

Concen: 1.123 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

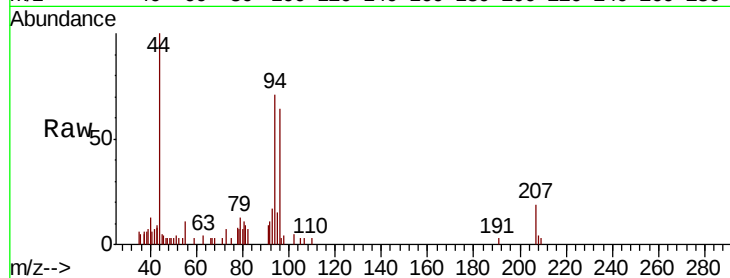
MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 2041

Ion Ratio Lower Upper

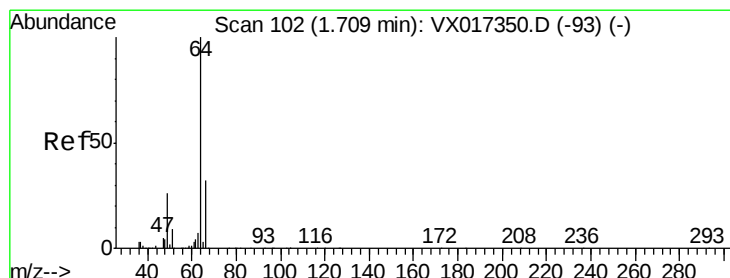
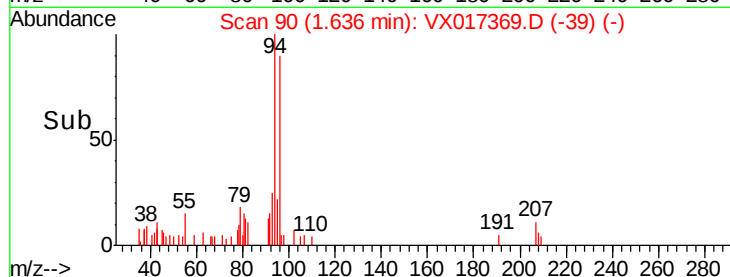
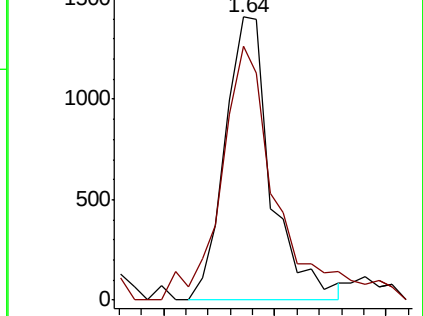
94 100

96 84.7 76.6 115.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.882 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017369.D

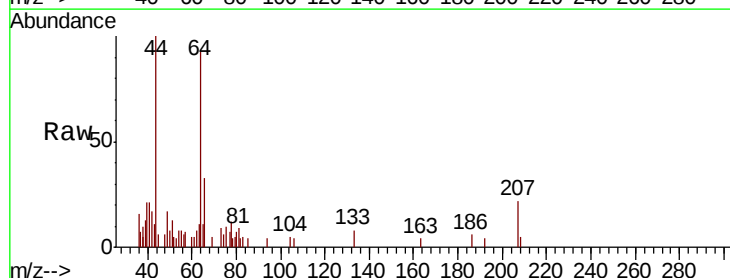
Acq: 14 Jul 2020 11:26

Tgt Ion: 64 Resp: 1555

Ion Ratio Lower Upper

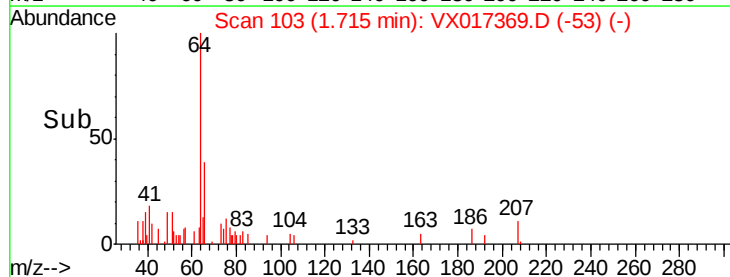
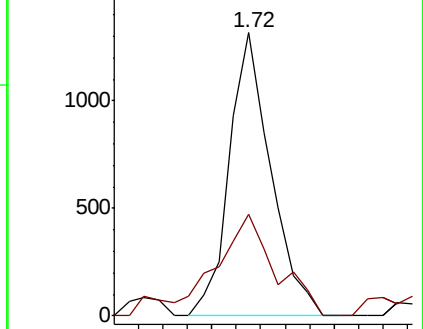
64 100

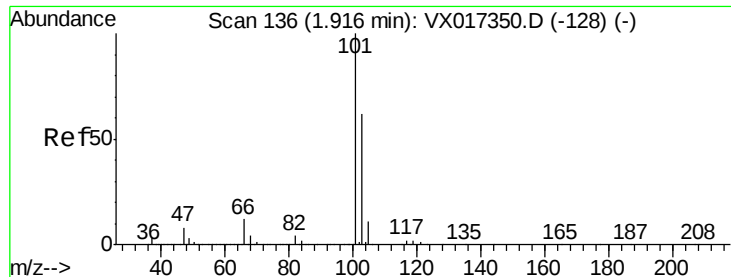
66 36.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



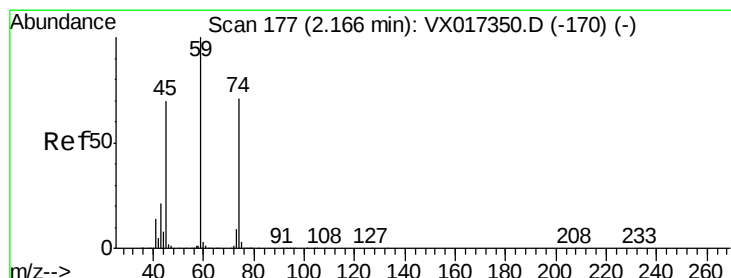
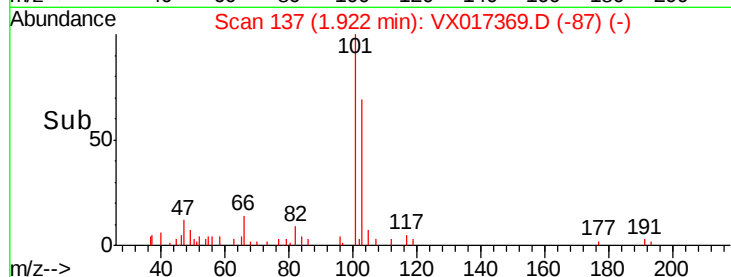
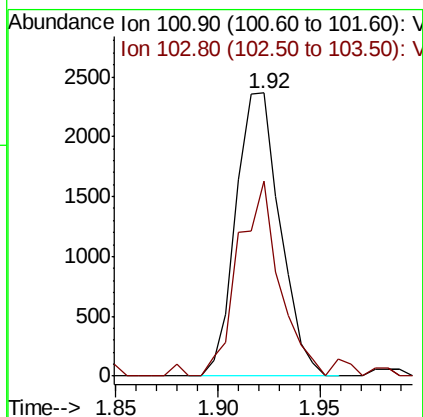
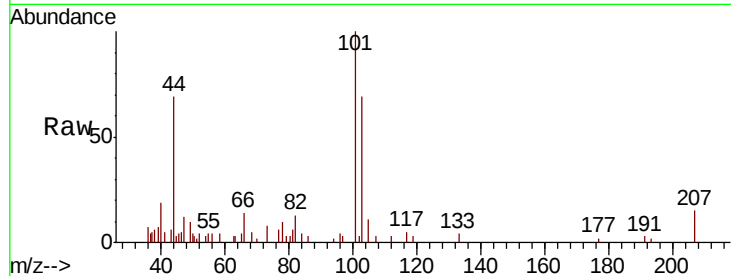


#7

Trichlorofluoromethane
 Concen: 0.756 ug/l
 RT: 1.92 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

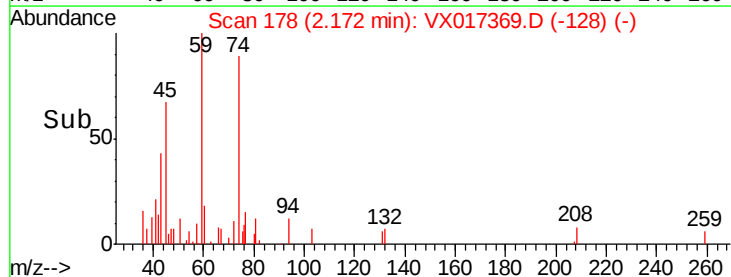
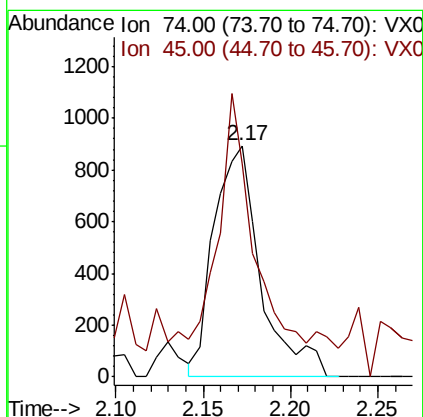
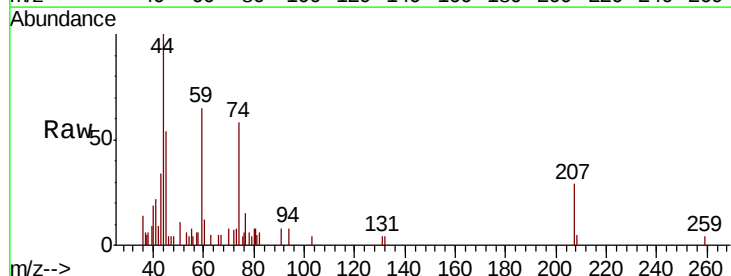
Tot Ion:101 Resp: 3561
 Ion Ratio Lower Upper
 101 100
 103 69.0 49.6 74.4

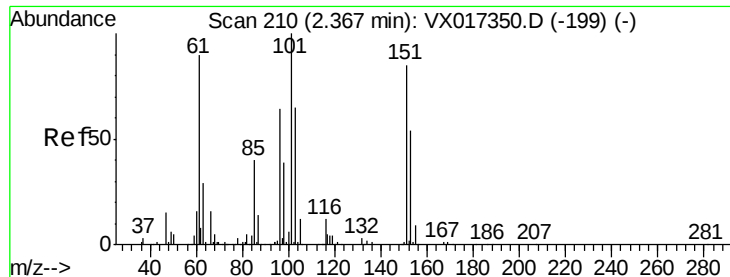


#8

Diethyl Ether
 Concen: 1.001 ug/l
 RT: 2.17 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion: 74 Resp: 1667
 Ion Ratio Lower Upper
 74 100
 45 77.6 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.721 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

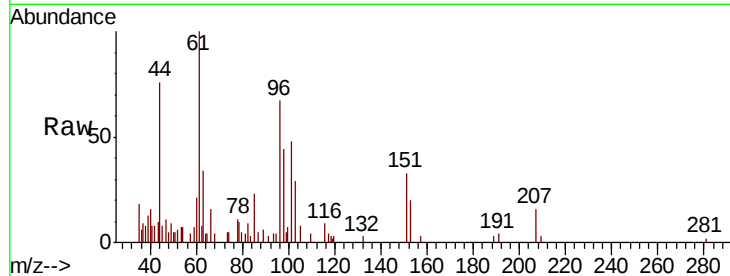
Tot Ion:101 Resp: 1936

Ion Ratio Lower Upper

101 100

85 52.4 33.7 50.5#

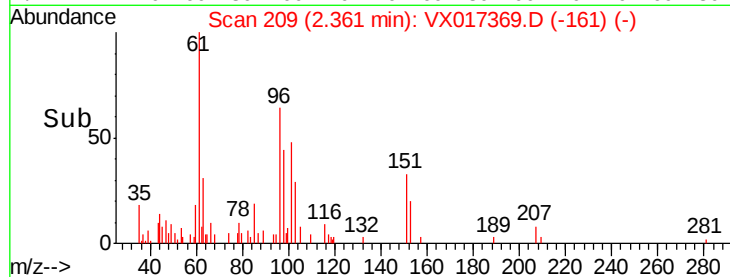
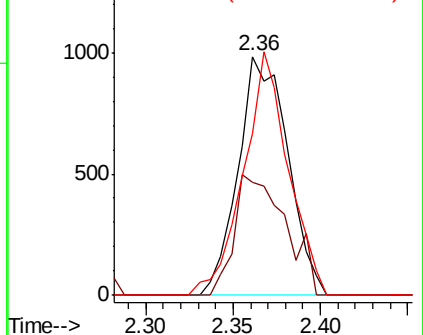
151 92.3 66.4 99.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.585 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

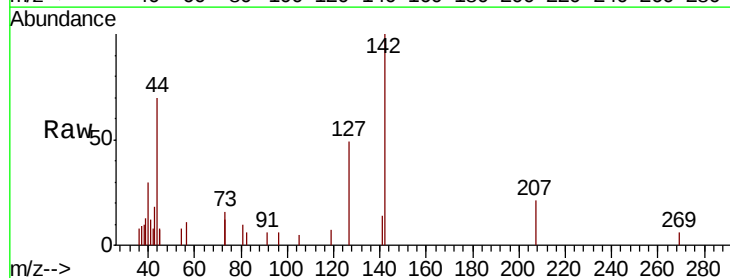
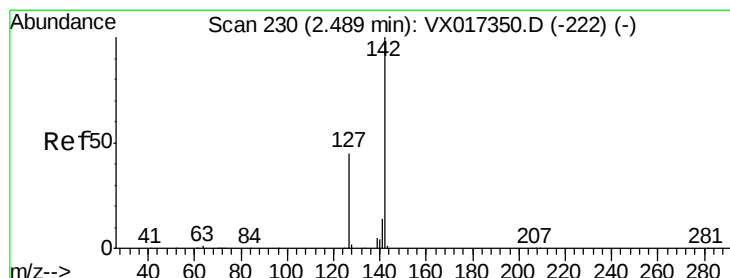
Tgt Ion:142 Resp: 1906

Ion Ratio Lower Upper

142 100

127 52.6 36.8 55.2

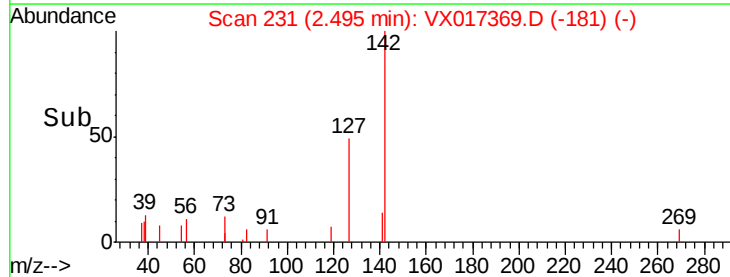
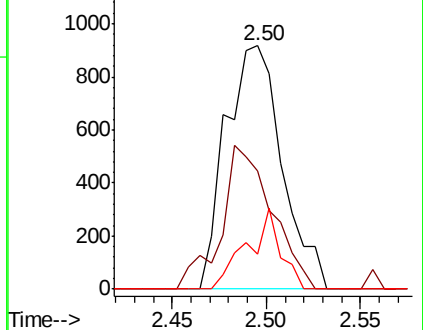
141 19.4 11.4 17.0#

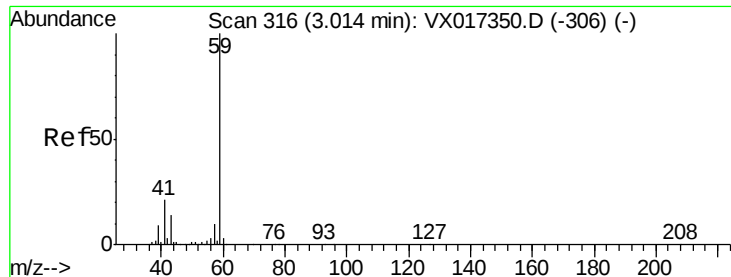


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



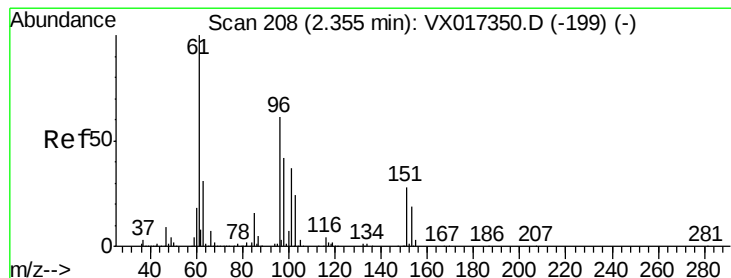
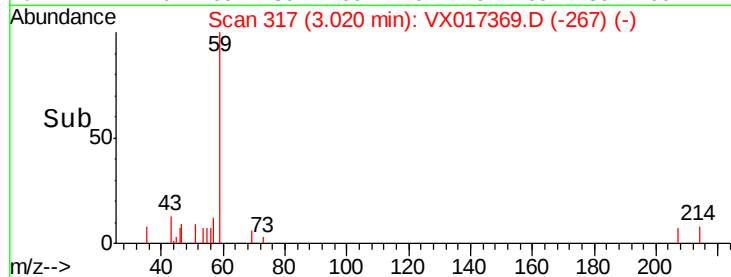
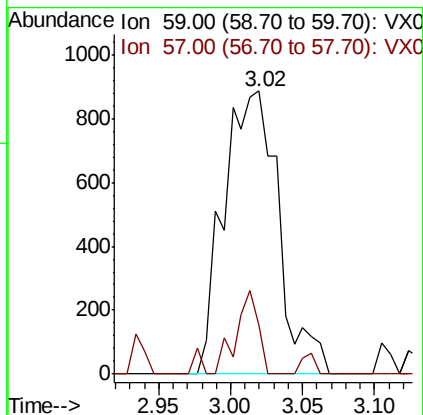
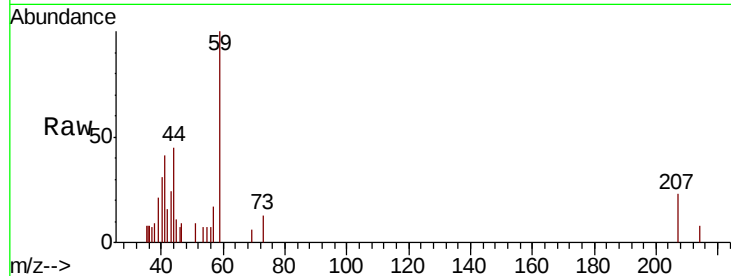


#11

Tert butyl alcohol
Concen: 3.750 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

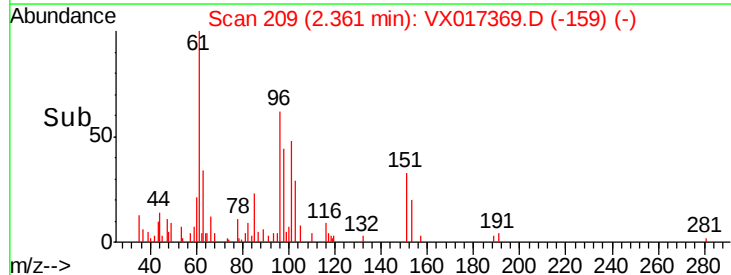
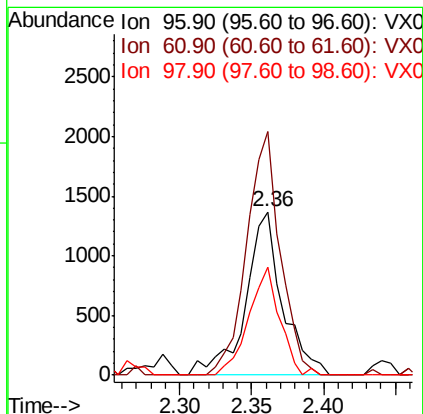
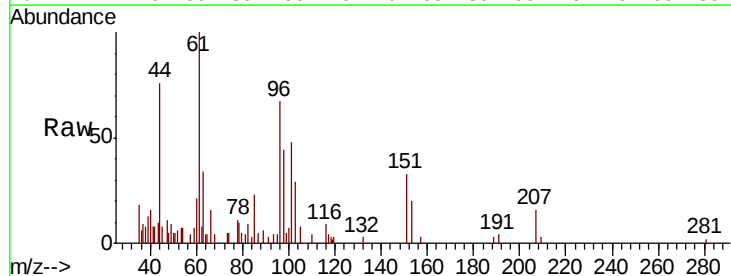
Tot Ion: 59 Resp: 2349
Ion Ratio Lower Upper
59 100
57 11.9 8.3 12.5

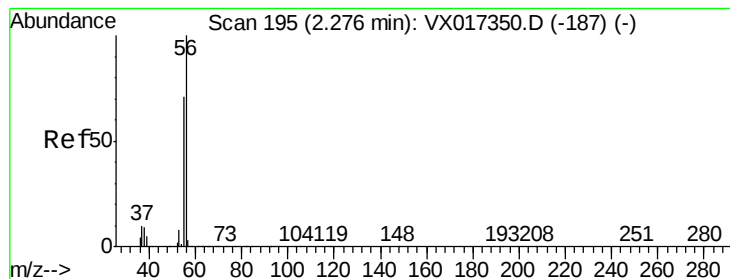


#12

1,1-Dichloroethene
Concen: 0.897 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 96 Resp: 2417
Ion Ratio Lower Upper
96 100
61 149.1 131.5 197.3
98 66.3 55.1 82.7





#13

Acrolein

Concen: 3.768 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

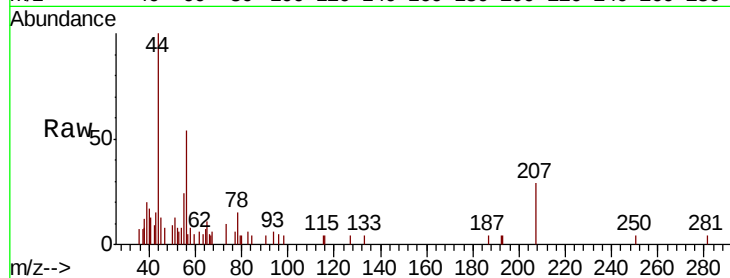
MDL-WATER-03-QT3-2020

Tot Ion: 56 Resp: 1294

Ion Ratio Lower Upper

56 100

55 68.2 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

800

600

400

200

0

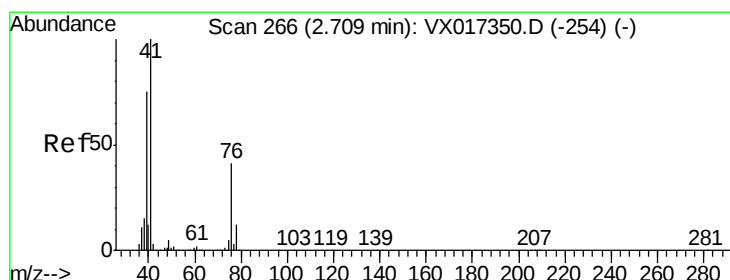
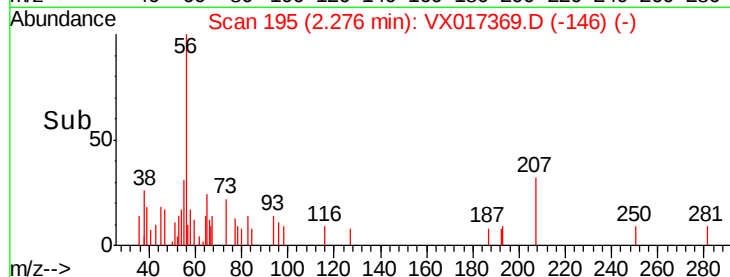
2.20

2.25

2.30

2.35

Time-->



#14

Allyl chloride

Concen: 0.774 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

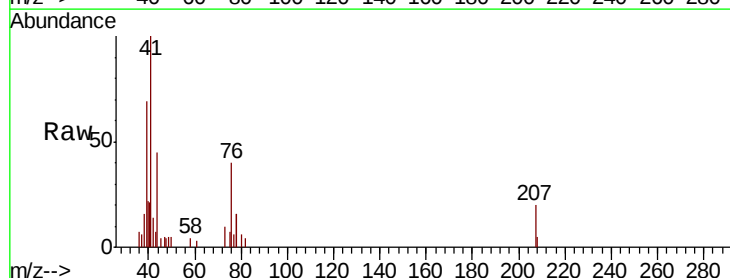
Tgt Ion: 41 Resp: 3615

Ion Ratio Lower Upper

41 100

39 69.9 53.0 79.4

76 36.7 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2000

1500

1000

500

0

2.60

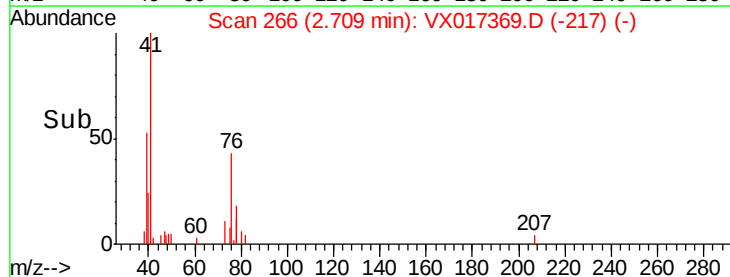
2.65

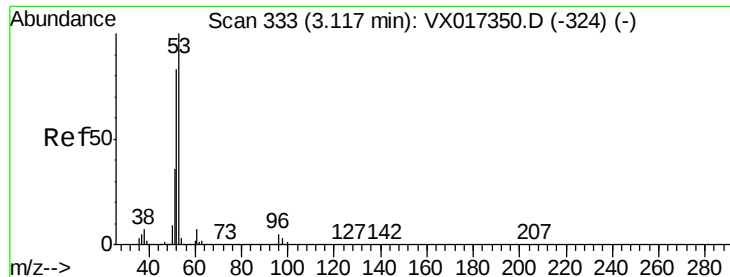
2.70

2.75

2.80

Time-->

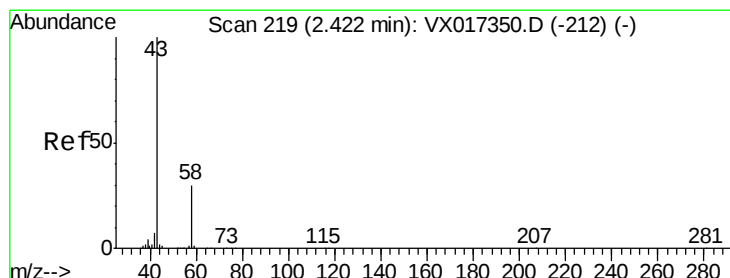
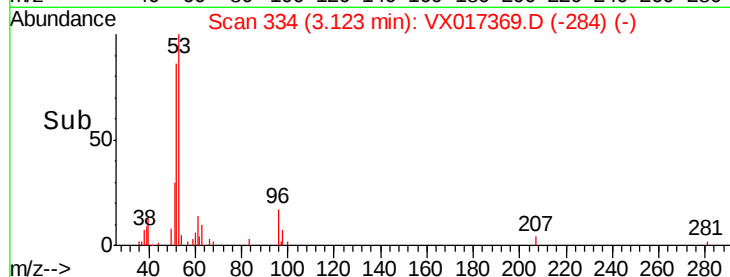
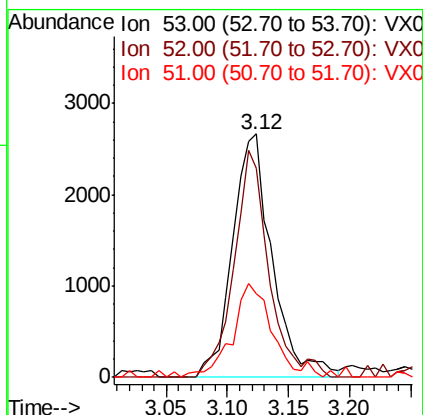
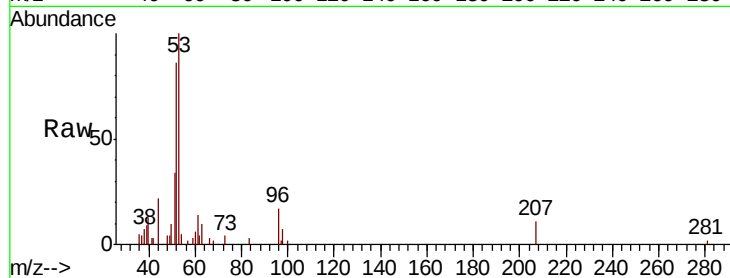




#15
 Acrylonitrile
 Concen: 3.932 ug/l
 RT: 3.12 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

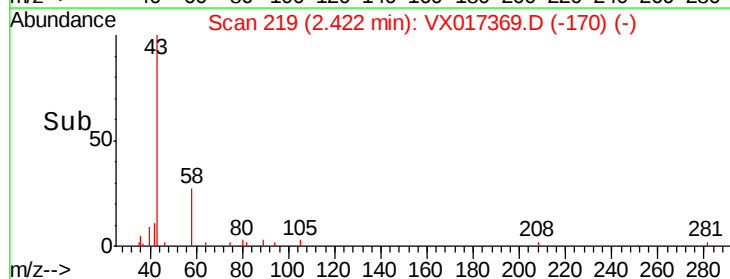
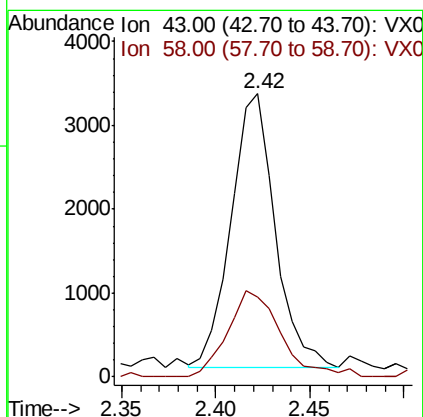
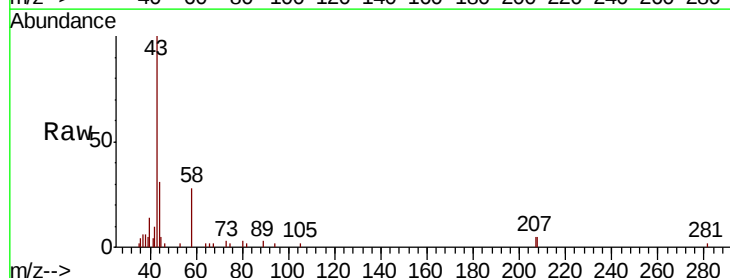
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

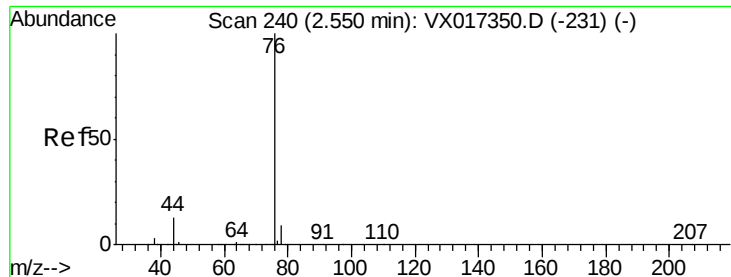
Tot Ion: 53 Resp: 5971
 Ion Ratio Lower Upper
 53 100
 52 82.3 65.8 98.6
 51 37.8 29.2 43.8



#16
 Acetone
 Concen: 4.004 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion: 43 Resp: 5311
 Ion Ratio Lower Upper
 43 100
 58 29.2 24.2 36.2

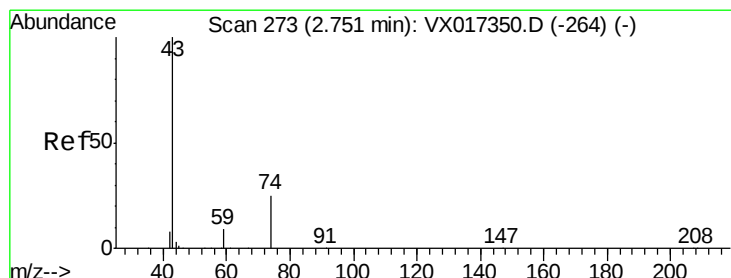
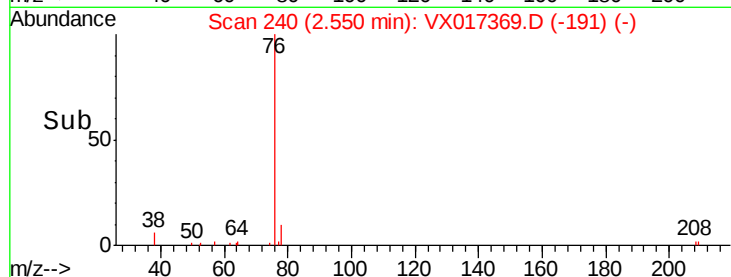
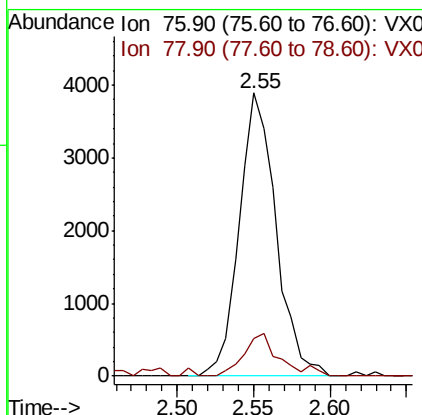
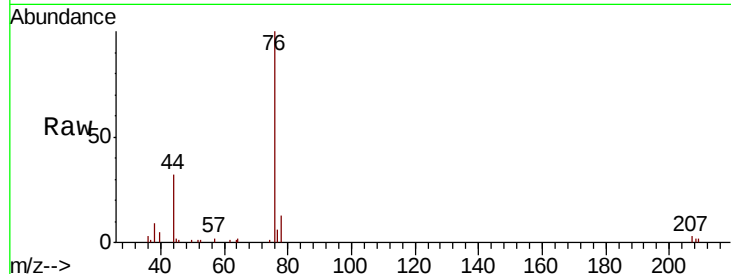




#17
Carbon Disulfide
Concen: 0.825 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

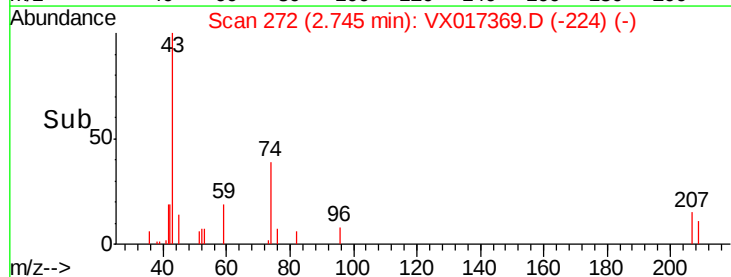
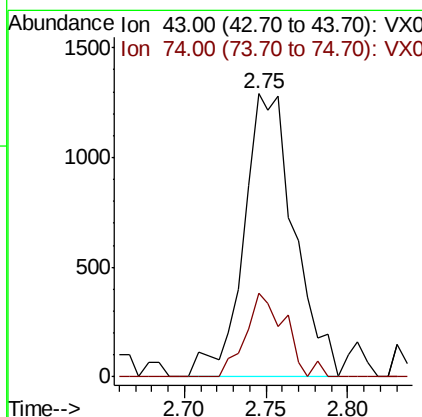
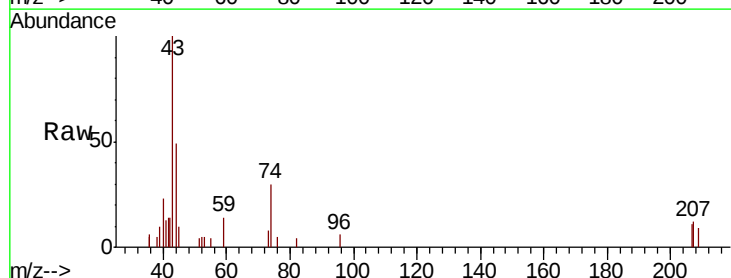
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

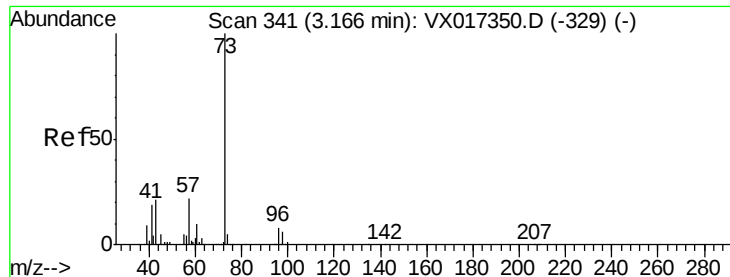
Tot Ion: 76 Resp: 6489
Ion Ratio Lower Upper
76 100
78 13.4 7.3 10.9#



#18
Methyl Acetate
Concen: 0.850 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 43 Resp: 2786
Ion Ratio Lower Upper
43 100
74 22.3 19.4 29.2



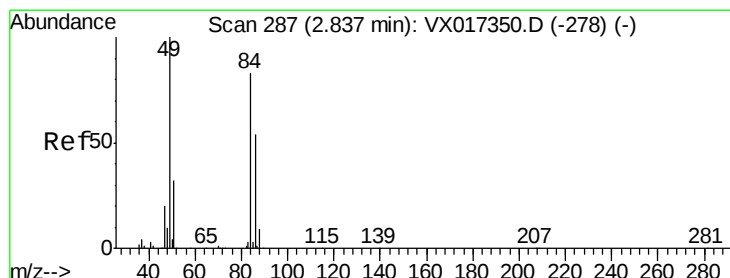
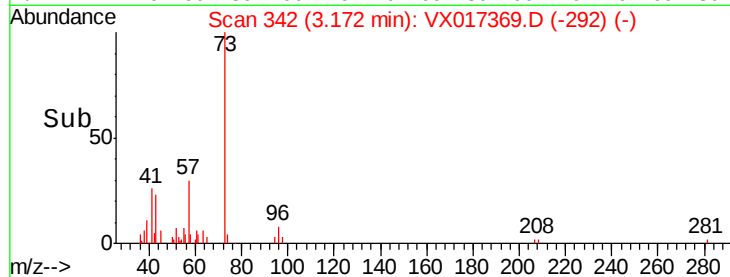
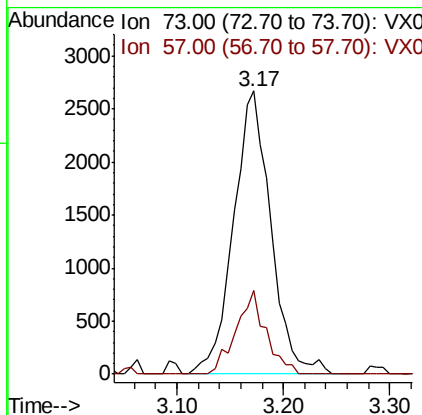
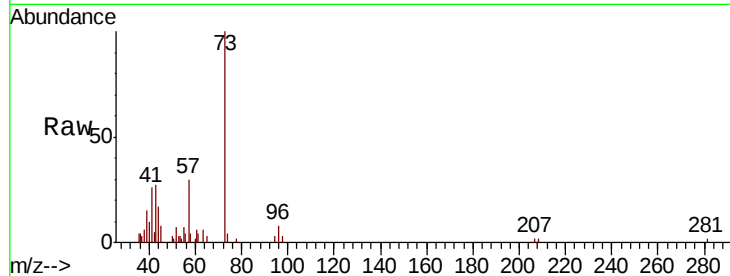


#19

Methyl tert-butyl Ether
 Concen: 0.718 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

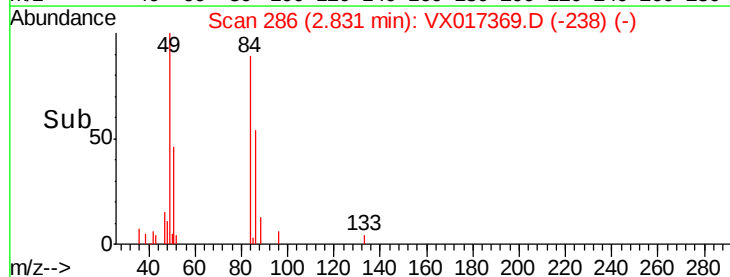
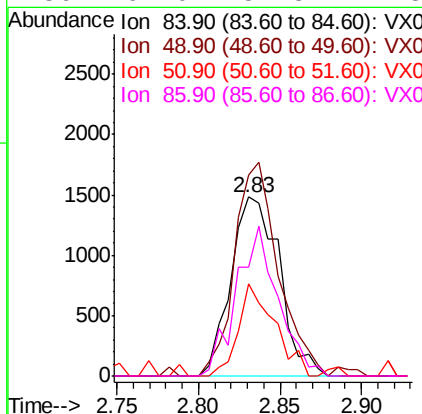
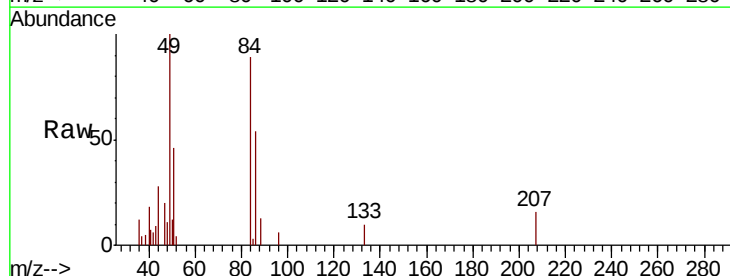
Tot Ion: 73 Resp: 6576
 Ion Ratio Lower Upper
 73 100
 57 29.6 17.5 26.3#

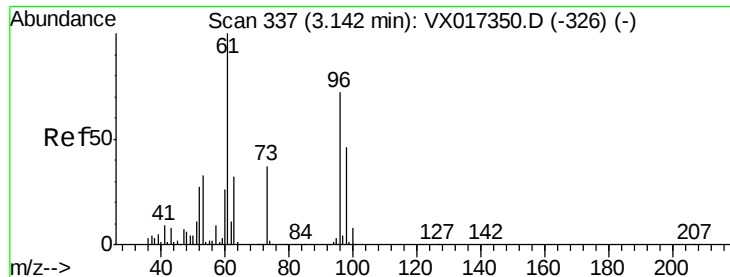


#20

Methylene Chloride
 Concen: 0.946 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion: 84 Resp: 3060
 Ion Ratio Lower Upper
 84 100
 49 112.3 95.8 143.8
 51 51.5 31.0 46.4#
 86 61.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 0.854 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

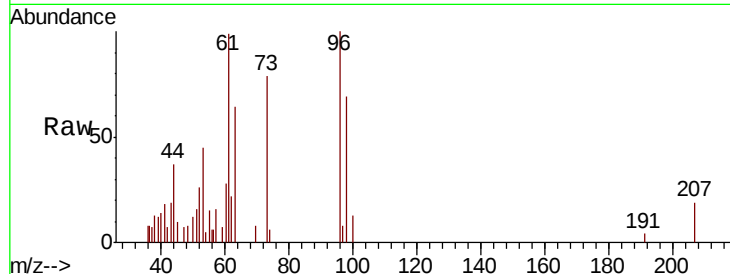
Tot Ion: 96 Resp: 2634

Ion Ratio Lower Upper

96 100

61 99.4 111.1 166.7#

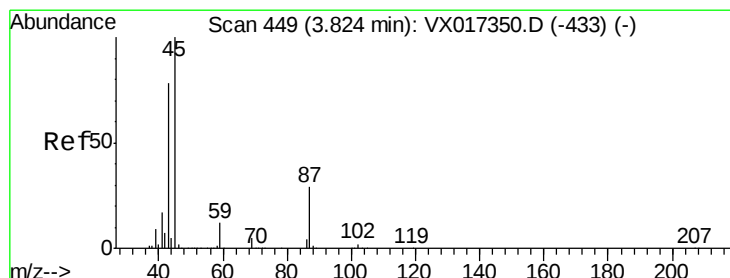
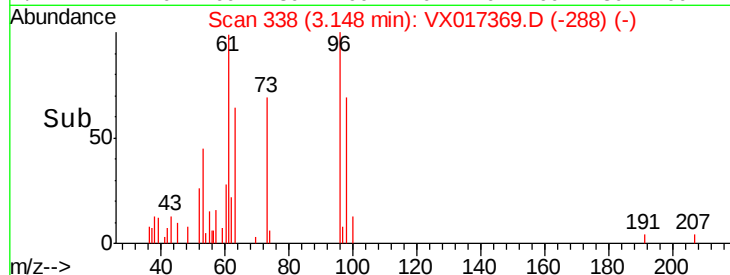
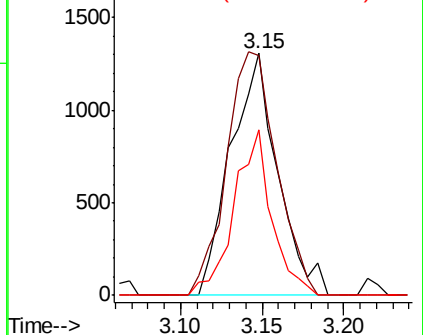
98 68.7 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 0.670 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Tgt Ion: 45 Resp: 5961

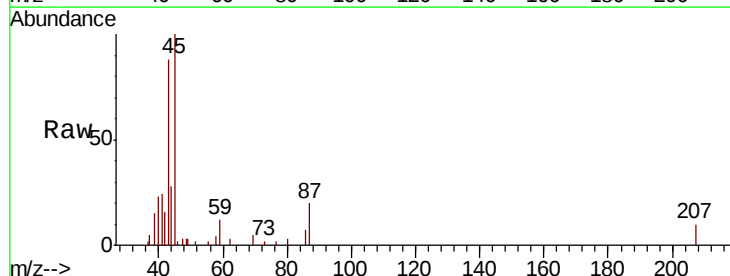
Ion Ratio Lower Upper

45 100

43 81.6 62.2 93.2

87 19.8 23.0 34.6#

59 11.7 9.6 14.4

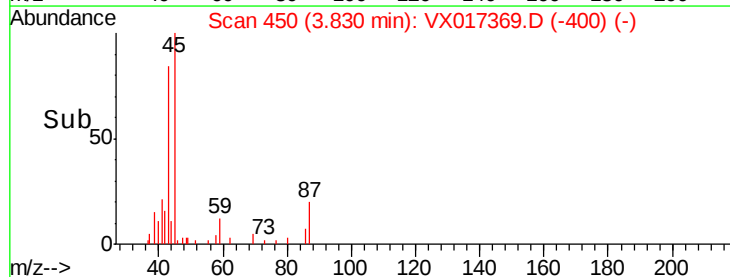
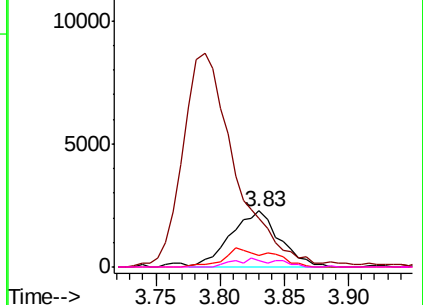


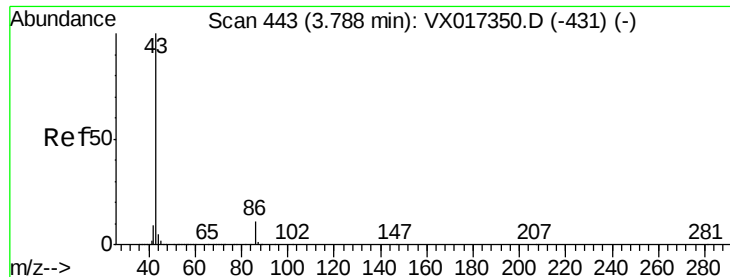
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

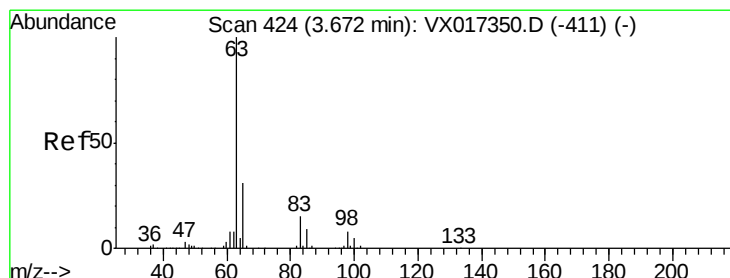
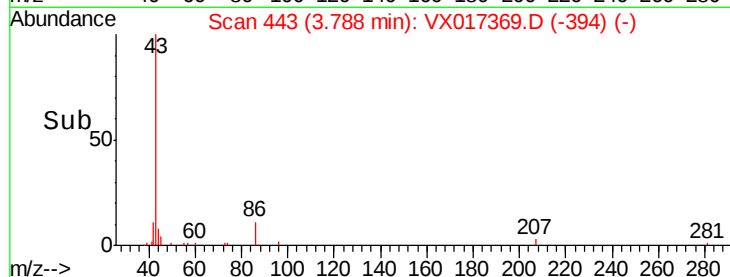
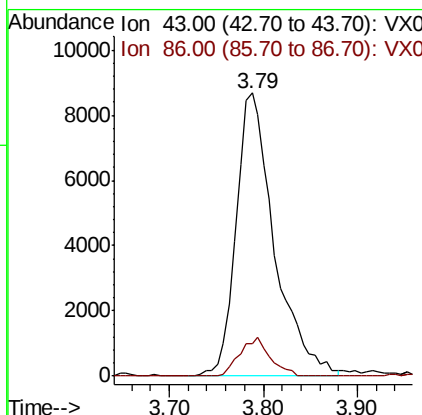
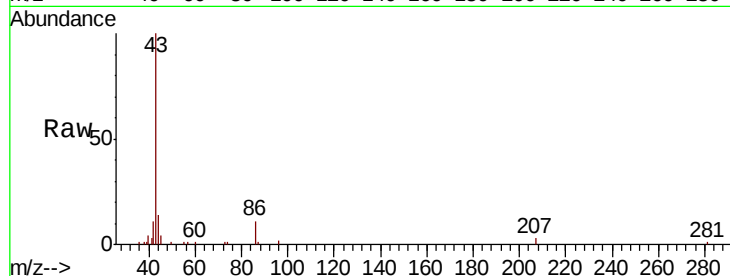




#23
 Vinyl Acetate
 Concen: 3.149 ug/l
 RT: 3.79 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

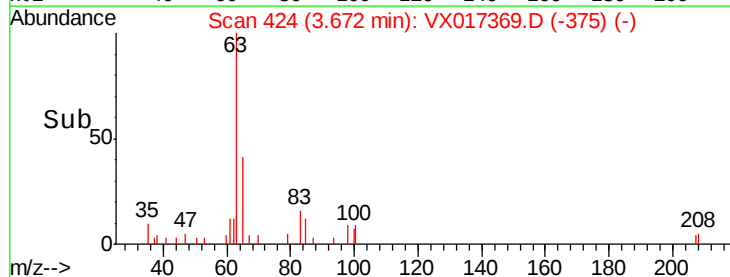
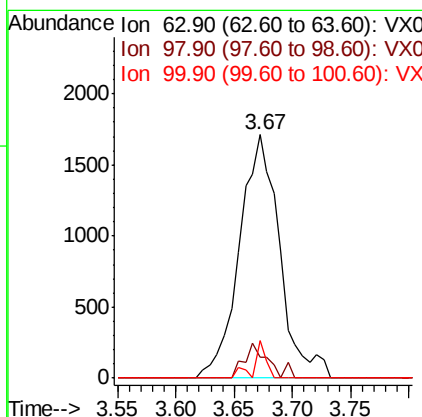
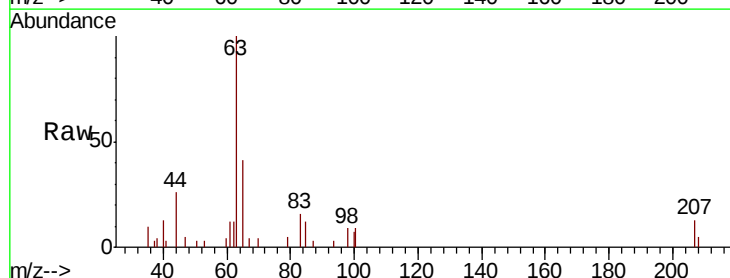
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

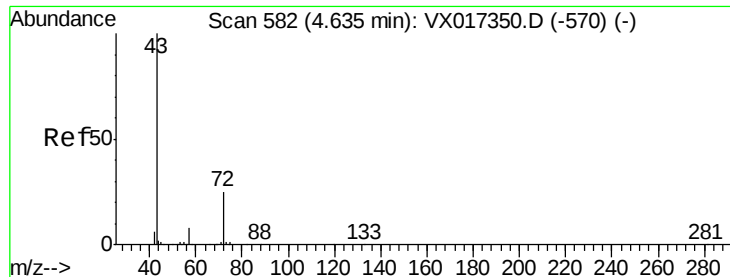
Tot Ion: 43 Resp: 24641
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.0 13.4



#24
 1,1-Dichloroethane
 Concen: 0.789 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion: 63 Resp: 4124
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.9 11.5
 100 15.3 2.5 7.5#





#25

2-Butanone

Concen: 3.802 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

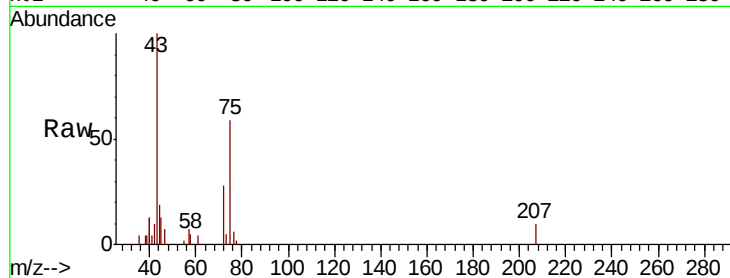
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 8010

Ion Ratio Lower Upper

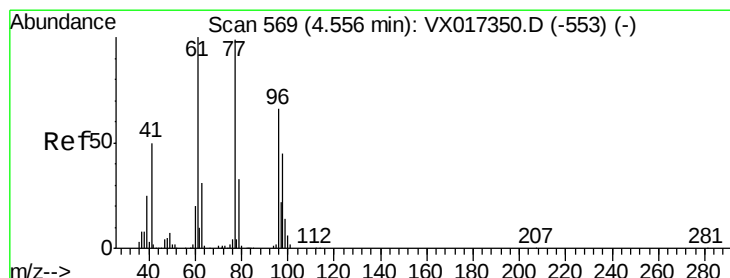
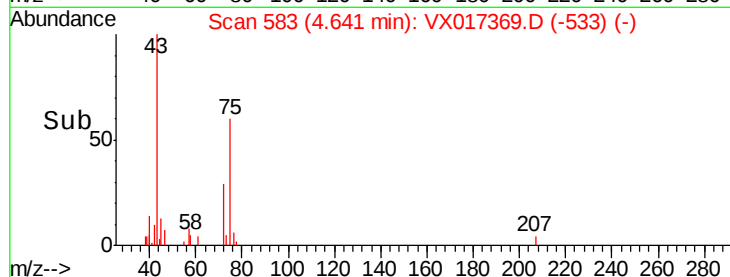
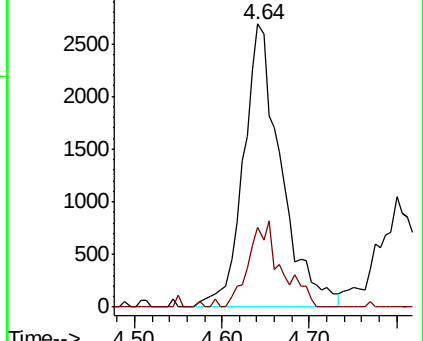
43 100

72 28.0 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.793 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017369.D

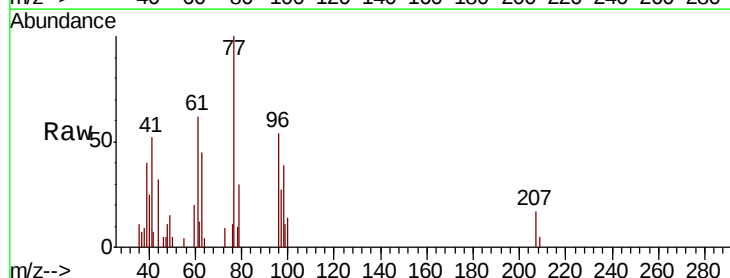
Acq: 14 Jul 2020 11:26

Tgt Ion: 77 Resp: 3861

Ion Ratio Lower Upper

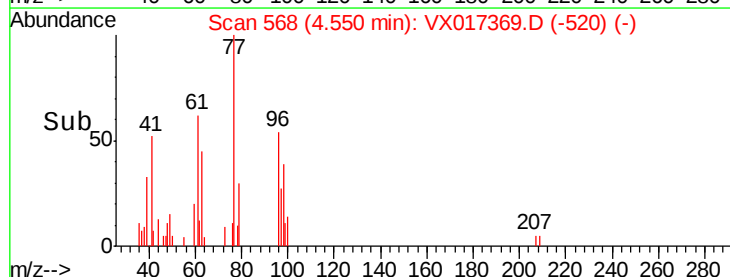
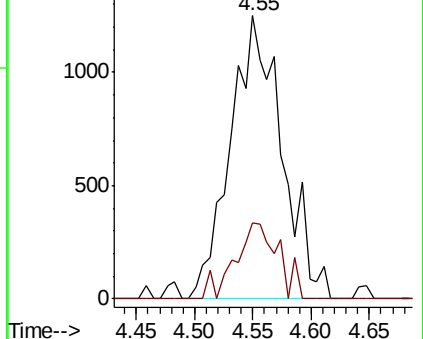
77 100

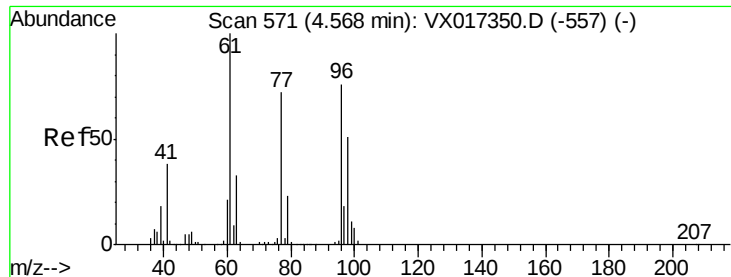
97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



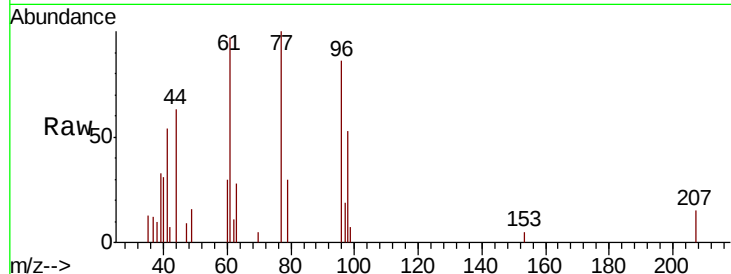


#27

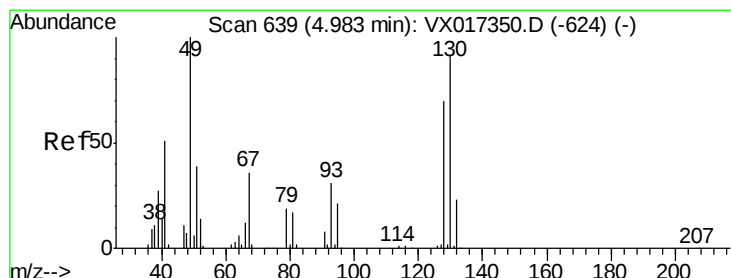
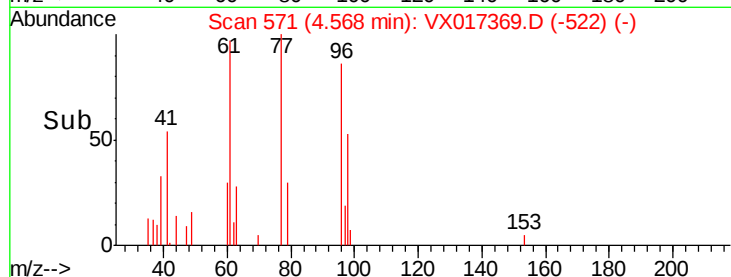
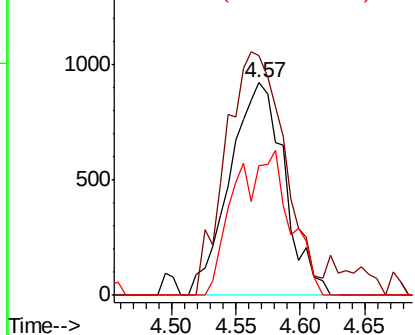
cis-1,2-Dichloroethene
Concen: 0.801 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 96 Resp: 2710
Ion Ratio Lower Upper
96 100
61 123.9 0.0 281.2
98 28.8 0.0 131.4



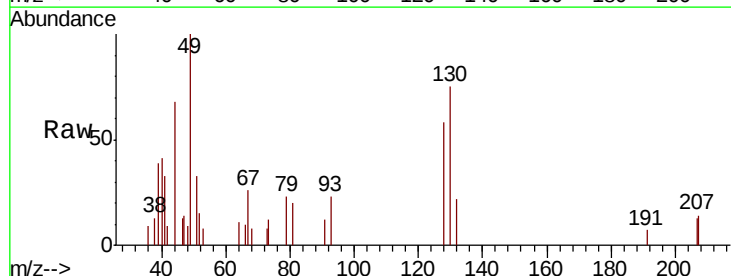
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



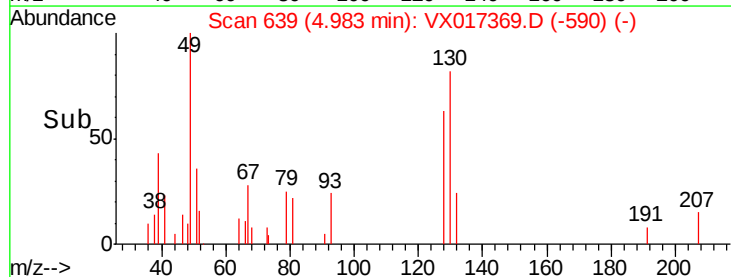
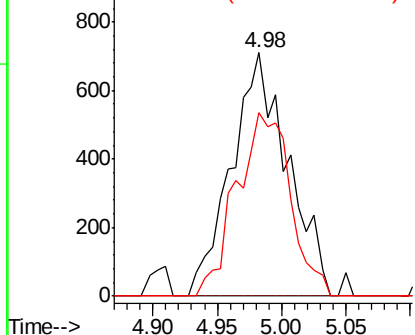
#28

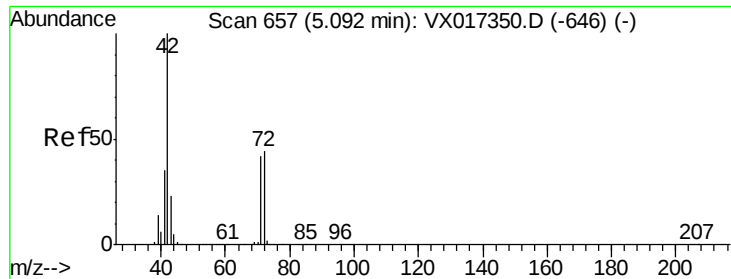
Bromochloromethane
Concen: 0.895 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 49 Resp: 2163
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 71.9 71.1 106.7



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

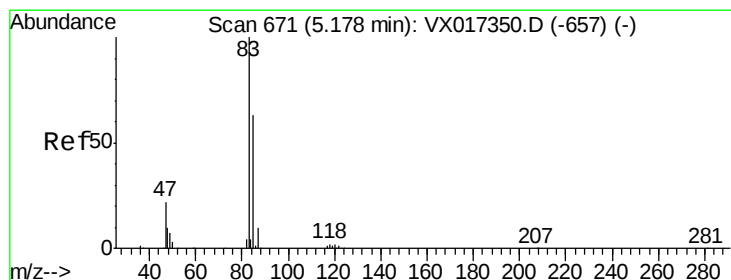
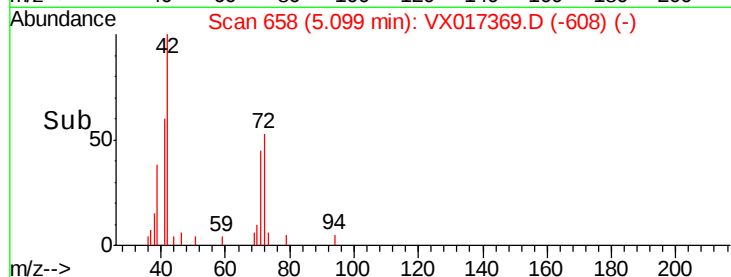
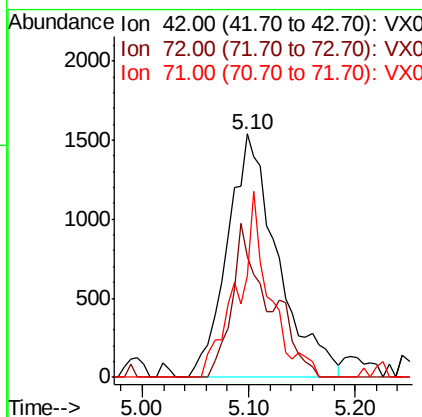
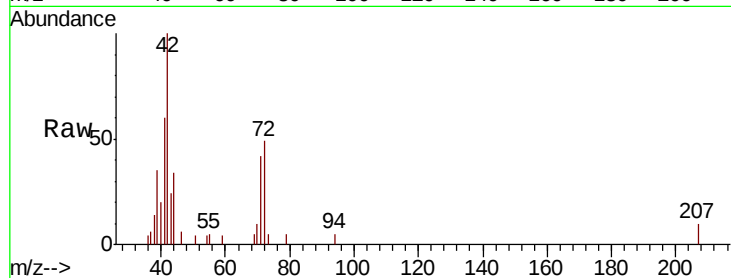




#29
Tetrahydrofuran
Concen: 3.721 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

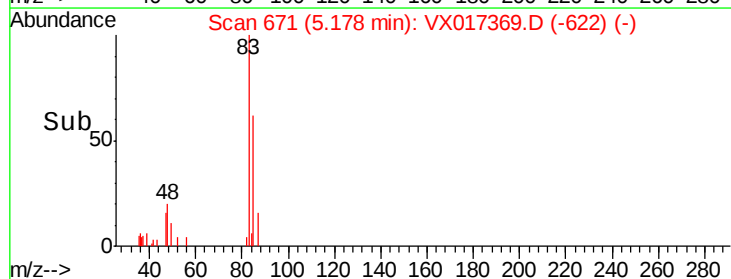
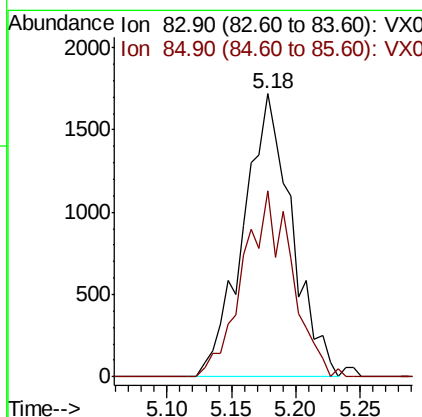
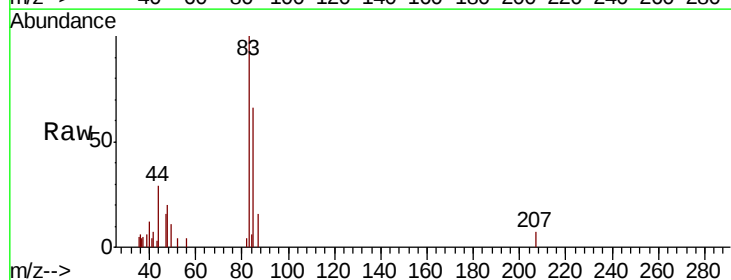
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

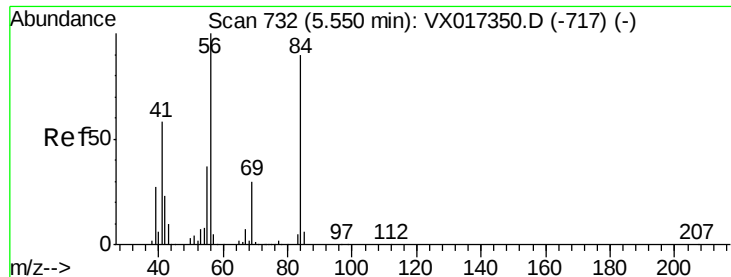
Tot Ion: 42 Resp: 5074
Ion Ratio Lower Upper
42 100
72 36.1 37.2 55.8#
71 46.2 34.4 51.6



#30
Chloroform
Concen: 0.801 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 83 Resp: 4508
Ion Ratio Lower Upper
83 100
85 65.8 50.2 75.4

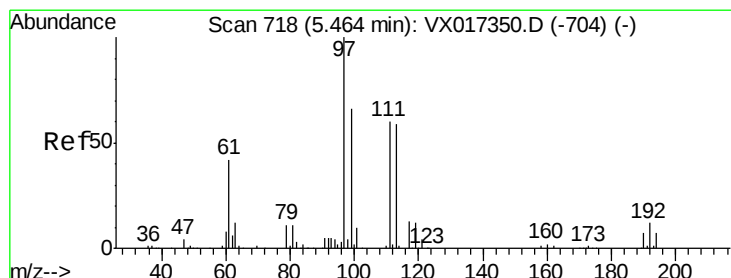
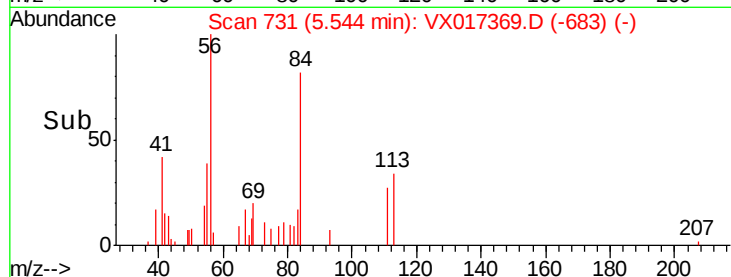
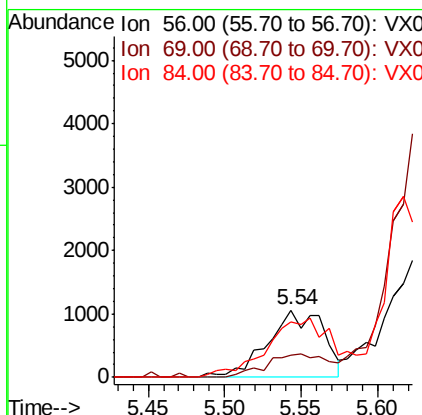
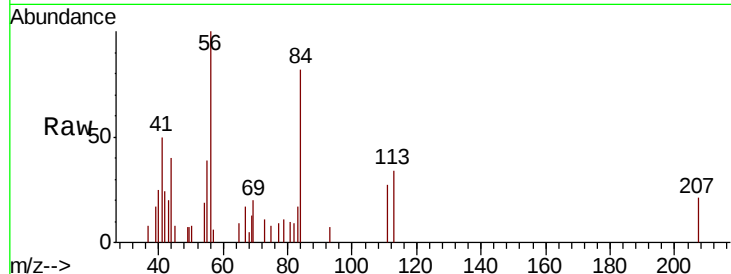




#31
Cvclohexane
Concen: 0.628 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

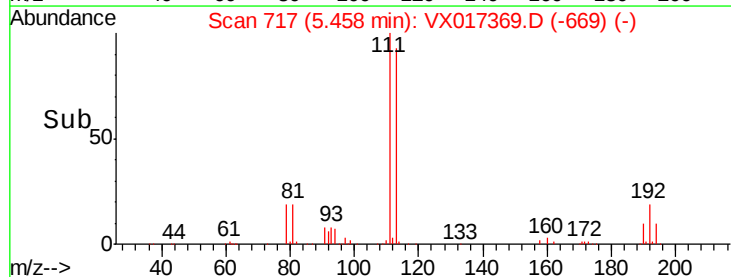
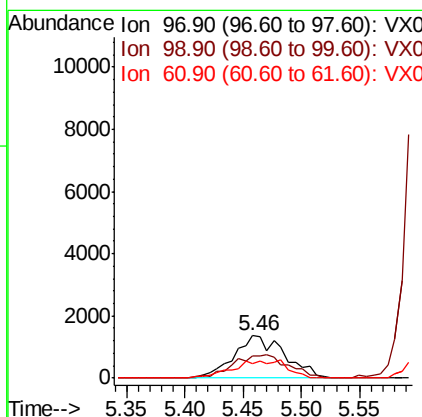
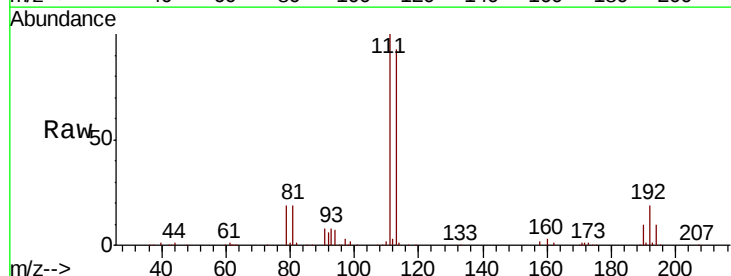
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

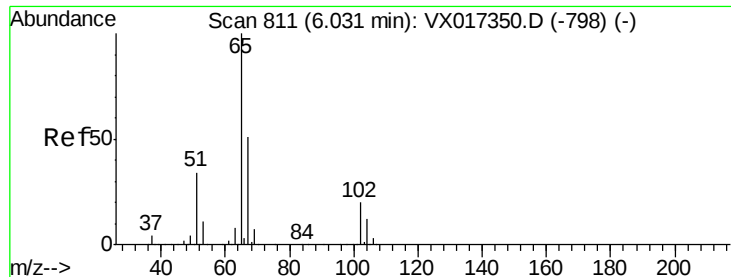
Tot Ion: 56 Resp: 2687
Ion Ratio Lower Upper
56 100
69 32.4 23.7 35.5
84 82.1 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 0.791 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 97 Resp: 4114
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 28.7 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 48.572 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

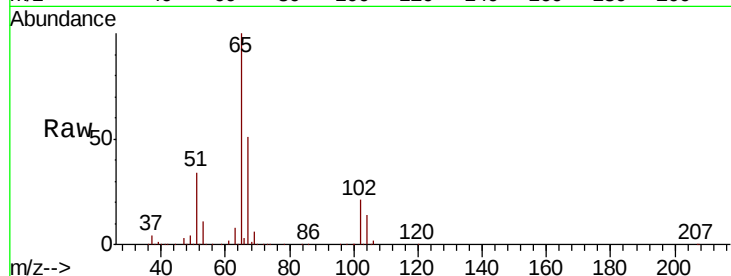
MDL-WATER-03-QT3-2020

Tot Ion: 65 Resp: 180589

Ion Ratio Lower Upper

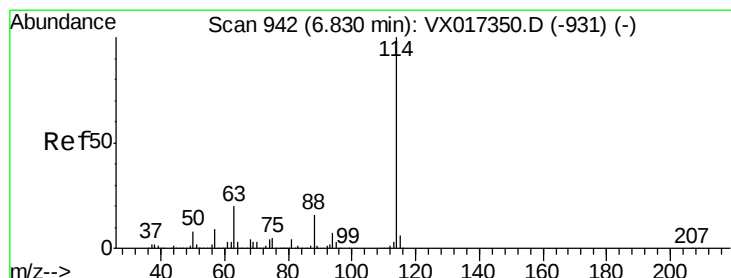
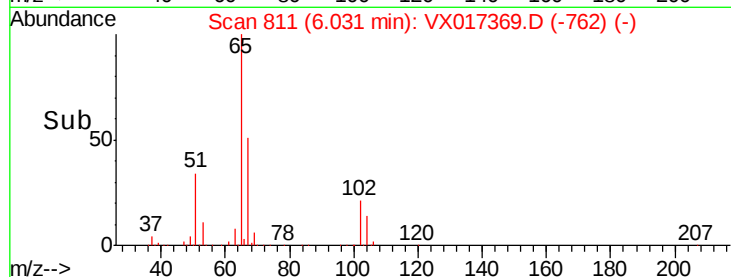
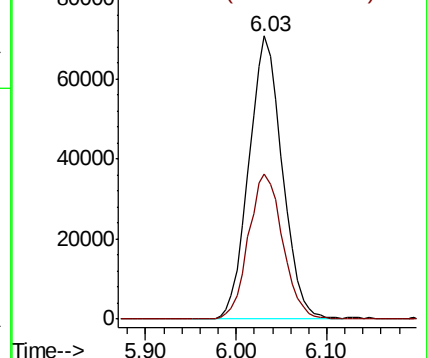
65 100

67 52.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

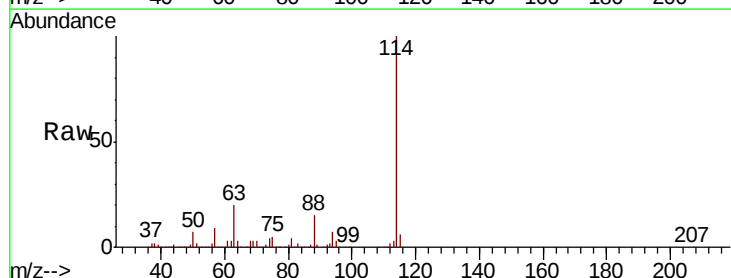
Tgt Ion: 114 Resp: 454870

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

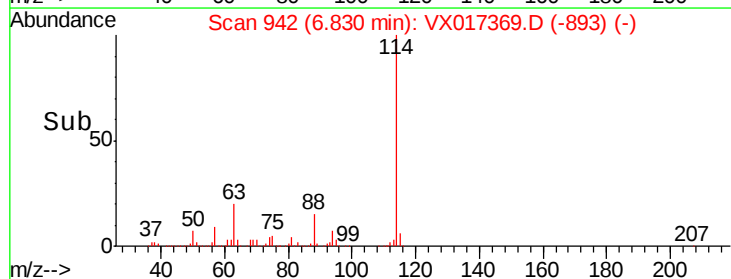
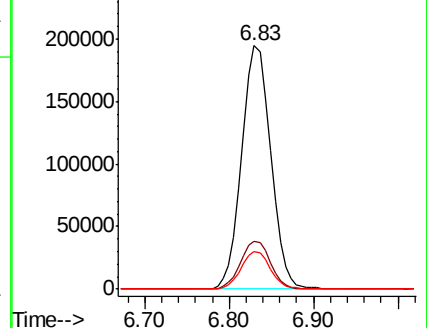
88 15.2 0.0 32.8

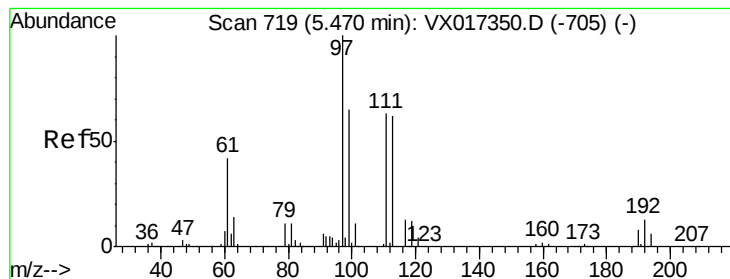


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.848 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

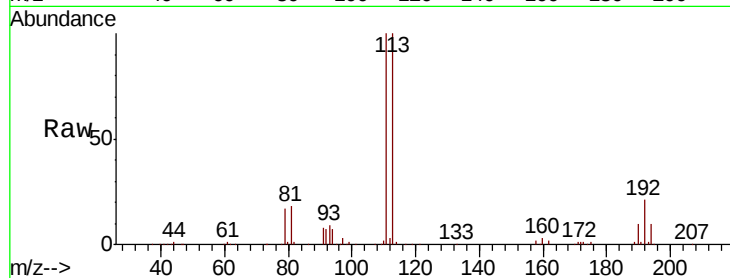
Tot Ion:113 Resp: 146609

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

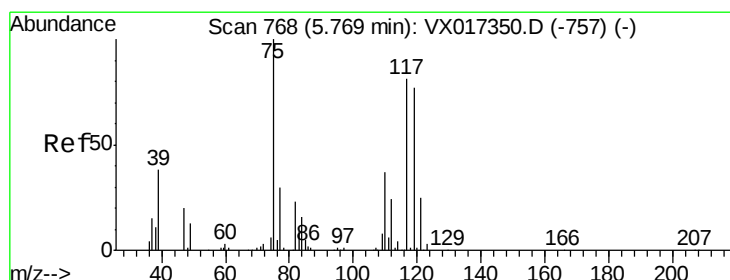
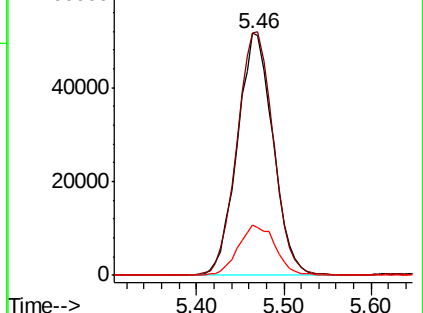
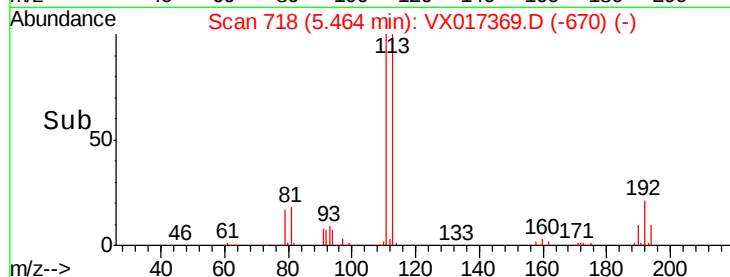
192 21.5 17.2 25.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.818 ug/l

RT: 5.78 min Scan# 770

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

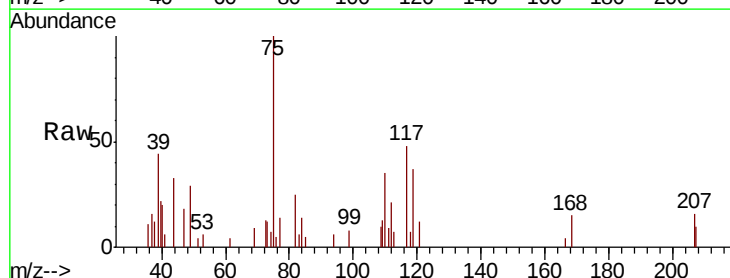
Tgt Ion: 75 Resp: 3422

Ion Ratio Lower Upper

75 100

110 0.0 18.6 55.8#

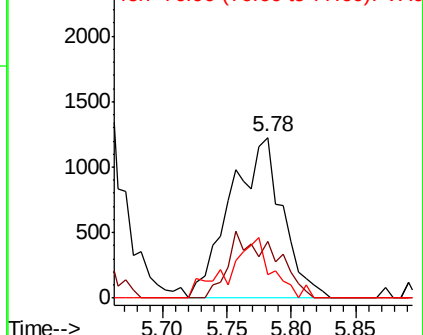
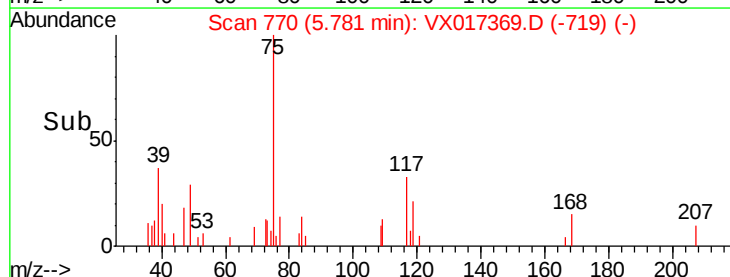
77 31.7 24.9 37.3

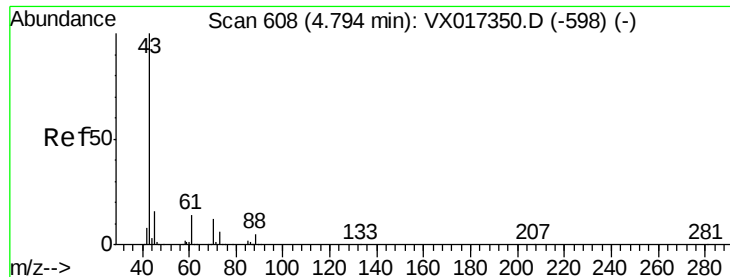


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

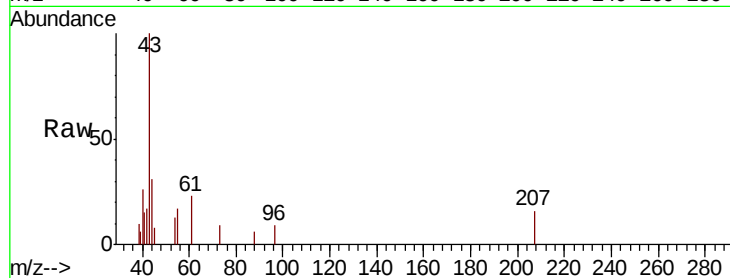




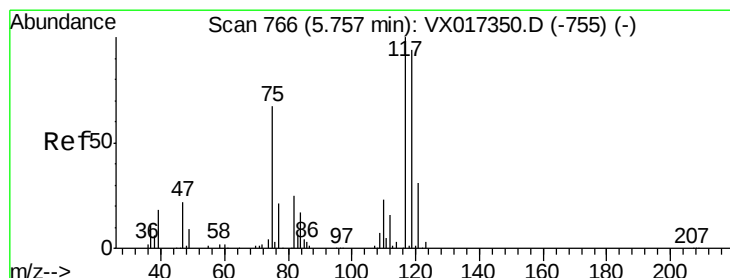
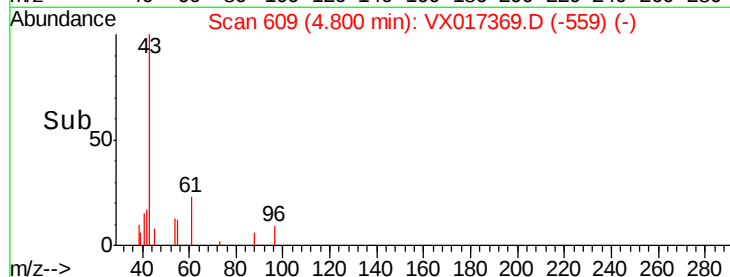
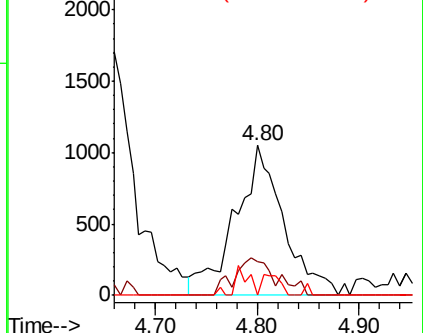
#37
Ethyl Acetate
Concen: 0.795 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 3438
Ion Ratio Lower Upper
43 100
61 22.0 10.7 16.1#
70 5.4 9.0 13.6#

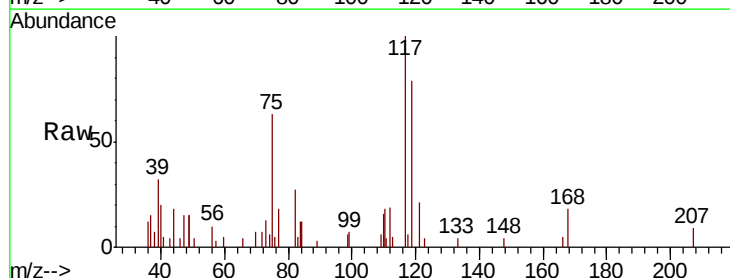


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

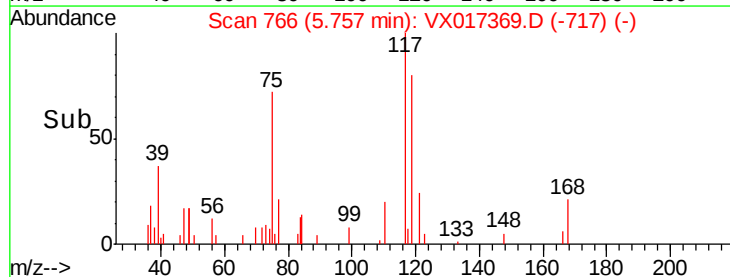
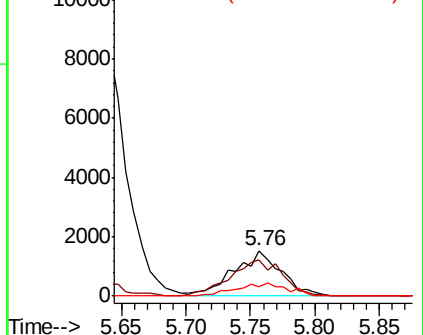


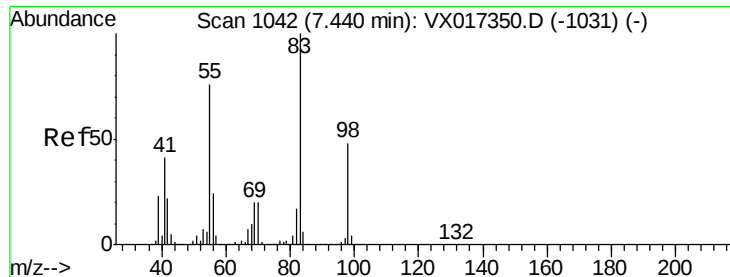
#38
Carbon Tetrachloride
Concen: 0.796 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 117 Resp: 3901
Ion Ratio Lower Upper
117 100
119 78.8 74.7 112.1
121 21.5 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

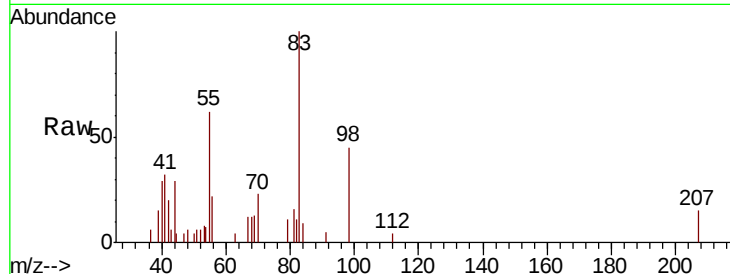




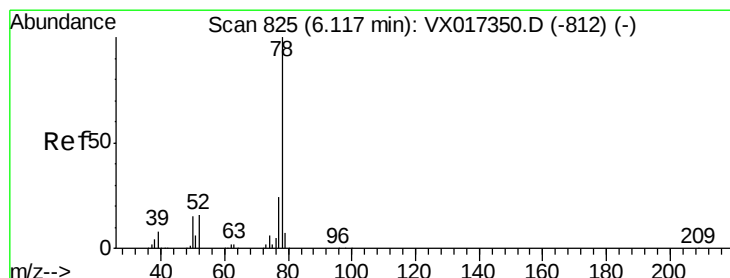
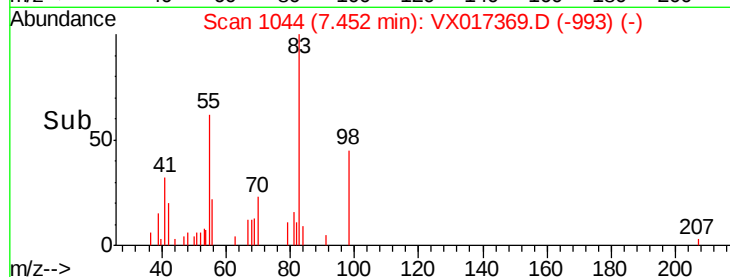
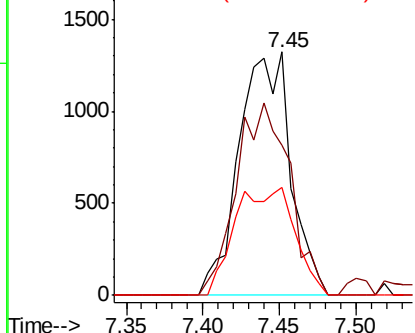
#39
Methvlcvclohexane
Concen: 0.685 ug/l
RT: 7.45 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 83 Resp: 3114
Ion Ratio Lower Upper
83 100
55 61.8 61.2 91.8
98 44.5 38.1 57.1

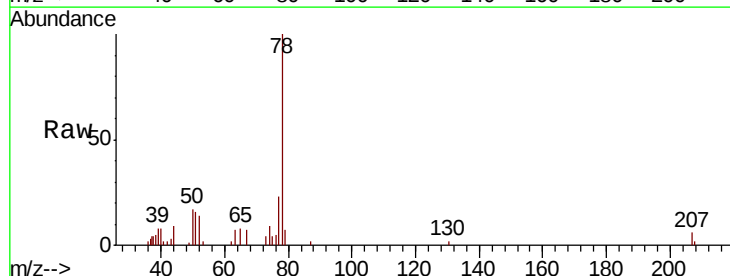


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

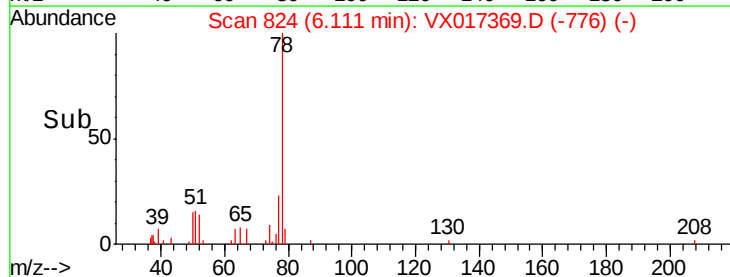
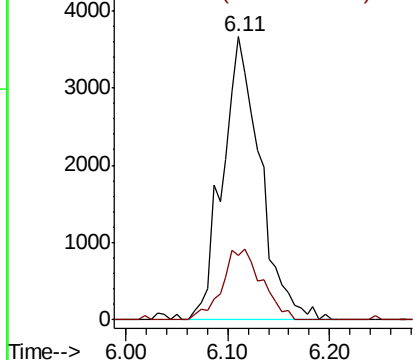


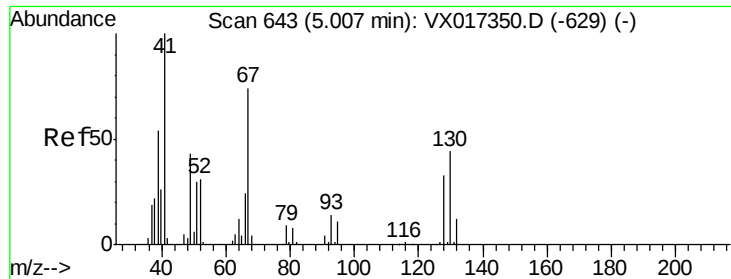
#40
Benzene
Concen: 0.781 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 78 Resp: 9396
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

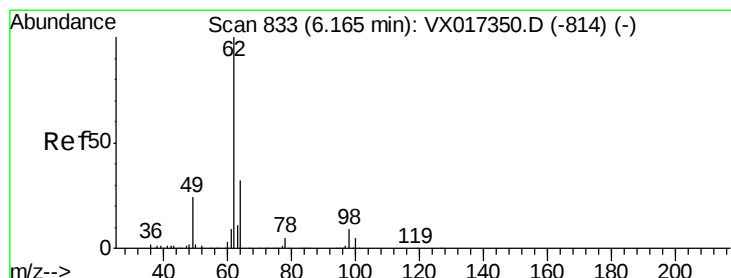
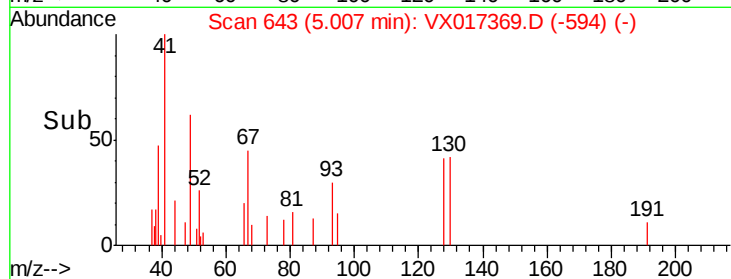
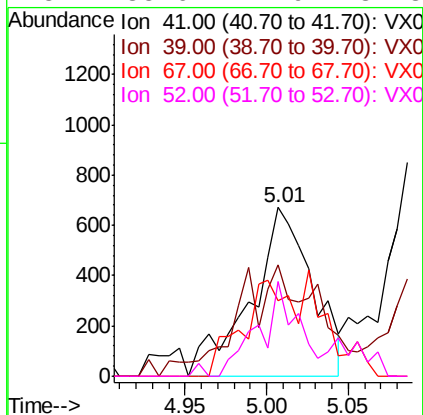
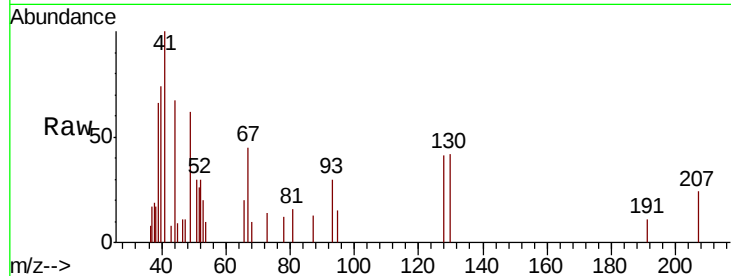




#41
Methacrylonitrile
Concen: 0.749 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

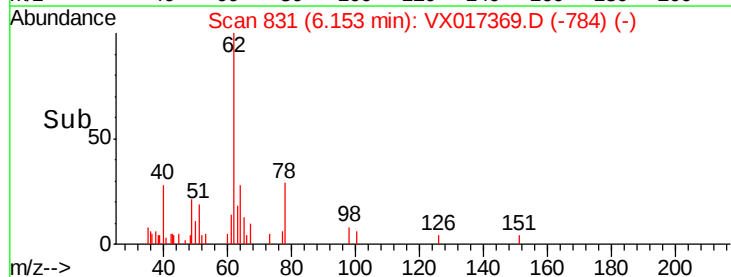
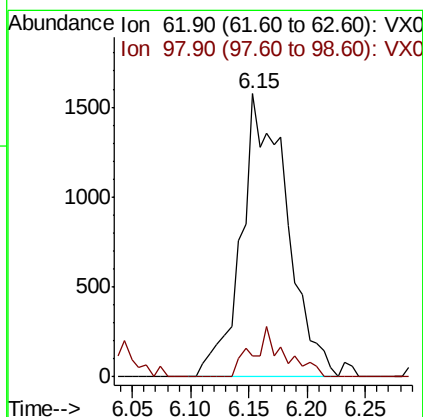
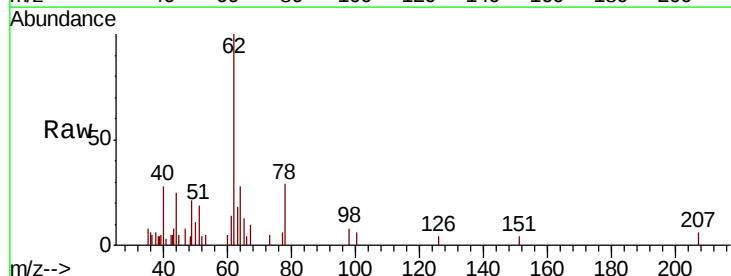
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

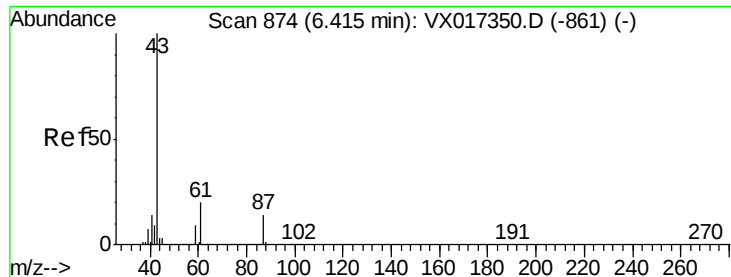
Tot Ion: 41 Resp: 1740
Ion Ratio Lower Upper
41 100
39 12.9 43.8 65.8#
67 46.6 58.7 88.1#
52 35.6 24.9 37.3



#42
1,2-Dichloroethane
Concen: 0.920 ug/l
RT: 6.15 min Scan# 831
Delta R.T. -0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 62 Resp: 4297
Ion Ratio Lower Upper
62 100
98 12.5 0.0 19.4





#43

Isopropyl Acetate

Concen: 0.777 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

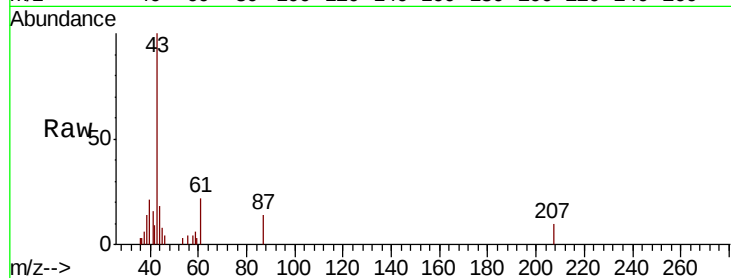
Tot Ion: 43 Resp: 5370

Ion Ratio Lower Upper

43 100

61 21.2 16.4 24.6

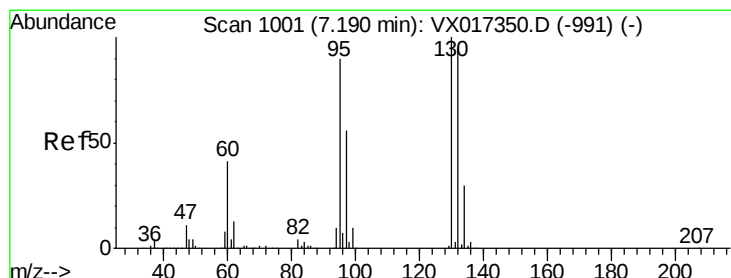
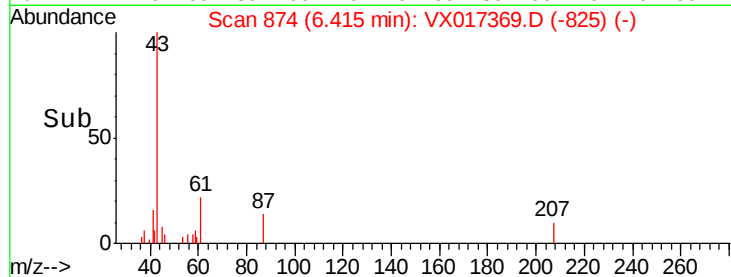
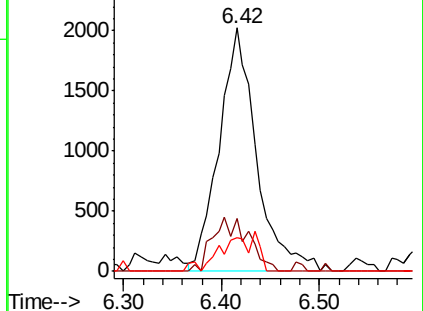
87 10.2 11.2 16.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.778 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017369.D

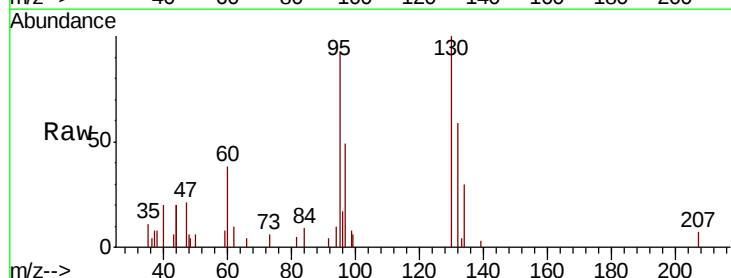
Acq: 14 Jul 2020 11:26

Tgt Ion: 130 Resp: 2859

Ion Ratio Lower Upper

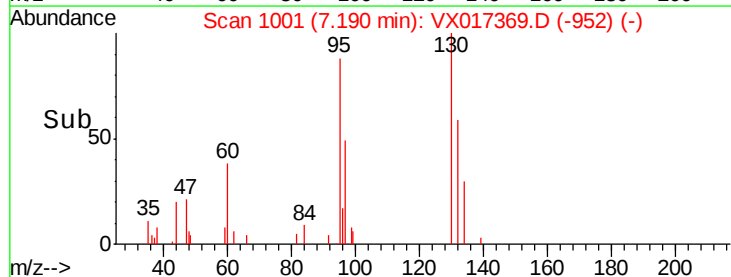
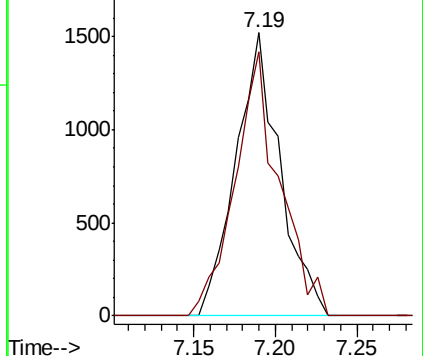
130 100

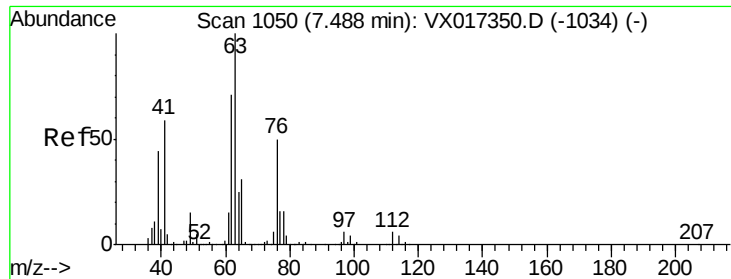
95 93.4 0.0 180.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 0.816 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

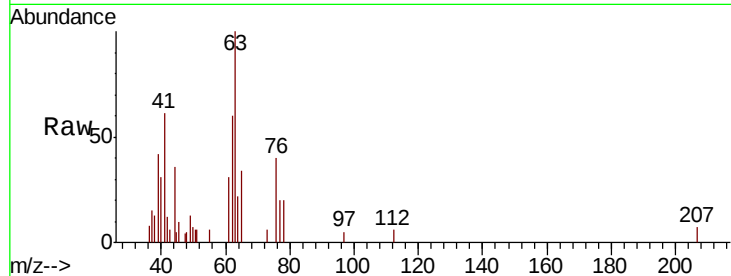
MDL-WATER-03-QT3-2020

Tot Ion: 63 Resp: 2510

Ion Ratio Lower Upper

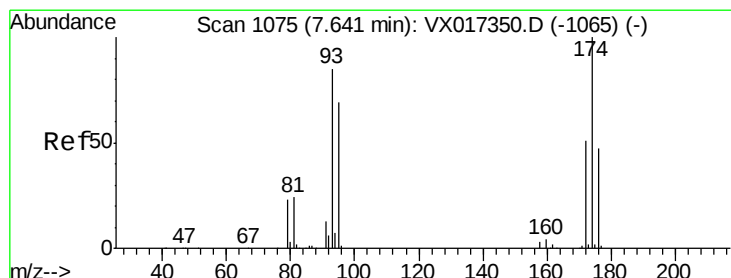
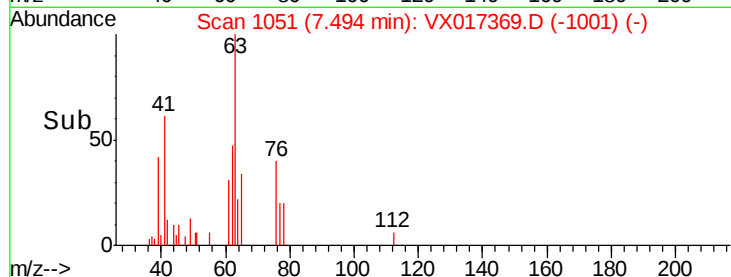
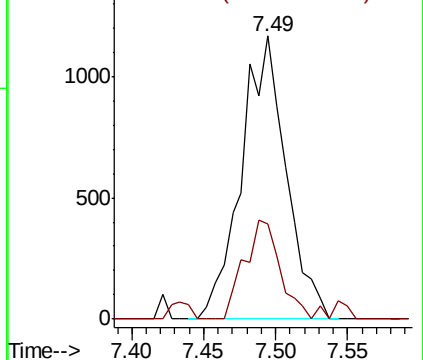
63 100

65 28.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 0.750 ug/l

RT: 7.63 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

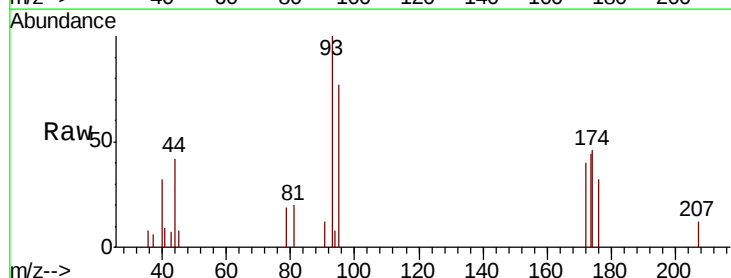
Tgt Ion: 93 Resp: 1665

Ion Ratio Lower Upper

93 100

95 91.8 65.4 98.2

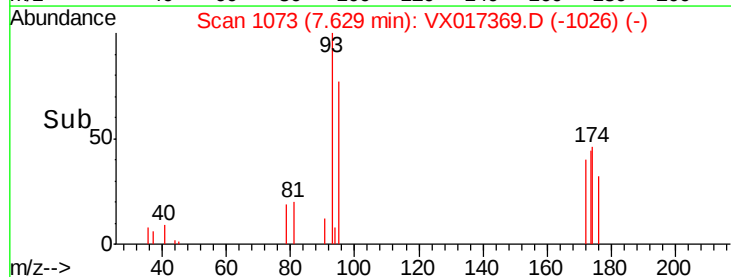
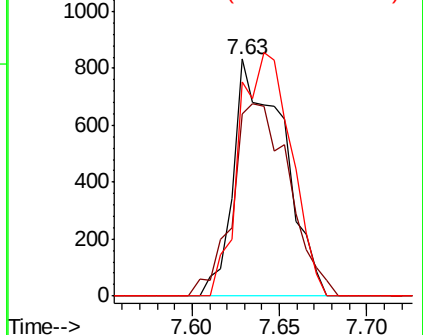
174 106.4 91.2 136.8

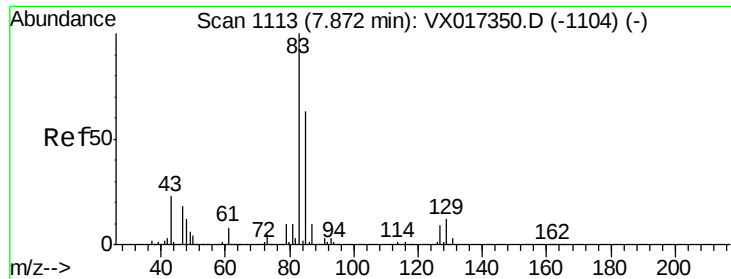


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.754 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

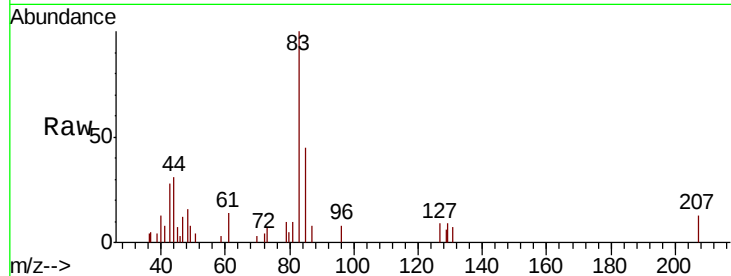
Tot Ion: 83 Resp: 3496

Ion Ratio Lower Upper

83 100

85 44.7 50.2 75.4#

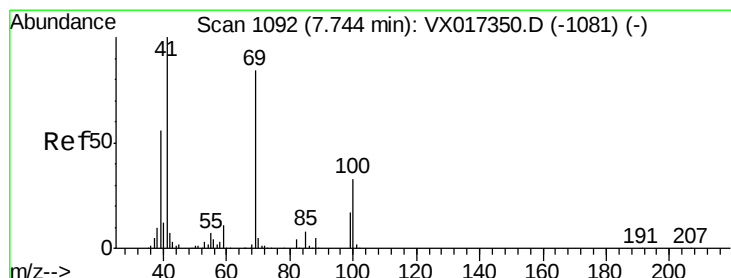
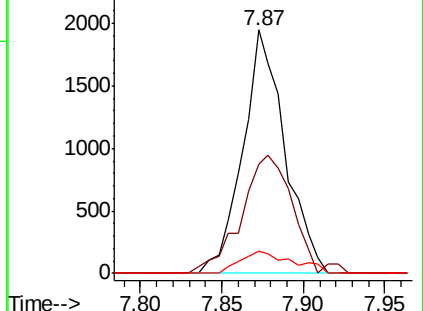
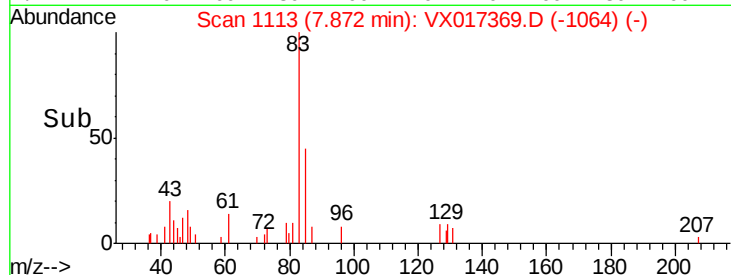
127 9.1 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.803 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

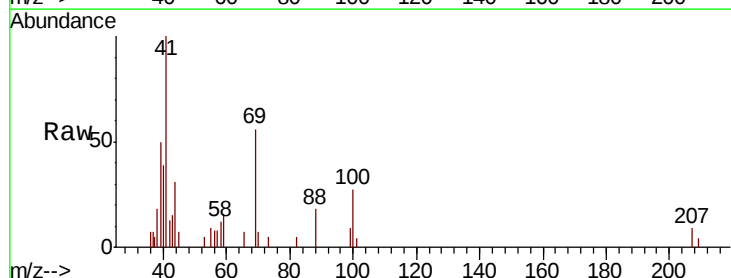
Tgt Ion: 41 Resp: 2665

Ion Ratio Lower Upper

41 100

69 61.1 67.8 101.6#

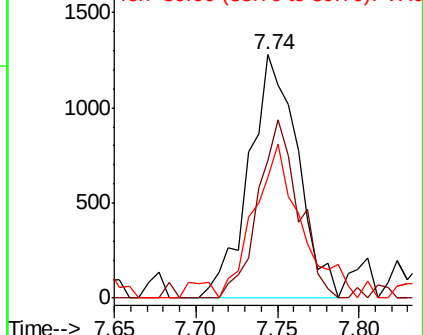
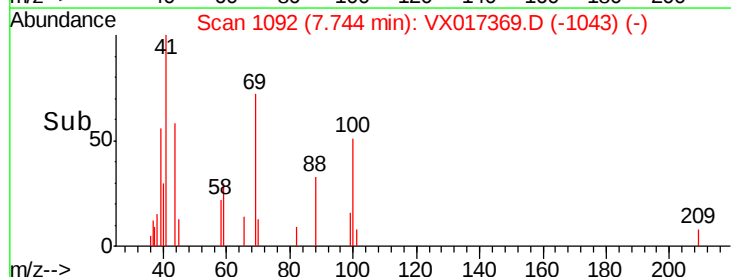
39 60.9 45.1 67.7

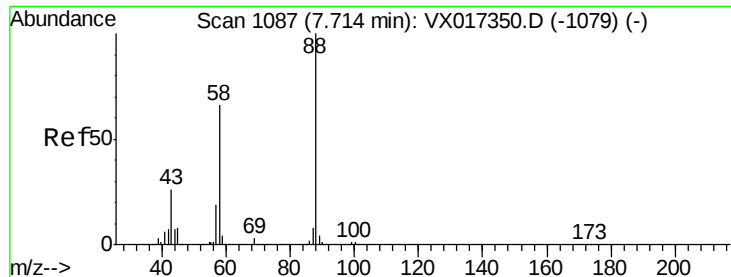


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

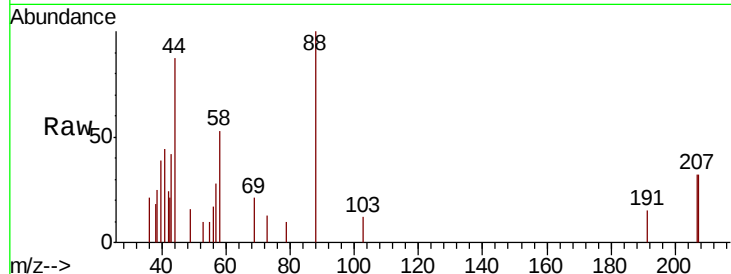




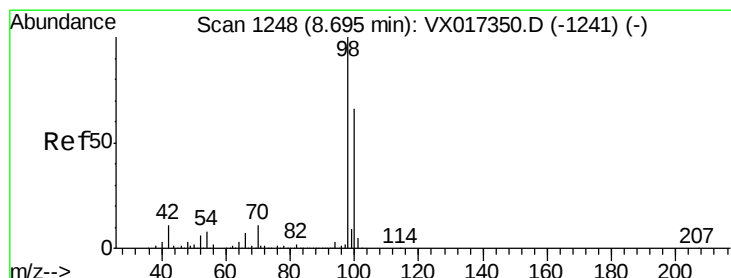
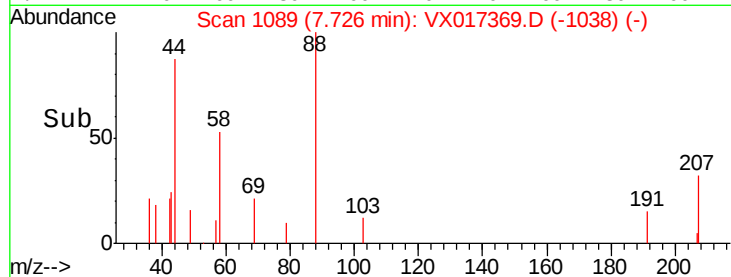
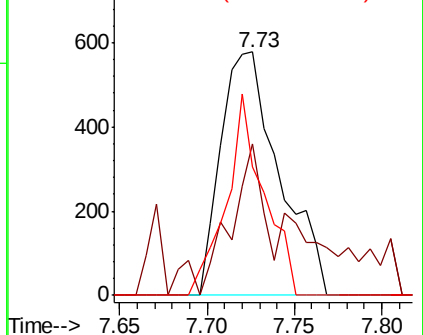
#49
1,4-Dioxane
Concen: 19.868 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 88 Resp: 1349
Ion Ratio Lower Upper
88 100
43 34.6 25.6 38.4
58 52.9 53.9 80.9#

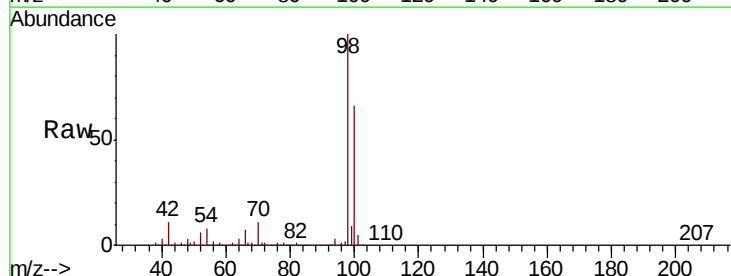


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

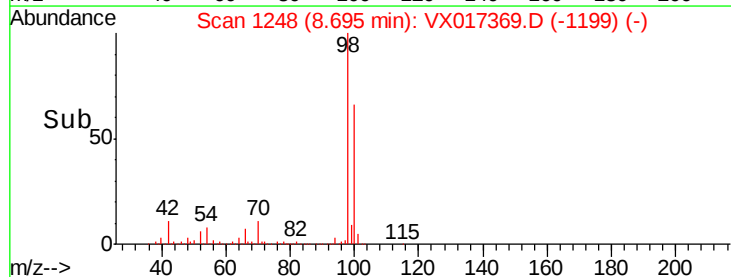
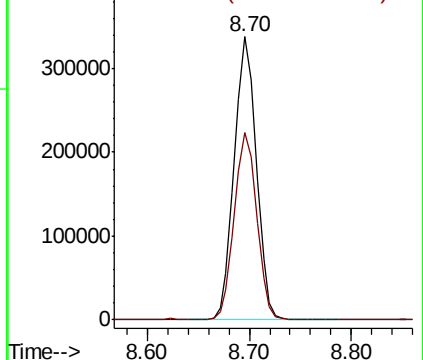


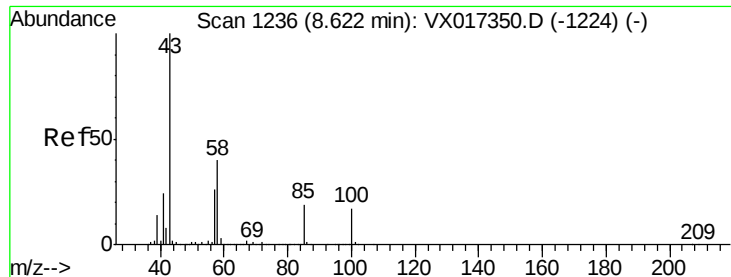
#50
Toluene-d8
Concen: 45.779 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 98 Resp: 505981
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.955 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

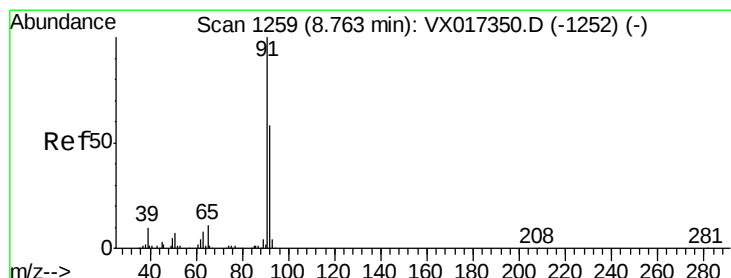
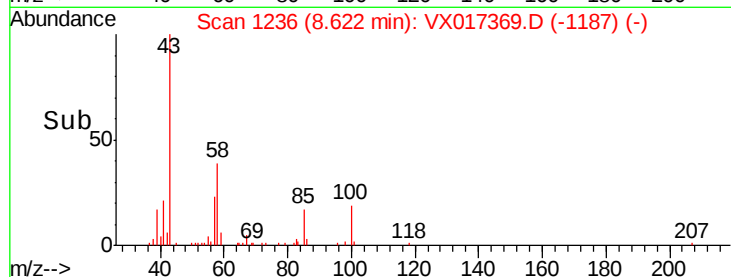
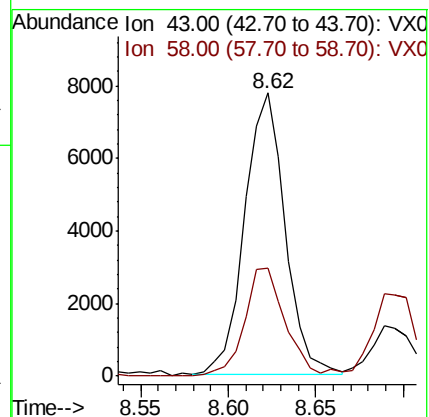
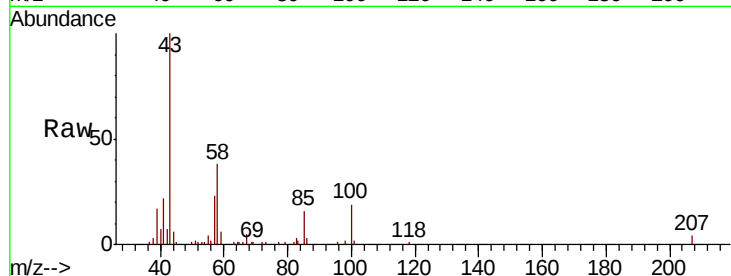
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 12459

Ion Ratio Lower Upper

43 100

58 38.3 32.2 48.2



#52

Toluene

Concen: 0.762 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017369.D

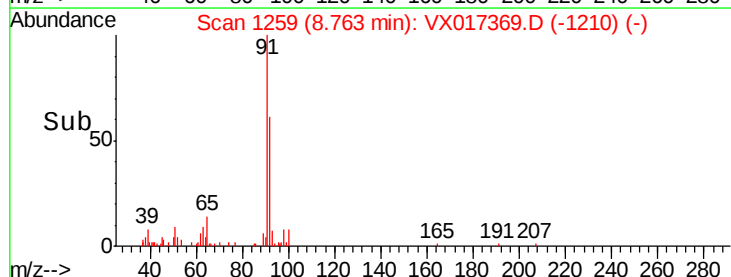
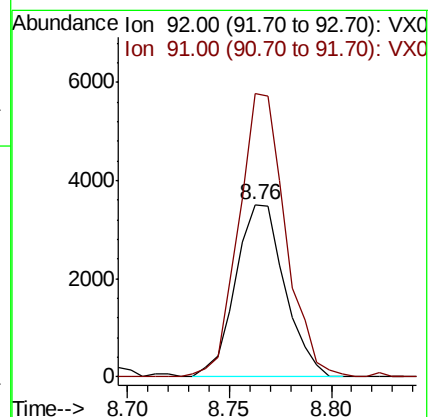
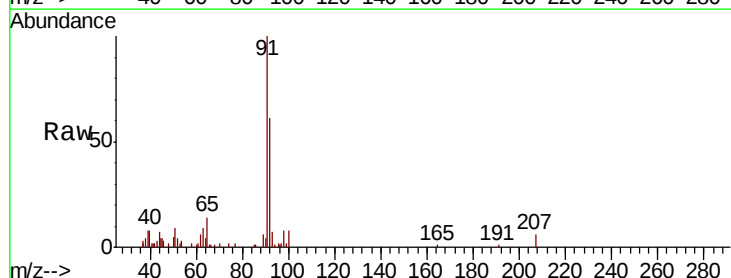
Acq: 14 Jul 2020 11:26

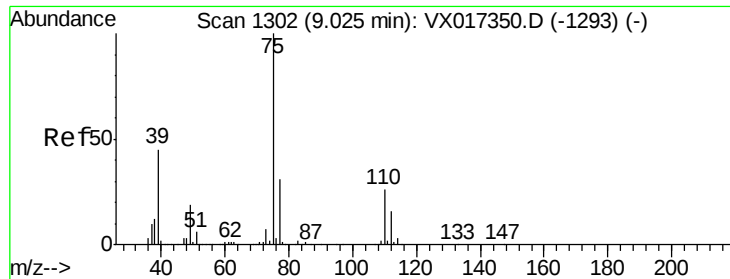
Tgt Ion: 92 Resp: 5878

Ion Ratio Lower Upper

92 100

91 156.7 136.7 205.1

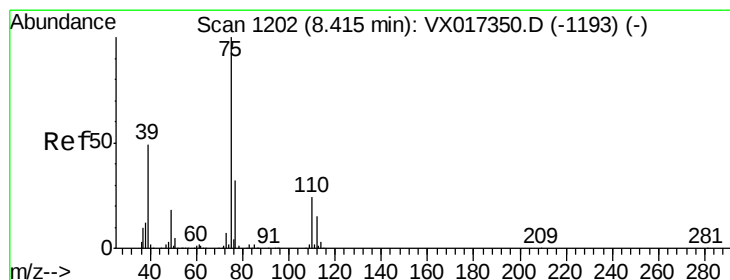
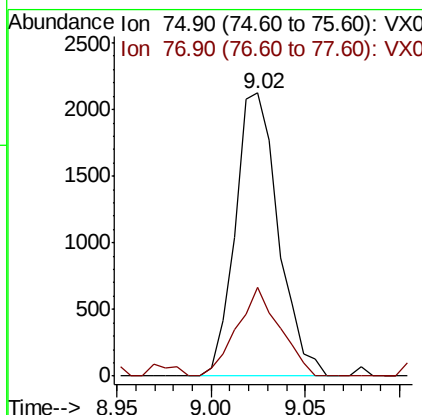
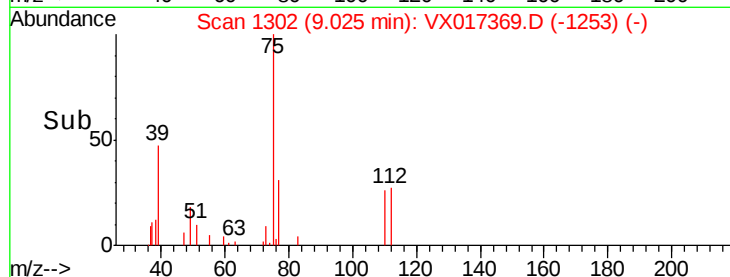
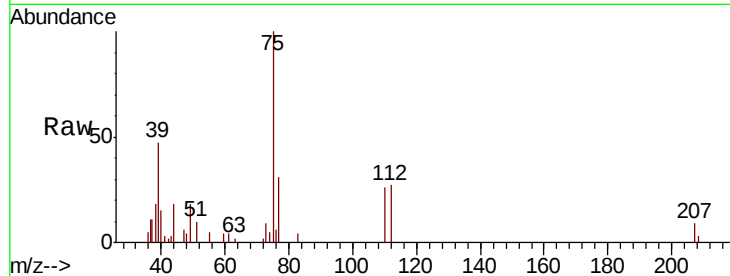




#53
t-1,3-Dichloropropene
Concen: 0.674 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

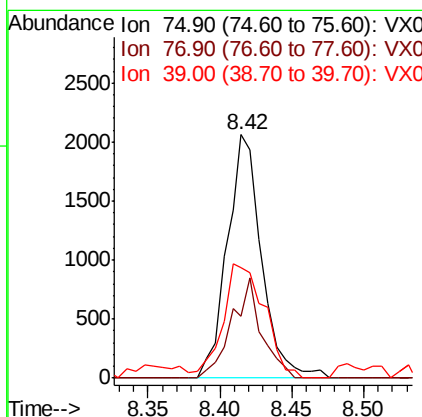
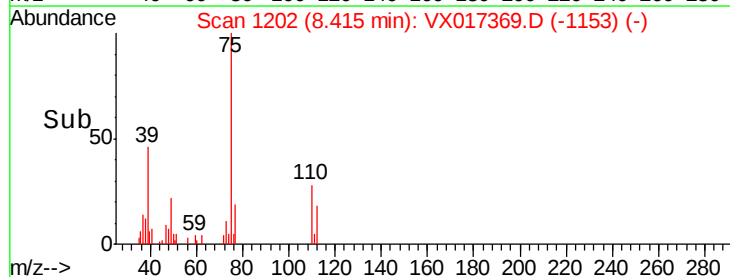
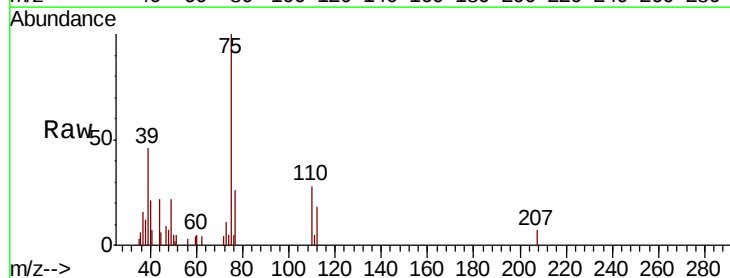
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

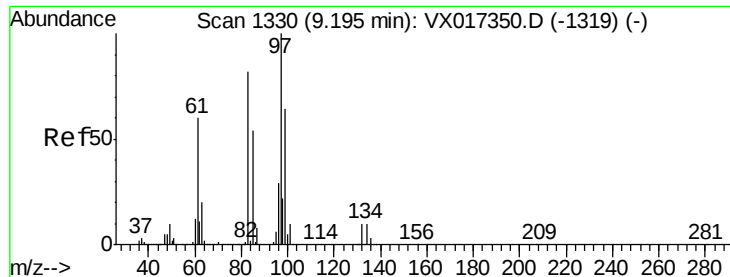
Tot Ion: 75 Resp: 3368
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 0.647 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 75 Resp: 3448
Ion Ratio Lower Upper
75 100
77 25.5 25.3 37.9
39 43.1 38.9 58.3

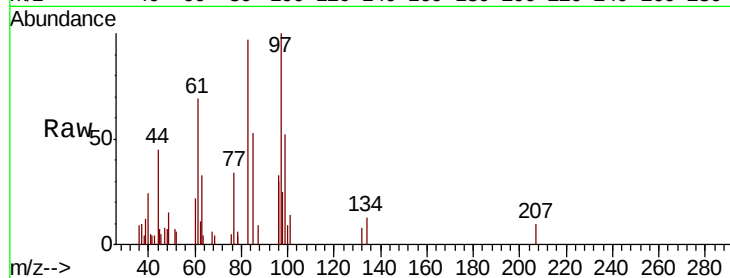




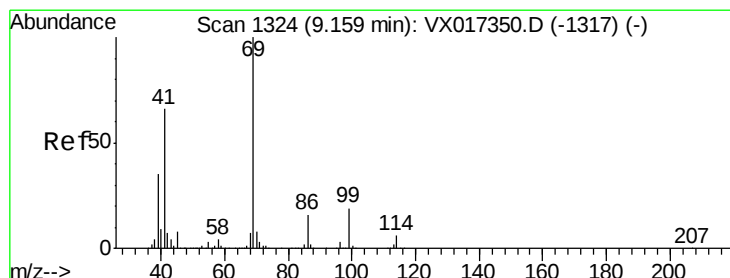
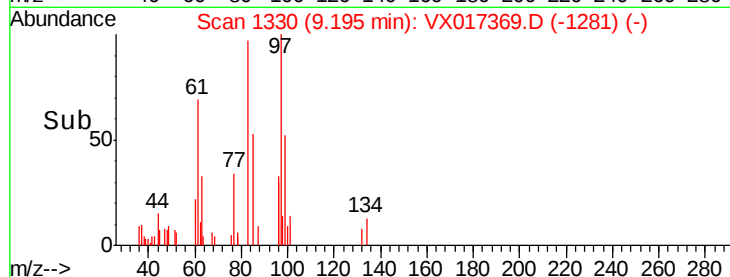
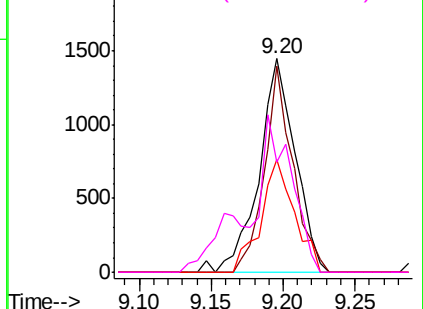
#55
 1,1,2-Trichloroethane
 Concen: 0.786 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion:	97	Resp:	2529
Ion	Ratio	Lower	Upper
97	100		
83	96.7	65.8	98.6
85	52.6	42.8	64.2
99	51.5	51.2	76.8

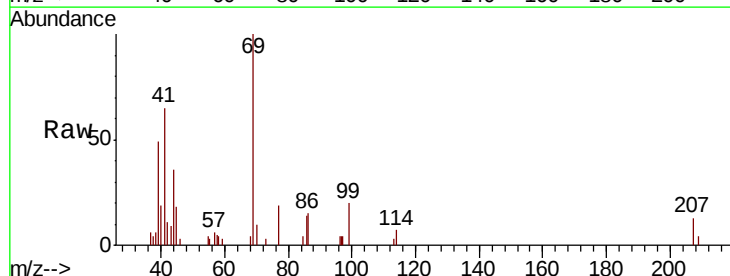


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

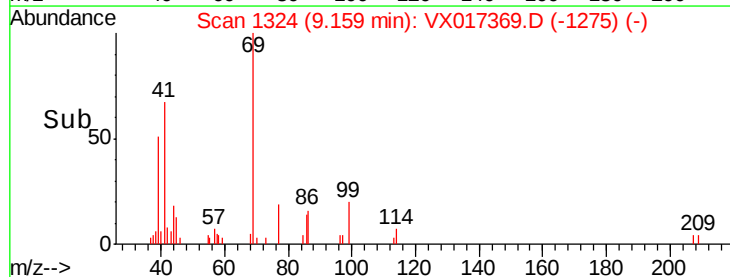
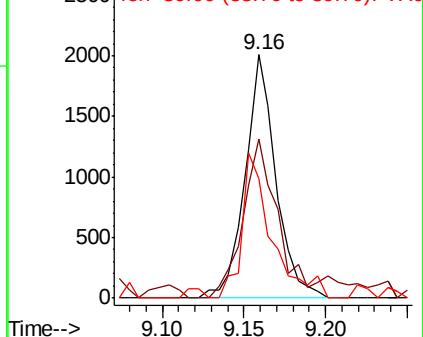


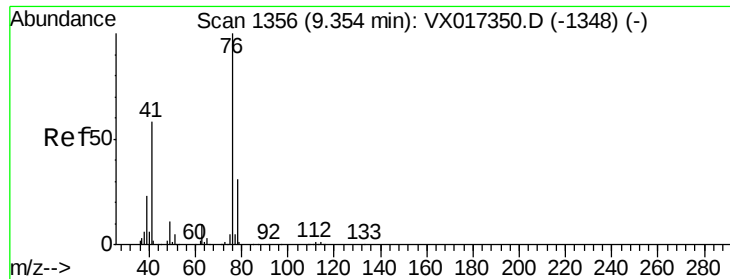
#56
 Ethyl methacrylate
 Concen: 0.580 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion:	69	Resp:	2649
Ion	Ratio	Lower	Upper
69	100		
41	74.1	52.6	78.8
39	56.7	28.8	43.2#



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





#57

1,3-Dichloropropane

Concen: 0.677 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

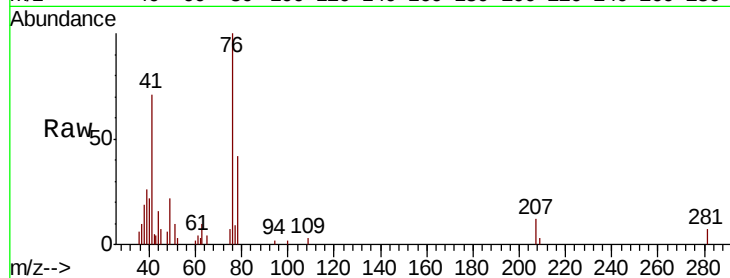
MDL-WATER-03-QT3-2020

Tot Ion: 76 Resp: 3624

Ion Ratio Lower Upper

76 100

78 36.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

2500

2000

1500

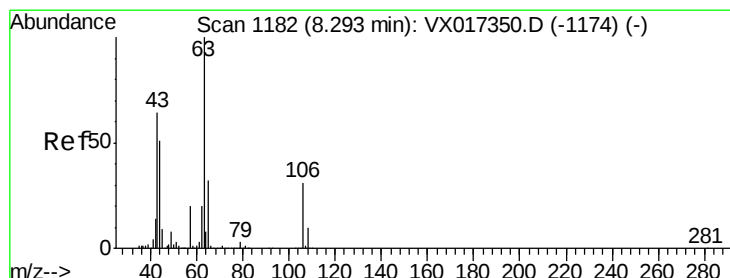
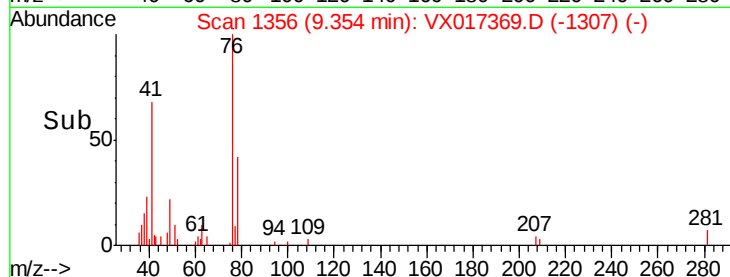
1000

500

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.831 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017369.D

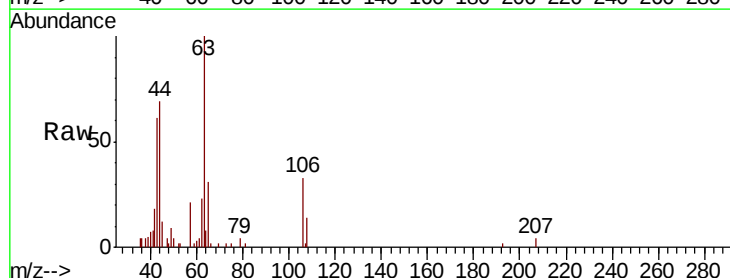
Acq: 14 Jul 2020 11:26

Tgt Ion: 63 Resp: 6566

Ion Ratio Lower Upper

63 100

106 31.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

4000

3000

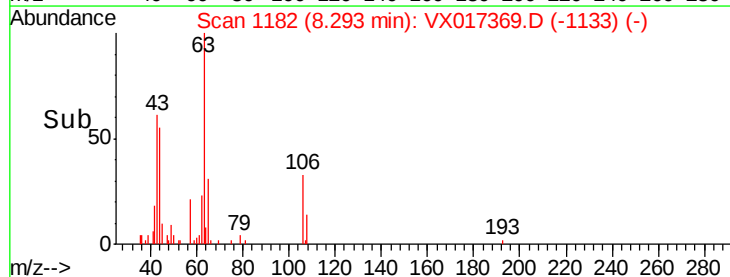
2000

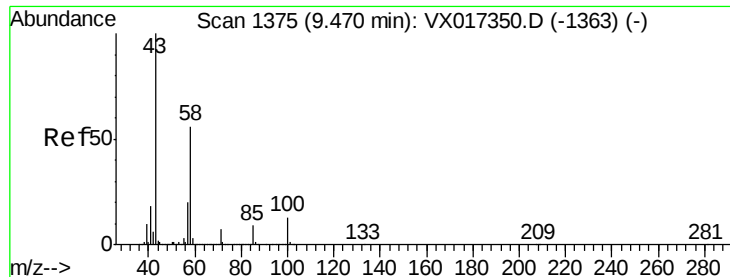
1000

0

8.20 8.25 8.30 8.35

Time-->

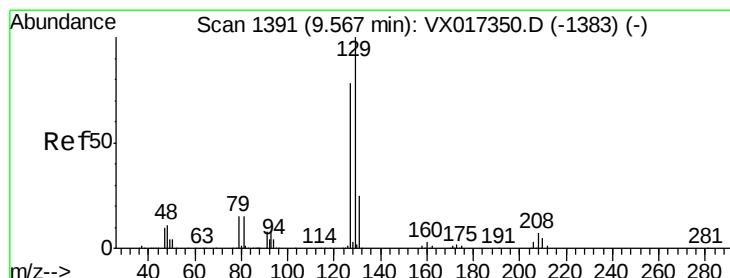
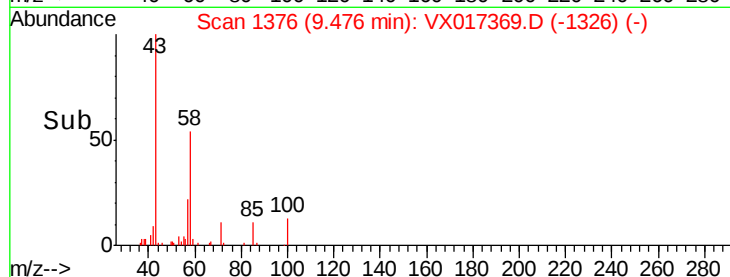
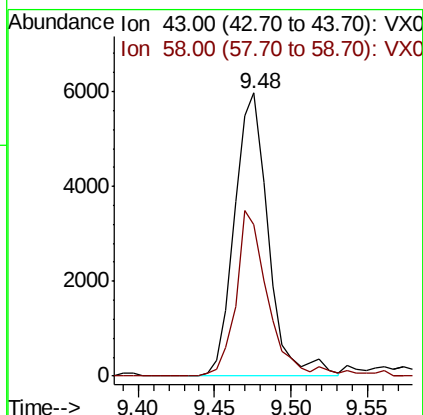
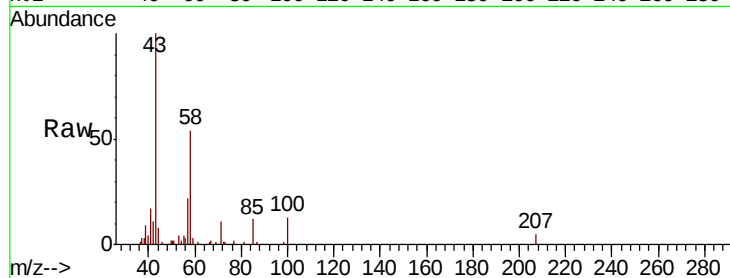




#59
2-Hexanone
Concen: 2.872 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

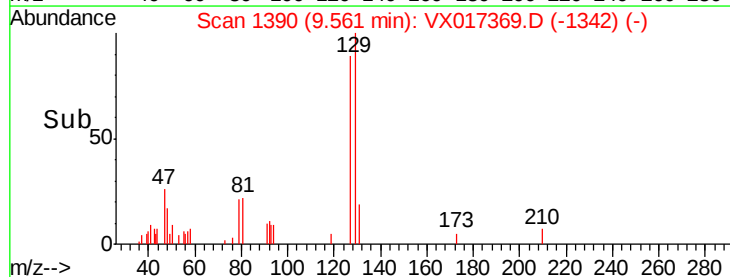
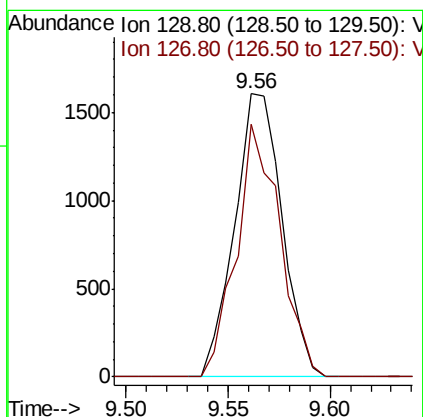
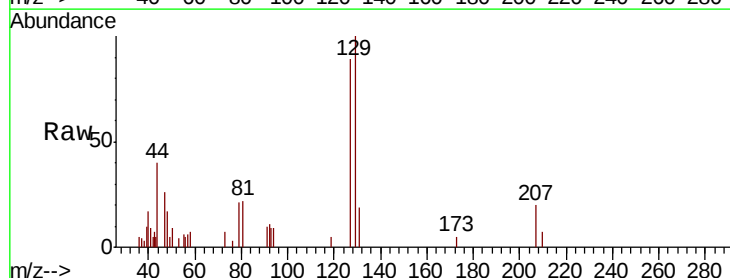
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

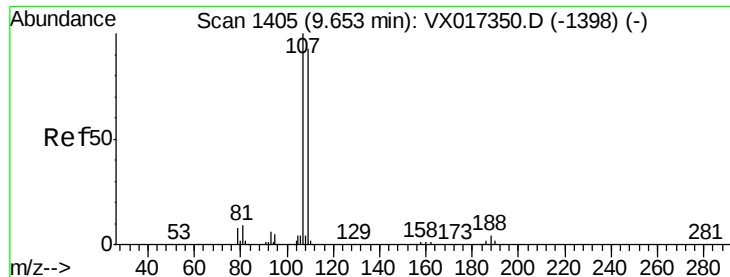
Tot Ion: 43 Resp: 9138
Ion Ratio Lower Upper
43 100
58 53.3 28.1 84.3



#60
Dibromochloromethane
Concen: 0.660 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 129 Resp: 2593
Ion Ratio Lower Upper
129 100
127 82.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 0.690 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

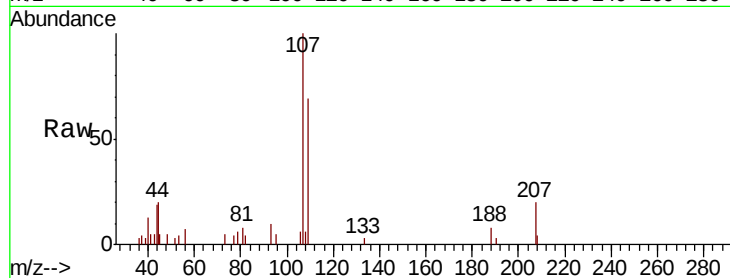
MDL-WATER-03-QT3-2020

Tot Ion:107 Resp: 2414

Ion Ratio Lower Upper

107 100

109 89.9 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

2000

1500

1000

500

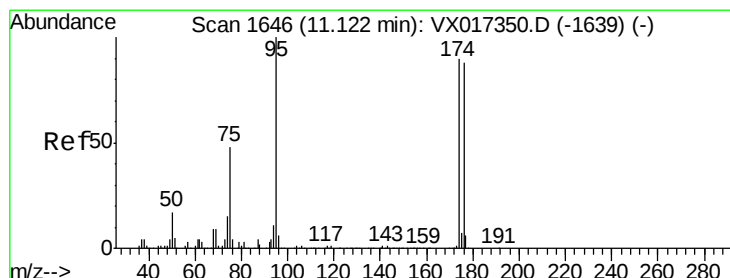
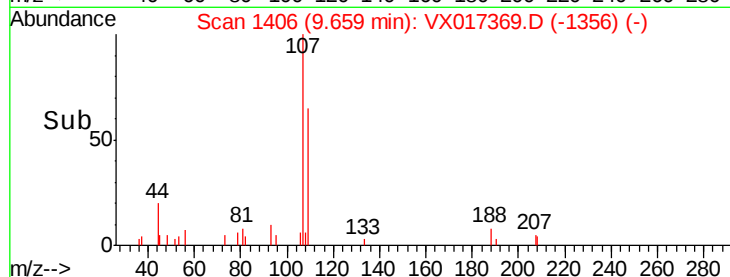
0

Time-->

9.60

9.65

9.70



#62

4-Bromofluorobenzene

Concen: 42.340 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

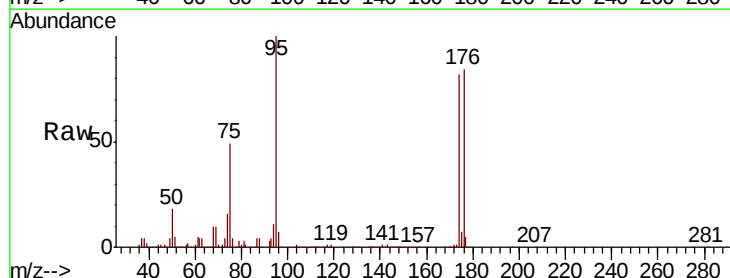
Tgt Ion: 95 Resp: 185884

Ion Ratio Lower Upper

95 100

174 83.5 0.0 175.8

176 81.1 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

50000

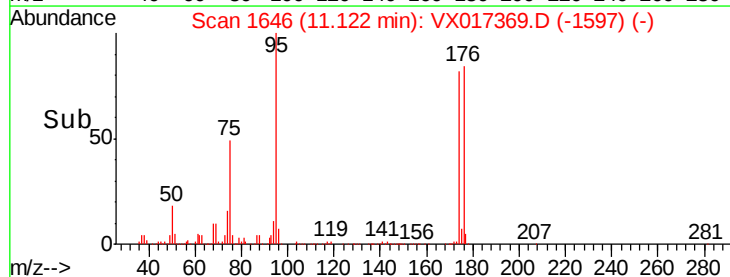
0

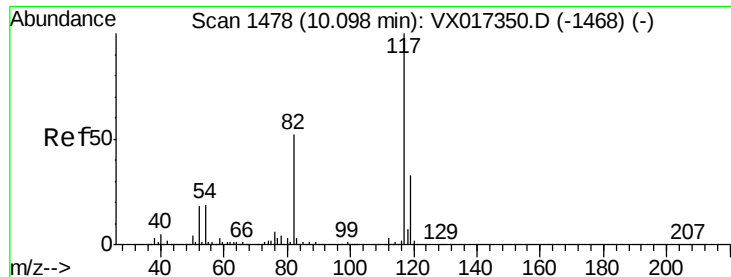
Time-->

11.10

11.12

11.20

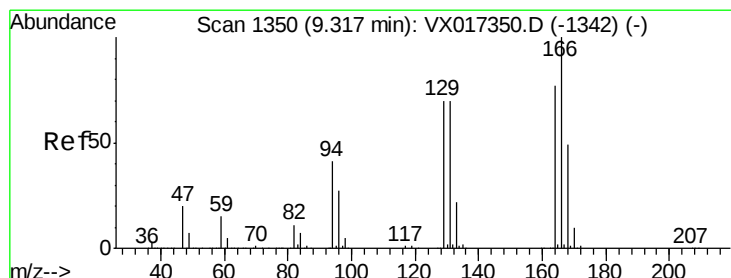
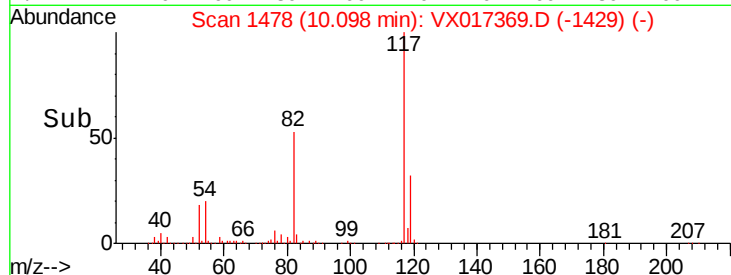
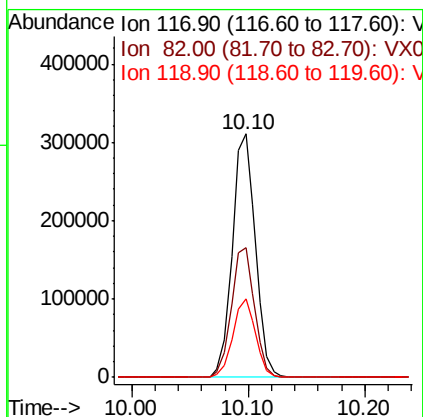
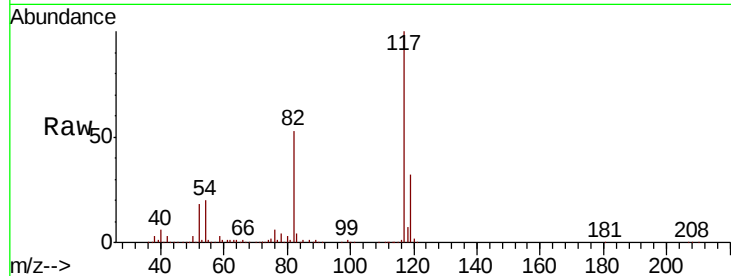




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

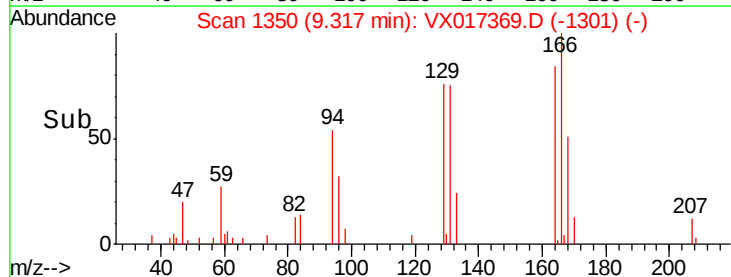
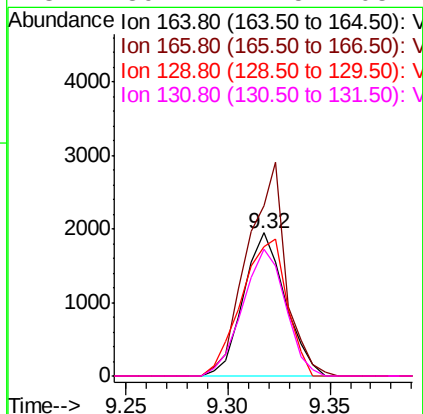
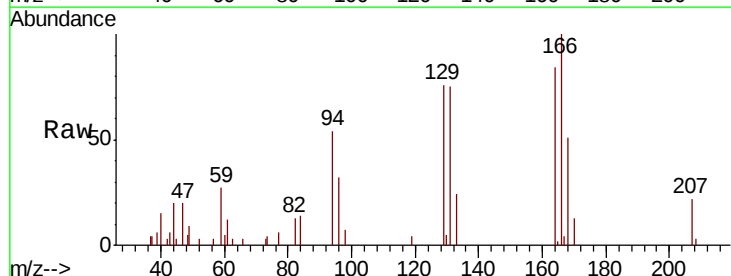
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

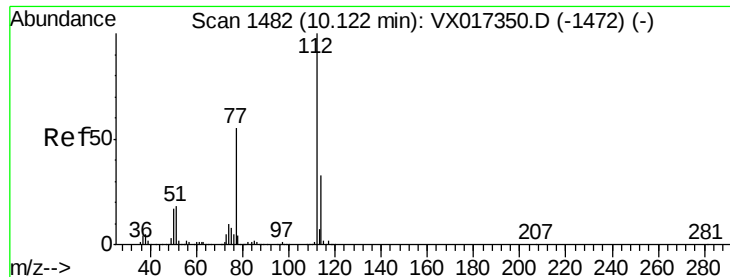
Tot Ion:117 Resp: 427655
Ion Ratio Lower Upper
117 100
82 53.3 42.0 63.0
119 32.4 26.3 39.5



#64
Tetrachloroethene
Concen: 0.749 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion:164 Resp: 2773
Ion Ratio Lower Upper
164 100
166 119.4 103.9 155.9
129 90.6 72.9 109.3
131 89.1 72.5 108.7





#65

Chlorobenzene

Concen: 0.728 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

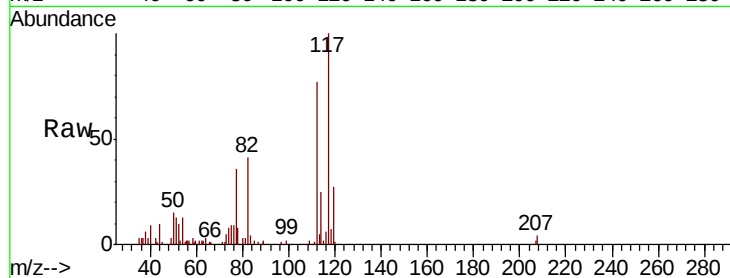
MDL-WATER-03-QT3-2020

Tot Ion:112 Resp: 6326

Ion Ratio Lower Upper

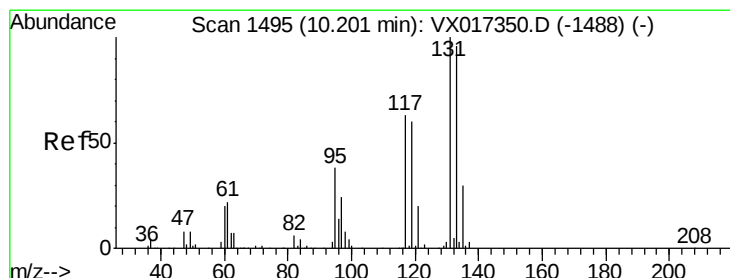
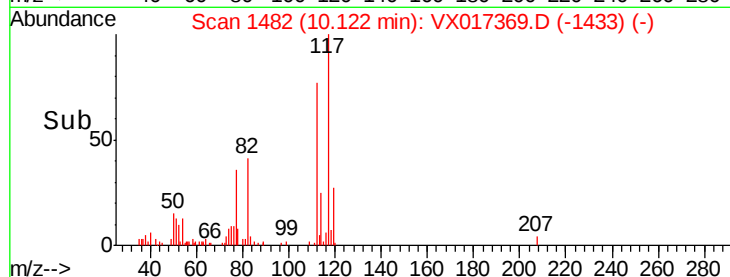
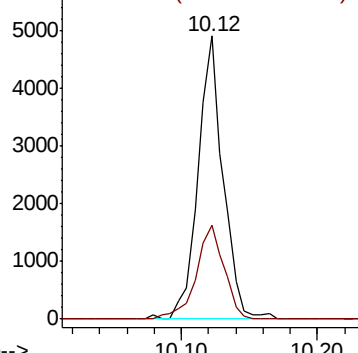
112 100

114 33.1 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.728 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

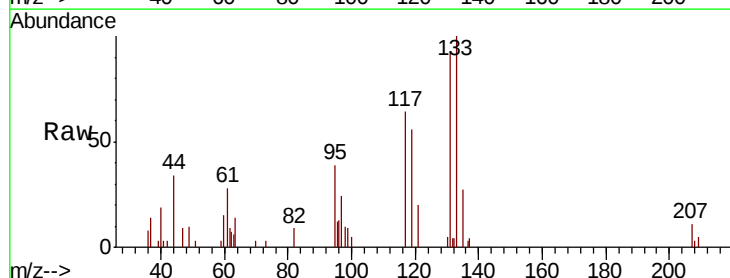
Tgt Ion:131 Resp: 2519

Ion Ratio Lower Upper

131 100

133 106.8 48.4 145.2

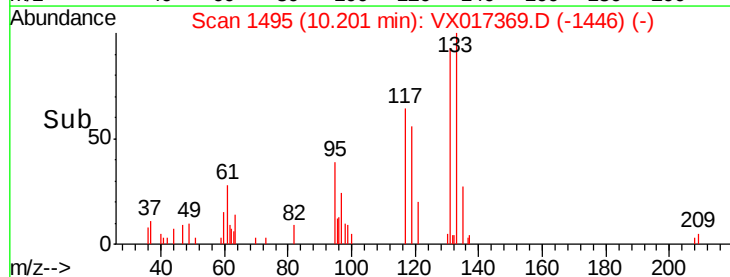
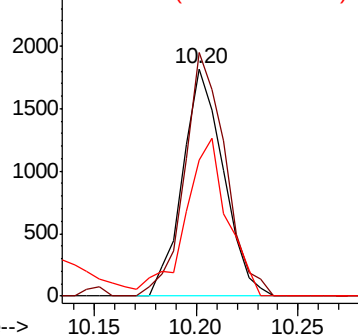
119 0.0 31.2 93.6#

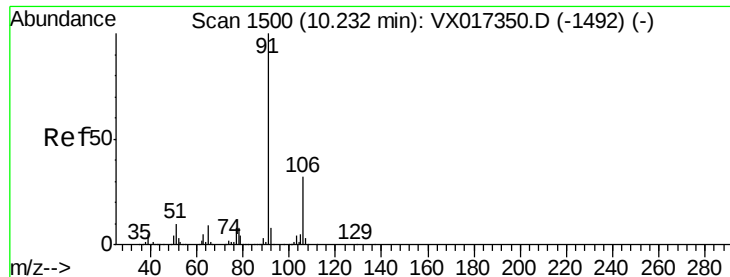


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

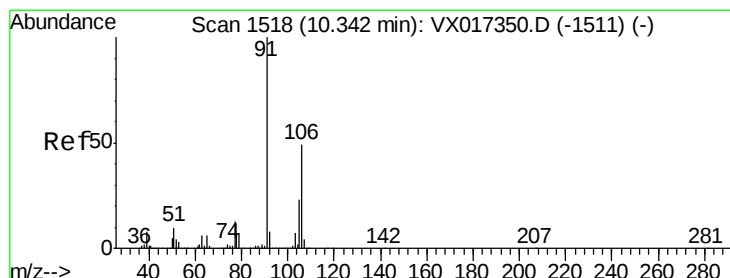
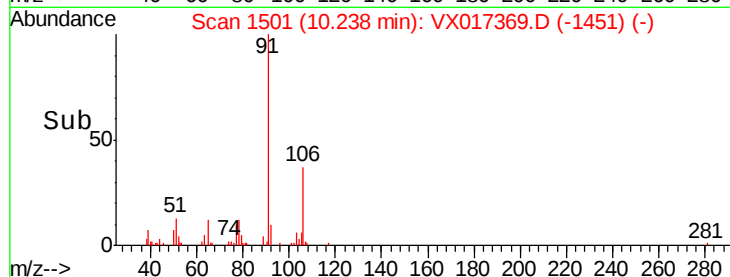
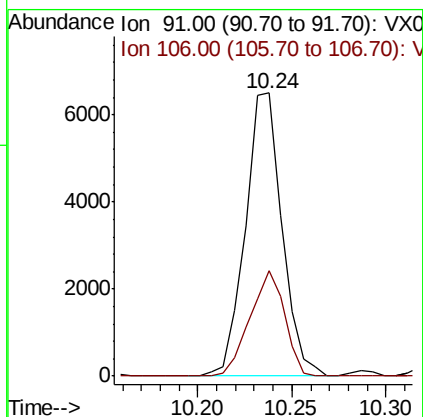
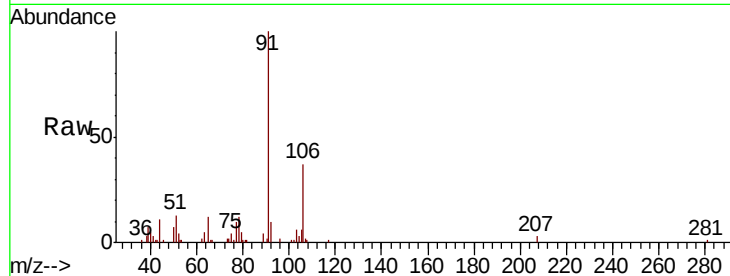




#67
Ethyl Benzene
Concen: 0.608 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

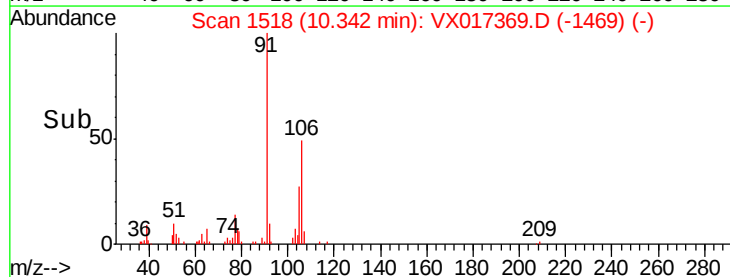
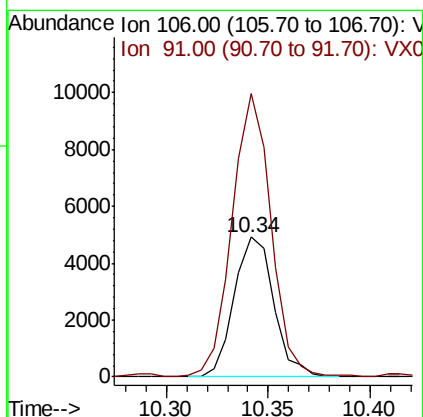
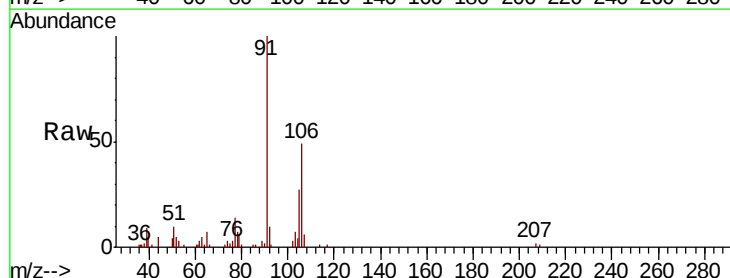
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

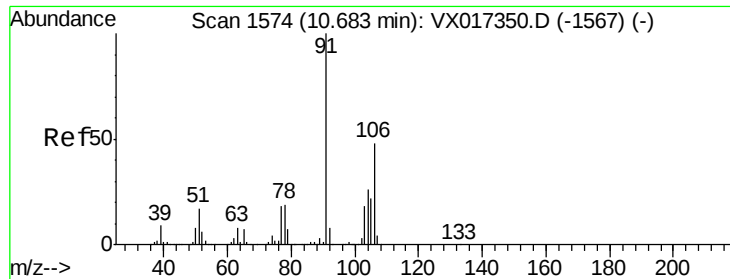
Tot Ion: 91 Resp: 8792
Ion Ratio Lower Upper
91 100
106 37.1 25.7 38.5



#68
m/p-Xylenes
Concen: 1.201 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 106 Resp: 6613
Ion Ratio Lower Upper
106 100
91 199.8 162.5 243.7

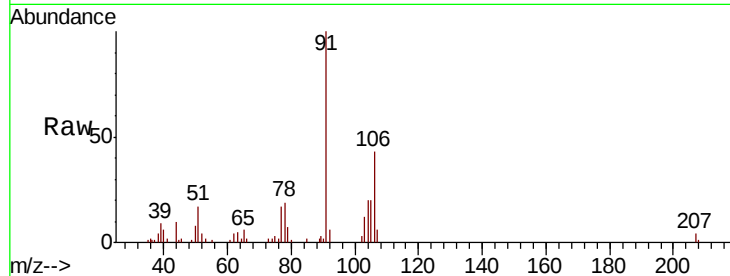




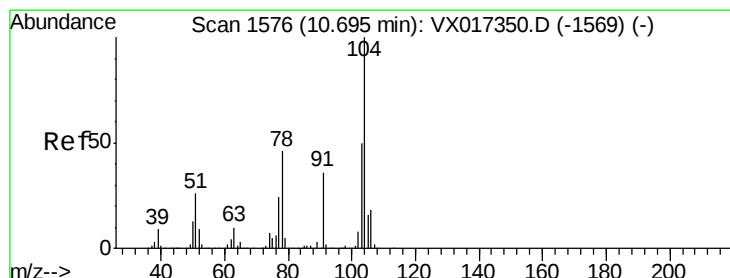
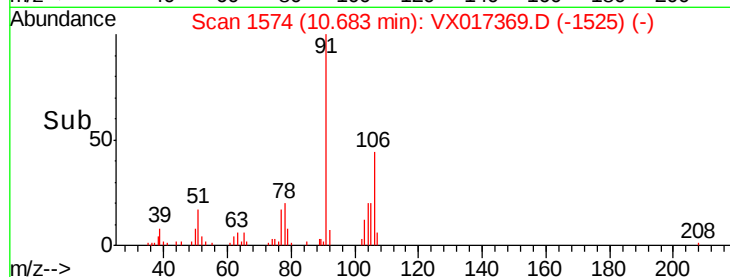
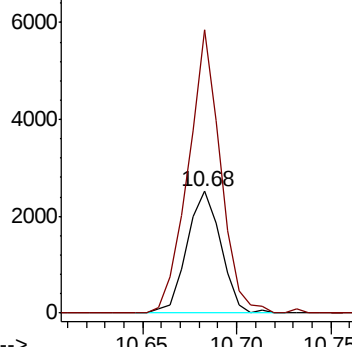
#69
o-Xylene
Concen: 0.598 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion:106 Resp: 3148
Ion Ratio Lower Upper
106 100
91 220.1 106.1 318.1

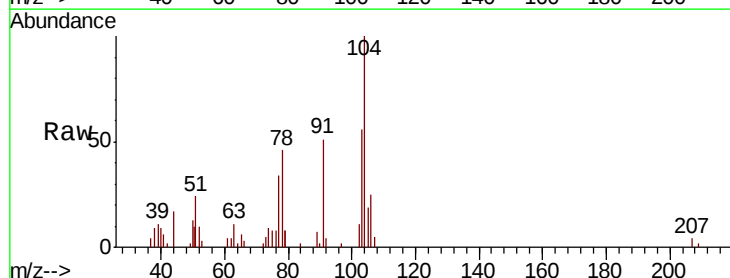


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

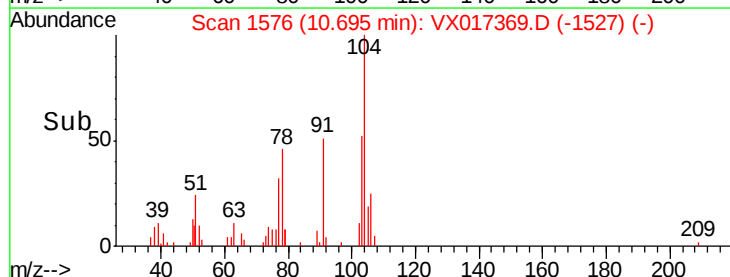
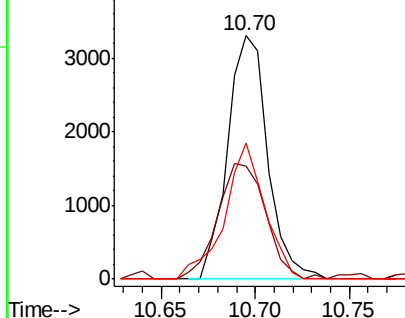


#70
Styrene
Concen: 0.539 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion:104 Resp: 4869
Ion Ratio Lower Upper
104 100
78 57.2 40.8 61.2
103 56.3 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.666 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

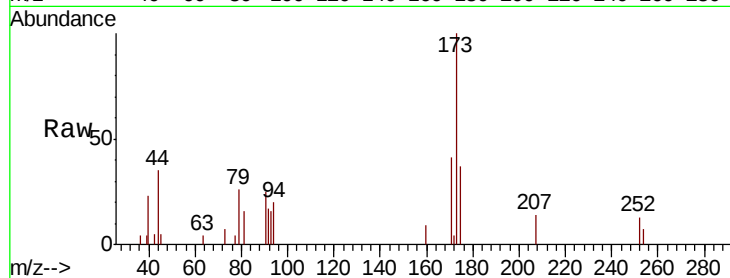
Tot Ion:173 Resp: 1944

Ion Ratio Lower Upper

173 100

175 51.2 24.7 74.1

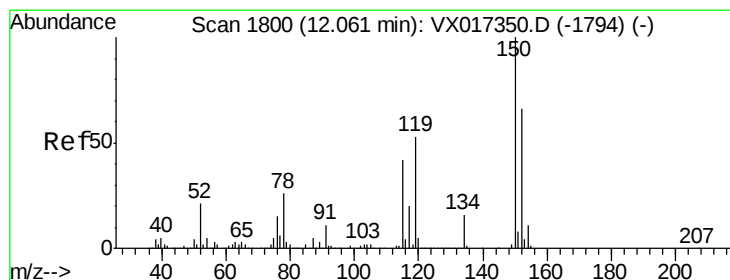
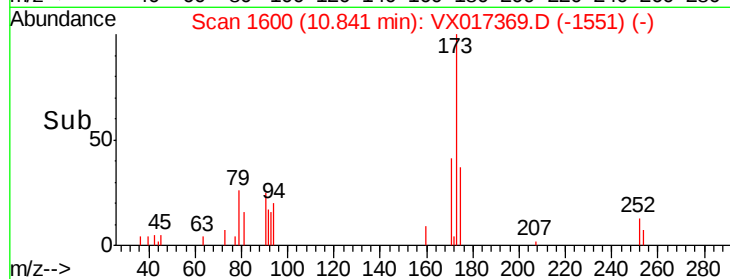
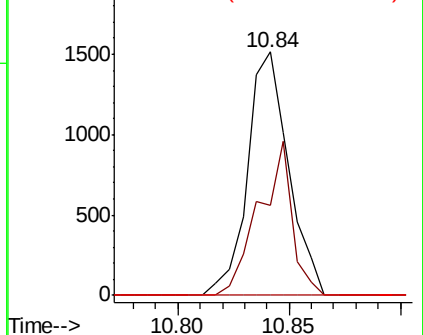
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

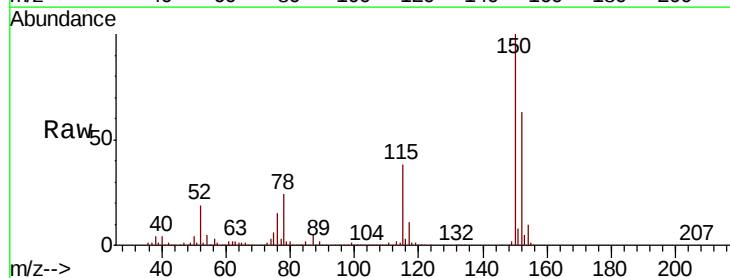
Tgt Ion:152 Resp: 212497

Ion Ratio Lower Upper

152 100

115 57.6 39.9 119.7

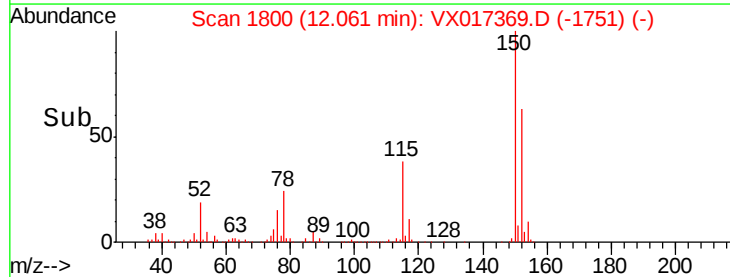
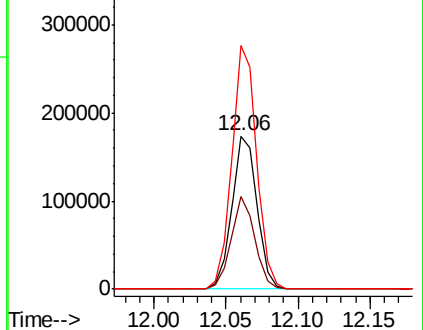
150 156.5 0.0 343.4

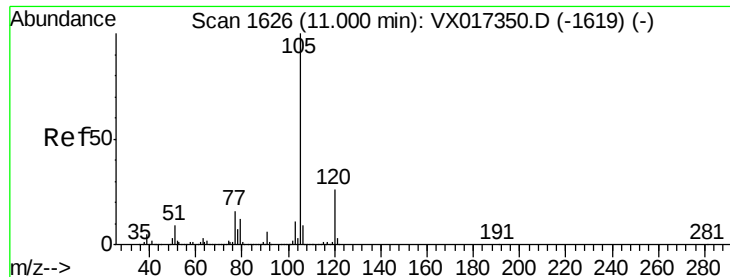


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.583 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

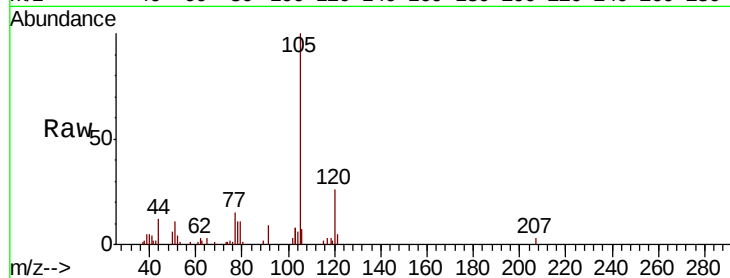
MDL-WATER-03-QT3-2020

Tot Ion:105 Resp: 7766

Ion Ratio Lower Upper

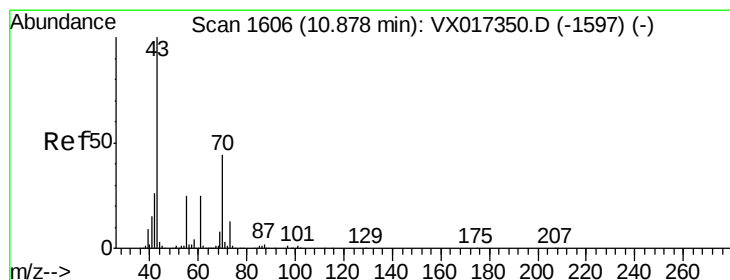
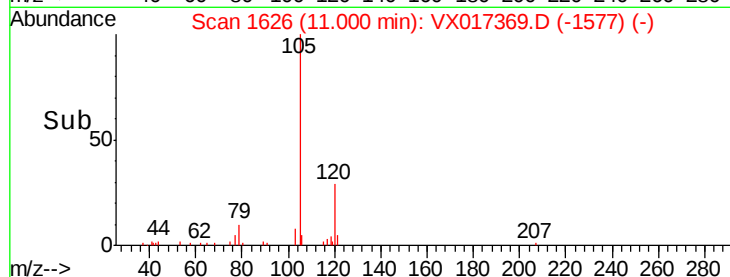
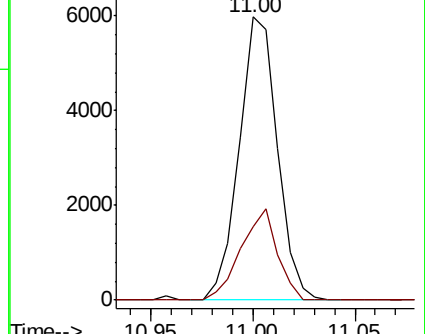
105 100

120 30.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.645 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Tgt Ion: 43 Resp: 3437

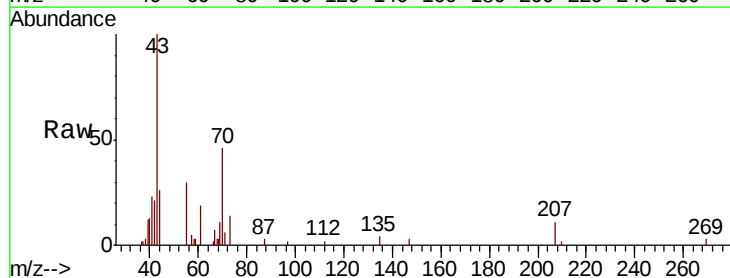
Ion Ratio Lower Upper

43 100

70 41.5 35.7 53.5

55 26.0 20.3 30.5

61 23.3 20.0 30.0

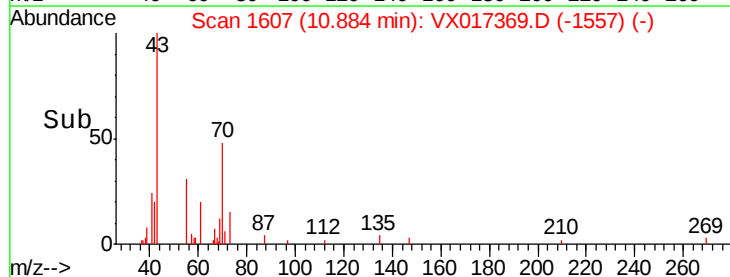
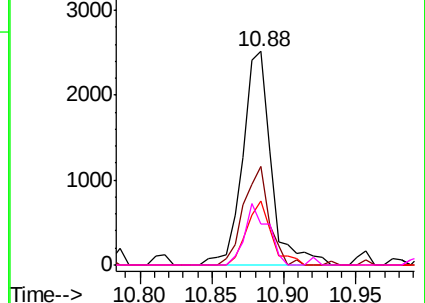


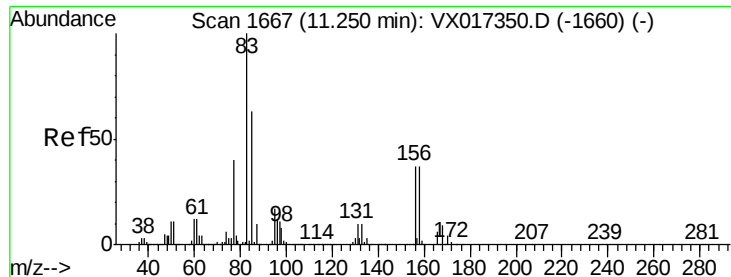
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.803 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

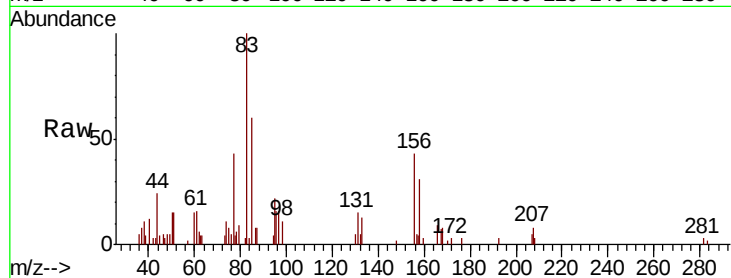
Tot Ion: 83 Resp: 3249

Ion Ratio Lower Upper

83 100

131 15.5 5.5 16.7

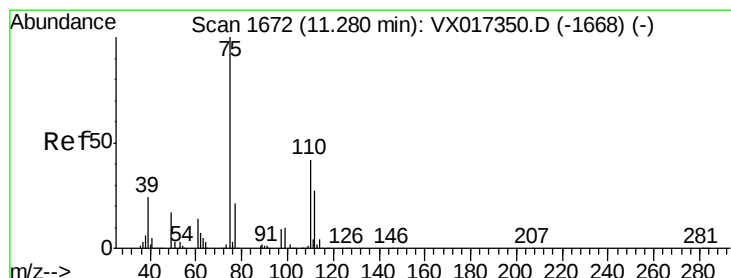
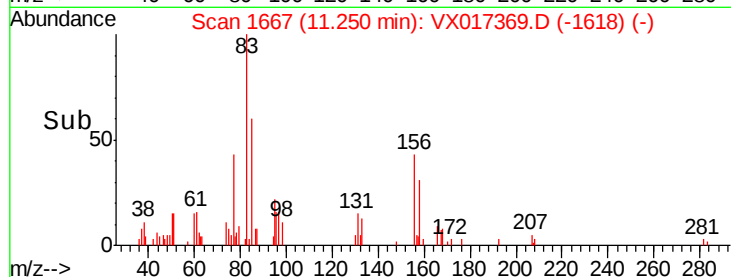
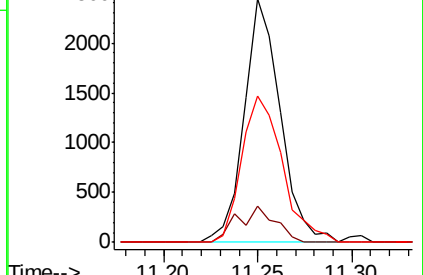
85 67.7 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.900 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017369.D

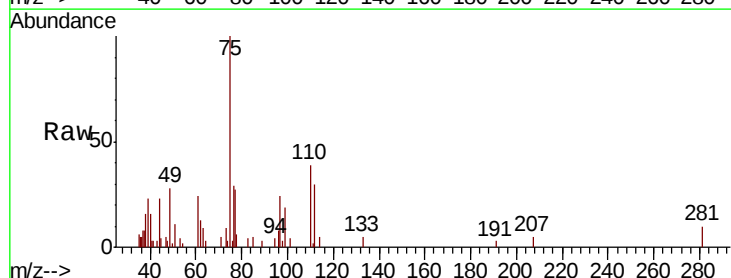
Acq: 14 Jul 2020 11:26

Tgt Ion: 75 Resp: 3532

Ion Ratio Lower Upper

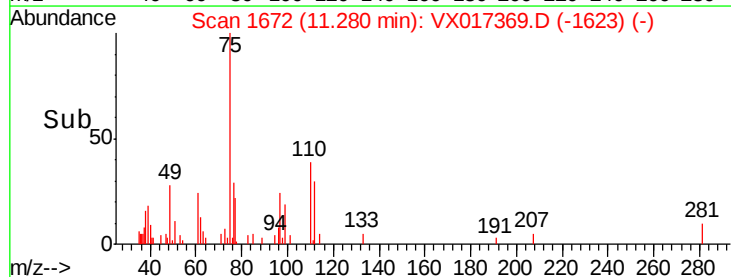
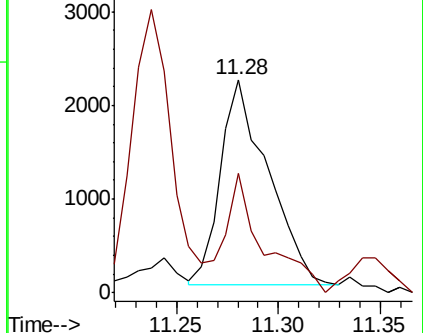
75 100

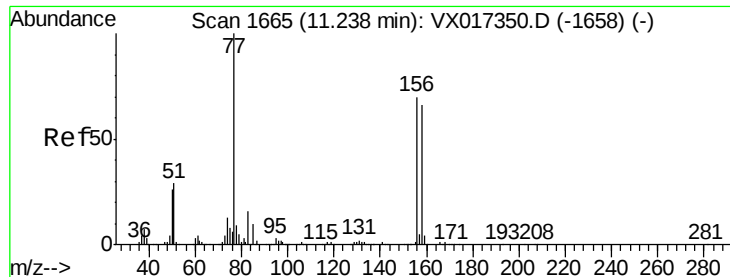
77 47.7 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.807 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

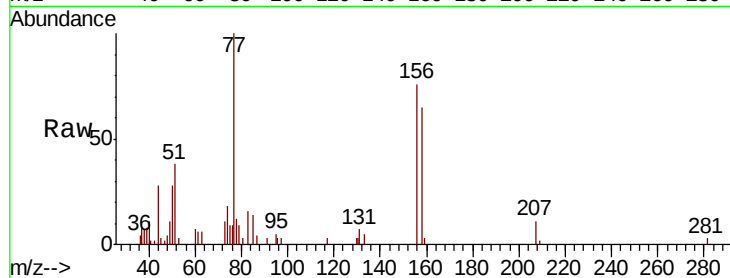
Tot Ion:156 Resp: 3061

Ion Ratio Lower Upper

156 100

77 134.9 72.1 216.3

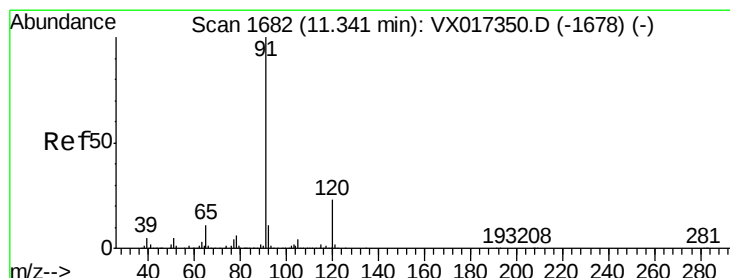
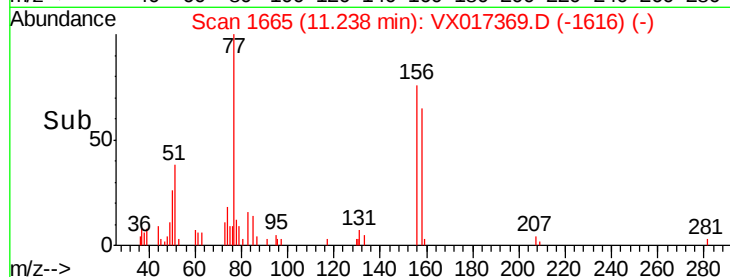
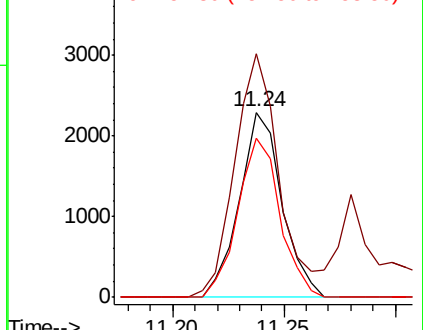
158 85.0 47.4 142.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.658 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX017369.D

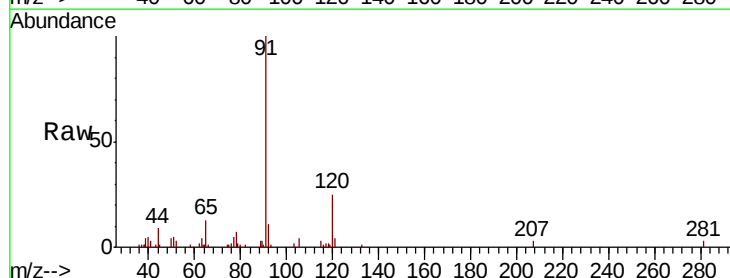
Acq: 14 Jul 2020 11:26

Tgt Ion: 91 Resp: 9841

Ion Ratio Lower Upper

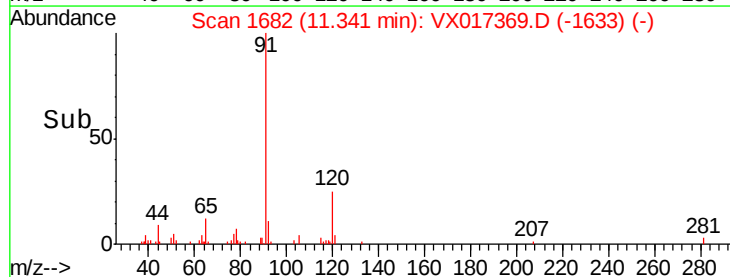
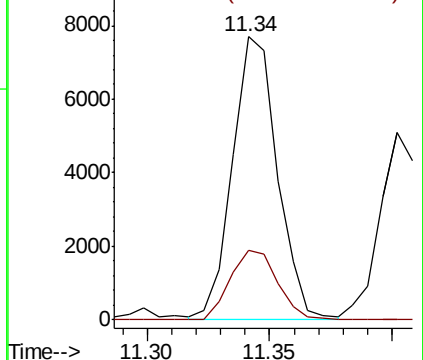
91 100

120 25.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

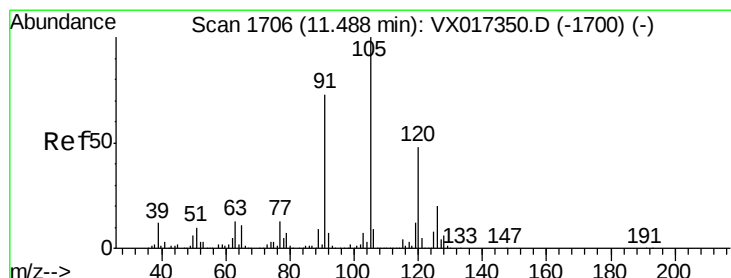
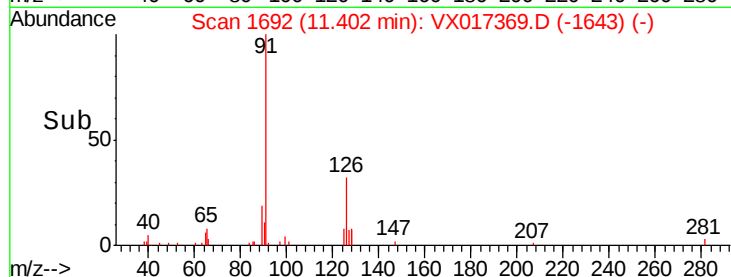
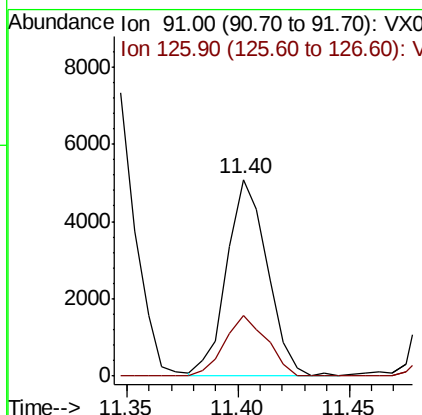
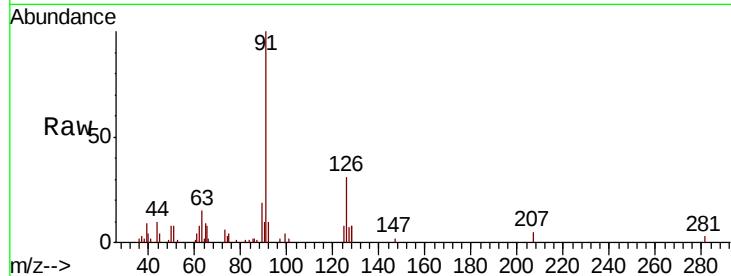




#79
 2-Chlorotoluene
 Concen: 0.703 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

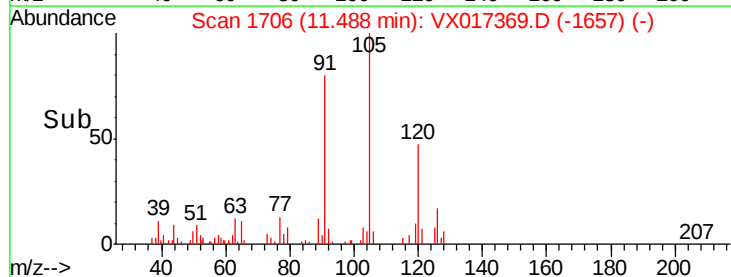
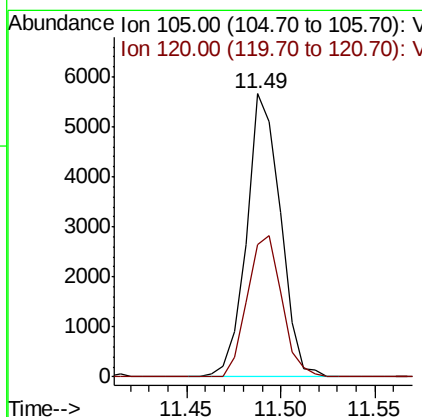
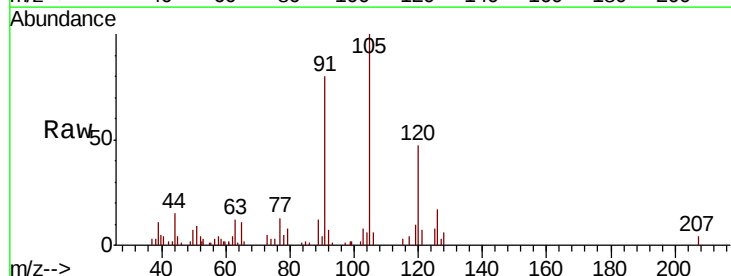
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

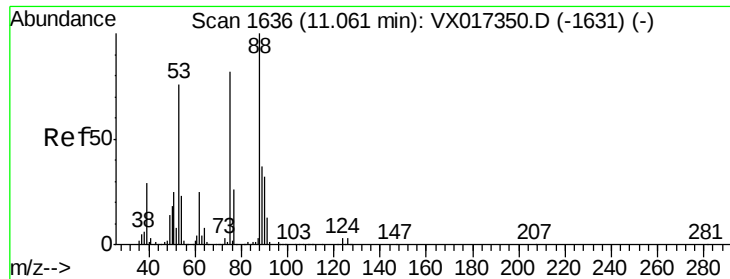
Tot Ion: 91 Resp: 6478
 Ion Ratio Lower Upper
 91 100
 126 31.9 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 0.623 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion: 105 Resp: 7041
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 59.400 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

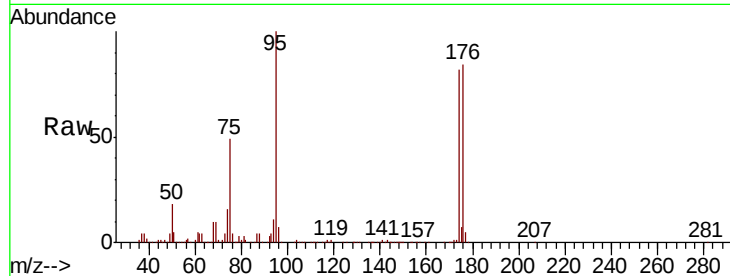
Tot Ion: 75 Resp: 91944

Ion Ratio Lower Upper

75 100

53 0.3 76.5 114.7#

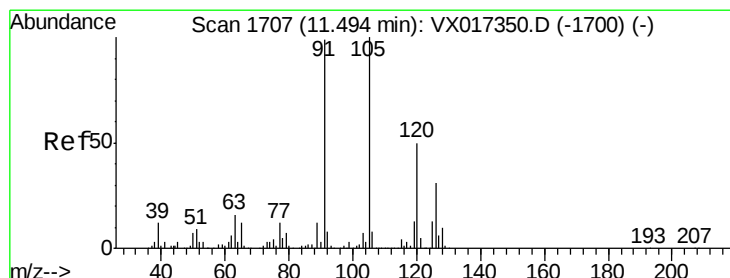
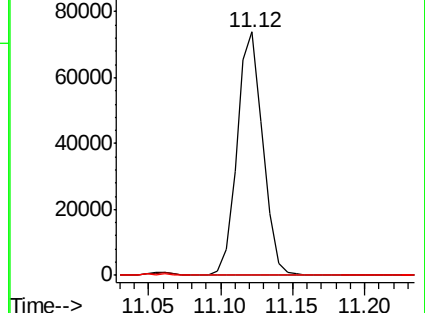
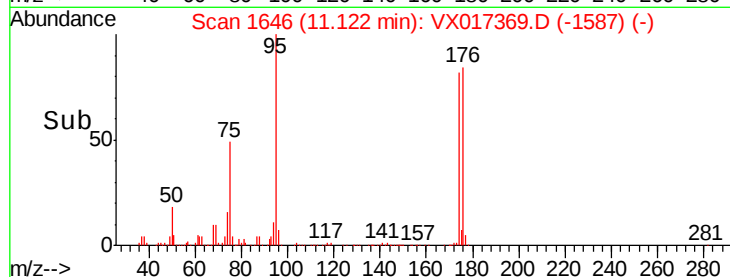
89 0.1 38.1 57.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.737 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017369.D

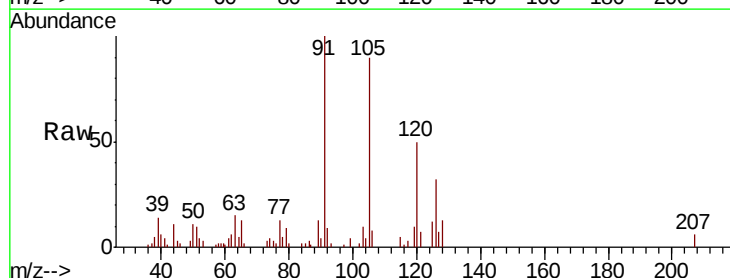
Acq: 14 Jul 2020 11:26

Tgt Ion: 91 Resp: 8057

Ion Ratio Lower Upper

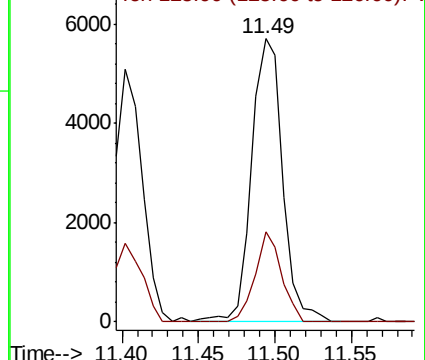
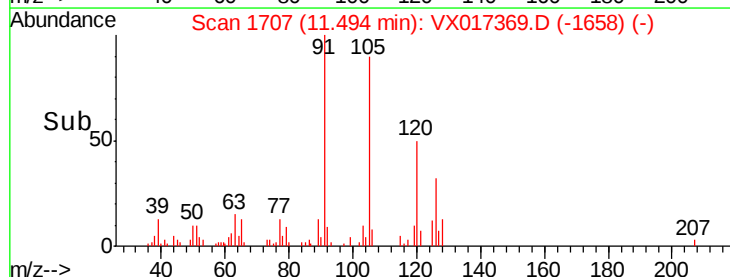
91 100

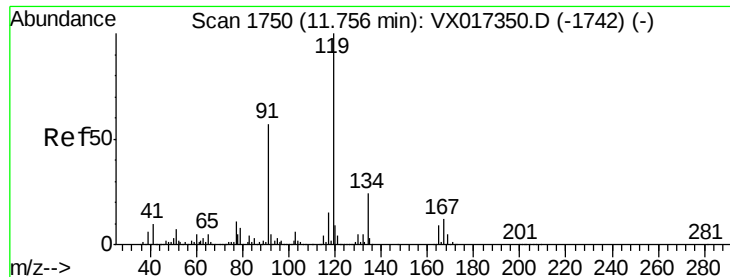
126 27.0 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

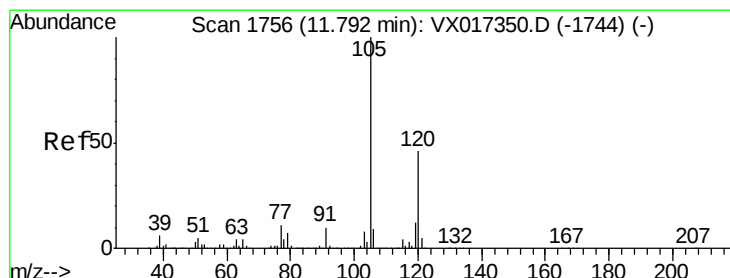
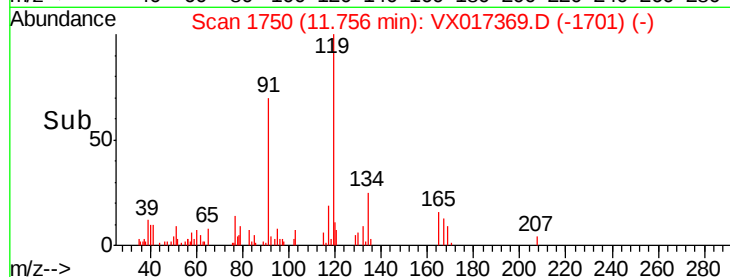
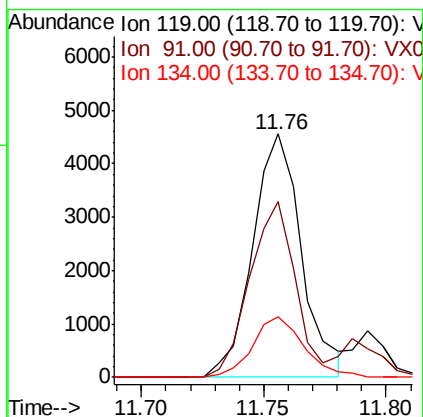
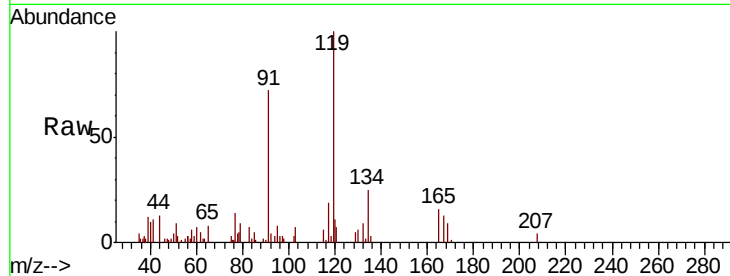




#83
 tert-Butylbenzene
 Concen: 0.583 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

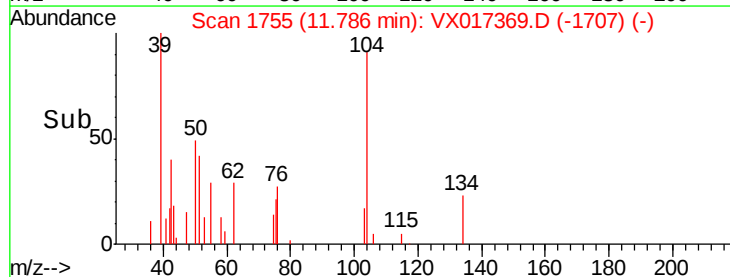
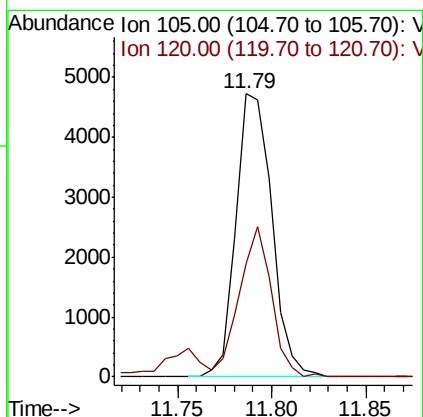
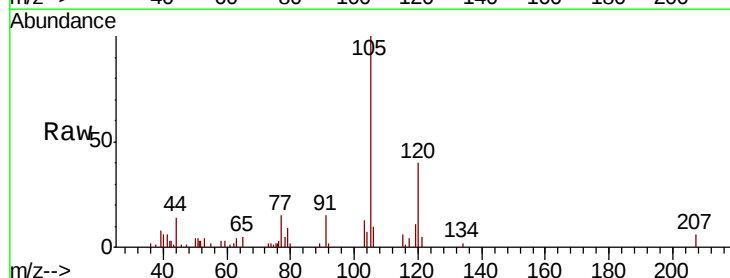
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

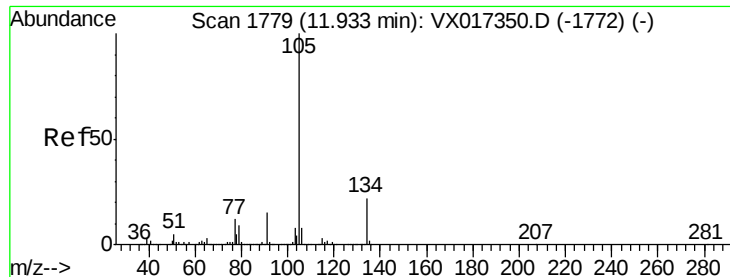
Tot Ion:119 Resp: 6371
 Ion Ratio Lower Upper
 119 100
 91 67.0 28.5 85.6
 134 26.3 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 0.547 ug/l
 RT: 11.79 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion:105 Resp: 6247
 Ion Ratio Lower Upper
 105 100
 120 47.4 22.8 68.4

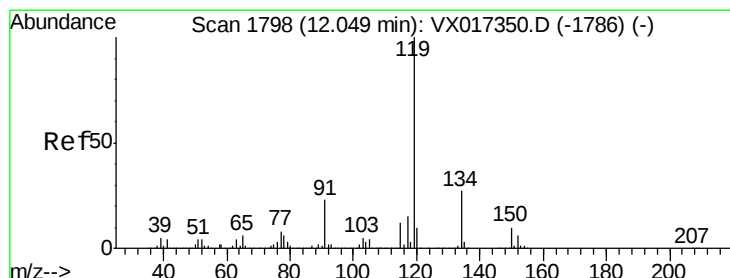
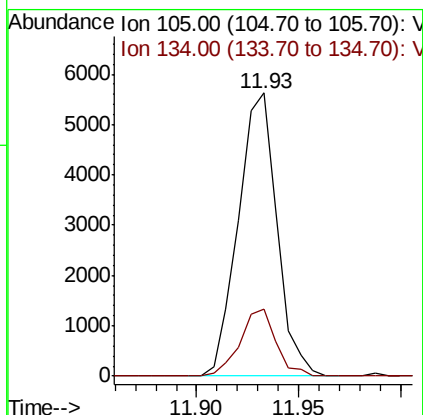
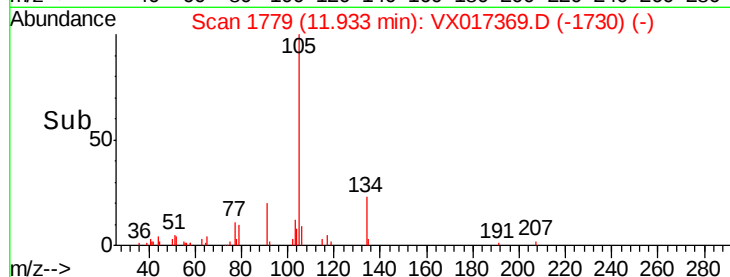
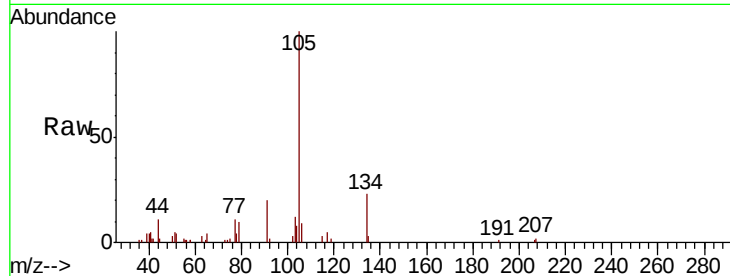




#85
 sec-Butylbenzene
 Concen: 0.579 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

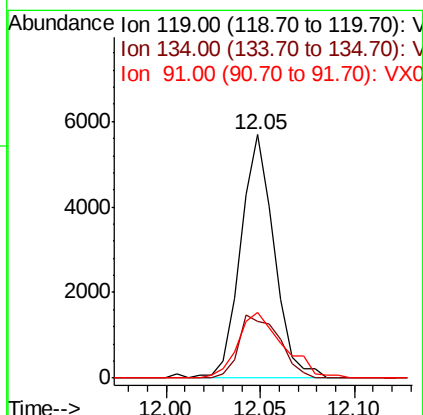
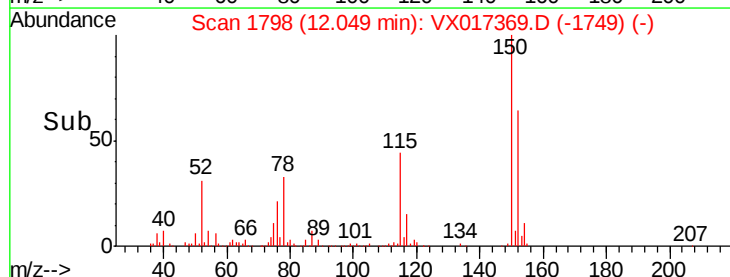
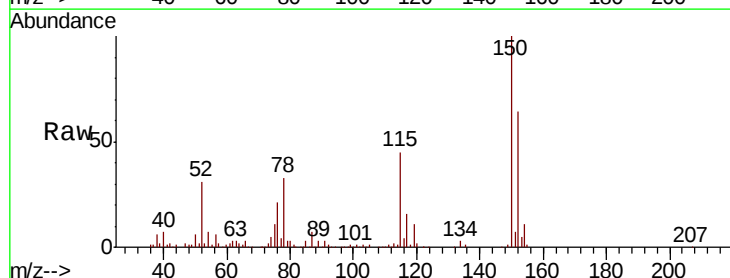
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

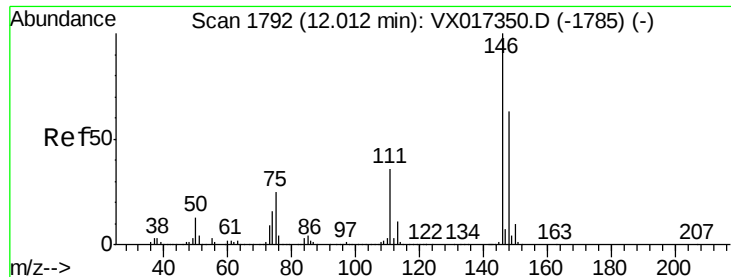
Tot Ion:105 Resp: 7414
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 0.579 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion:119 Resp: 7010
 Ion Ratio Lower Upper
 119 100
 134 31.2 13.5 40.5
 91 36.7 11.8 35.3#

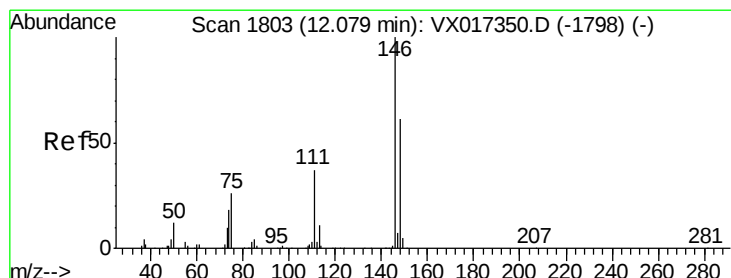
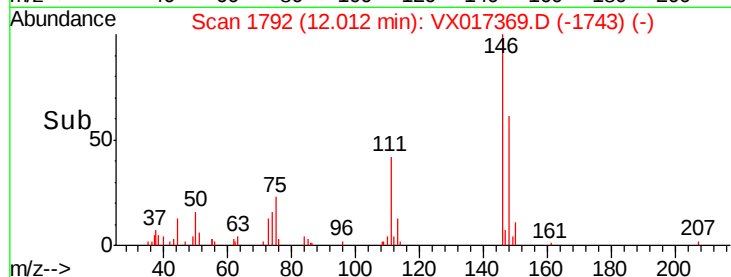
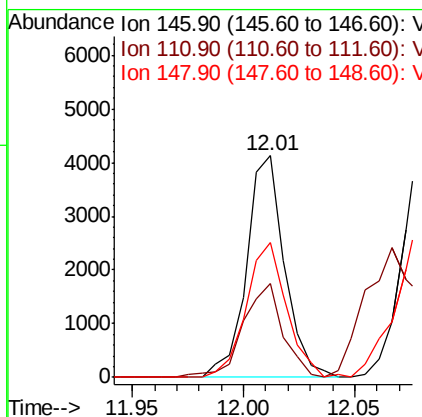
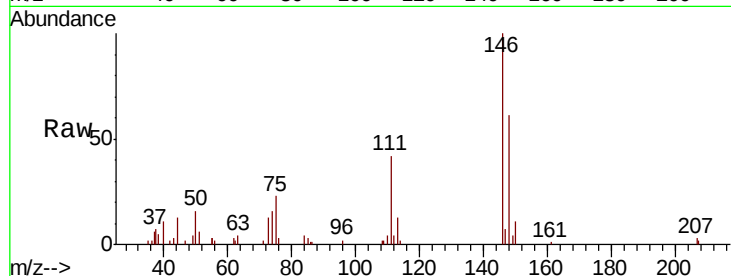




#87
 1,3-Dichlorobenzene
 Concen: 0.724 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

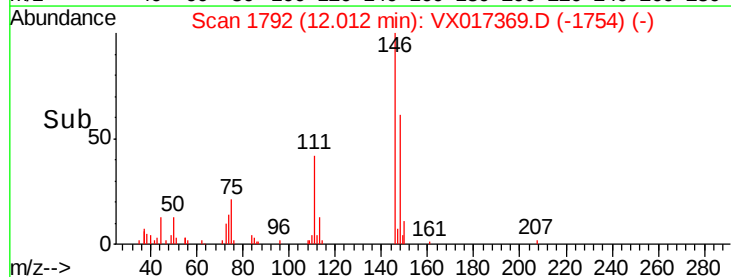
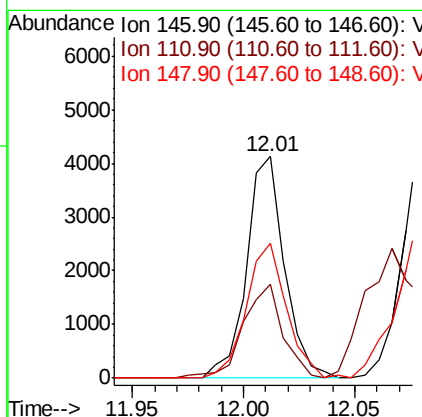
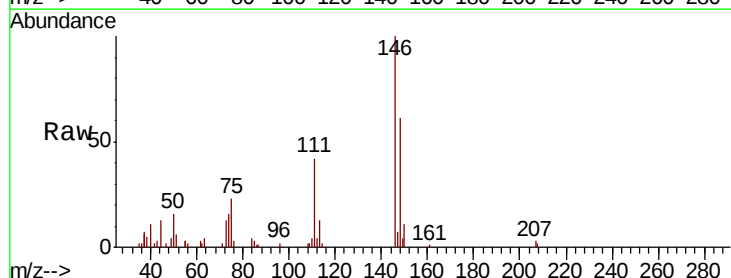
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

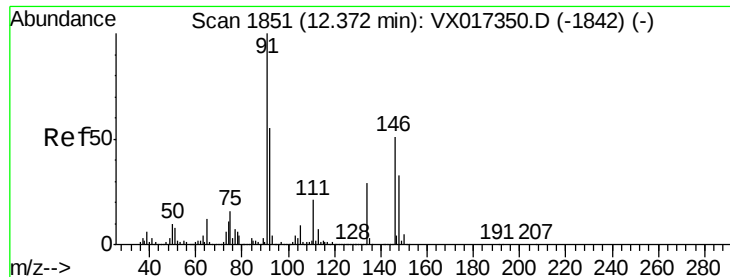
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	19.2	57.6
148	64.8	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 0.717 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.07 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	18.9	56.9
148	64.8	31.9	95.9

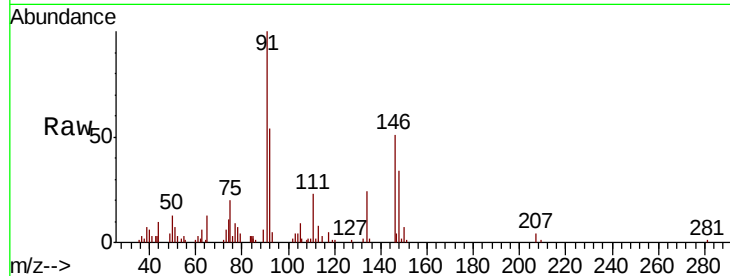




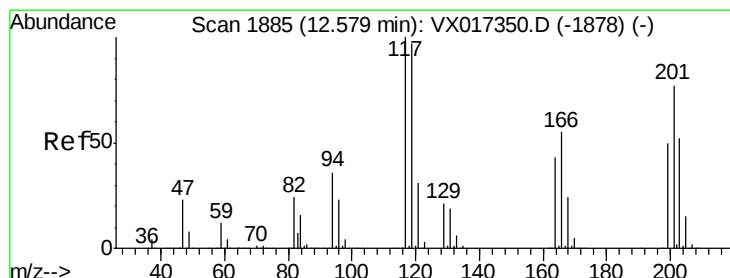
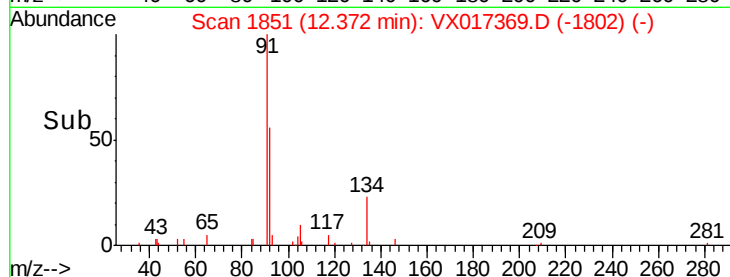
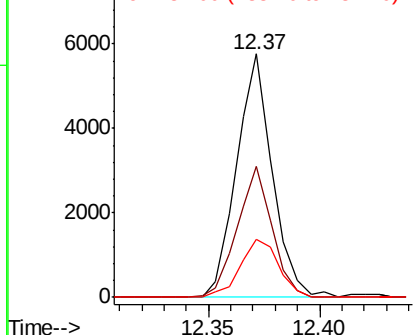
#89
n-Butylbenzene
Concen: 0.624 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 6440
Ion Ratio Lower Upper
91 100
92 52.5 27.0 81.0
134 25.6 14.1 42.2

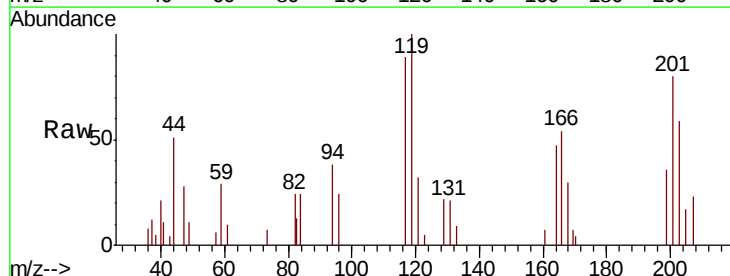


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

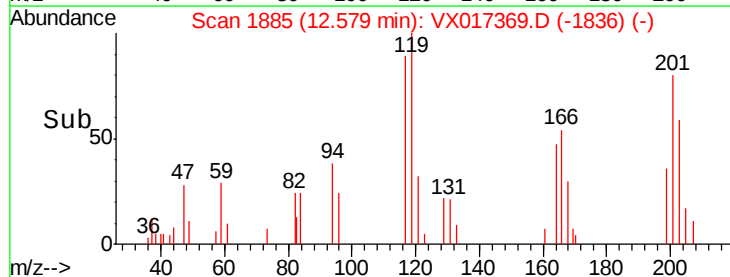
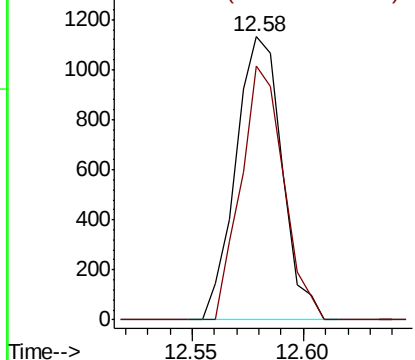


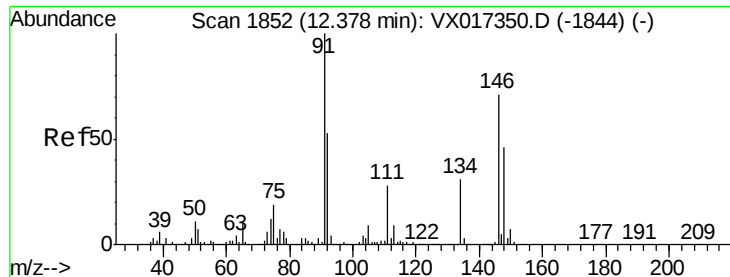
#90
Hexachloroethane
Concen: 0.714 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion: 117 Resp: 1641
Ion Ratio Lower Upper
117 100
201 82.8 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

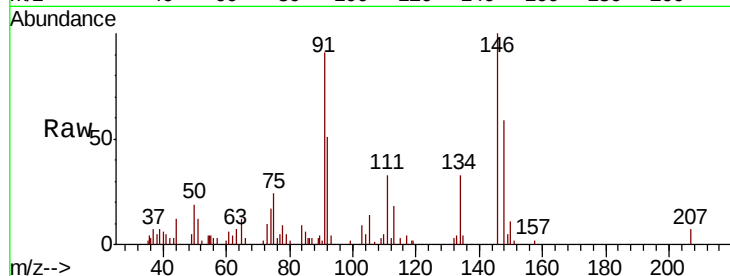




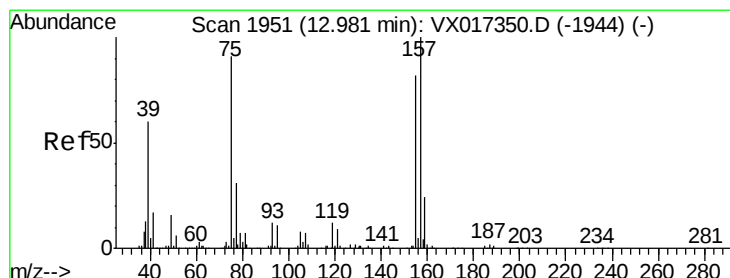
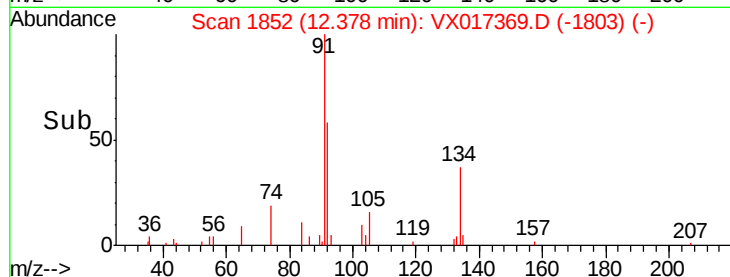
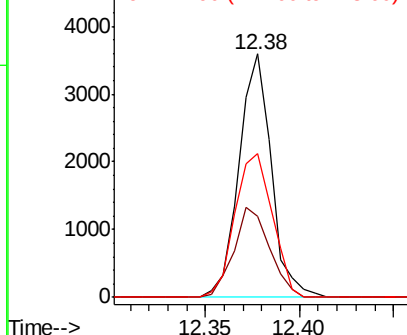
#91
 1,2-Dichlorobenzene
 Concen: 0.668 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion:146 Resp: 4263
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.3 61.0
 148 68.8 32.0 96.0

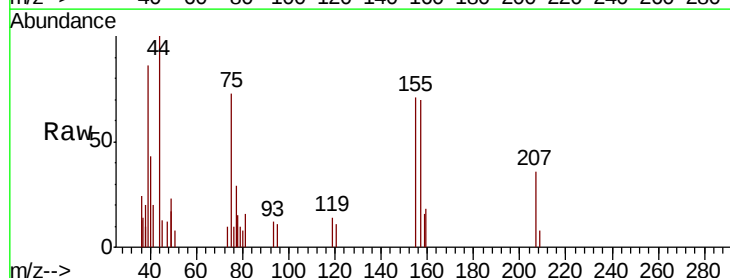


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

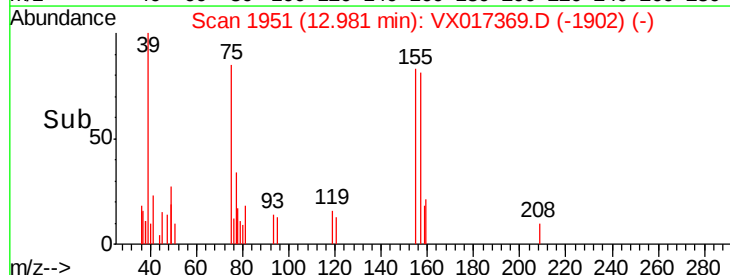
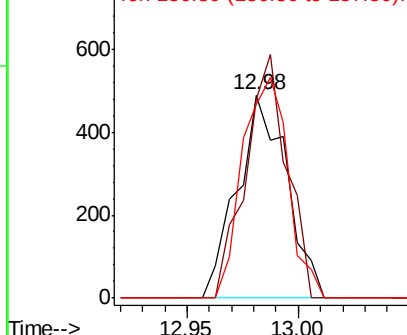


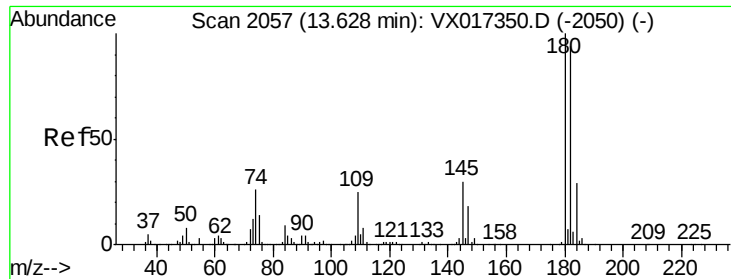
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.712 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion: 75 Resp: 760
 Ion Ratio Lower Upper
 75 100
 155 98.8 46.5 139.3
 157 100.3 58.0 173.9



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

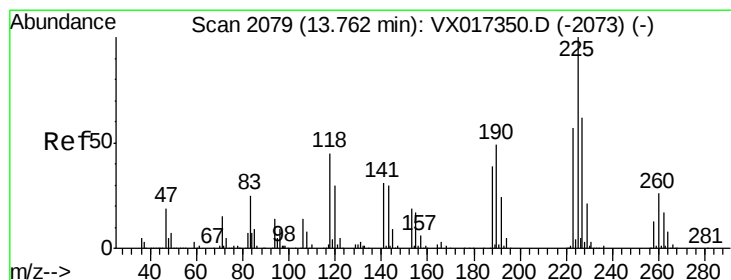
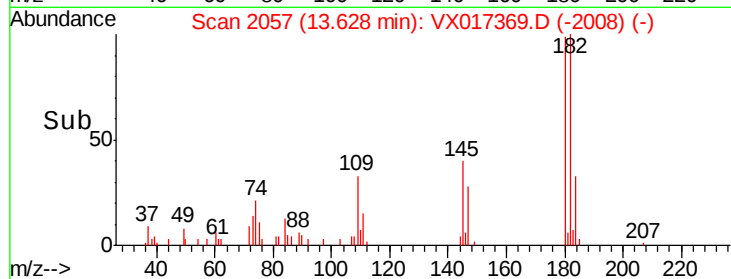
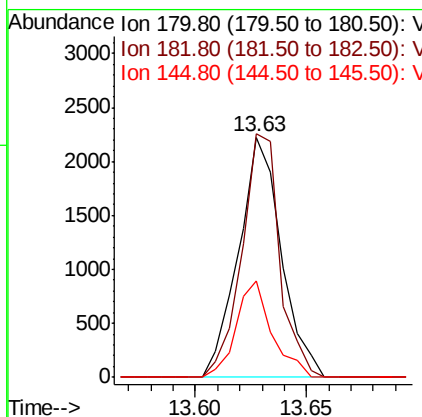
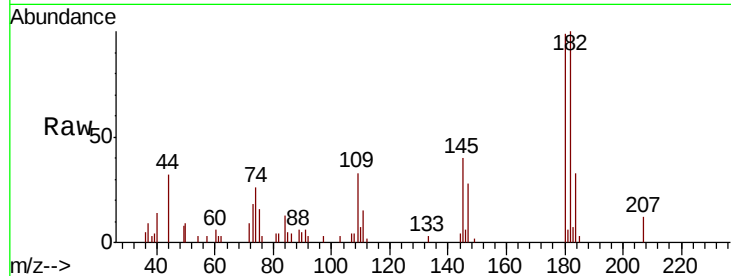




#93
 1,2,4-Trichlorobenzene
 Concen: 0.671 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

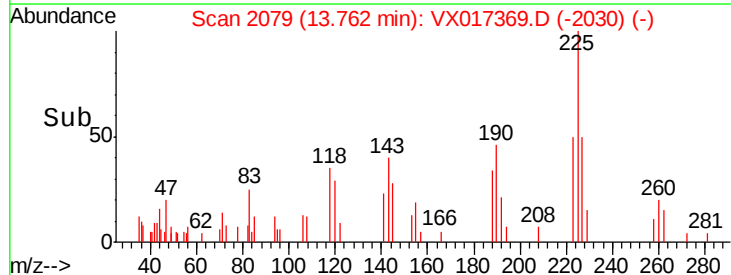
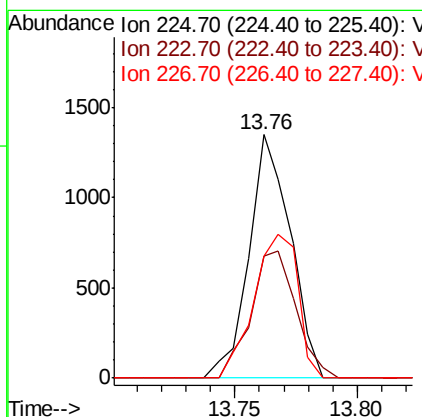
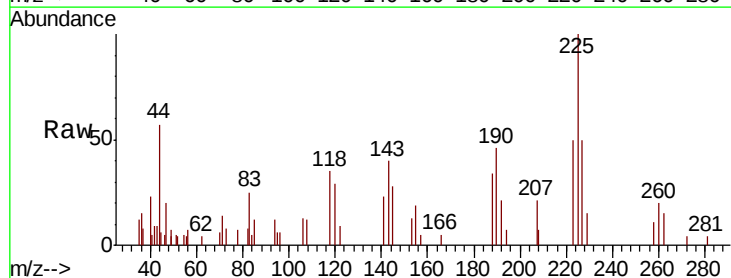
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

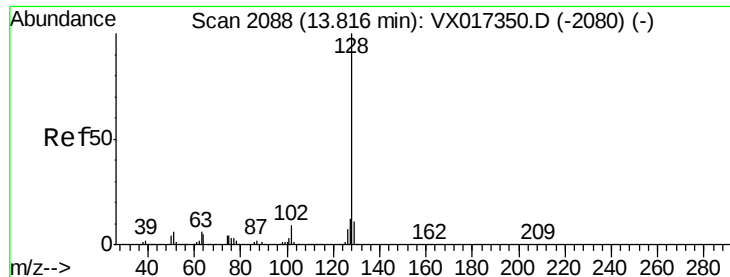
Tot Ion:180 Resp: 2970
 Ion Ratio Lower Upper
 180 100
 182 90.2 48.4 145.0
 145 33.7 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 0.884 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX017369.D
 Acq: 14 Jul 2020 11:26

Tgt Ion:225 Resp: 1596
 Ion Ratio Lower Upper
 225 100
 223 56.8 31.3 93.8
 227 62.9 31.6 95.0

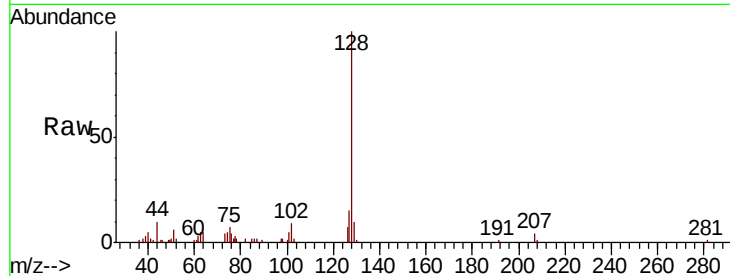




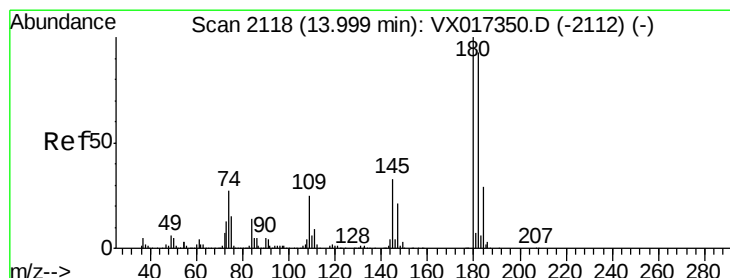
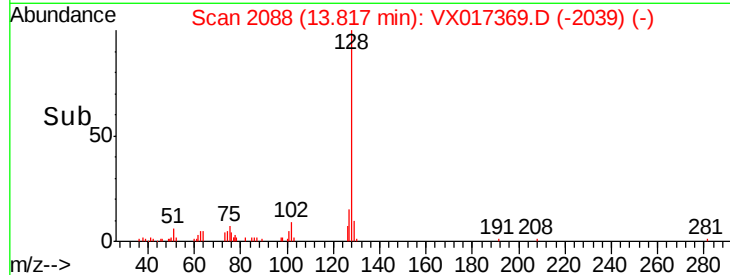
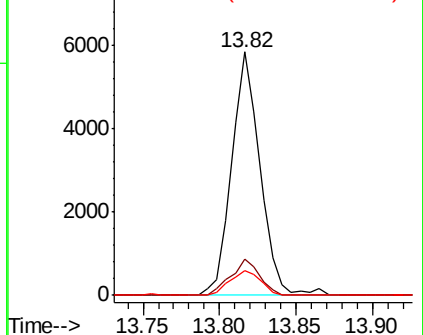
#95
Naphthalene
Concen: 0.580 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion:128 Resp: 7553
Ion Ratio Lower Upper
128 100
127 15.0 10.2 15.4
129 10.9 8.9 13.3

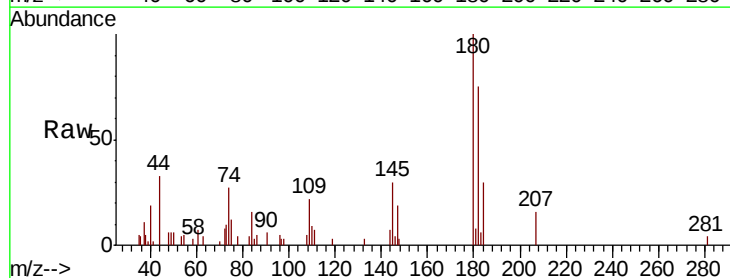


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.663 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017369.D
Acq: 14 Jul 2020 11:26

Tgt Ion:180 Resp: 2837
Ion Ratio Lower Upper
180 100
182 92.8 48.8 146.3
145 34.8 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

