

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017374.D
 Acq On : 14 Jul 2020 13:26
 Operator : JC/SP
 Sample : L3216-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 15 02:09:26 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	5.64	168	315397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	507942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	473073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	240574	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	180092	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	
35) Dibromofluoromethane	5.46	113	146504	42.82	ug/l	0.00
Spiked Amount			Recovery	=	85.64%	
50) Toluene-d8	8.70	98	507742	41.14	ug/l	0.00
Spiked Amount			Recovery	=	82.28%	
62) 4-Bromofluorobenzene	11.12	95	184698	37.67	ug/l	0.00
Spiked Amount			Recovery	=	75.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1527	0.572	ug/l #	47
3) Chloromethane	1.31	50	1981	0.659	ug/l	91
4) Vinyl Chloride	1.40	62	2194	0.738	ug/l	100
5) Bromomethane	1.64	94	2102	1.086	ug/l #	77
6) Chloroethane	1.72	64	1505	0.802	ug/l #	87
7) Trichlorofluoromethane	1.92	101	3257	0.649	ug/l #	83
8) Diethyl Ether	2.17	74	1565	0.883	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.36	101	2130	0.745	ug/l	86
10) Methyl Iodide	2.49	142	1995	0.575	ug/l	94
11) Tert butyl alcohol	3.01	59	2686	4.027	ug/l #	88
12) 1,1-Dichloroethene	2.36	96	2276	0.793	ug/l #	76
13) Acrolein	2.27	56	993	2.716	ug/l	93
14) Allyl chloride	2.71	41	3594	0.723	ug/l	99
15) Acrylonitrile	3.12	53	5597	3.462	ug/l	95
16) Acetone	2.42	43	6195	4.387	ug/l	96
17) Carbon Disulfide	2.55	76	6385	0.763	ug/l	98
18) Methyl Acetate	2.75	43	2444	0.701	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	6610	0.678	ug/l #	86
20) Methylene Chloride	2.84	84	3058	0.888	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	2504	0.763	ug/l	80
22) Diisopropyl ether	3.83	45	6371	0.673	ug/l	97
23) Vinyl Acetate	3.79	43	24137	2.897	ug/l	100
24) 1,1-Dichloroethane	3.67	63	4306	0.773	ug/l #	89
25) 2-Butanone	4.64	43	8073	3.599	ug/l	99
26) 2,2-Dichloropropane	4.54	77	3490	0.674	ug/l	92
27) cis-1,2-Dichloroethene	4.56	96	3022	0.839	ug/l	86
28) Bromochloromethane	4.98	49	2207	0.858	ug/l #	89
29) Tetrahydrofuran	5.10	42	4794	3.302	ug/l	97
30) Chloroform	5.18	83	4116	0.687	ug/l	93
31) Cyclohexane	5.56	56	2953	0.648	ug/l	85
32) 1,1,1-Trichloroethane	5.46	97	3840	0.693	ug/l #	44
36) 1,1-Dichloropropene	5.77	75	3407	0.729	ug/l	98
37) Ethyl Acetate	4.81	43	2957	0.612	ug/l #	94
38) Carbon Tetrachloride	5.76	117	3129	0.572	ug/l #	83

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

39) Methylcyclohexane	7.43	83	3316	0.654	ug/l #	91
40) Benzene	6.11	78	8415	0.627	ug/l	91
41) Methacrylonitrile	5.01	41	2343	0.903	ug/l #	83
42) 1,2-Dichloroethane	6.17	62	3771	0.723	ug/l	84
43) Isopropyl Acetate	6.42	43	5054	0.655	ug/l #	91
44) Trichloroethene	7.20	130	2990	0.729	ug/l	99
45) 1,2-Dichloropropane	7.49	63	2220	0.646	ug/l #	84
46) Dibromomethane	7.64	93	1746	0.705	ug/l	93
47) Bromodichloromethane	7.88	83	3438	0.664	ug/l	87
48) Methyl methacrylate	7.74	41	2417	0.652	ug/l #	86
49) 1,4-Dioxane	7.72	88	1013	13.361	ug/l #	72
51) 4-Methyl-2-Pentanone	8.62	43	13003	2.762	ug/l	100
52) Toluene	8.77	92	5516	0.640	ug/l	95
53) t-1,3-Dichloropropene	9.02	75	3444	0.617	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	3488	0.586	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	2363	0.658	ug/l	90
56) Ethyl methacrylate	9.16	69	2574	0.505	ug/l #	74
57) 1,3-Dichloropropane	9.35	76	3934	0.658	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.29	63	6937	2.678	ug/l	100
59) 2-Hexanone	9.48	43	9707	2.732	ug/l	92
60) Dibromochloromethane	9.57	129	2719	0.619	ug/l	91
61) 1,2-Dibromoethane	9.65	107	2641	0.676	ug/l	99
64) Tetrachloroethene	9.32	164	3220	0.786	ug/l	87
65) Chlorobenzene	10.12	112	6306	0.656	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.21	131	2639	0.689	ug/l #	64
67) Ethyl Benzene	10.24	91	9121	0.570	ug/l	97
68) m/p-Xylenes	10.34	106	6968	1.144	ug/l	96
69) o-Xylene	10.68	106	3392	0.583	ug/l	89
70) Styrene	10.70	104	5203	0.521	ug/l	94
71) Bromoform	10.84	173	1908	0.591	ug/l #	89
73) Isopropylbenzene	11.01	105	8236	0.546	ug/l	95
74) N-amyl acetate	10.88	43	3170	0.525	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	2945	0.643	ug/l	93
76) 1,2,3-Trichloropropane	11.28	75	4319	0.972	ug/l	95
77) Bromobenzene	11.24	156	3048	0.710	ug/l	99
78) n-propylbenzene	11.35	91	10641	0.628	ug/l	100
79) 2-Chlorotoluene	11.41	91	6695	0.641	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	6927	0.541	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	92585	52.834	ug/l #	11
82) 4-Chlorotoluene	11.49	91	7863	0.636	ug/l	97
83) tert-Butylbenzene	11.75	119	6819	0.551	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	6686	0.517	ug/l	99
85) sec-Butylbenzene	11.93	105	7657	0.529	ug/l	95
86) p-Isopropyltoluene	12.05	119	7183	0.524	ug/l #	84
87) 1,3-Dichlorobenzene	12.01	146	4886	0.636	ug/l	93
88) 1,4-Dichlorobenzene	12.01	146	4886	0.629	ug/l	93
89) n-Butylbenzene	12.37	91	7076	0.605	ug/l	96
90) Hexachloroethane	12.58	117	1574	0.605	ug/l	94
91) 1,2-Dichlorobenzene	12.37	146	4834	0.669	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	922	0.763	ug/l	85

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Quant Title : SW846 8260
QLast Update : Wed Jul 15 02:05:30 2020
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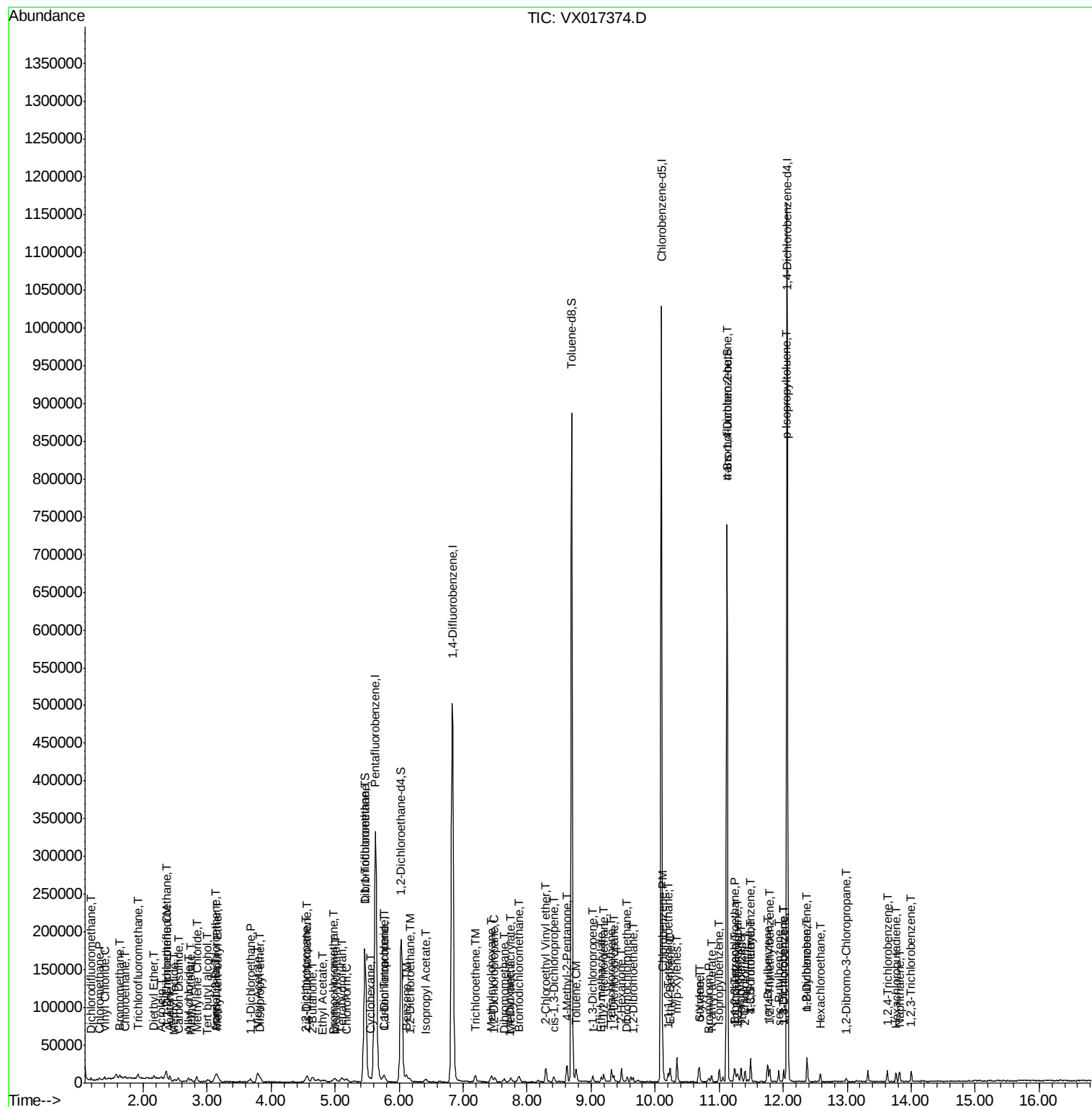
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3165	0.631	ug/l	96
94) Hexachlorobutadiene	13.77	225	1506	0.737	ug/l	96
95) Naphthalene	13.82	128	7688	0.522	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.00	180	3234	0.668	ug/l	99

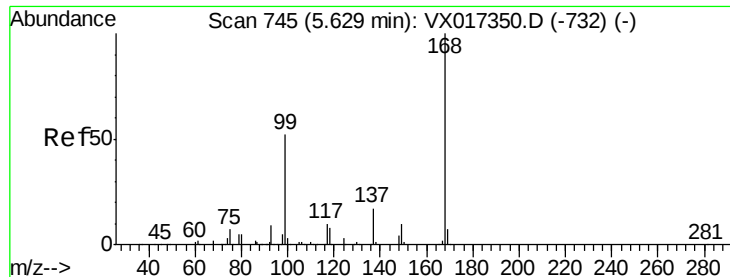
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

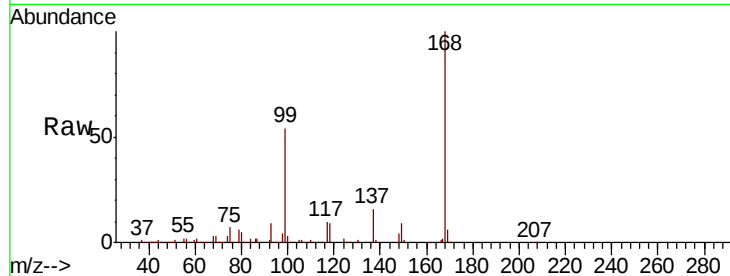
MDL-WATER-03-QT3-2020

Tot Ion:168 Resp: 315397

Ion Ratio Lower Upper

168 100

99 54.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

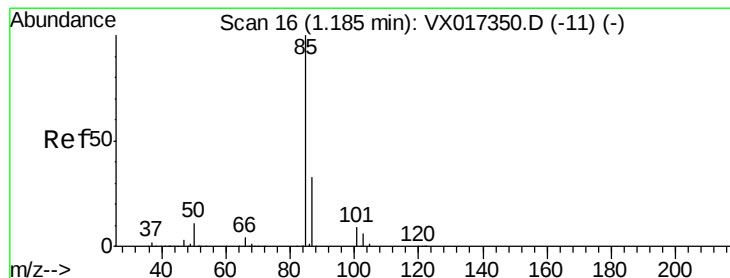
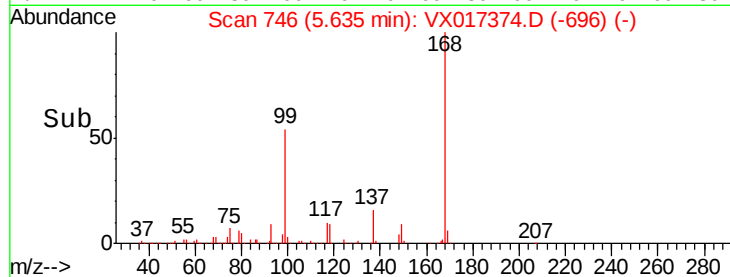
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.572 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017374.D

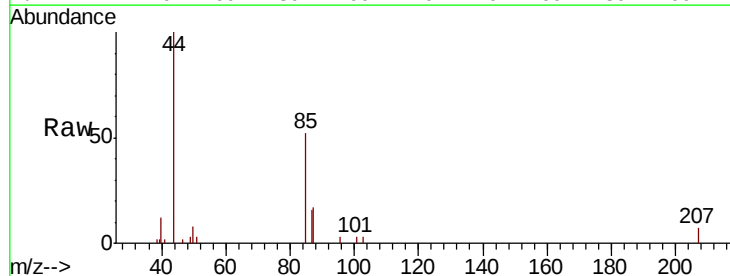
Acq: 14 Jul 2020 13:26

Tgt Ion: 85 Resp: 1527

Ion Ratio Lower Upper

85 100

87 62.5 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

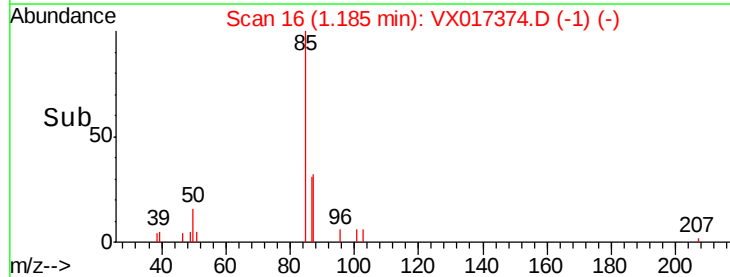
1500

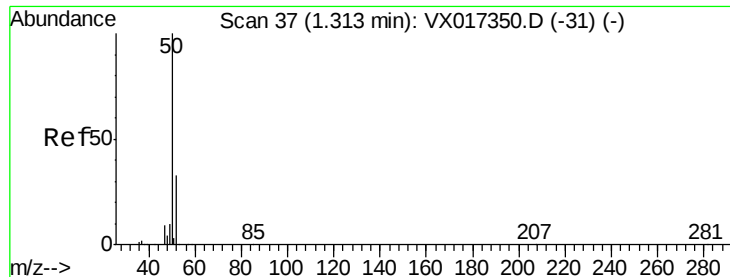
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.659 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

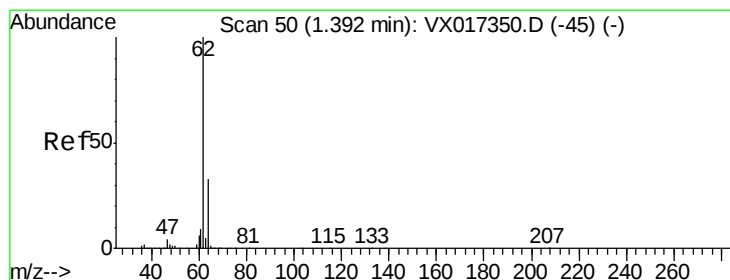
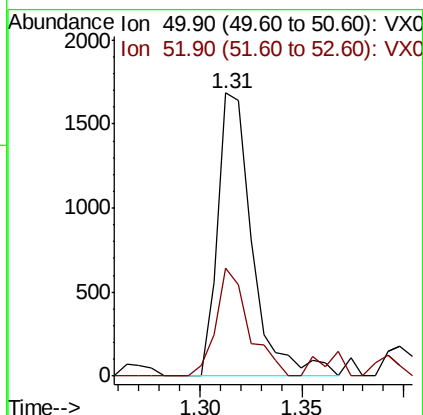
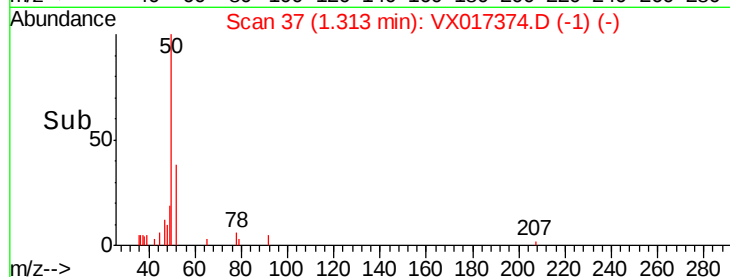
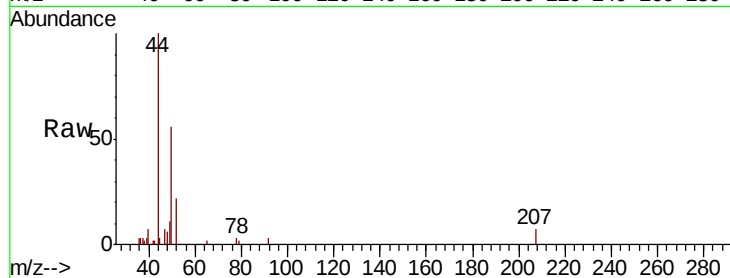
MDL-WATER-03-QT3-2020

Tot Ion: 50 Resp: 1981

Ion Ratio Lower Upper

50 100

52 38.4 26.7 40.1



#4

Vinyl Chloride

Concen: 0.738 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX017374.D

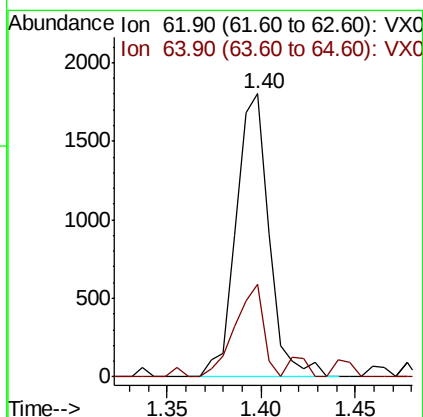
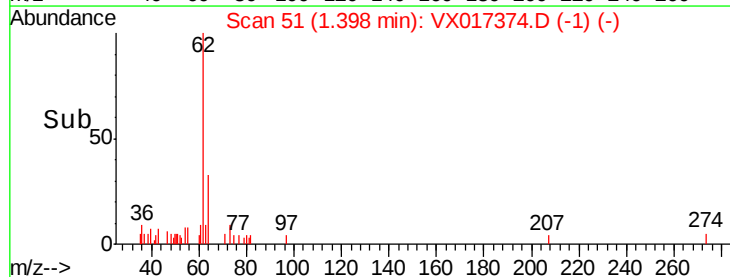
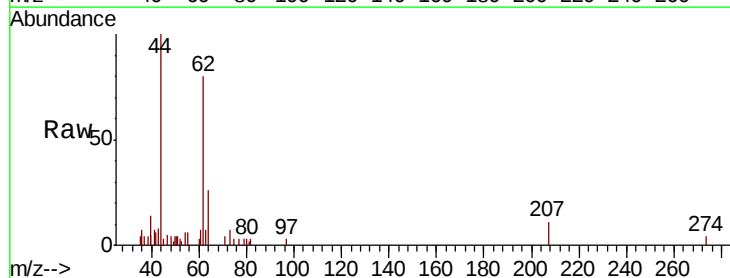
Acq: 14 Jul 2020 13:26

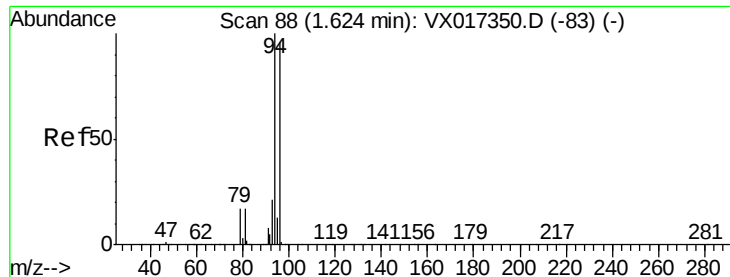
Tgt Ion: 62 Resp: 2194

Ion Ratio Lower Upper

62 100

64 32.7 26.3 39.5





#5

Bromomethane

Concen: 1.086 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

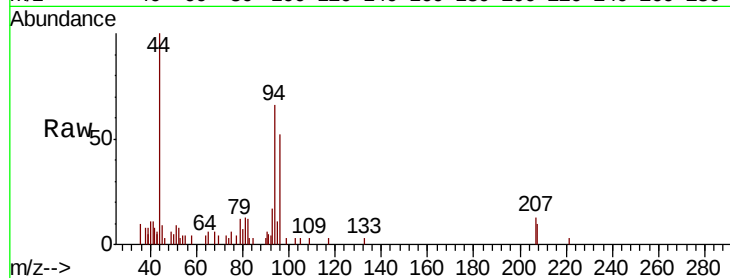
MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 2102

Ion Ratio Lower Upper

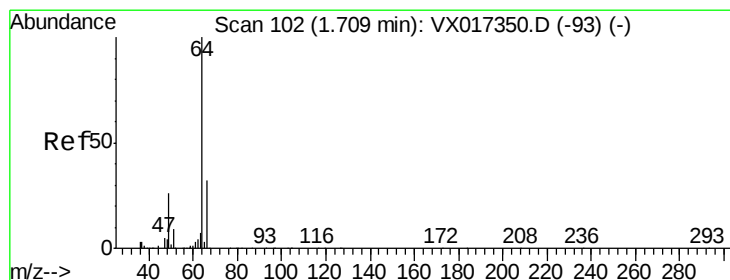
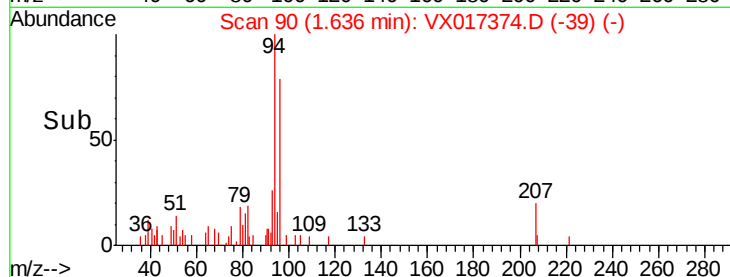
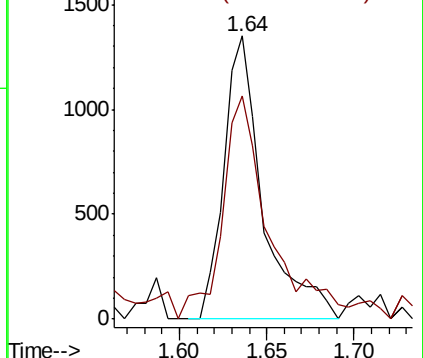
94 100

96 73.6 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: 0.802 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017374.D

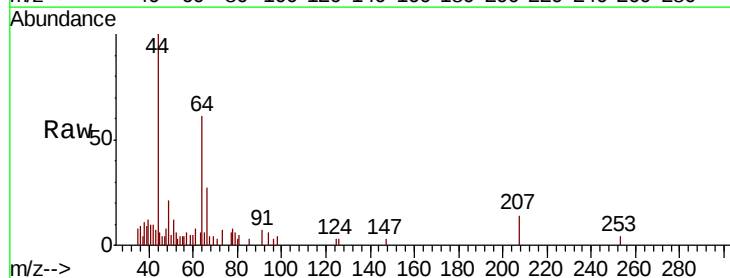
Acq: 14 Jul 2020 13:26

Tgt Ion: 64 Resp: 1505

Ion Ratio Lower Upper

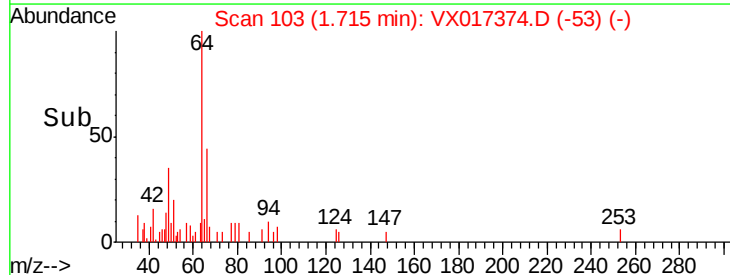
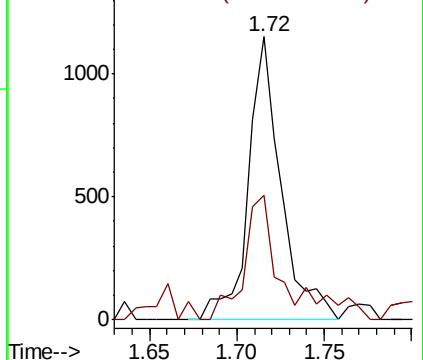
64 100

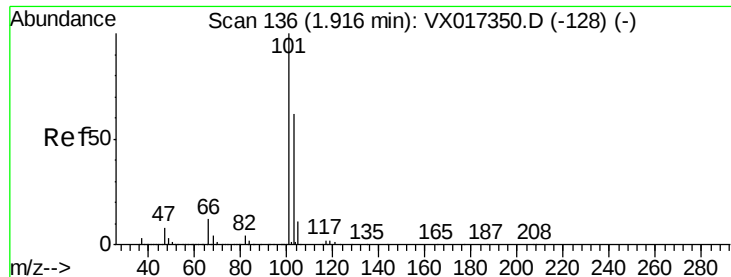
66 39.1 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 0.649 ug/l

RT: 1.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

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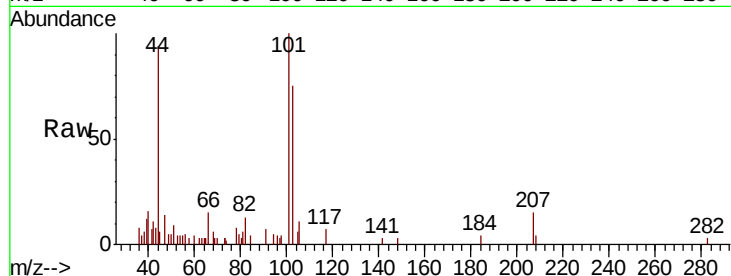
MDL-WATER-03-QT3-2020

Tot Ion:101 Resp: 3257

Ion Ratio Lower Upper

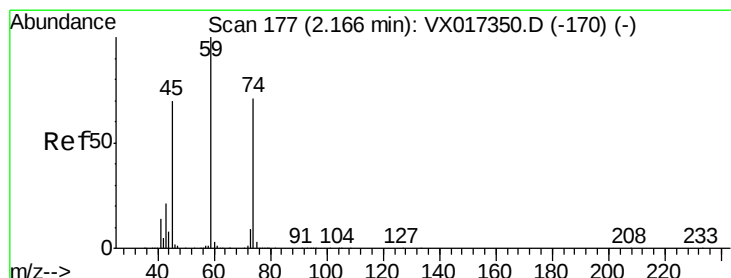
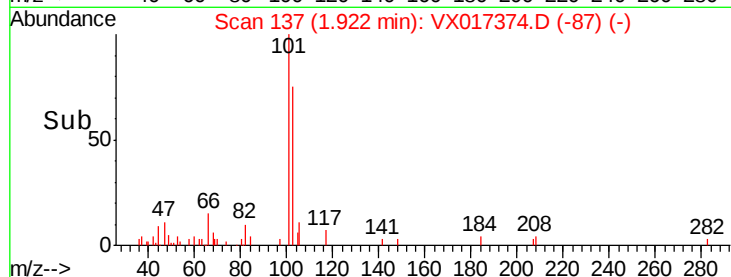
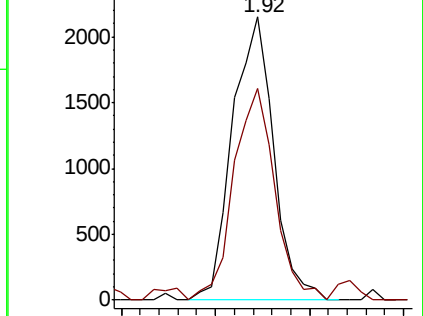
101 100

103 74.7 49.6 74.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.883 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017374.D

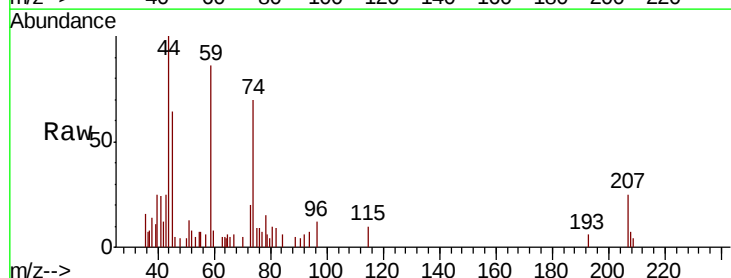
Acq: 14 Jul 2020 13:26

Tgt Ion: 74 Resp: 1565

Ion Ratio Lower Upper

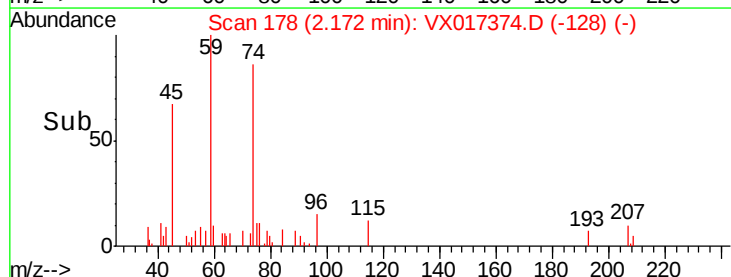
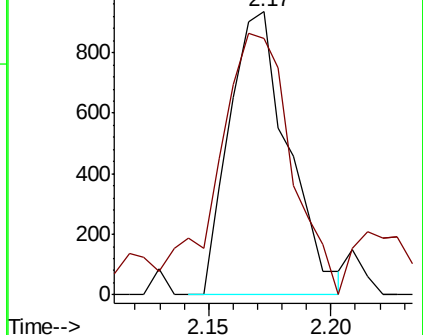
74 100

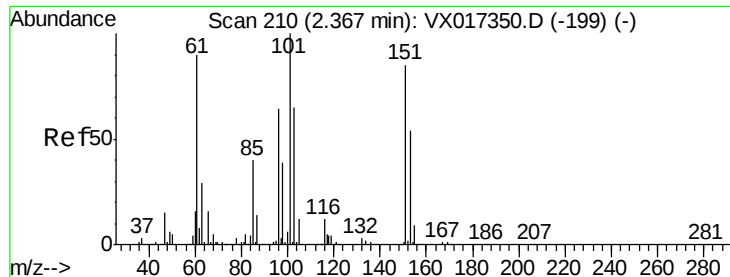
45 114.2 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.745 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

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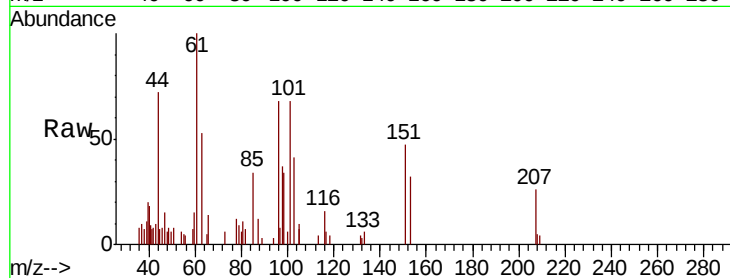
Tot Ion:101 Resp: 2130

Ion Ratio Lower Upper

101 100

85 46.7 33.7 50.5

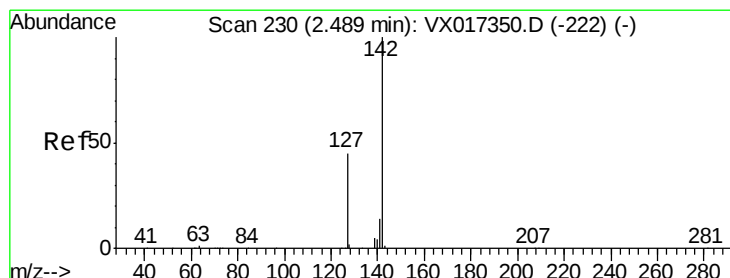
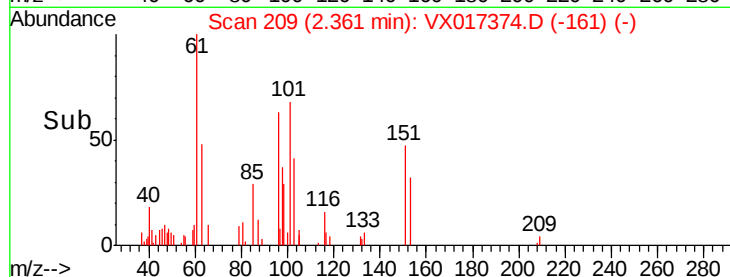
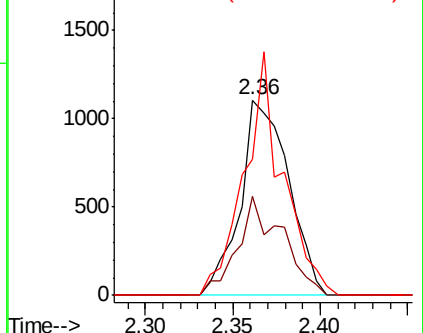
151 98.7 66.4 99.6



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: 0.575 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

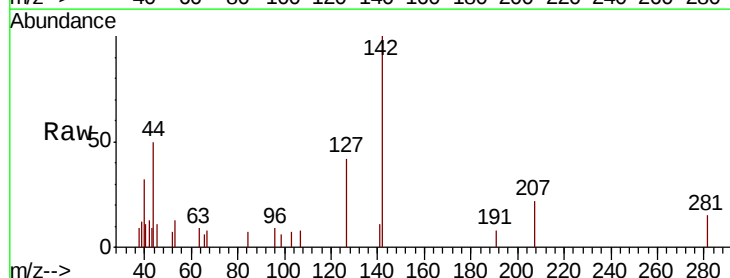
Tgt Ion:142 Resp: 1995

Ion Ratio Lower Upper

142 100

127 41.7 36.8 55.2

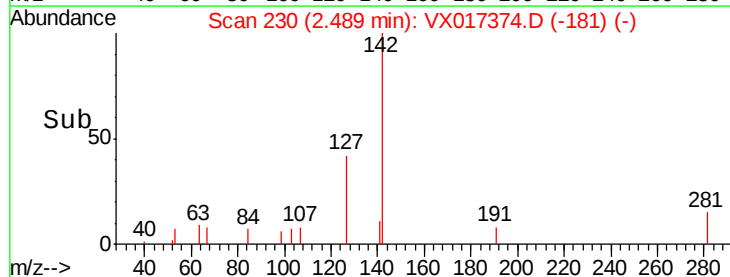
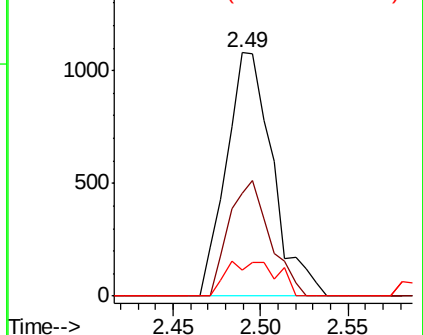
141 15.5 11.4 17.0

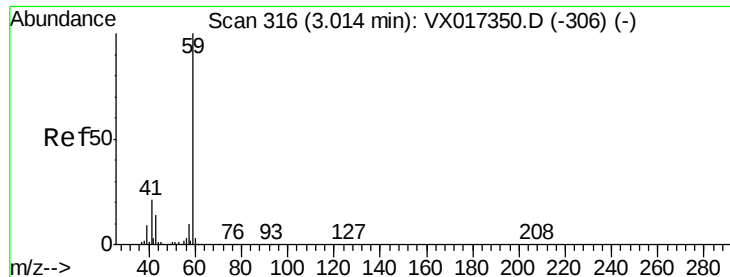


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

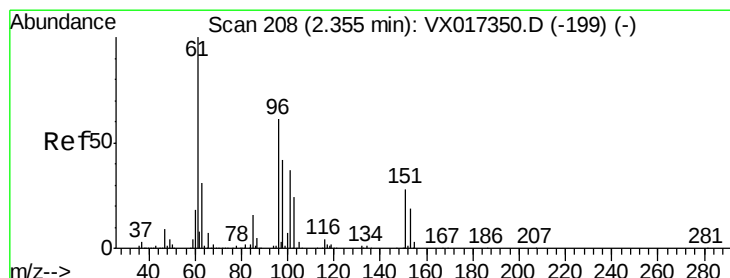
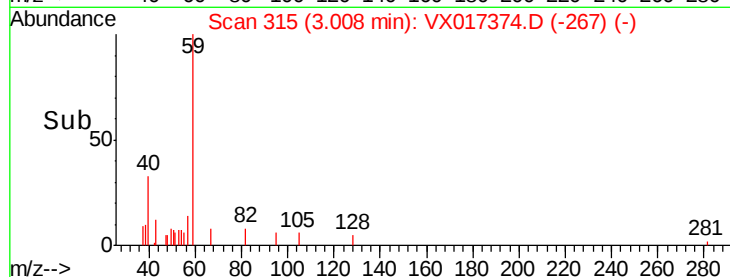
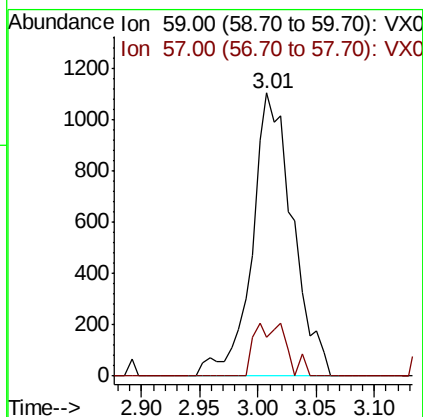
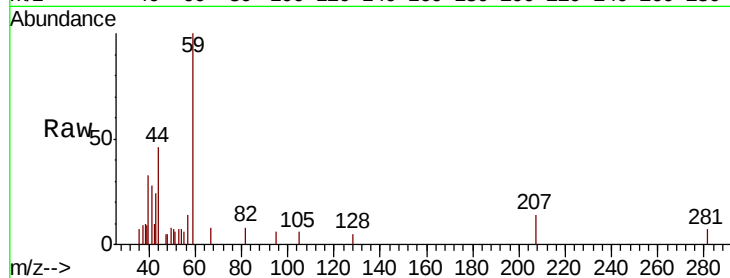




#11
Tert butyl alcohol
Concen: 4.027 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

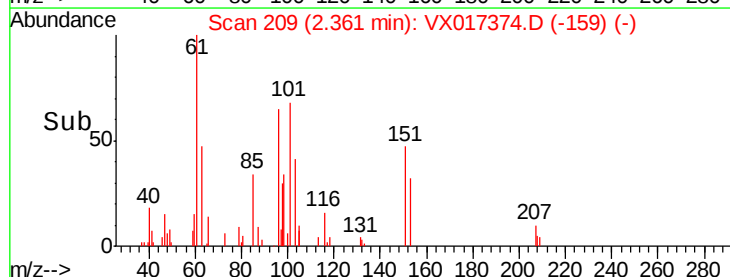
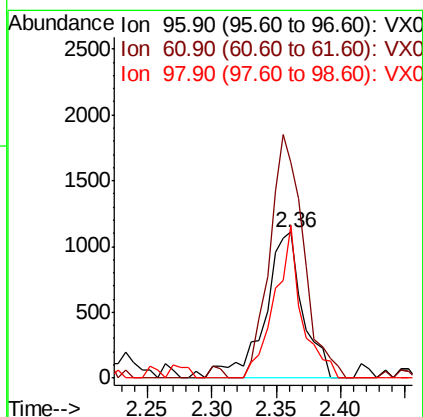
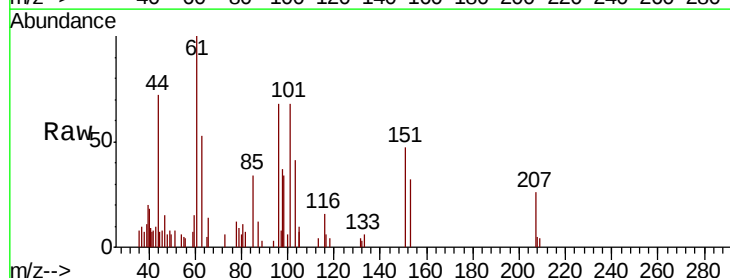
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

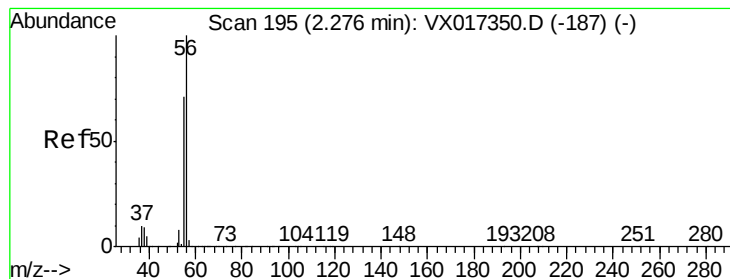
Tot Ion: 59 Resp: 2686
Ion Ratio Lower Upper
59 100
57 14.9 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.793 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 96 Resp: 2276
Ion Ratio Lower Upper
96 100
61 142.3 131.5 197.3
98 104.3 55.1 82.7#





#13

Acrolein

Concen: 2.716 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

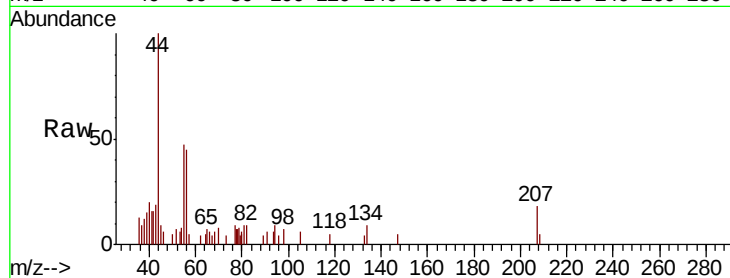
MDL-WATER-03-QT3-2020

Tot Ion: 56 Resp: 993

Ion Ratio Lower Upper

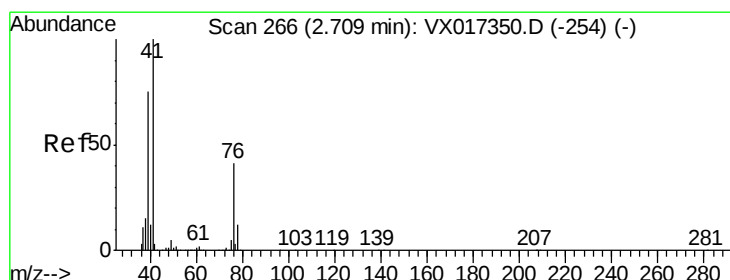
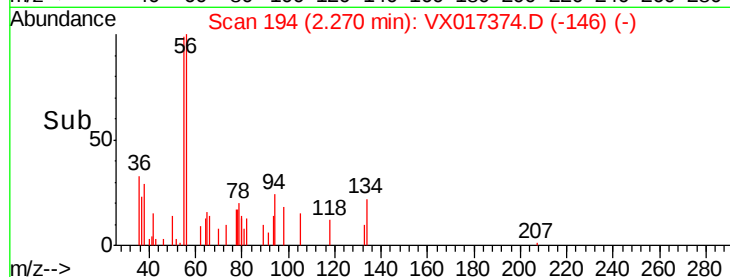
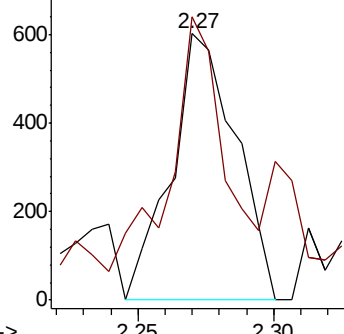
56 100

55 76.9 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.723 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

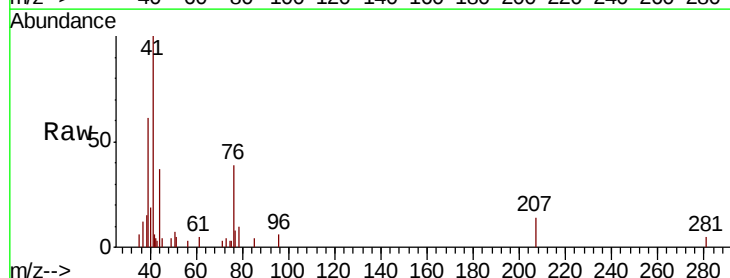
Tgt Ion: 41 Resp: 3594

Ion Ratio Lower Upper

41 100

39 66.9 53.0 79.4

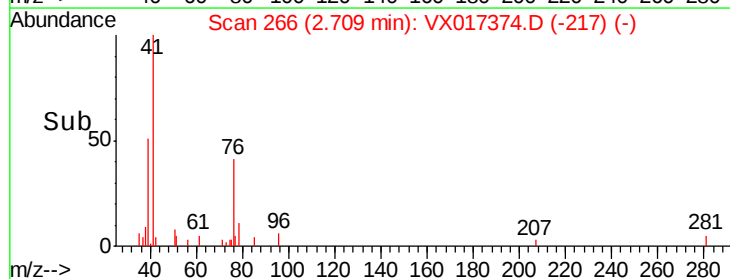
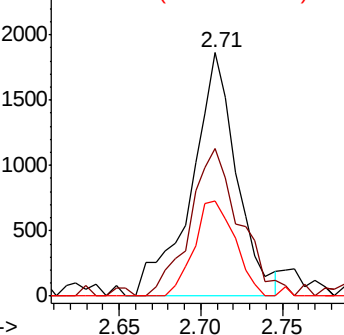
76 35.2 28.2 42.2

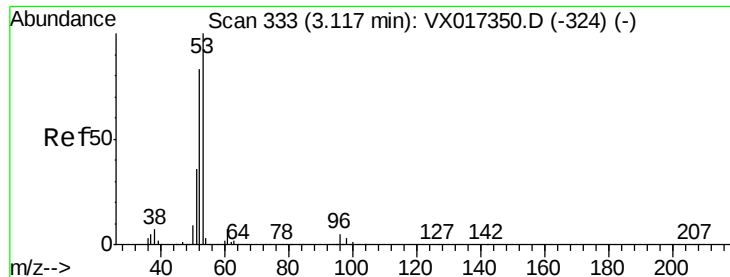


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 3.462 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

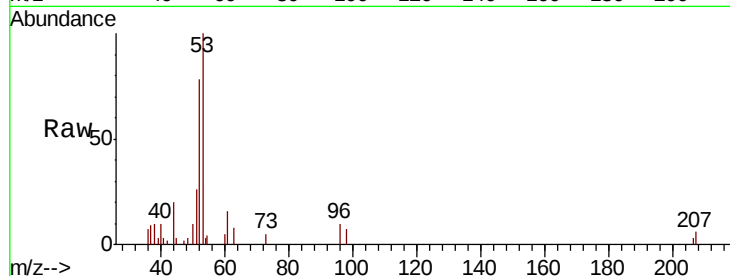
Tot Ion: 53 Resp: 5597

Ion Ratio Lower Upper

53 100

52 84.2 65.8 98.6

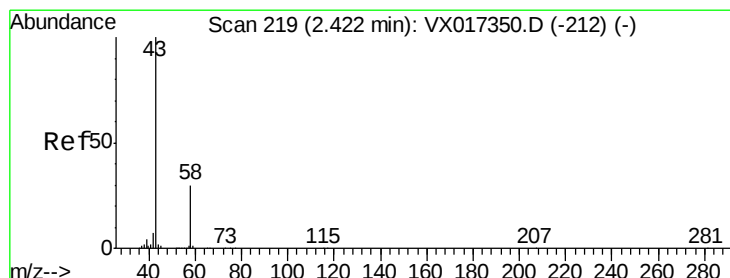
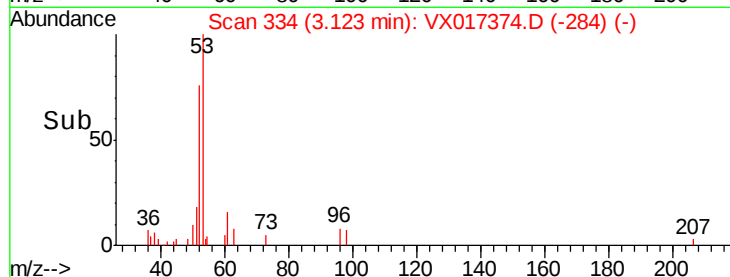
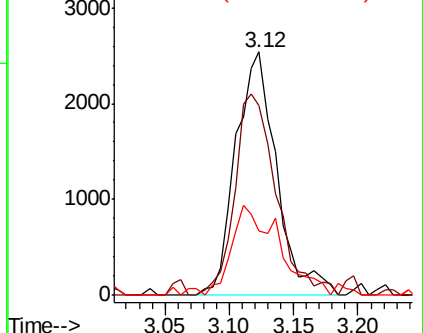
51 43.8 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 4.387 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017374.D

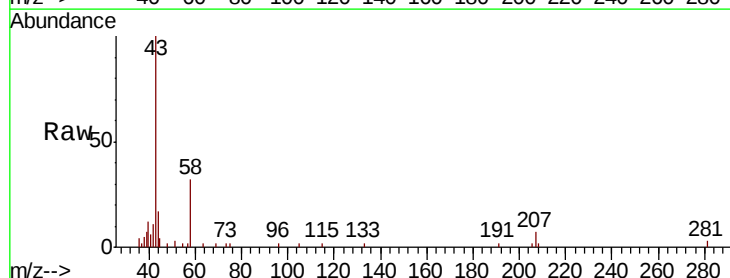
Acq: 14 Jul 2020 13:26

Tgt Ion: 43 Resp: 6195

Ion Ratio Lower Upper

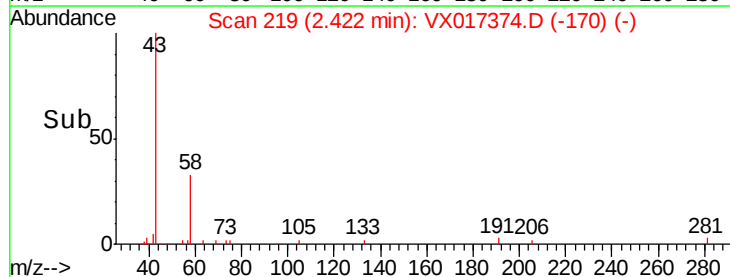
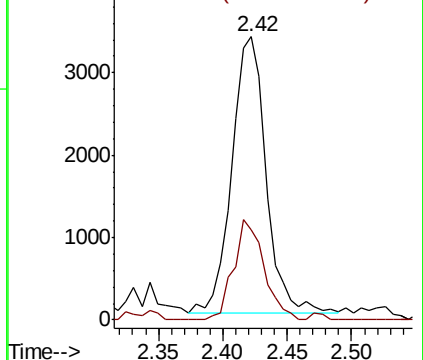
43 100

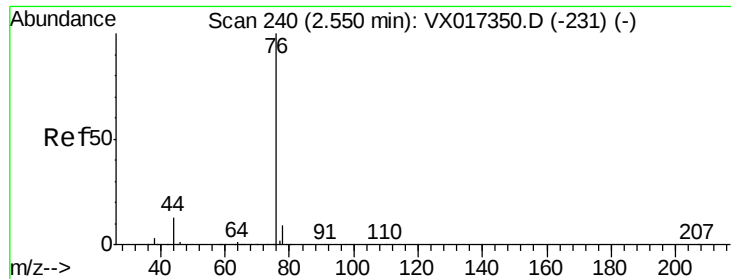
58 32.6 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

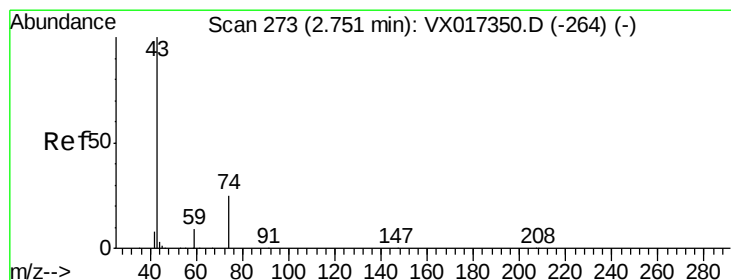
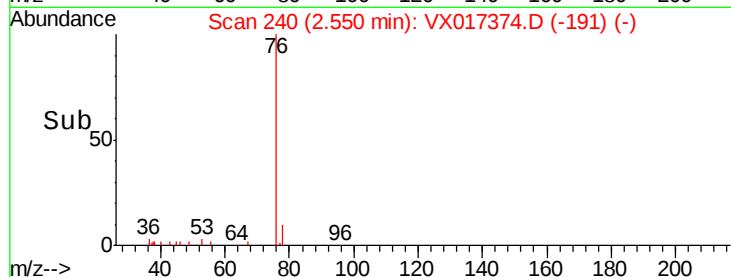
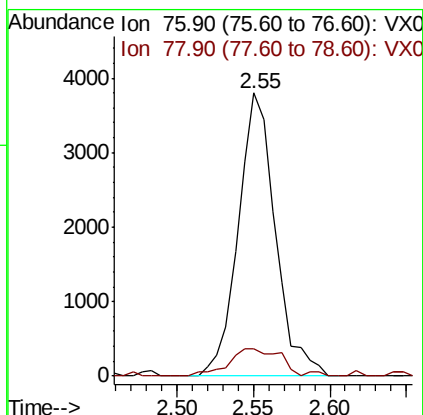
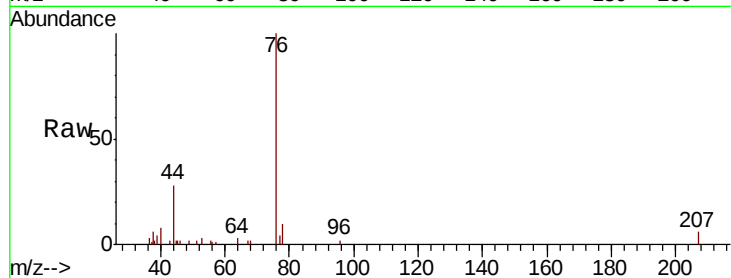




#17
Carbon Disulfide
Concen: 0.763 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

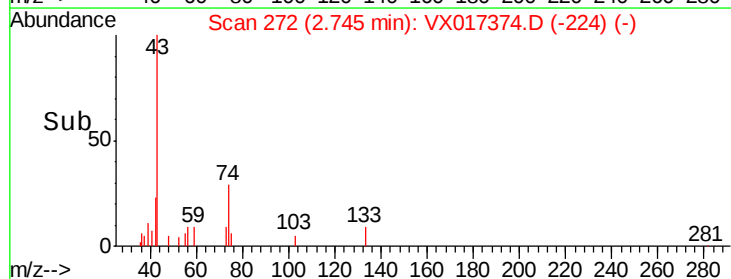
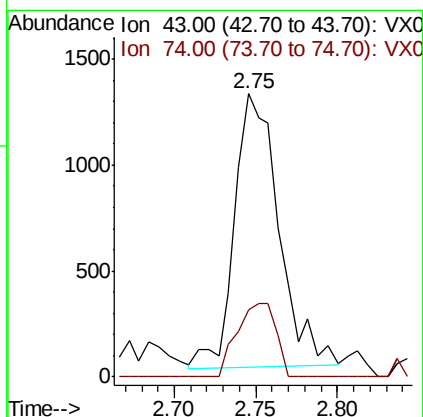
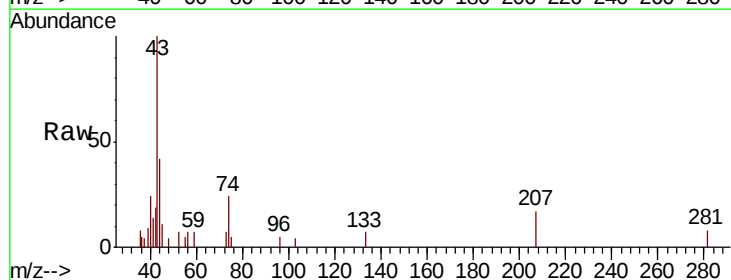
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

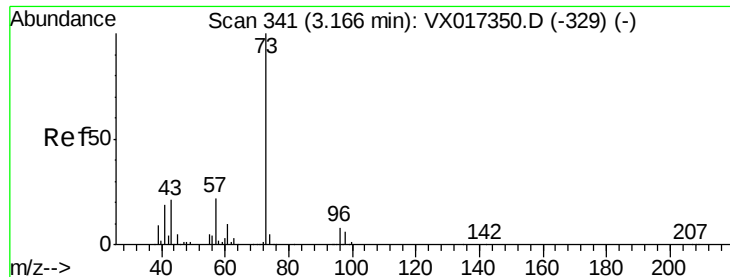
Tot Ion: 76 Resp: 6385
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9



#18
Methyl Acetate
Concen: 0.701 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 43 Resp: 2444
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 0.678 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

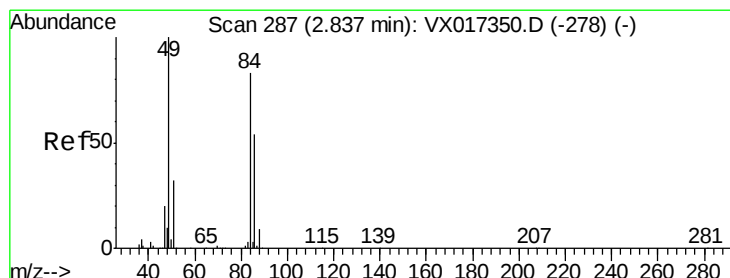
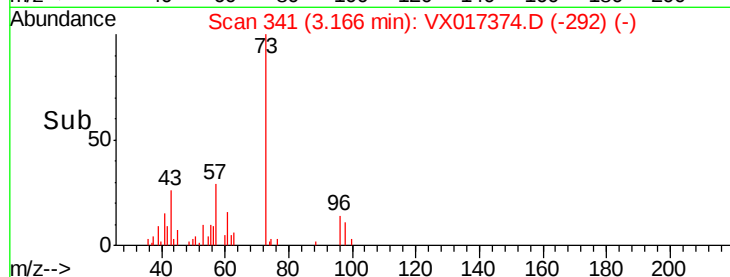
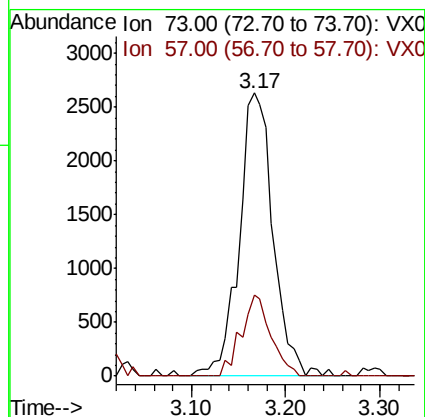
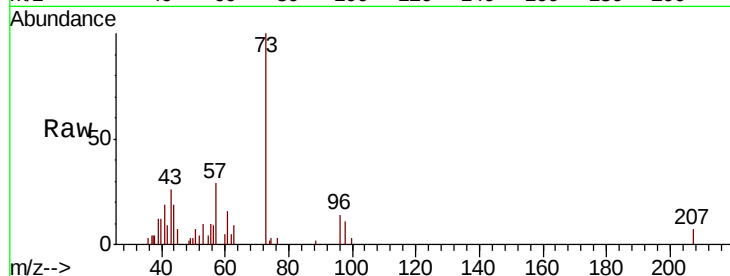
MDL-WATER-03-QT3-2020

Tot Ion: 73 Resp: 6610

Ion Ratio Lower Upper

73 100

57 28.6 17.5 26.3#



#20

Methylene Chloride

Concen: 0.888 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion: 84 Resp: 3058

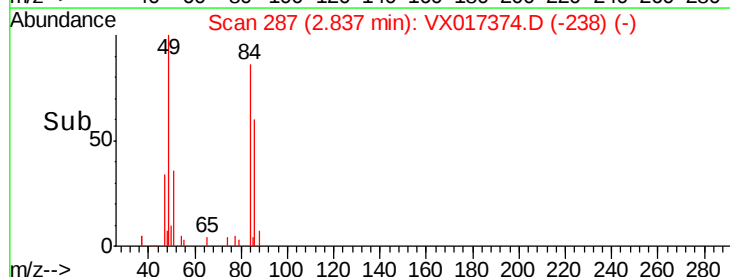
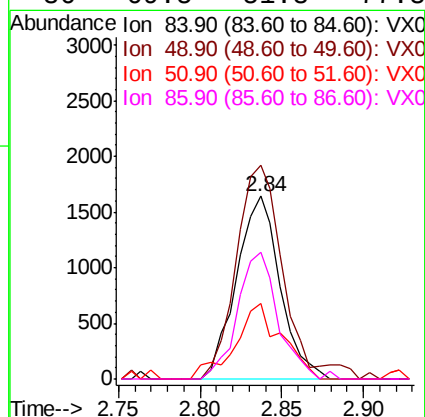
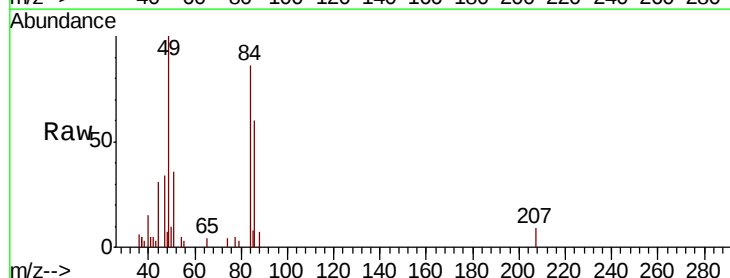
Ion Ratio Lower Upper

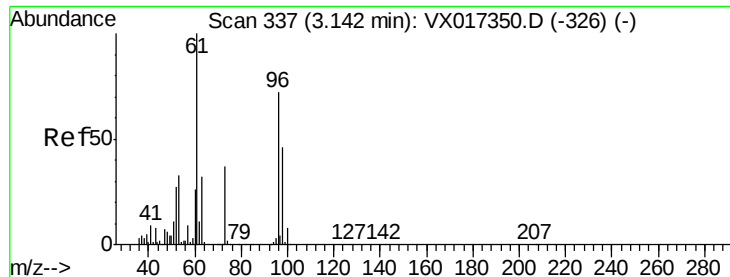
84 100

49 116.9 95.8 143.8

51 41.7 31.0 46.4

86 69.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 0.763 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

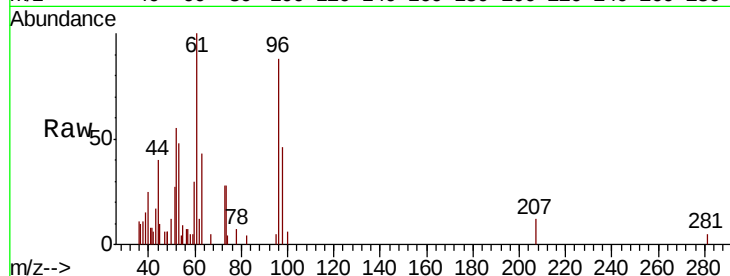
Tot Ion: 96 Resp: 2504

Ion Ratio Lower Upper

96 100

61 113.1 111.1 166.7

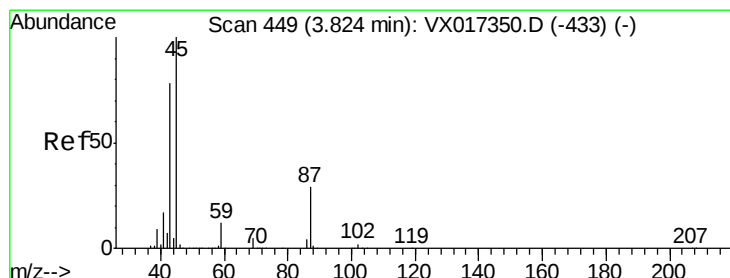
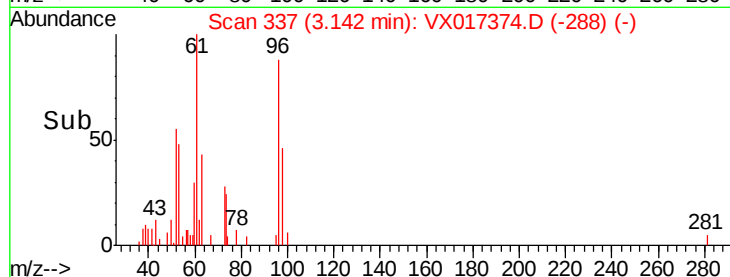
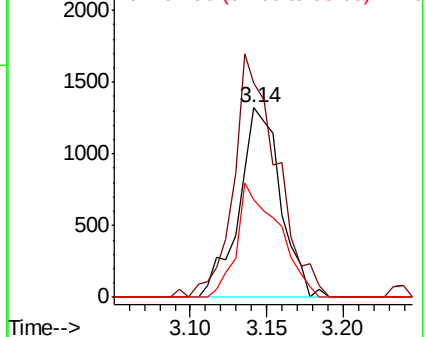
98 51.5 51.4 77.0



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: 0.673 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion: 45 Resp: 6371

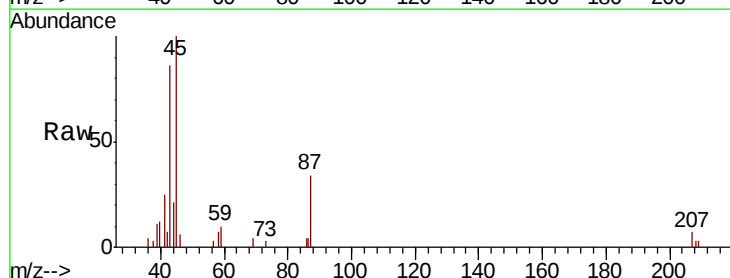
Ion Ratio Lower Upper

45 100

43 78.8 62.2 93.2

87 33.6 23.0 34.6

59 10.3 9.6 14.4

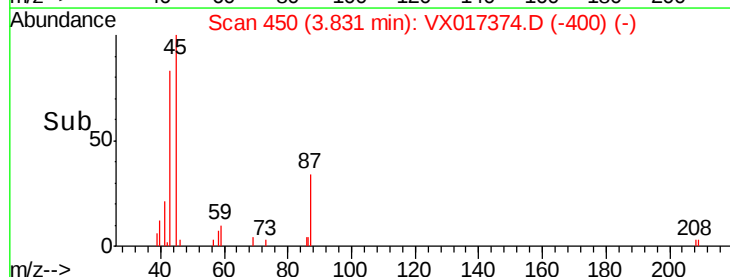
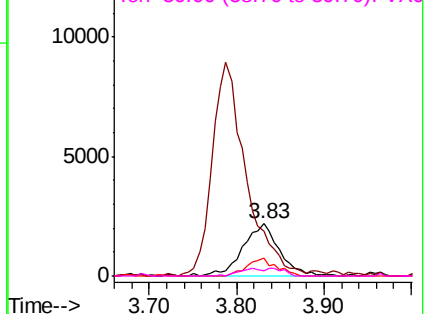


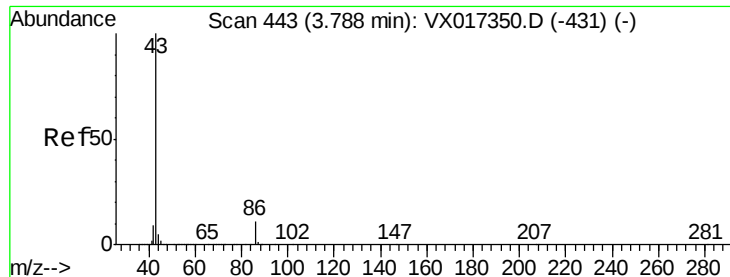
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 2.897 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

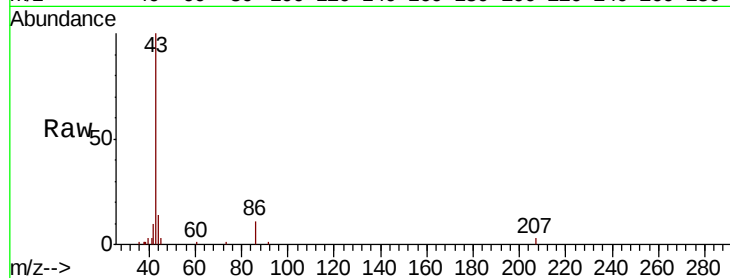
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 24137

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

10000

8000

6000

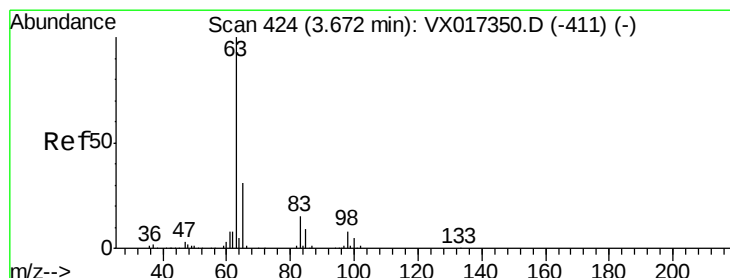
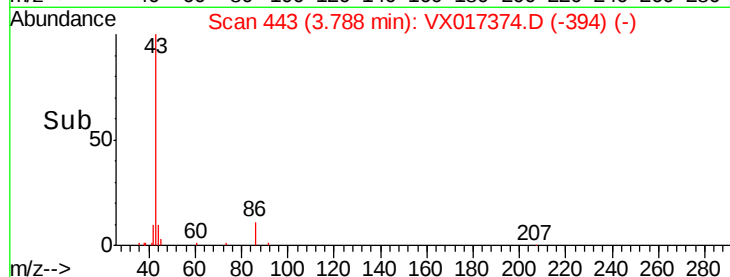
4000

2000

0

Time-->

3.70 3.80 3.90



#24

1,1-Dichloroethane

Concen: 0.773 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

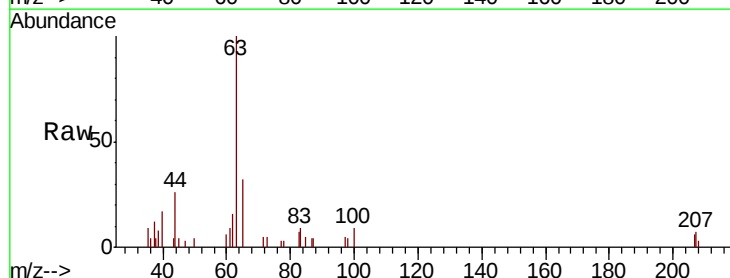
Tgt Ion: 63 Resp: 4306

Ion Ratio Lower Upper

63 100

98 4.0 3.9 11.5

100 8.8 2.5 7.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

2500

2000

1500

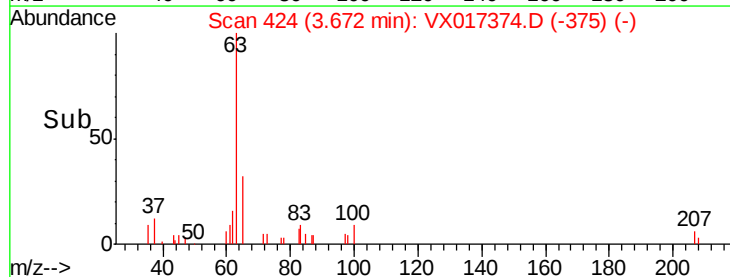
1000

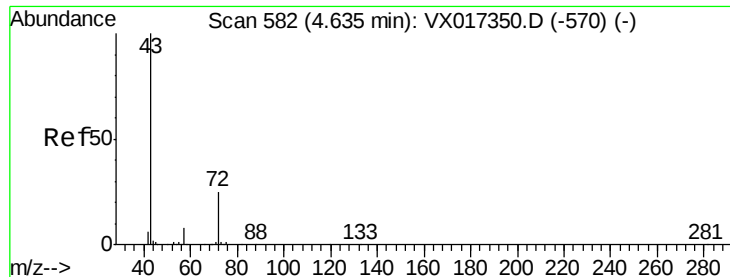
500

0

Time-->

3.55 3.60 3.65 3.70 3.75

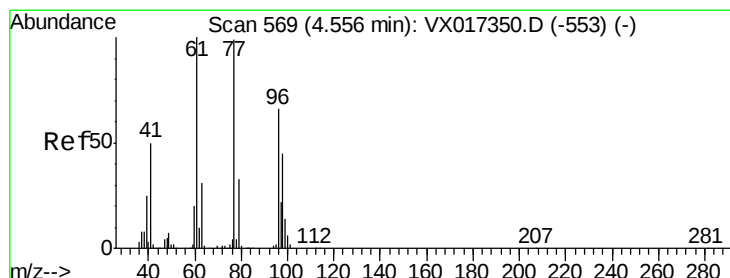
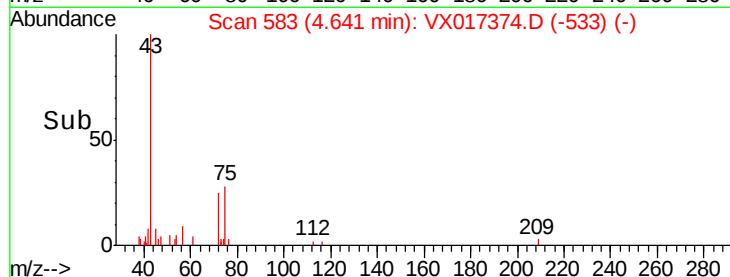
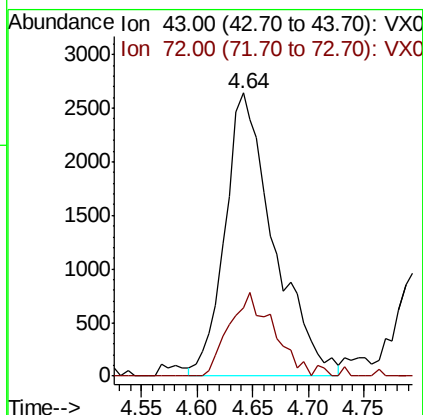
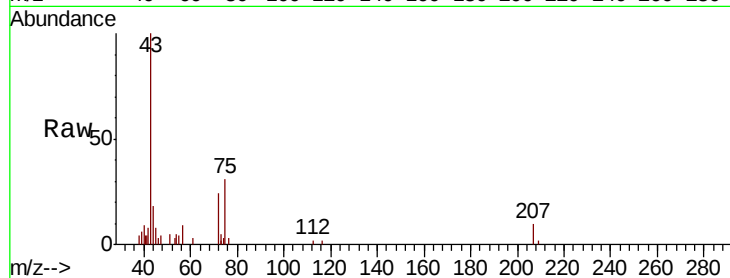




#25
2-Butanone
Concen: 3.599 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

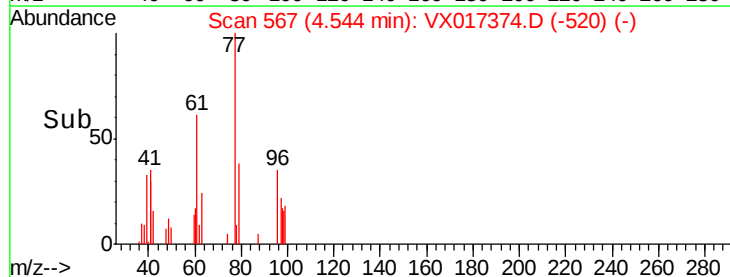
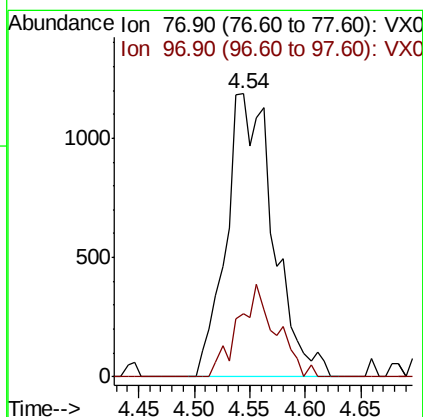
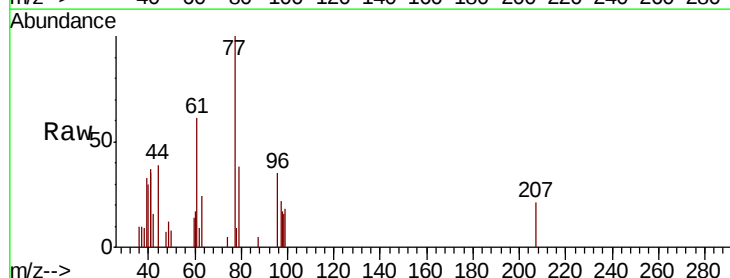
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

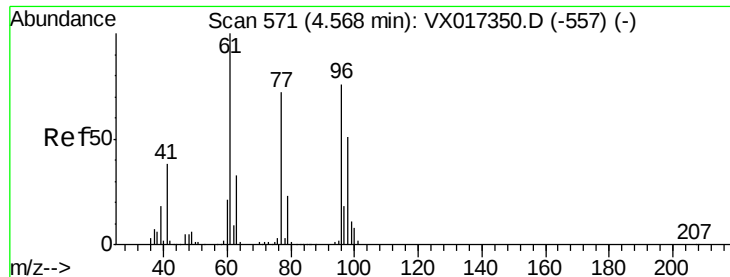
Tot Ion: 43 Resp: 8073
Ion Ratio Lower Upper
43 100
72 24.8 20.4 30.6



#26
2,2-Dichloropropane
Concen: 0.674 ug/l
RT: 4.54 min Scan# 567
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 77 Resp: 3490
Ion Ratio Lower Upper
77 100
97 26.1 11.1 33.3



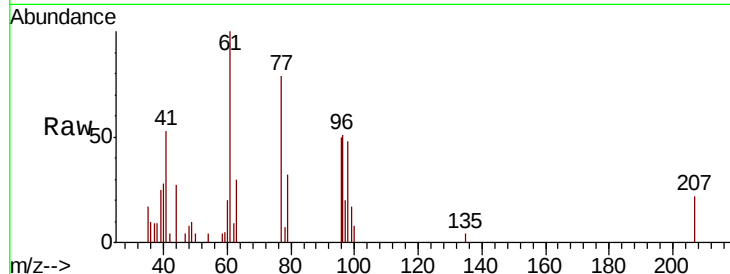


#27

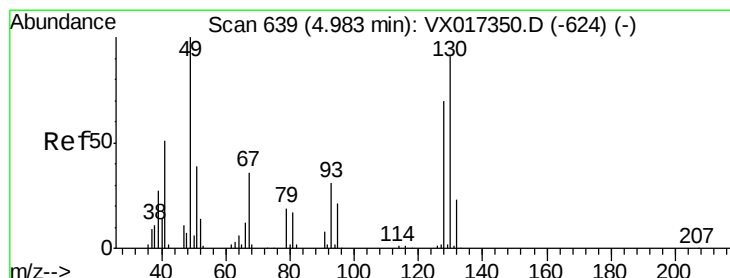
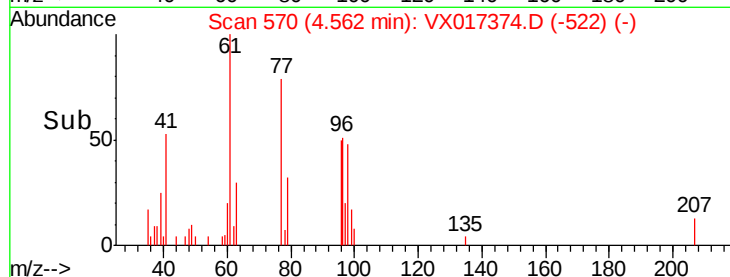
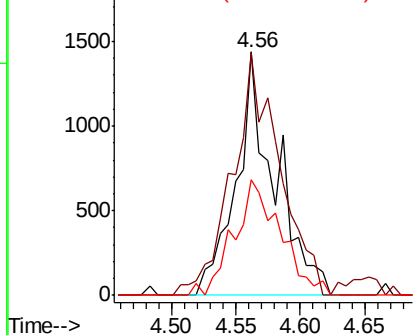
cis-1,2-Dichloroethene
Concen: 0.839 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion: 96 Resp: 3022
Ion Ratio Lower Upper
96 100
61 120.9 0.0 281.2
98 57.0 0.0 131.4



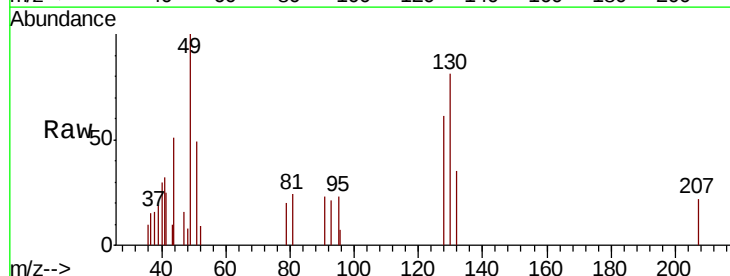
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



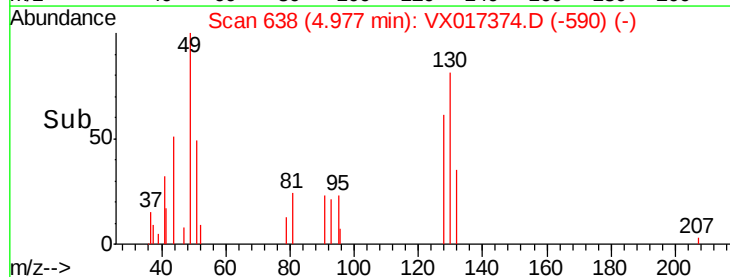
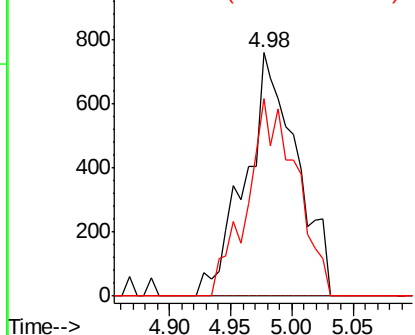
#28

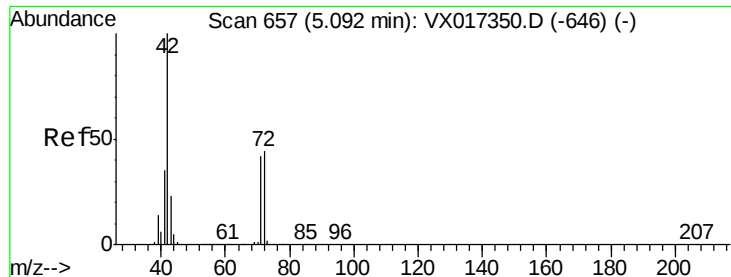
Bromochloromethane
Concen: 0.858 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 49 Resp: 2207
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 78.4 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

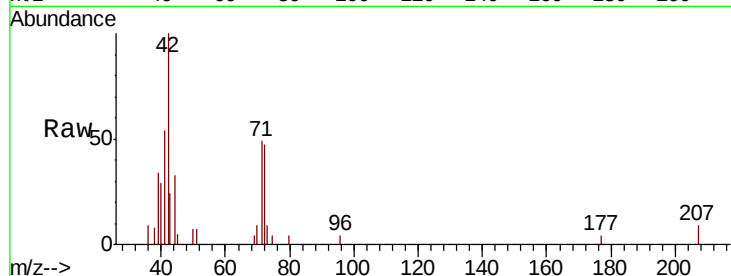




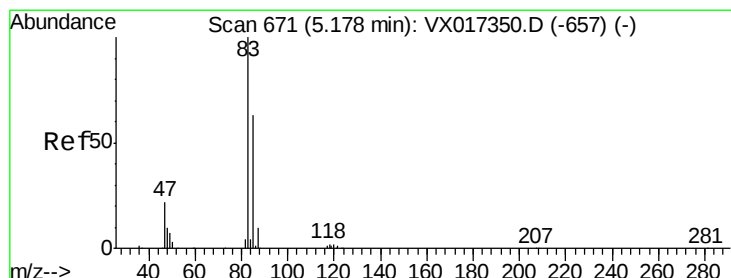
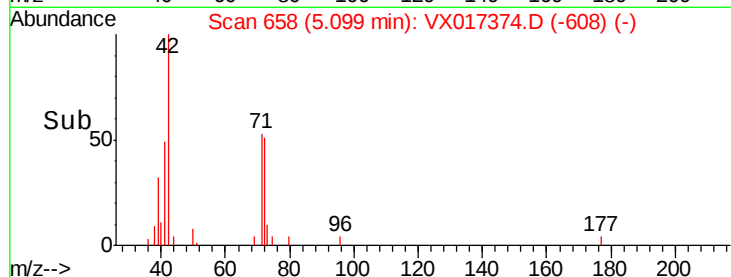
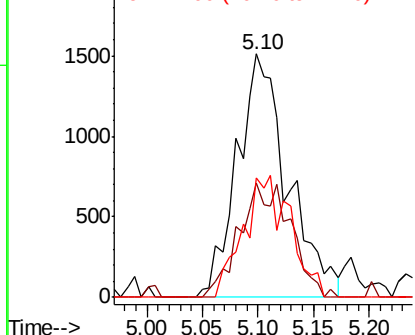
#29
Tetrahydrofuran
Concen: 3.302 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion: 42 Resp: 4794
Ion Ratio Lower Upper
42 100
72 47.4 37.2 55.8
71 46.2 34.4 51.6

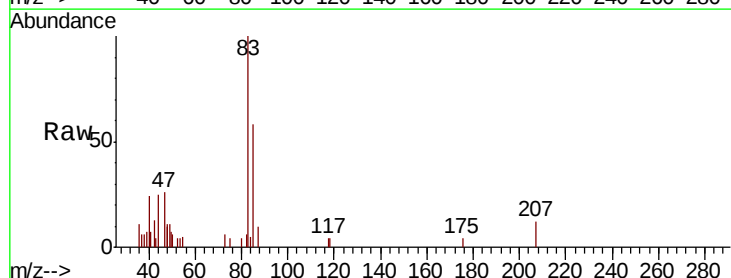


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

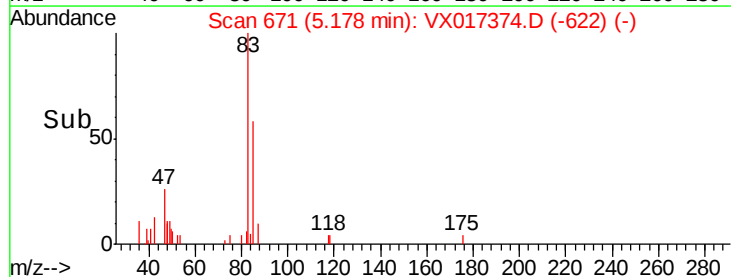
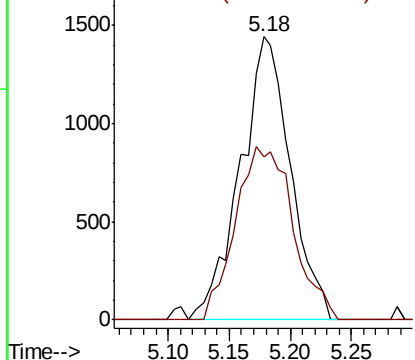


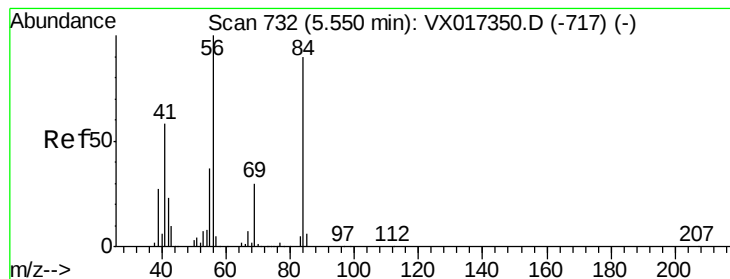
#30
Chloroform
Concen: 0.687 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 83 Resp: 4116
Ion Ratio Lower Upper
83 100
85 57.6 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 0.648 ug/l

RT: 5.56 min Scan# 733

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

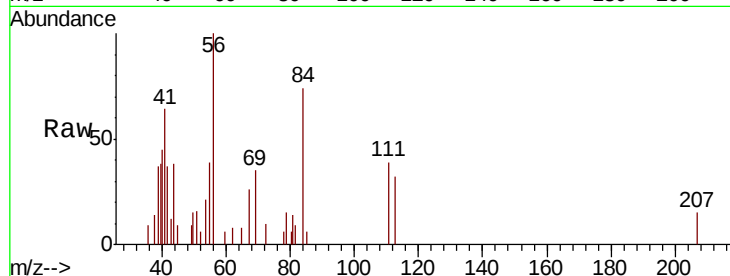
Tot Ion: 56 Resp: 2953

Ion Ratio Lower Upper

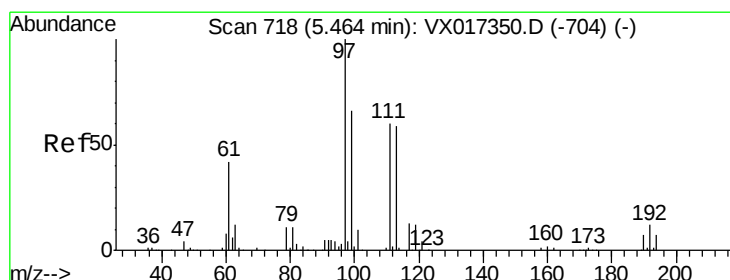
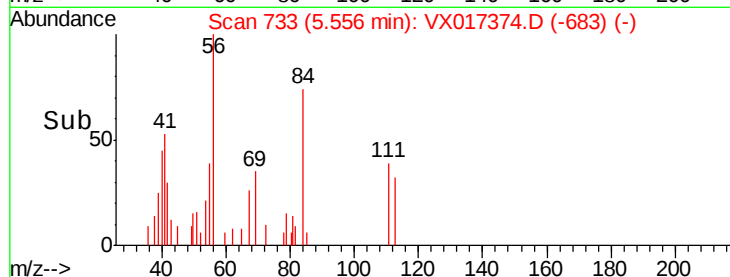
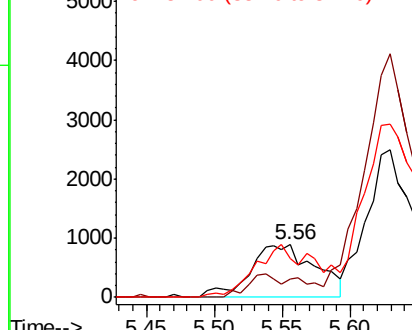
56 100

69 35.4 23.7 35.5

84 74.2 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 0.693 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

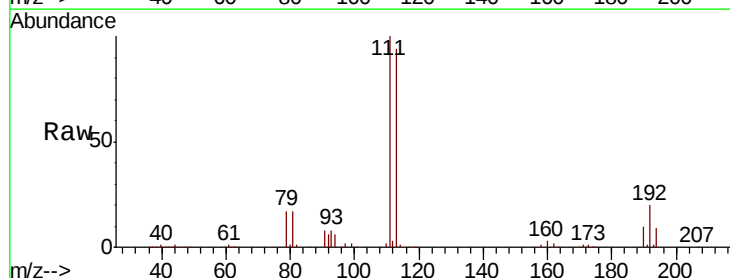
Tgt Ion: 97 Resp: 3840

Ion Ratio Lower Upper

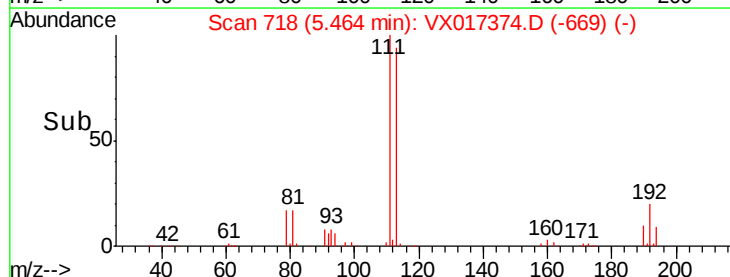
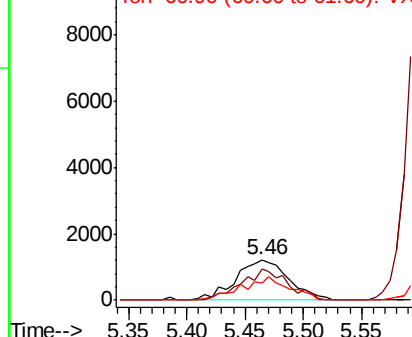
97 100

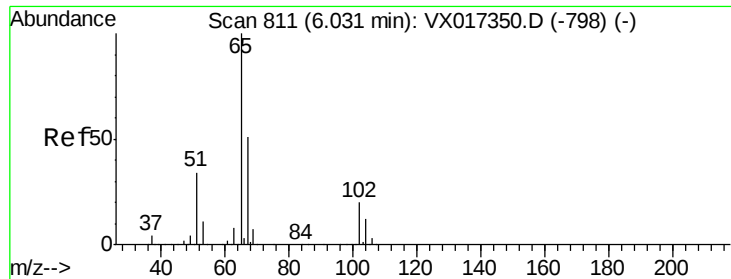
99 0.0 51.2 76.8#

61 51.0 32.7 49.1#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

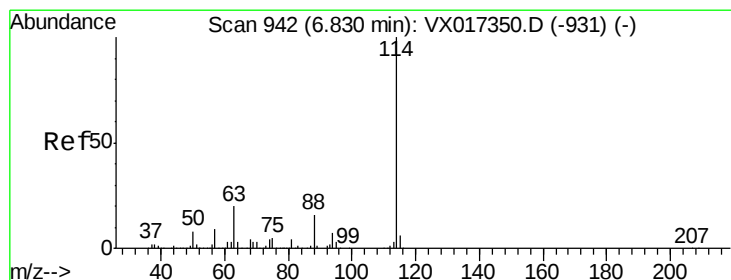
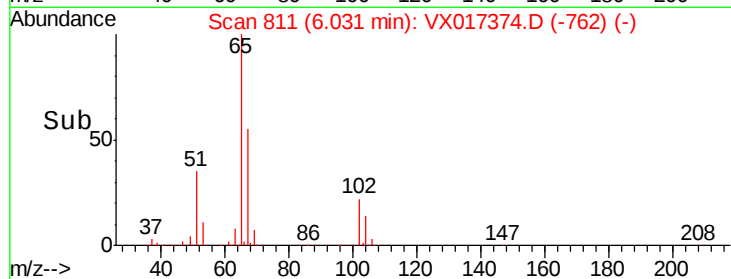
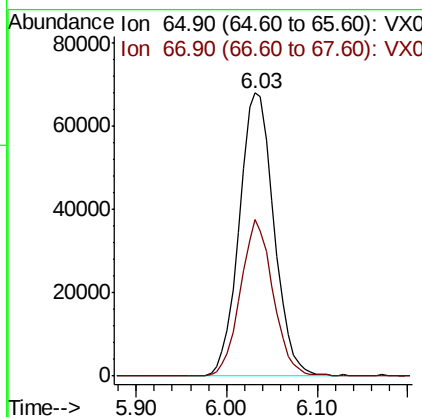
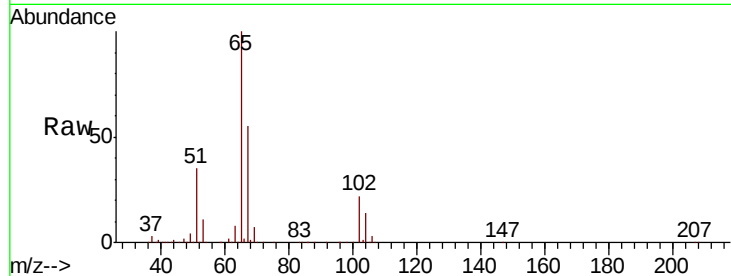




#33
 1,2-Dichloroethane-d4
 Concen: 45.495 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

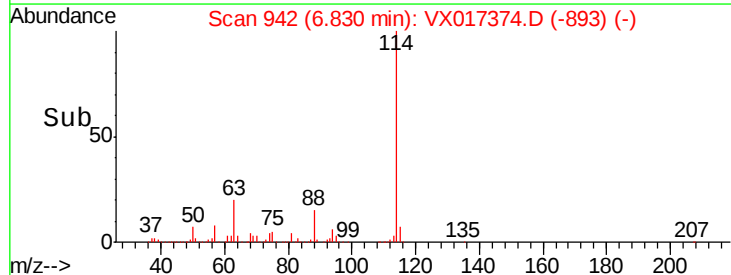
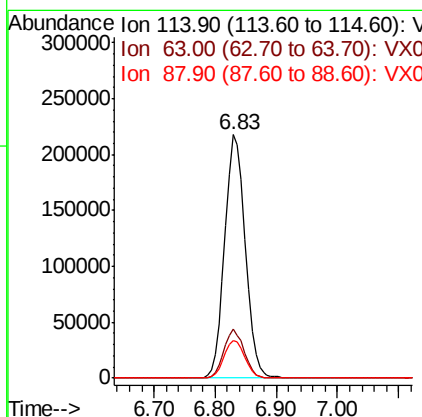
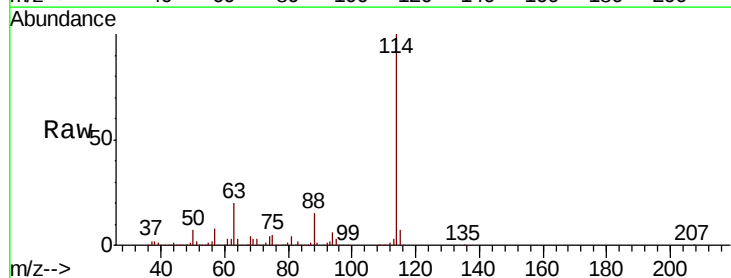
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

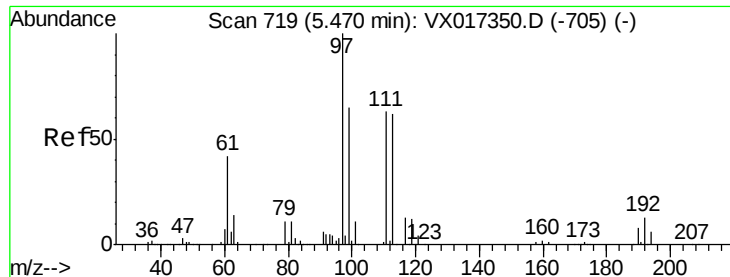
Tot Ion: 65 Resp: 180092
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

Tgt Ion: 114 Resp: 507942
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 42.818 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

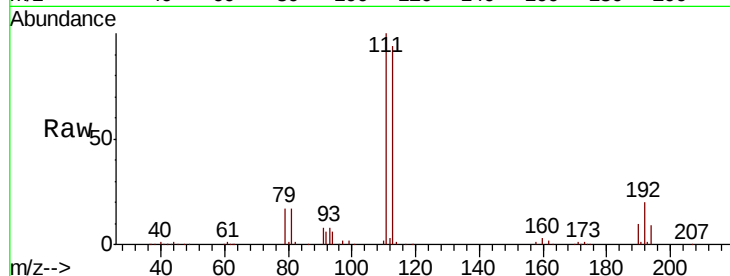
Tot Ion:113 Resp: 146504

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

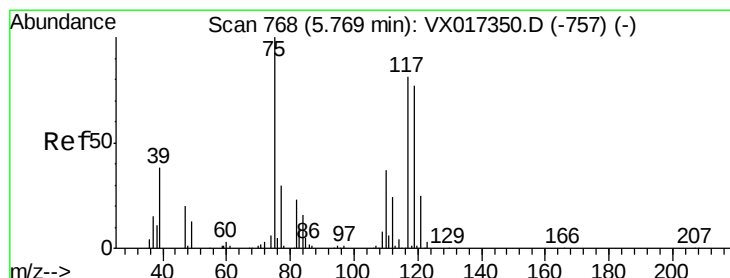
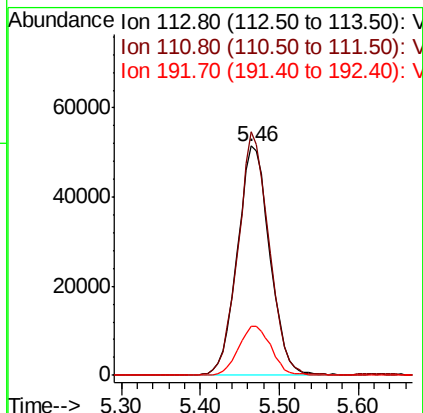
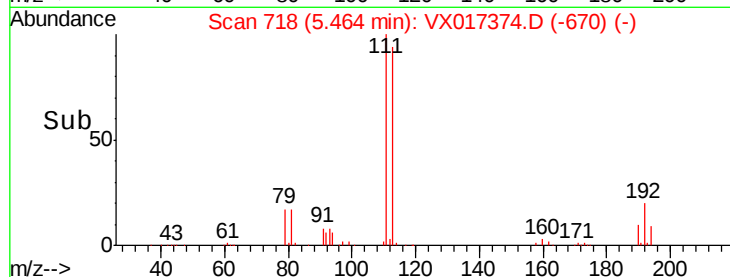
192 21.8 17.2 25.8



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: 0.729 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

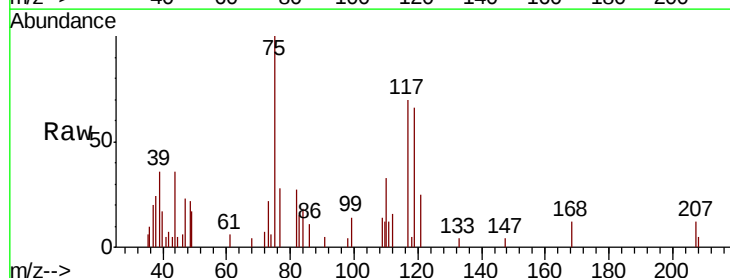
Tgt Ion: 75 Resp: 3407

Ion Ratio Lower Upper

75 100

110 36.8 18.6 55.8

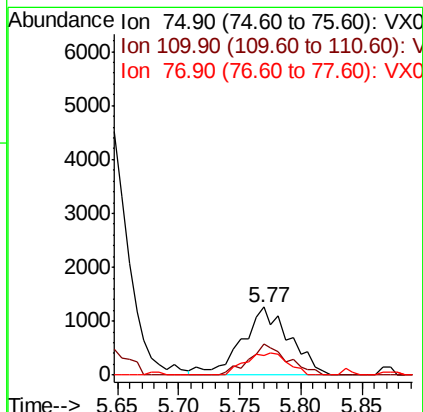
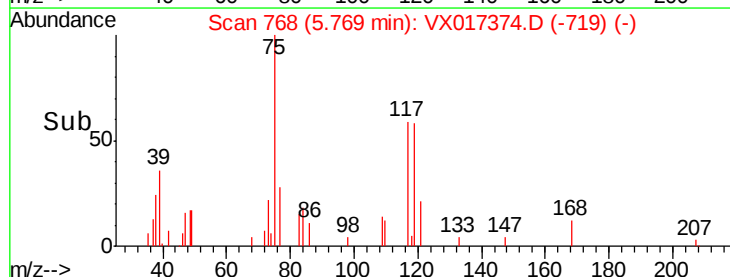
77 29.1 24.9 37.3

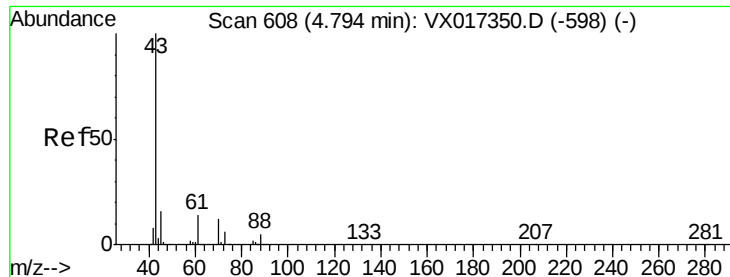


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

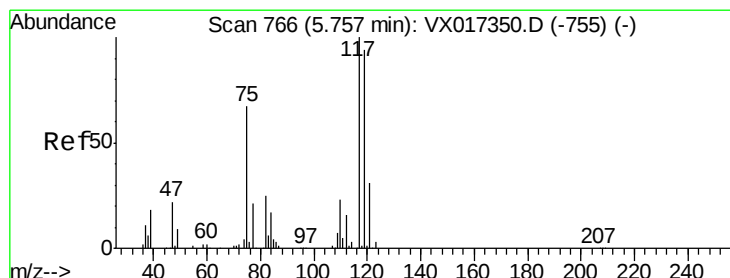
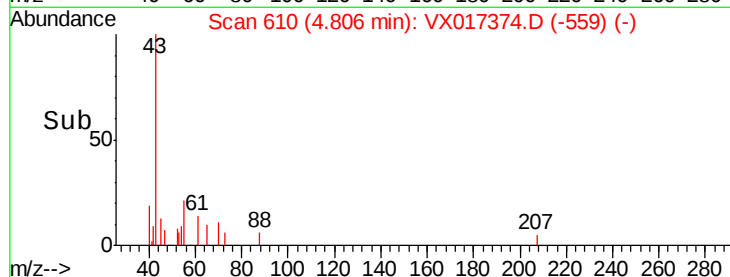
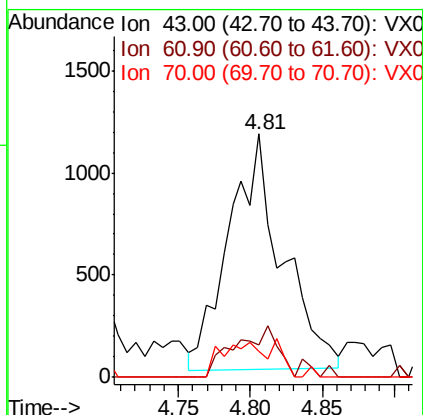
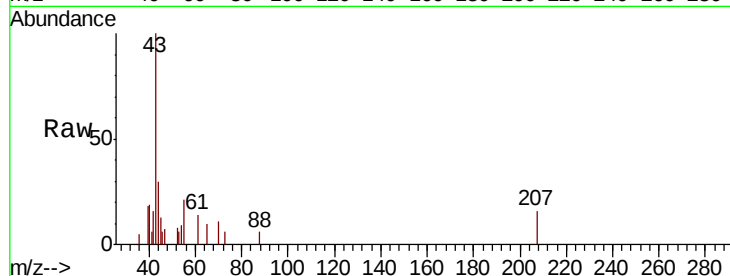




#37
Ethyl Acetate
Concen: 0.612 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

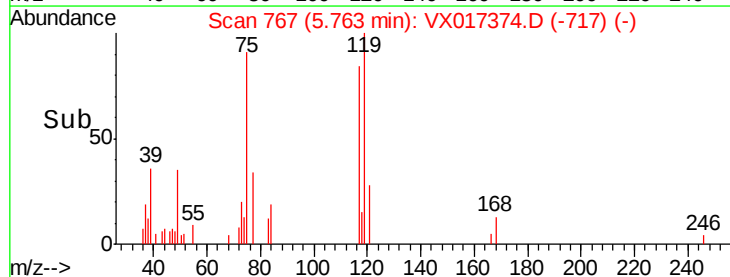
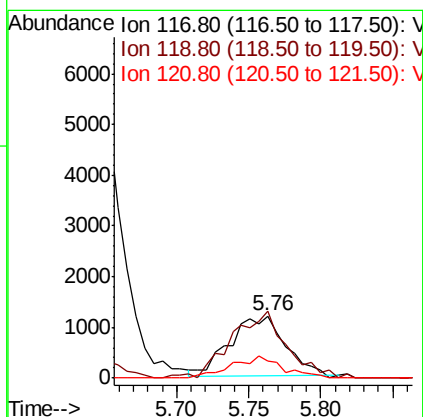
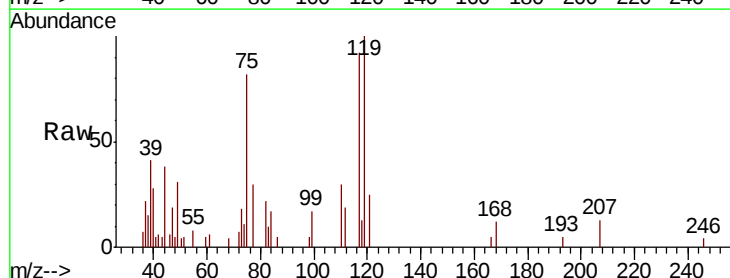
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

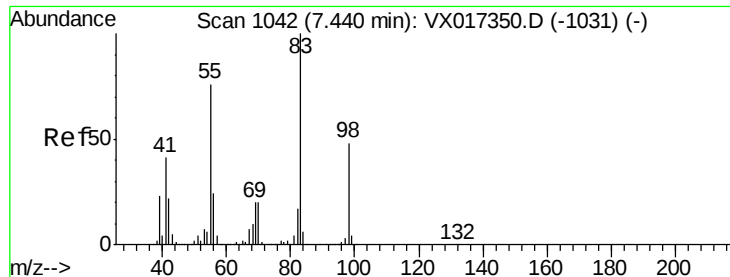
Tot Ion: 43 Resp: 2957
Ion Ratio Lower Upper
43 100
61 17.3 10.7 16.1#
70 11.6 9.0 13.6



#38
Carbon Tetrachloride
Concen: 0.572 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 117 Resp: 3129
Ion Ratio Lower Upper
117 100
119 113.7 74.7 112.1#
121 28.3 24.5 36.7

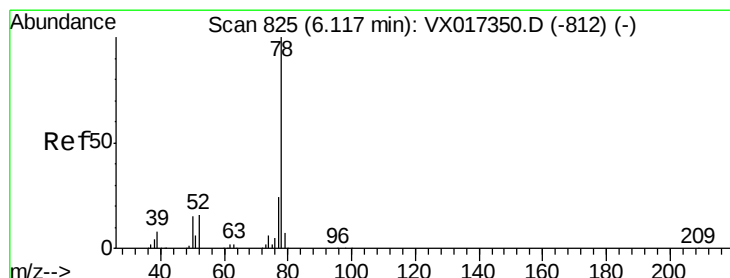
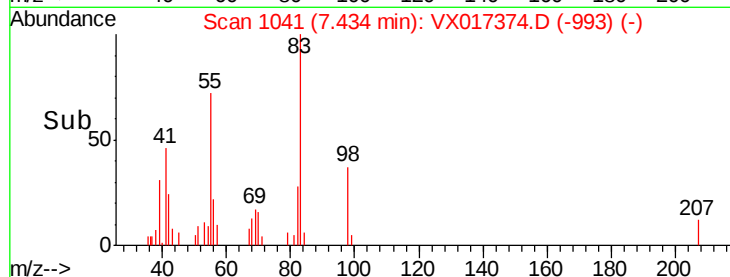
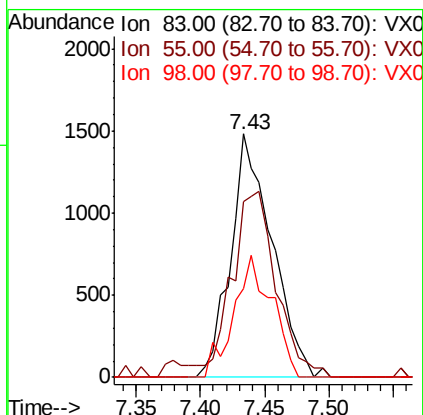
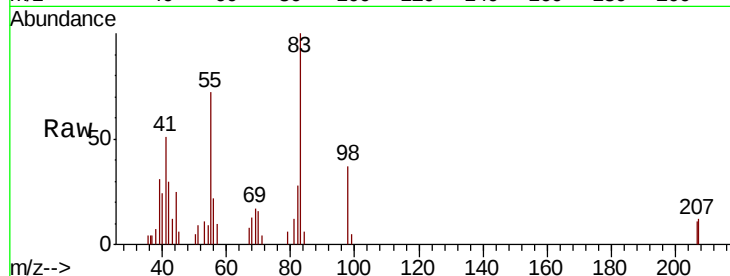




#39
Methvlcvclohexane
Concen: 0.654 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

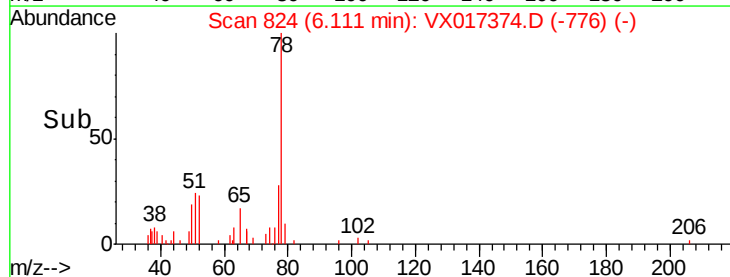
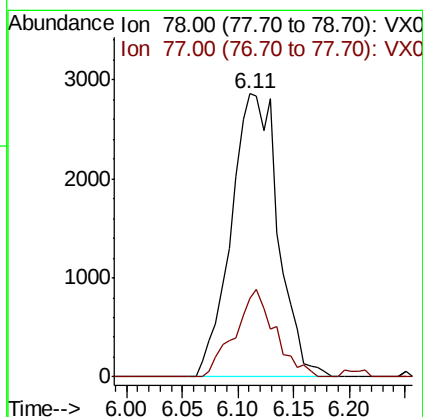
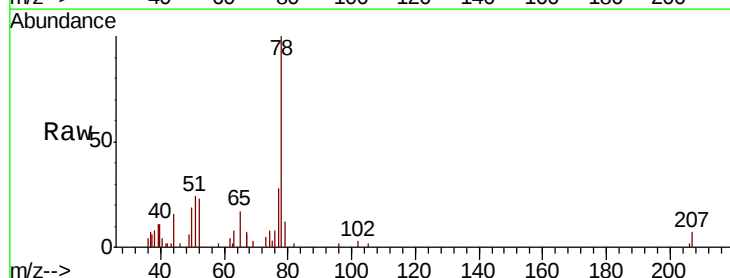
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

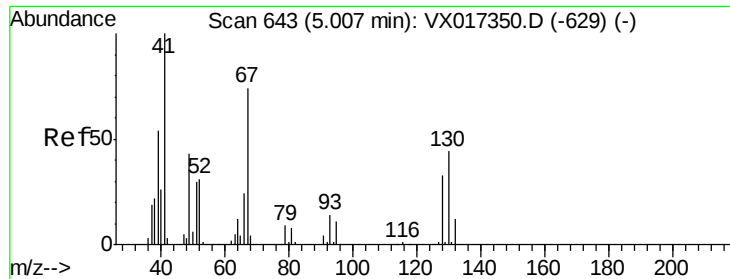
Tot Ion: 83 Resp: 3316
Ion Ratio Lower Upper
83 100
55 72.0 61.2 91.8
98 36.7 38.1 57.1#



#40
Benzene
Concen: 0.627 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 78 Resp: 8415
Ion Ratio Lower Upper
78 100
77 27.8 18.9 28.3

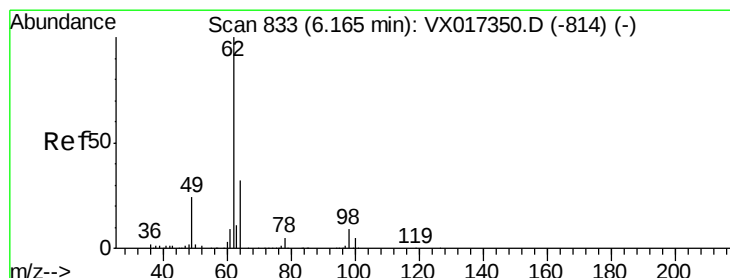
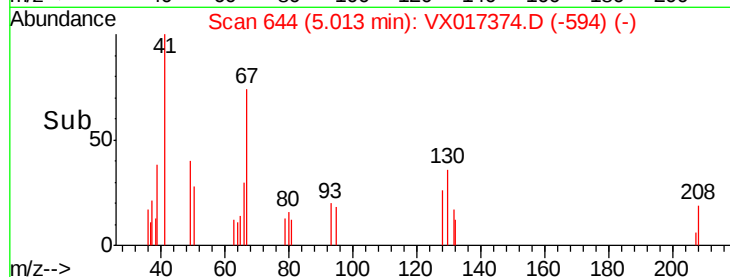
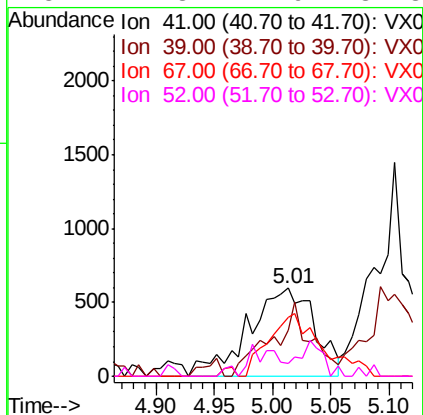
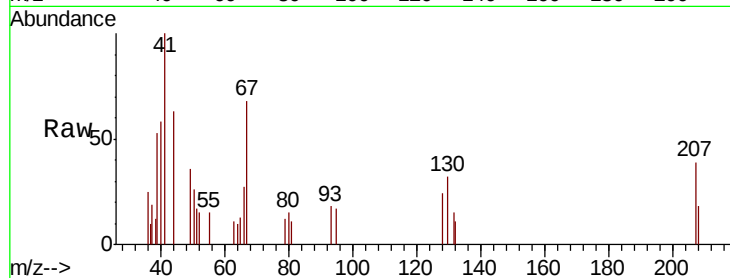




#41
Methacrylonitrile
Concen: 0.903 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

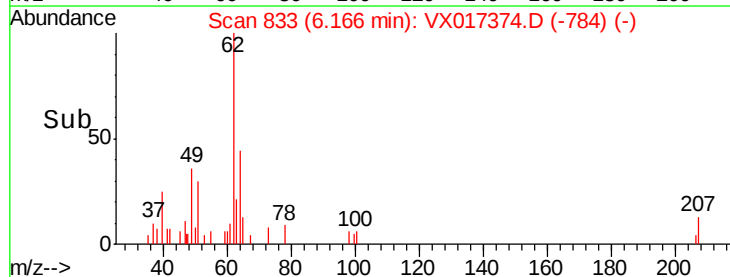
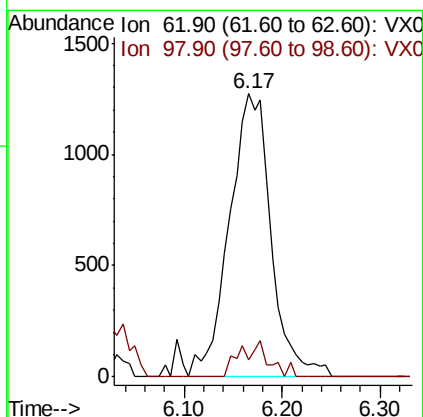
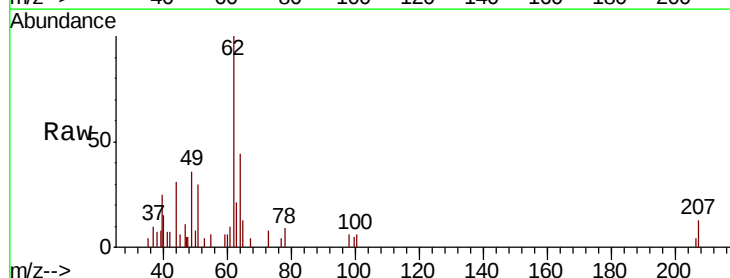
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

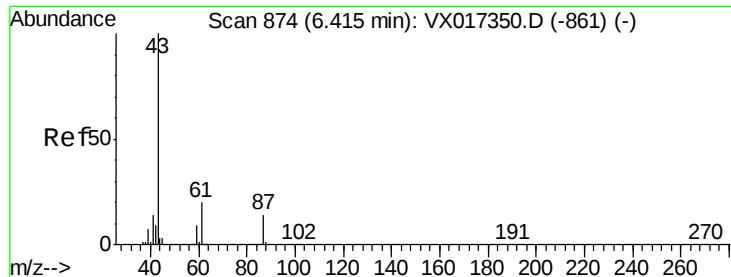
Tot Ion: 41 Resp: 2343
Ion Ratio Lower Upper
41 100
39 50.9 43.8 65.8
67 57.4 58.7 88.1#
52 14.3 24.9 37.3#



#42
1,2-Dichloroethane
Concen: 0.723 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 62 Resp: 3771
Ion Ratio Lower Upper
62 100
98 3.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 0.655 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

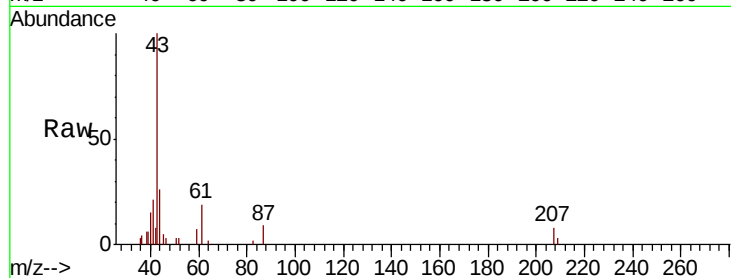
Tot Ion: 43 Resp: 5054

Ion Ratio Lower Upper

43 100

61 24.9 16.4 24.6#

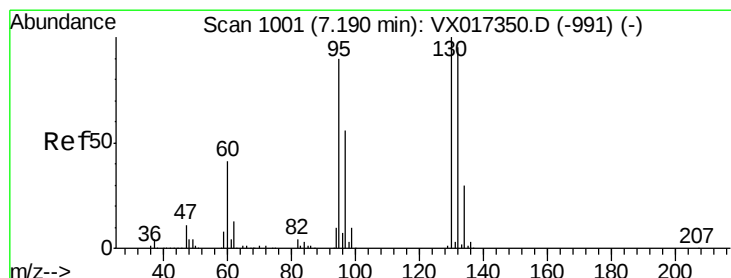
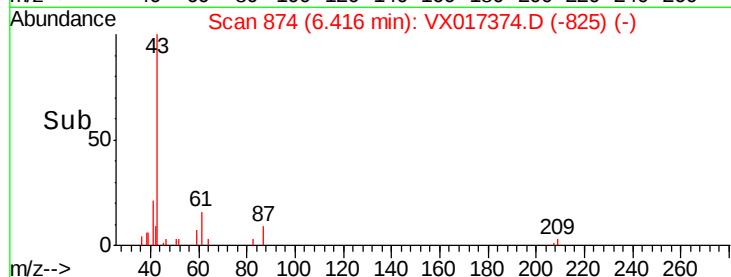
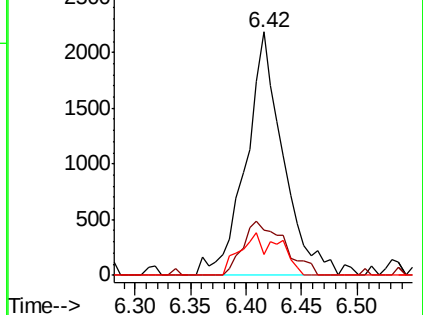
87 10.7 11.2 16.8#



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: 0.729 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017374.D

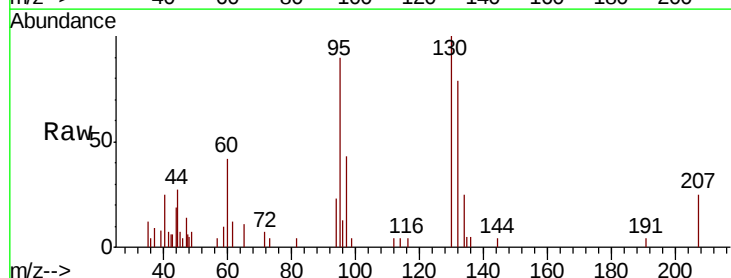
Acq: 14 Jul 2020 13:26

Tgt Ion: 130 Resp: 2990

Ion Ratio Lower Upper

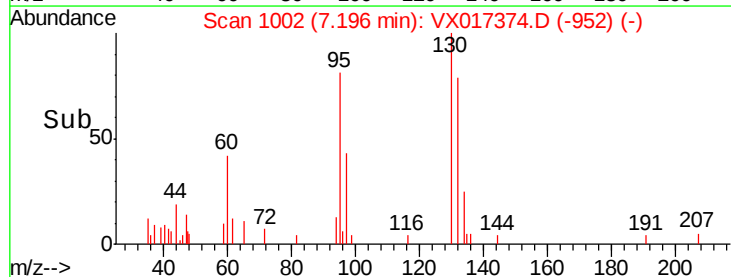
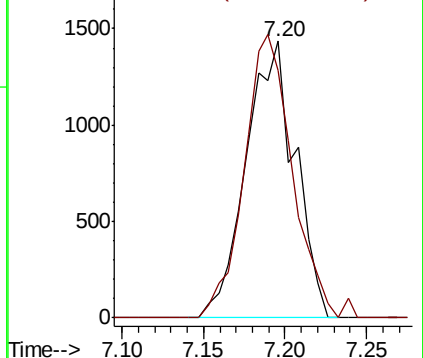
130 100

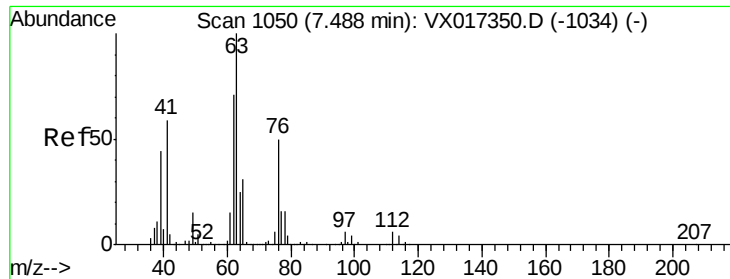
95 89.5 0.0 180.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 0.646 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

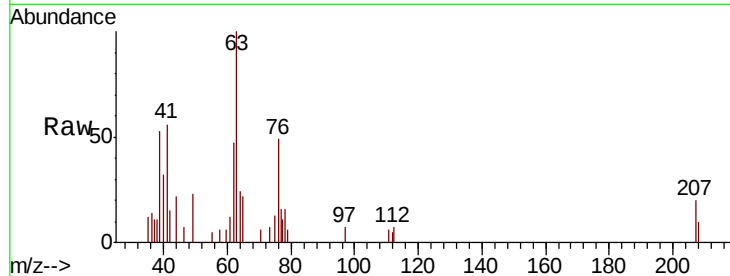
MDL-WATER-03-QT3-2020

Tot Ion: 63 Resp: 2220

Ion Ratio Lower Upper

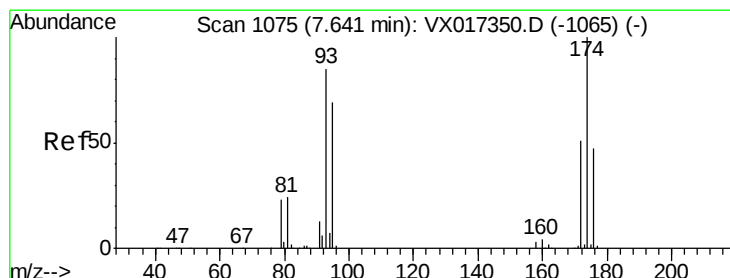
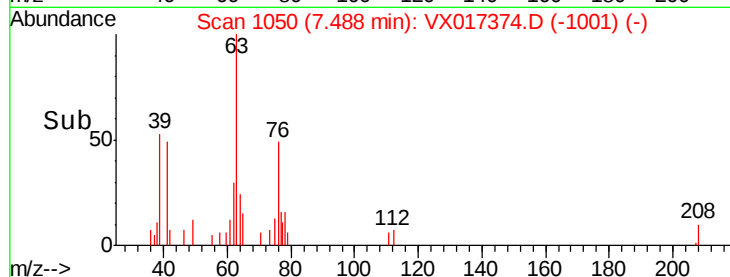
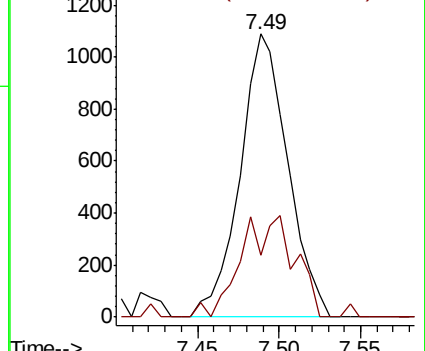
63 100

65 21.9 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: 0.705 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

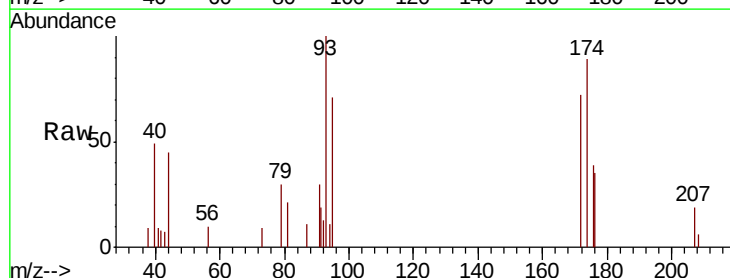
Tgt Ion: 93 Resp: 1746

Ion Ratio Lower Upper

93 100

95 82.9 65.4 98.2

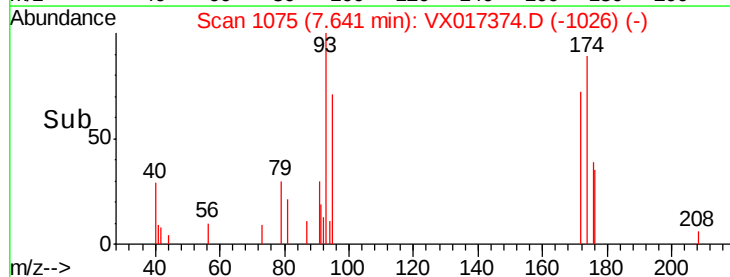
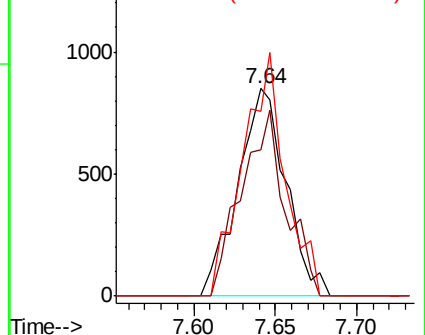
174 102.9 91.2 136.8

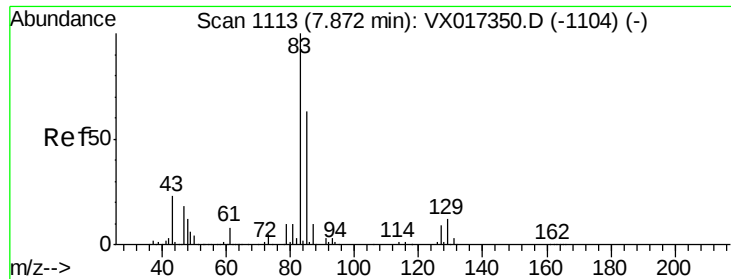


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

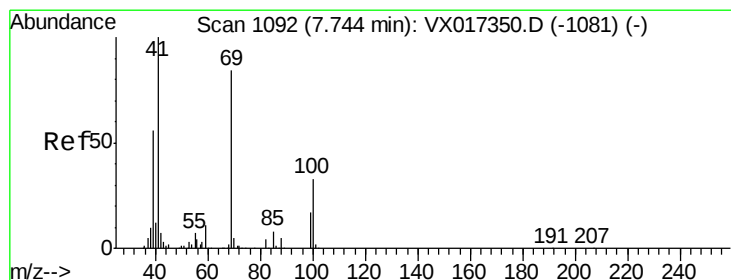
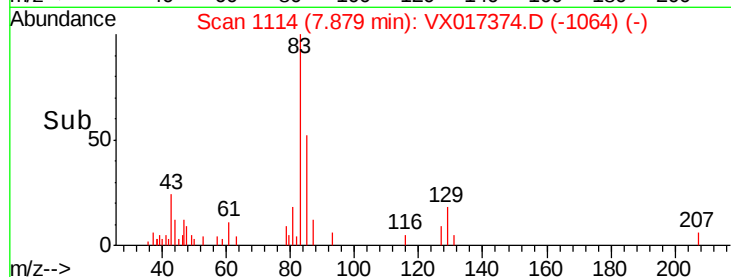
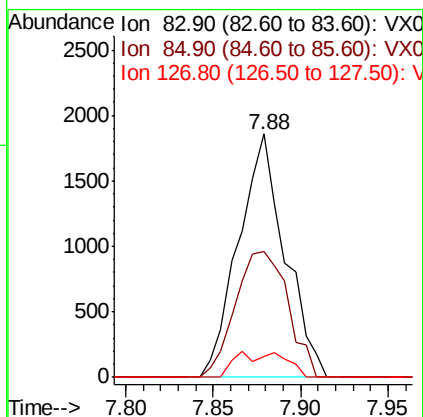
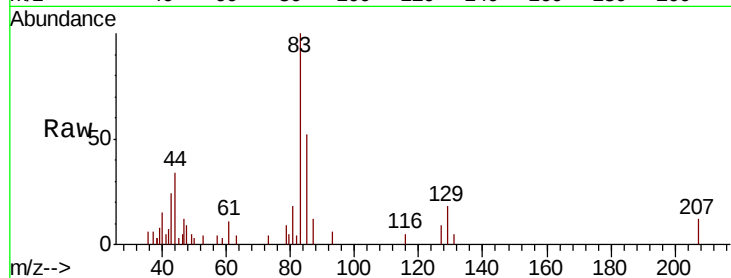




#47
Bromodichloromethane
Concen: 0.664 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

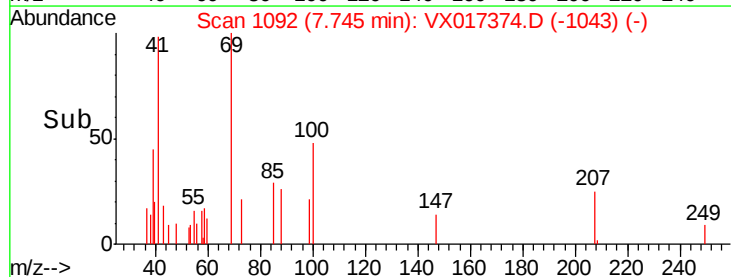
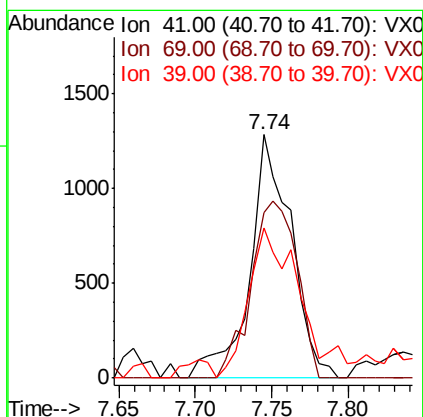
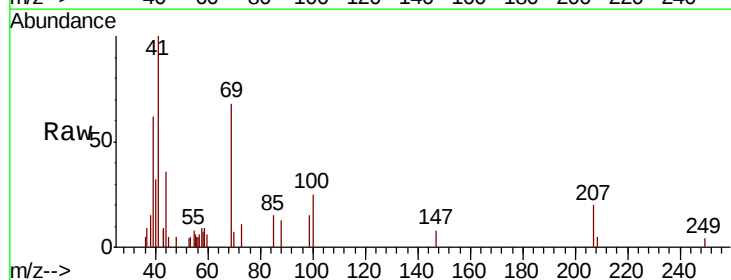
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

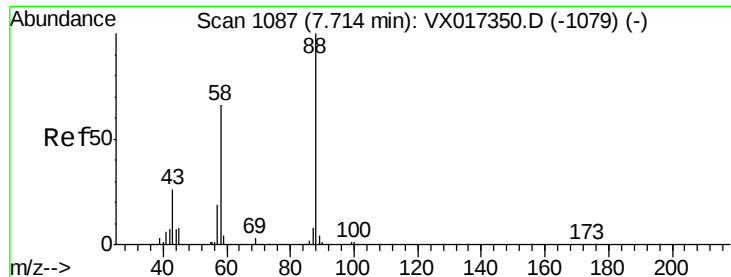
Tot Ion: 83 Resp: 3438
Ion Ratio Lower Upper
83 100
85 51.6 50.2 75.4
127 8.7 7.1 10.7



#48
Methyl methacrylate
Concen: 0.652 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 41 Resp: 2417
Ion Ratio Lower Upper
41 100
69 80.5 67.8 101.6
39 77.0 45.1 67.7#

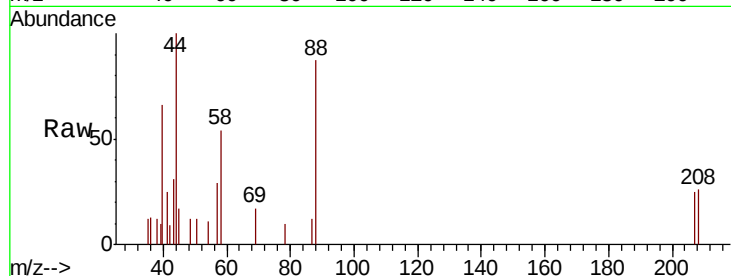




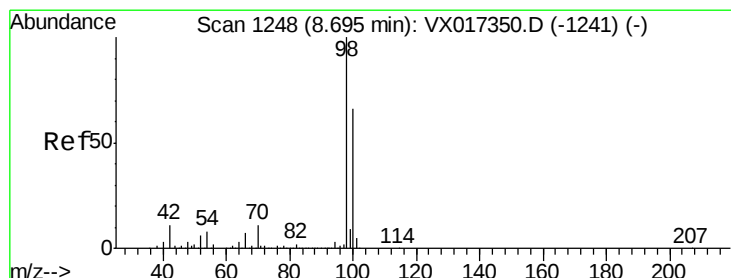
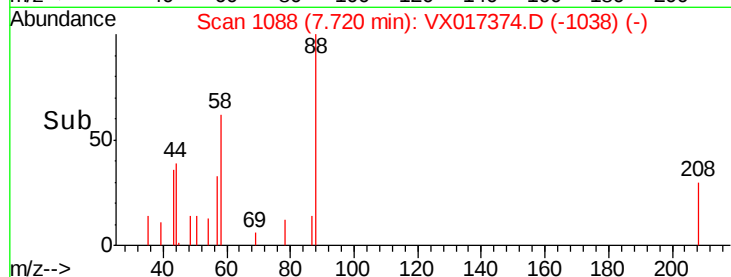
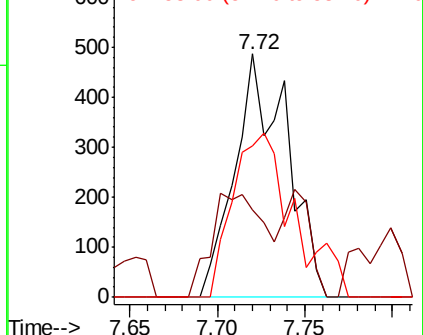
#49
1,4-Dioxane
Concen: 13.361 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion: 88 Resp: 1013
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 79.0 53.9 80.9

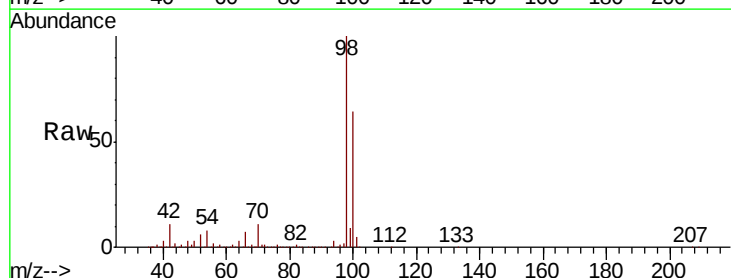


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

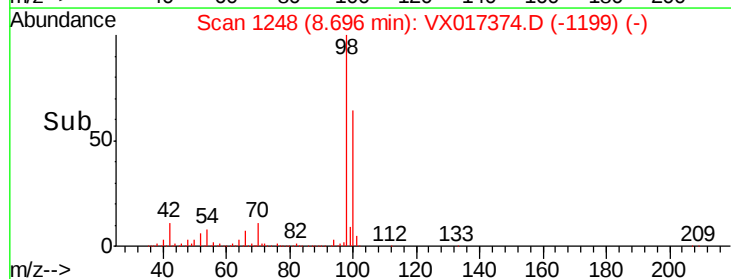
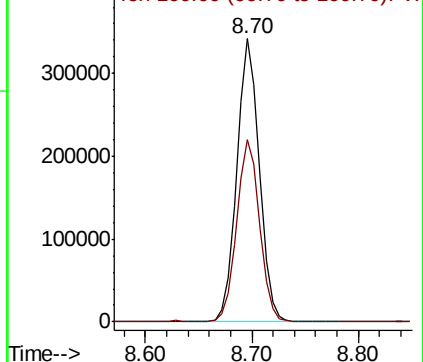


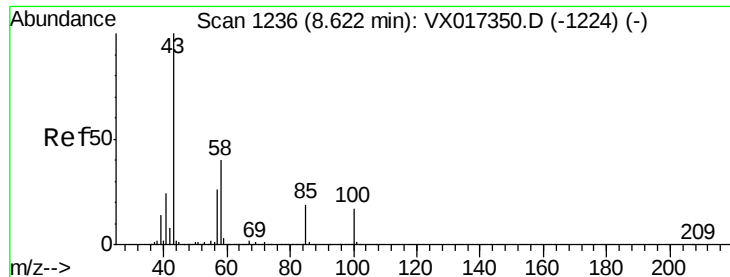
#50
Toluene-d8
Concen: 41.139 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 98 Resp: 507742
Ion Ratio Lower Upper
98 100
100 65.3 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: 2.762 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

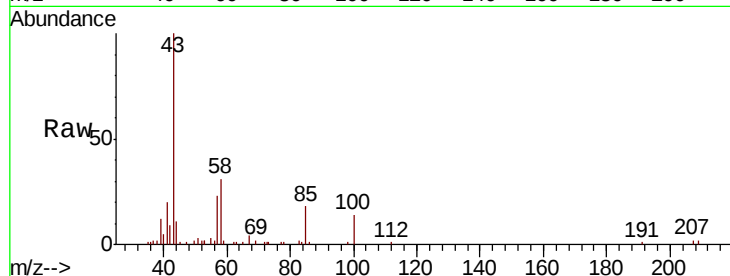
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 13003

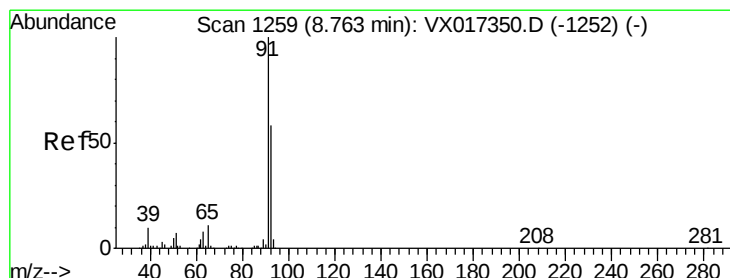
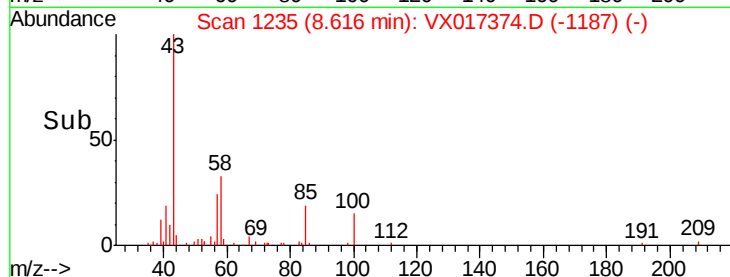
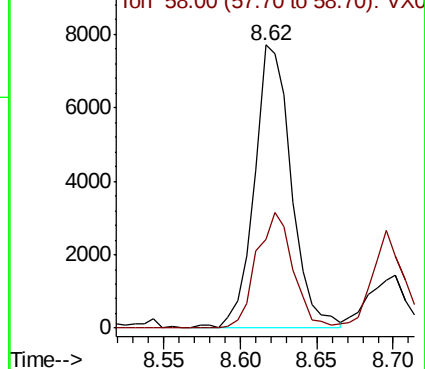
Ion Ratio Lower Upper

43 100

58 40.2 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VX0



#52

Toluene

Concen: 0.640 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017374.D

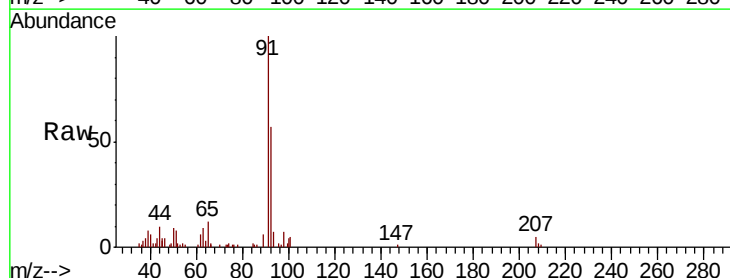
Acq: 14 Jul 2020 13:26

Tgt Ion: 92 Resp: 5516

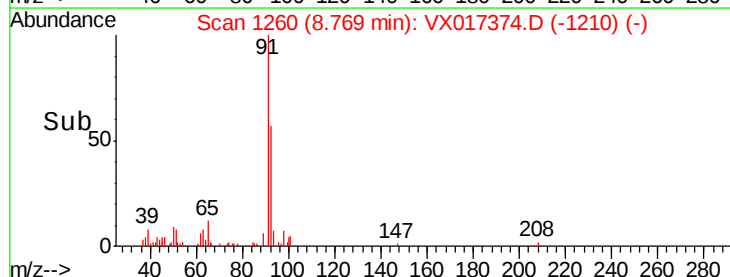
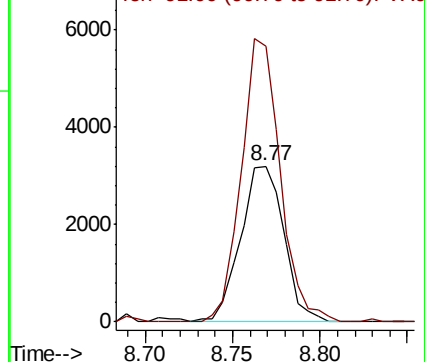
Ion Ratio Lower Upper

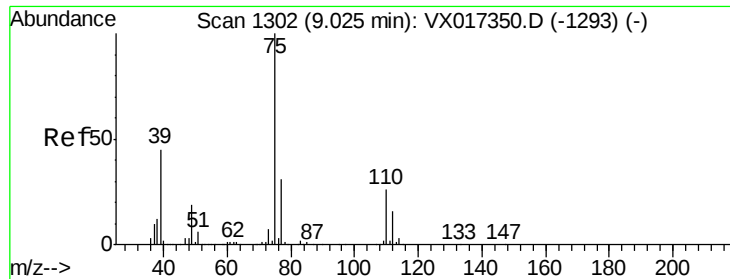
92 100

91 163.5 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

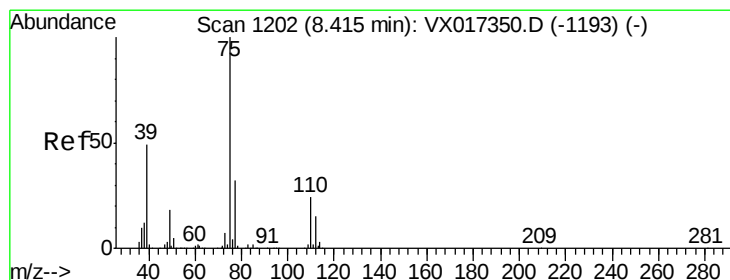
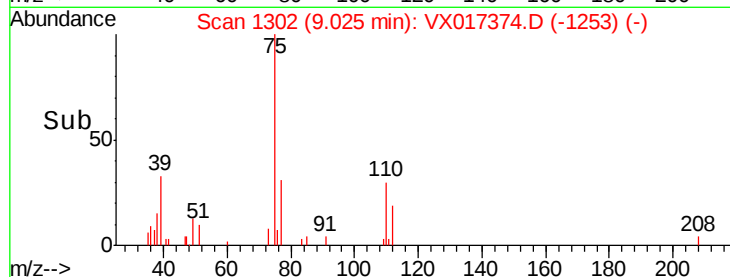
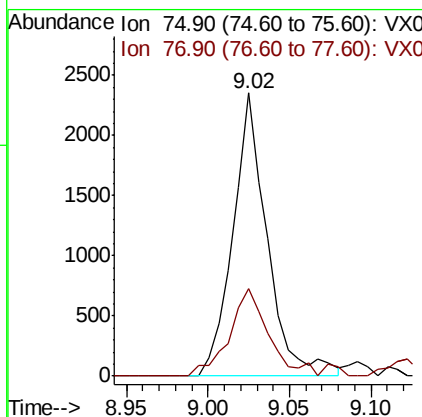
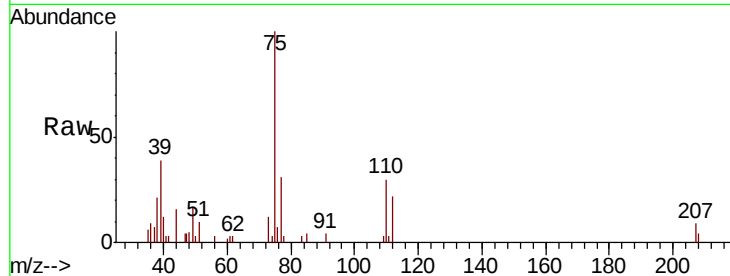




#53
t-1,3-Dichloropropene
Concen: 0.617 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

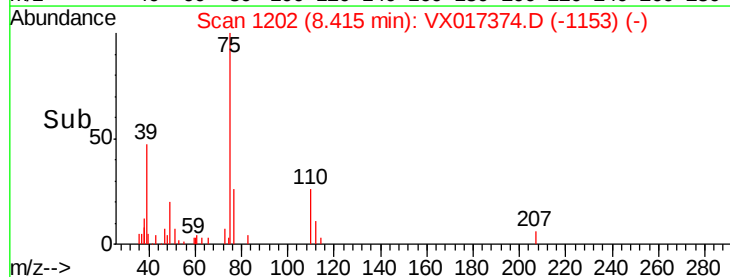
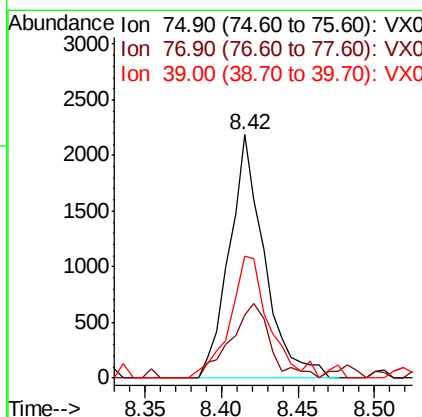
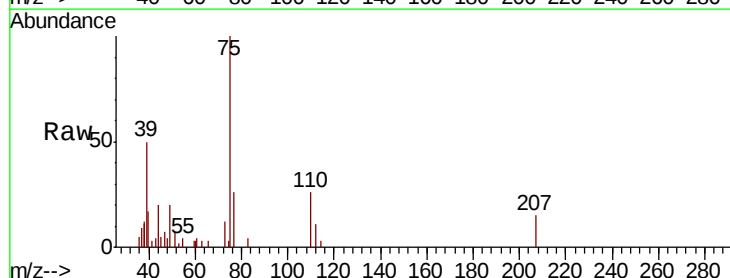
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

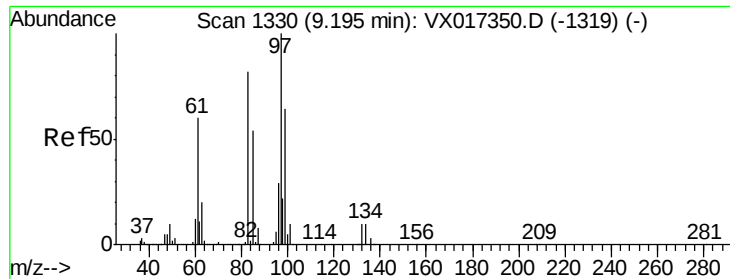
Tot Ion: 75 Resp: 3444
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 0.586 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 75 Resp: 3488
Ion Ratio Lower Upper
75 100
77 26.0 25.3 37.9
39 50.3 38.9 58.3

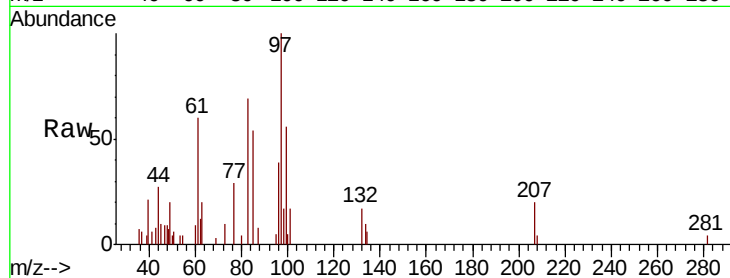




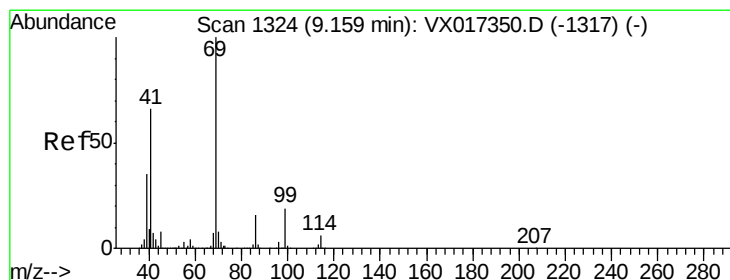
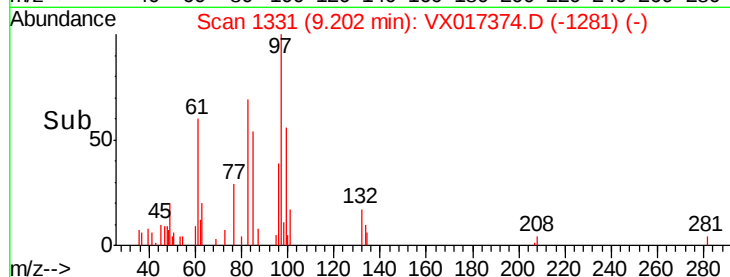
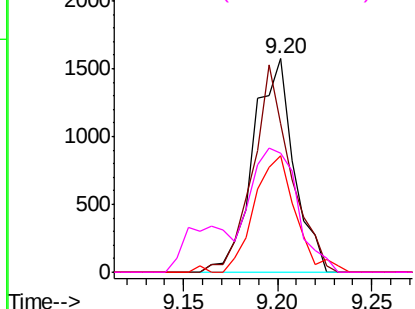
#55
 1,1,2-Trichloroethane
 Concen: 0.658 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

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

Tot Ion:	97	Resp:	2363
Ion	Ratio	Lower	Upper
97	100		
83	69.3	65.8	98.6
85	54.4	42.8	64.2
99	55.5	51.2	76.8

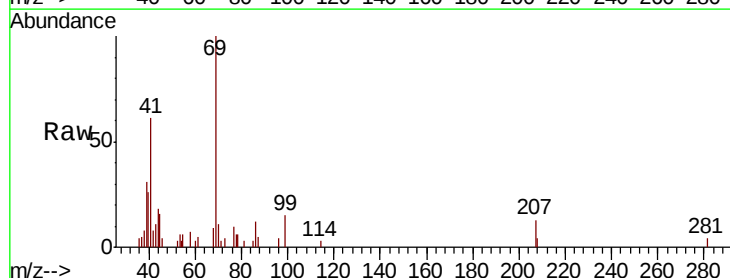


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

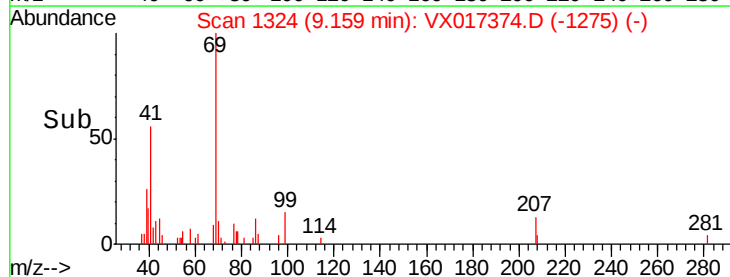
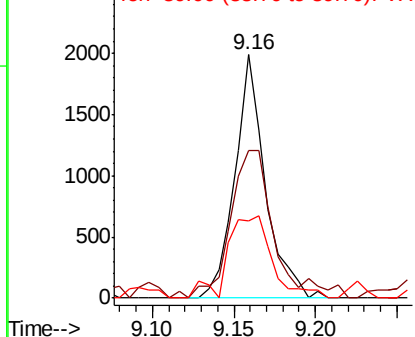


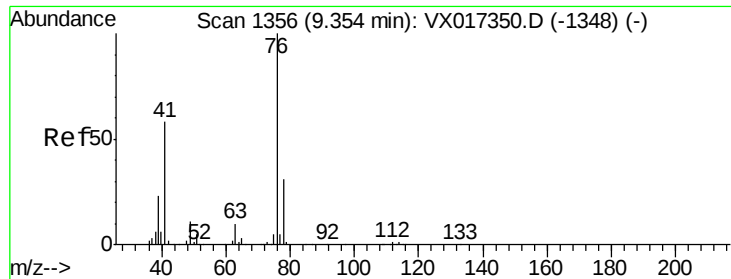
#56
 Ethyl methacrylate
 Concen: 0.505 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

Tgt Ion:	69	Resp:	2574
Ion	Ratio	Lower	Upper
69	100		
41	86.8	52.6	78.8#
39	49.9	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: 0.658 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

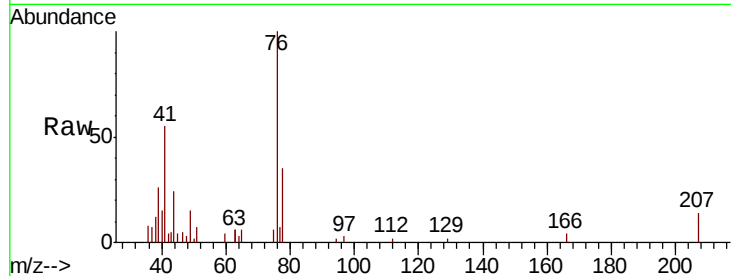
MDL-WATER-03-QT3-2020

Tot Ion: 76 Resp: 3934

Ion Ratio Lower Upper

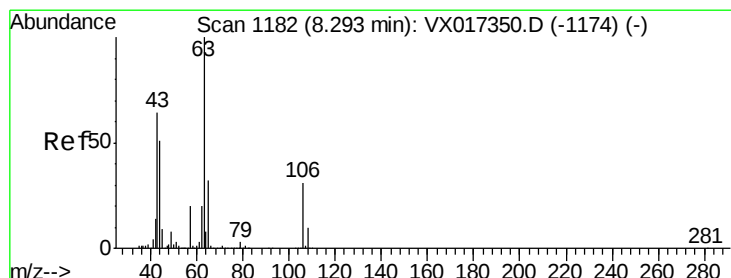
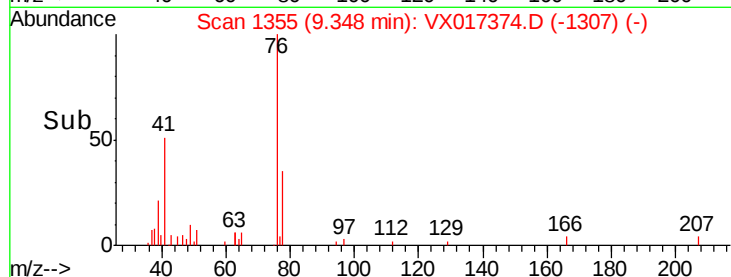
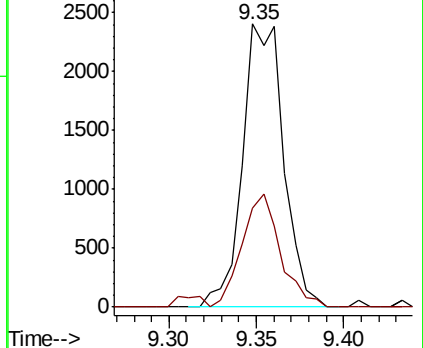
76 100

78 37.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 2.678 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017374.D

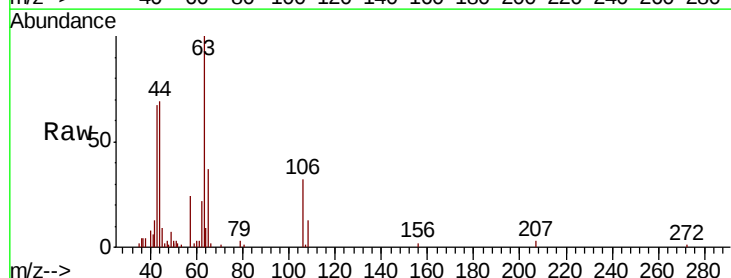
Acq: 14 Jul 2020 13:26

Tgt Ion: 63 Resp: 6937

Ion Ratio Lower Upper

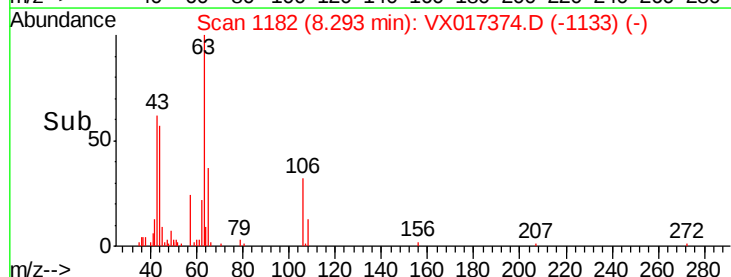
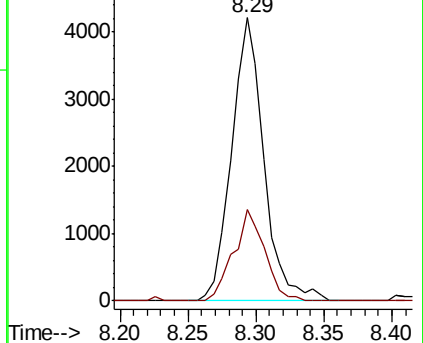
63 100

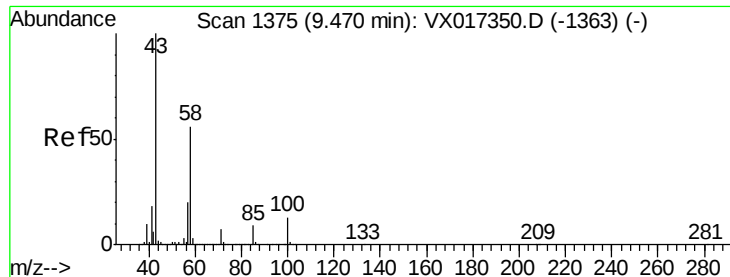
106 31.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

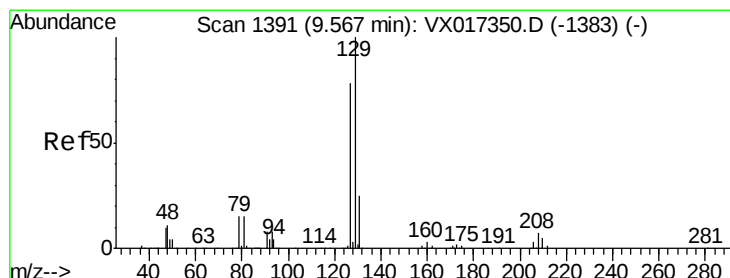
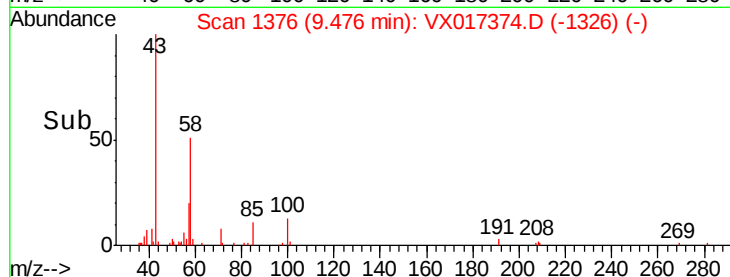
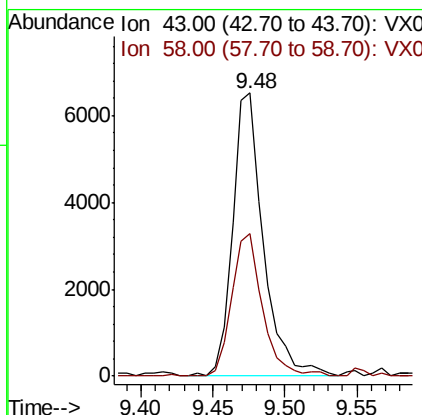
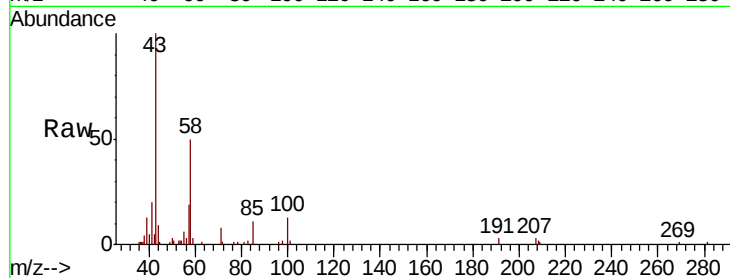




#59
2-Hexanone
Concen: 2.732 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

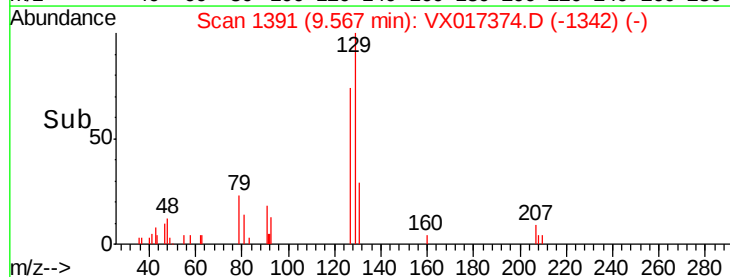
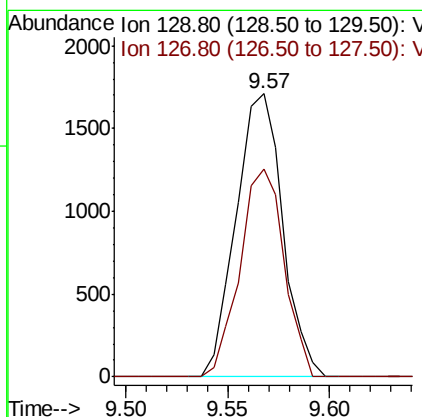
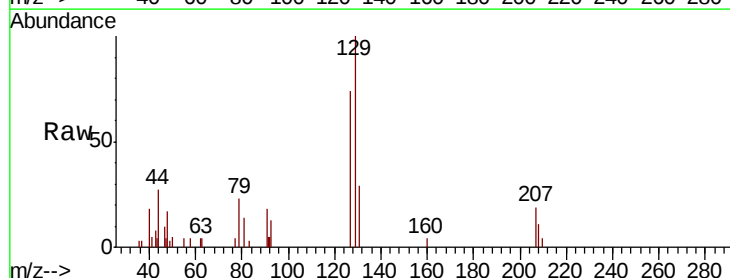
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

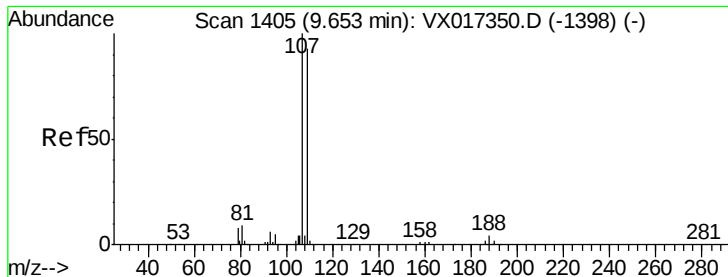
Tot Ion: 43 Resp: 9707
Ion Ratio Lower Upper
43 100
58 50.4 28.1 84.3



#60
Dibromochloromethane
Concen: 0.619 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 129 Resp: 2719
Ion Ratio Lower Upper
129 100
127 69.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 0.676 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

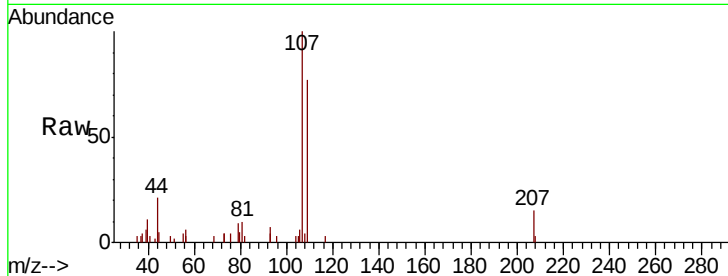
MDL-WATER-03-QT3-2020

Tot Ion:107 Resp: 2641

Ion Ratio Lower Upper

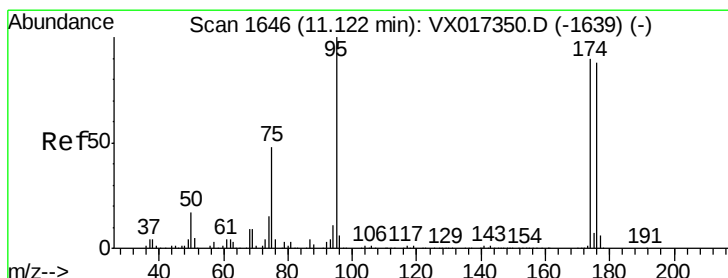
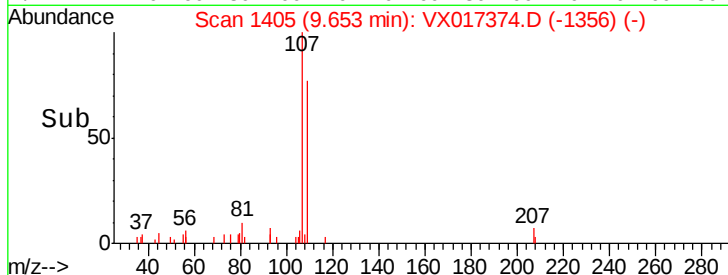
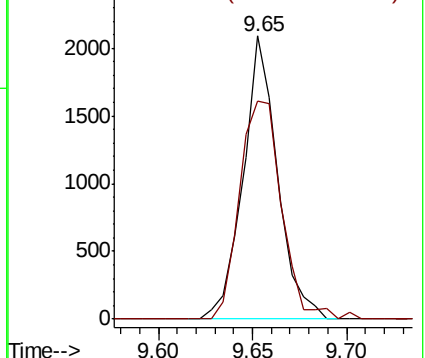
107 100

109 94.4 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 37.674 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

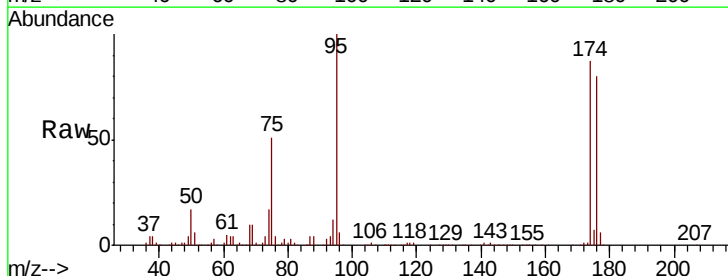
Tgt Ion: 95 Resp: 184698

Ion Ratio Lower Upper

95 100

174 85.0 0.0 175.8

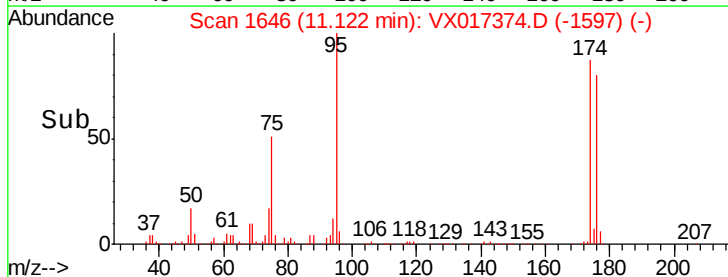
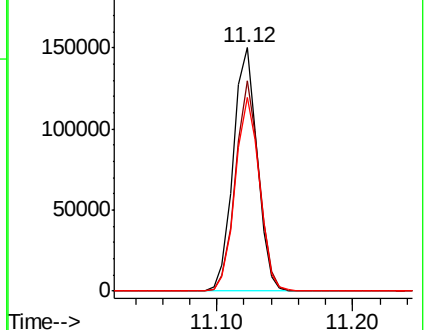
176 80.7 0.0 164.6

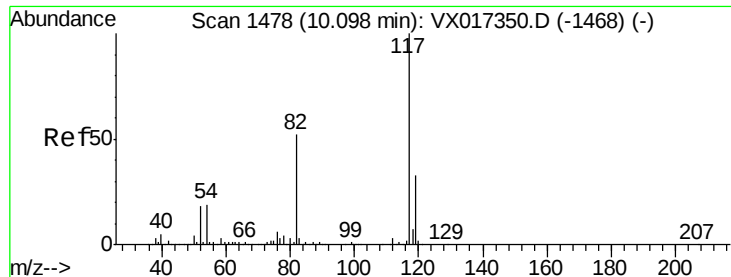


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

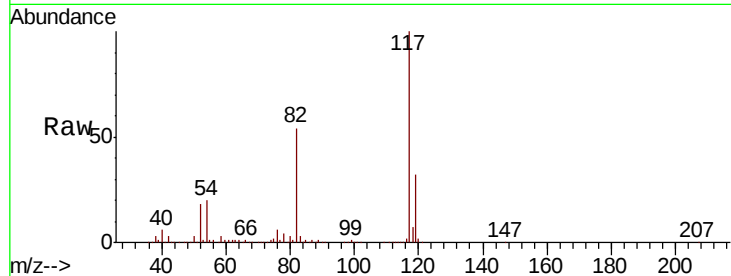




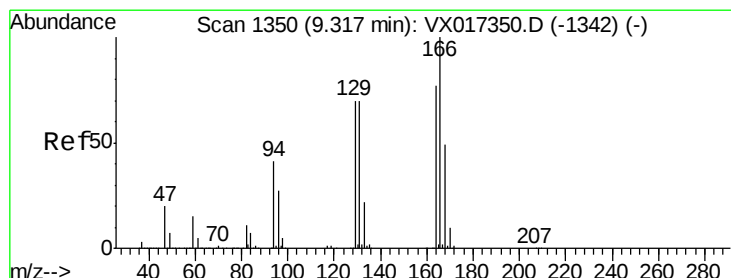
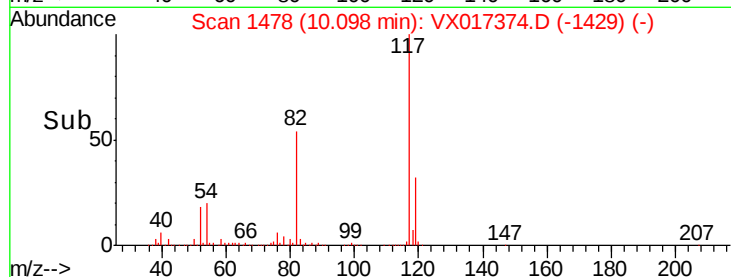
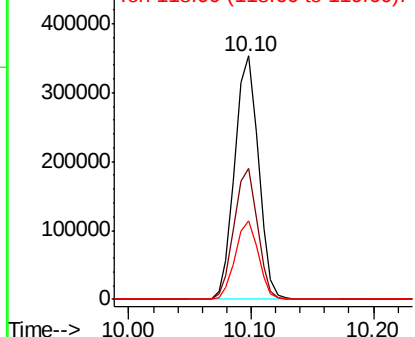
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion:117 Resp: 473073
Ion Ratio Lower Upper
117 100
82 54.0 42.0 63.0
119 32.2 26.3 39.5

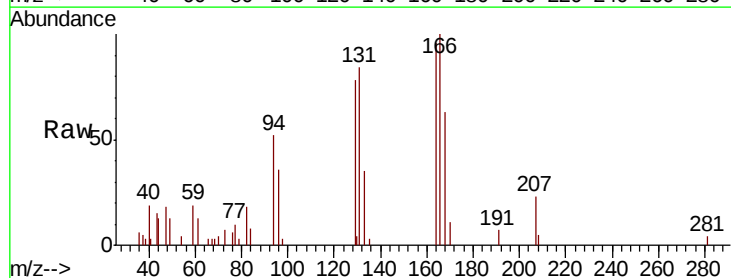


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

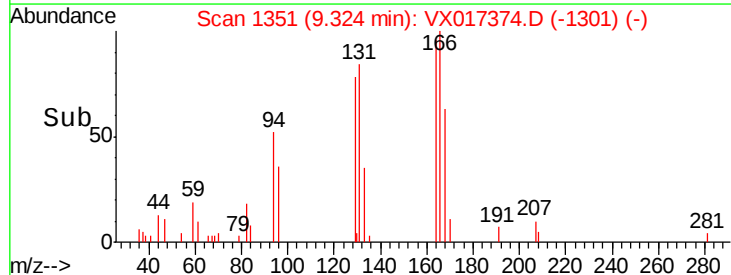
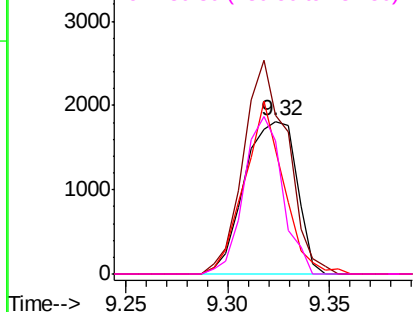


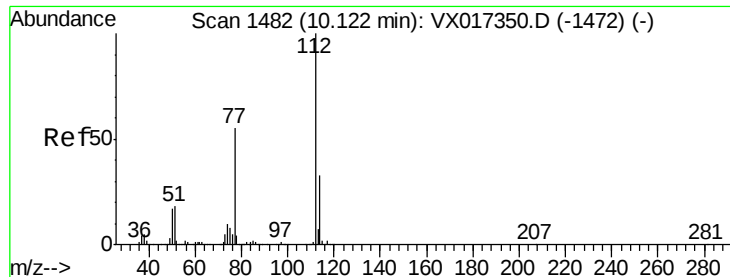
#64
Tetrachloroethene
Concen: 0.786 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion:164 Resp: 3220
Ion Ratio Lower Upper
164 100
166 104.1 103.9 155.9
129 81.7 72.9 109.3
131 87.1 72.5 108.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 0.656 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

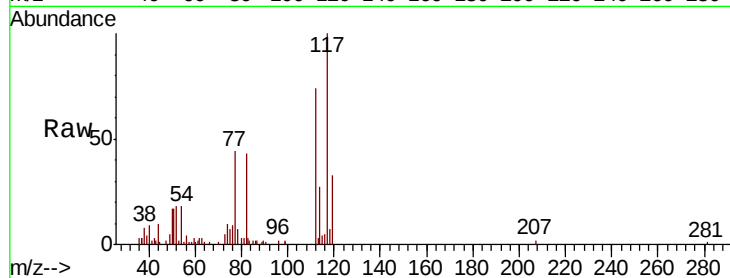
MDL-WATER-03-QT3-2020

Tot Ion:112 Resp: 6306

Ion Ratio Lower Upper

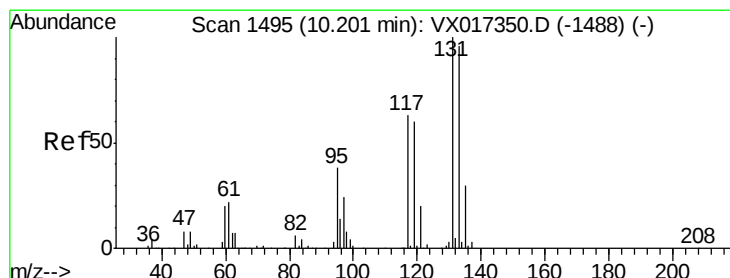
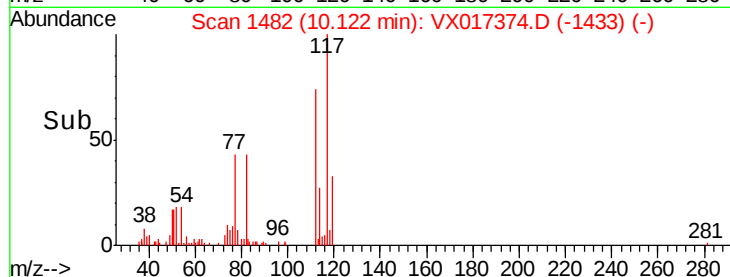
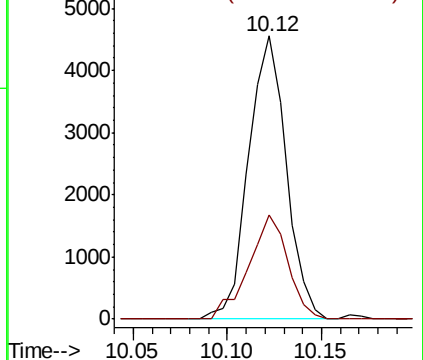
112 100

114 36.8 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: 0.689 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

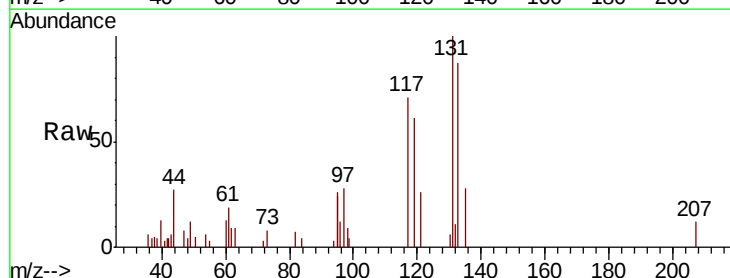
Tgt Ion:131 Resp: 2639

Ion Ratio Lower Upper

131 100

133 89.8 48.4 145.2

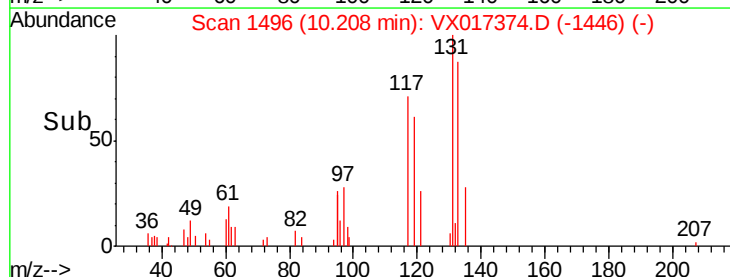
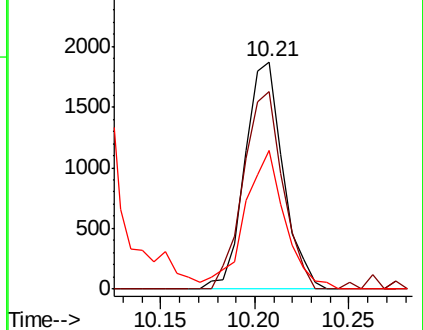
119 0.0 31.2 93.6#

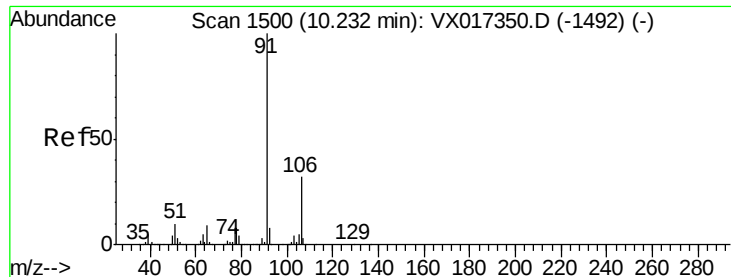


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

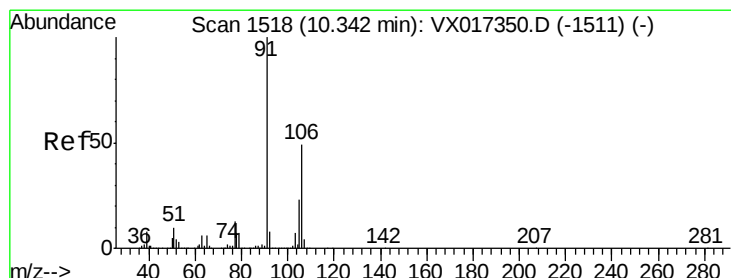
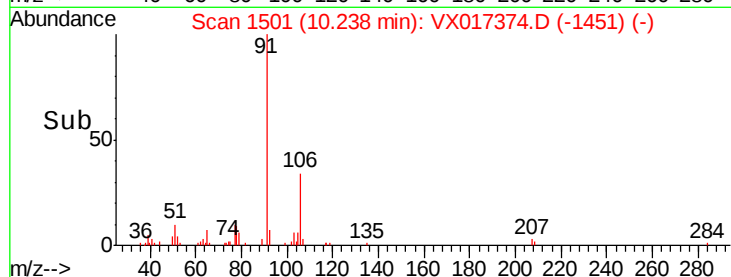
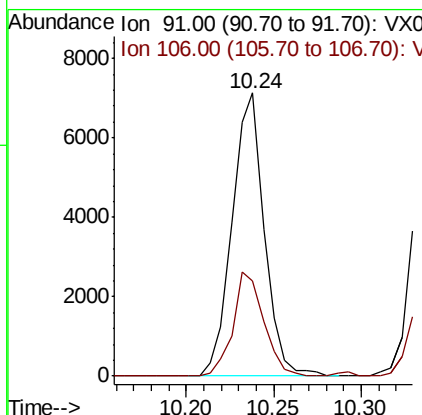
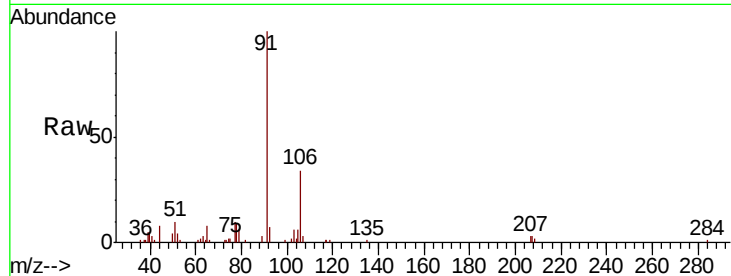




#67
Ethyl Benzene
Concen: 0.570 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

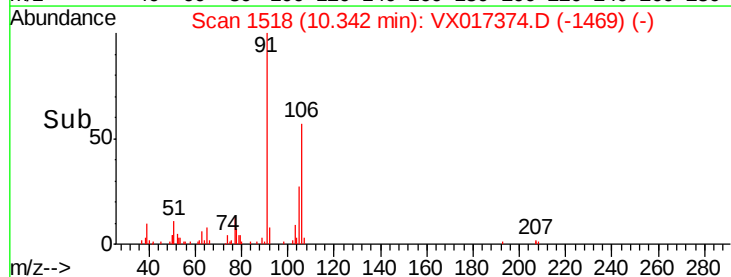
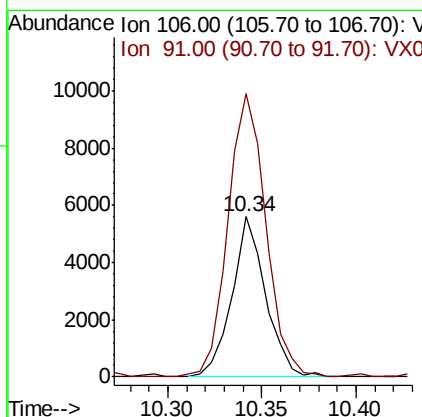
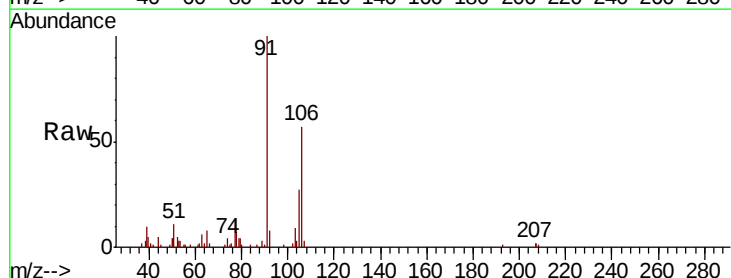
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

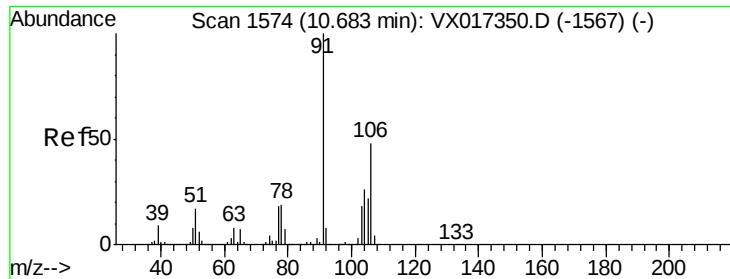
Tot Ion: 91 Resp: 9121
Ion Ratio Lower Upper
91 100
106 33.6 25.7 38.5



#68
m/p-Xylenes
Concen: 1.144 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 106 Resp: 6968
Ion Ratio Lower Upper
106 100
91 197.6 162.5 243.7

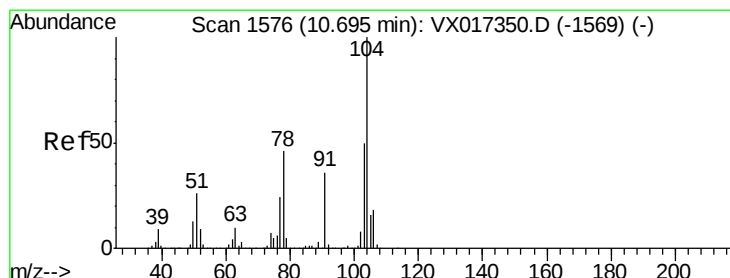
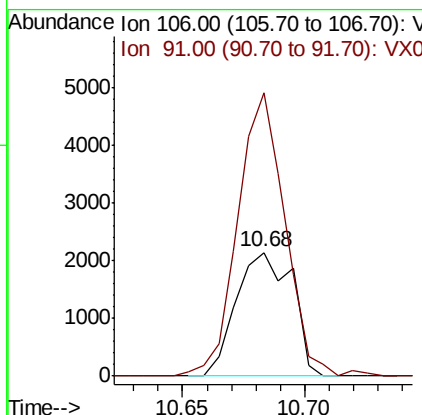
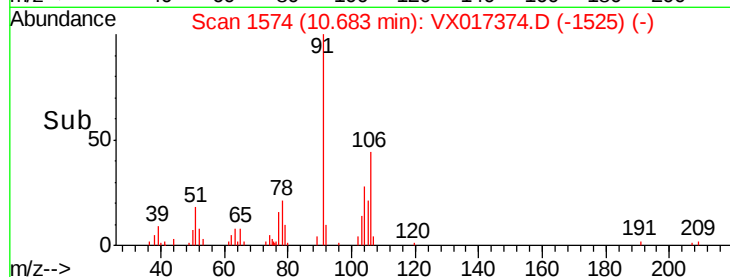
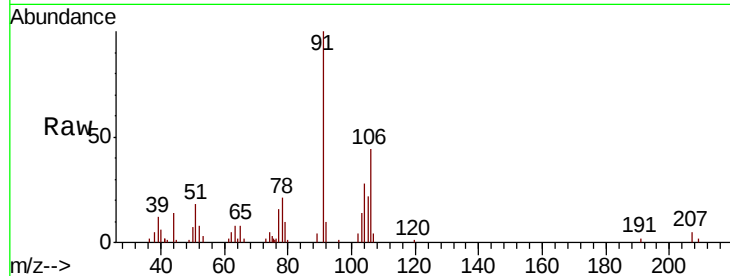




#69
o-Xylene
Concen: 0.583 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

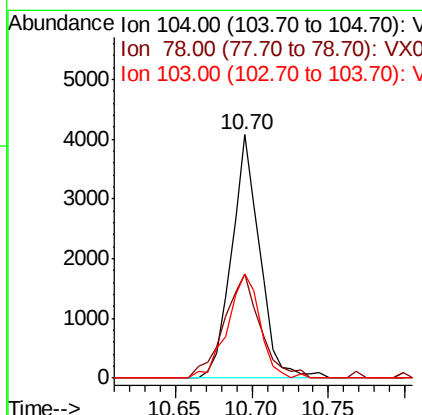
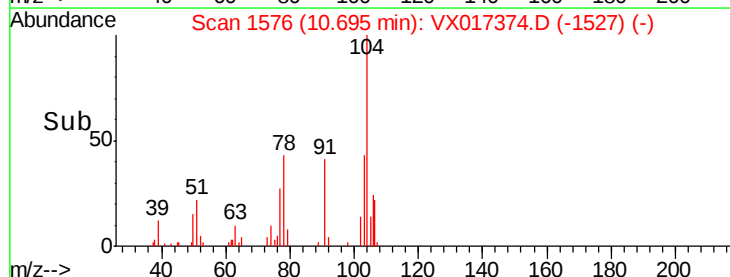
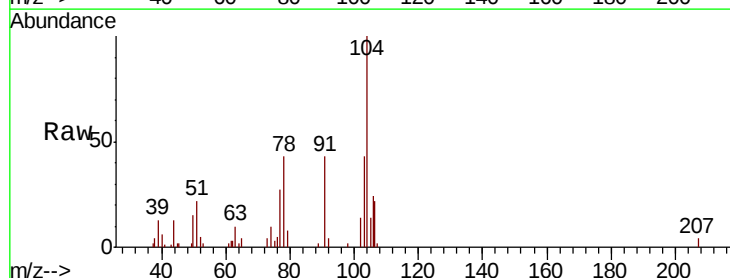
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

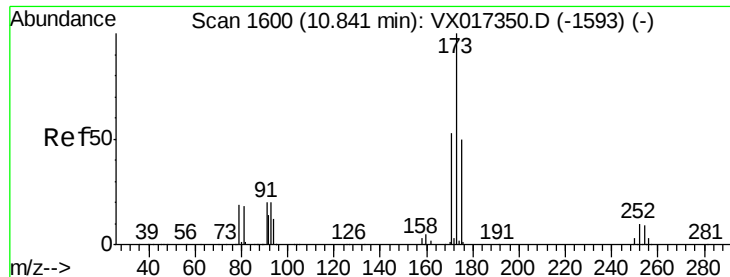
Tot Ion:106 Resp: 3392
Ion Ratio Lower Upper
106 100
91 194.7 106.1 318.1



#70
Styrene
Concen: 0.521 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion:104 Resp: 5203
Ion Ratio Lower Upper
104 100
78 54.8 40.8 61.2
103 48.9 43.3 64.9





#71

Bromoform

Concen: 0.591 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

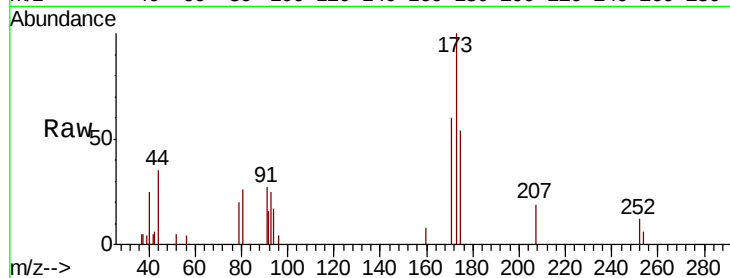
Tot Ion:173 Resp: 1908

Ion Ratio Lower Upper

173 100

175 56.7 24.7 74.1

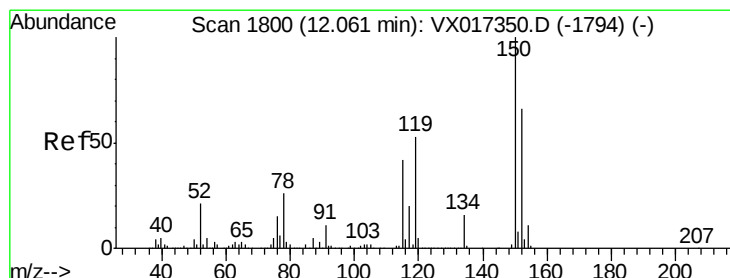
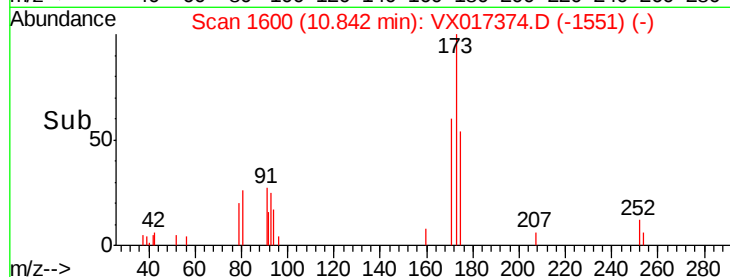
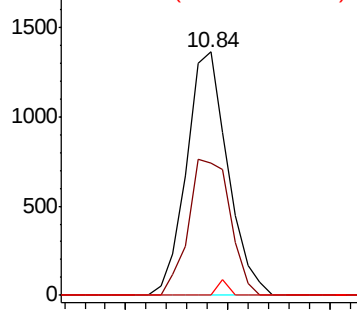
254 1.6 0.1 0.1#



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: VX017374.D

Acq: 14 Jul 2020 13:26

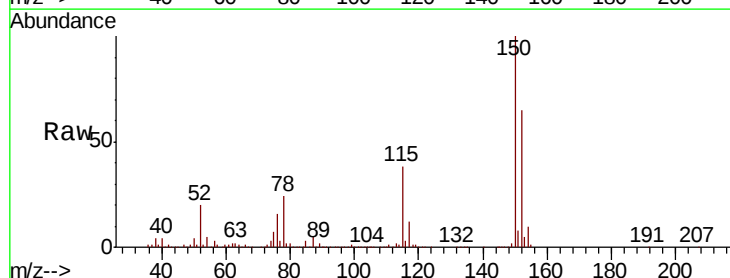
Tgt Ion:152 Resp: 240574

Ion Ratio Lower Upper

152 100

115 56.6 39.9 119.7

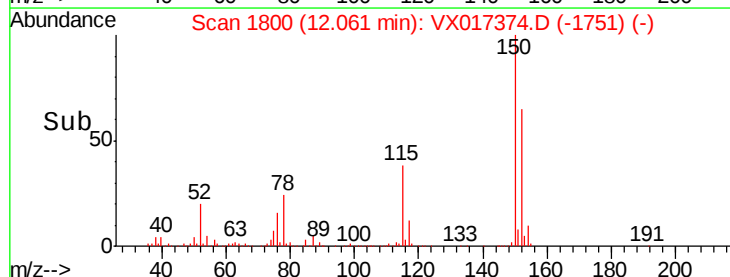
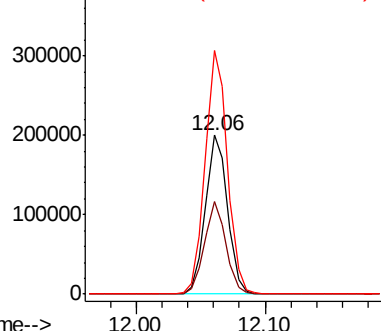
150 153.7 0.0 343.4

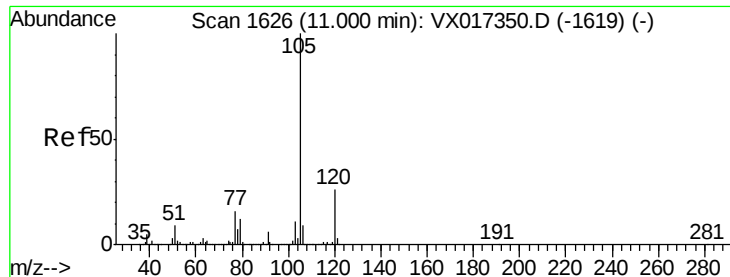


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.546 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

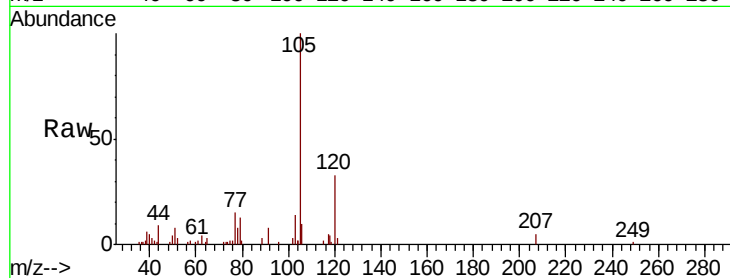
MDL-WATER-03-QT3-2020

Tot Ion: 105 Resp: 8236

Ion Ratio Lower Upper

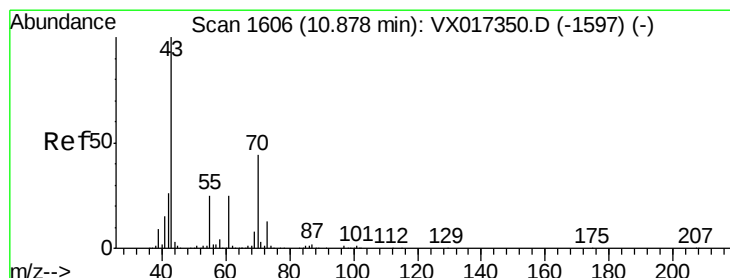
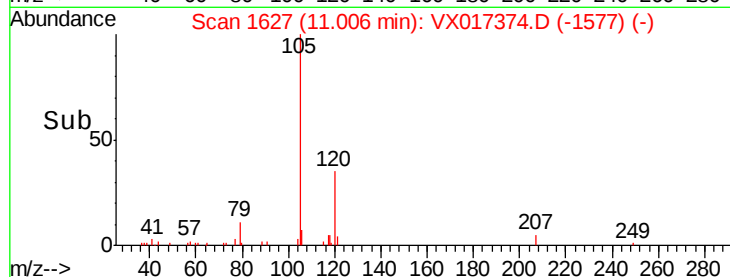
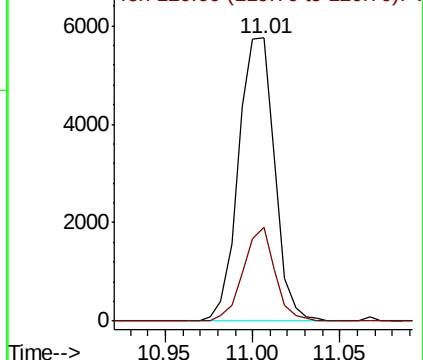
105 100

120 29.0 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: 0.525 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion: 43 Resp: 3170

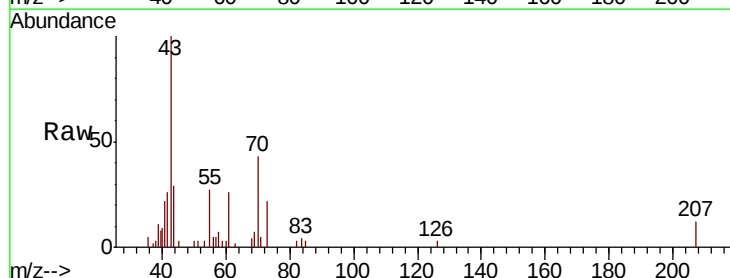
Ion Ratio Lower Upper

43 100

70 45.7 35.7 53.5

55 28.0 20.3 30.5

61 28.1 20.0 30.0

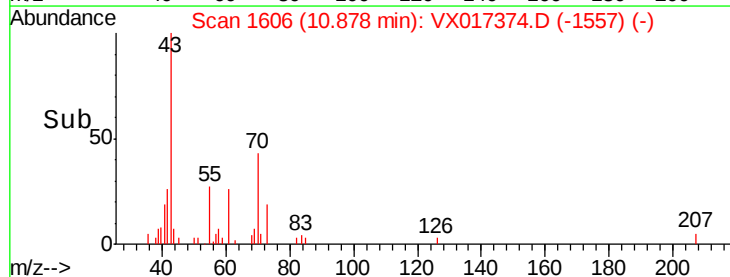
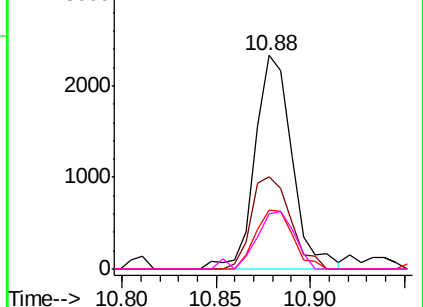


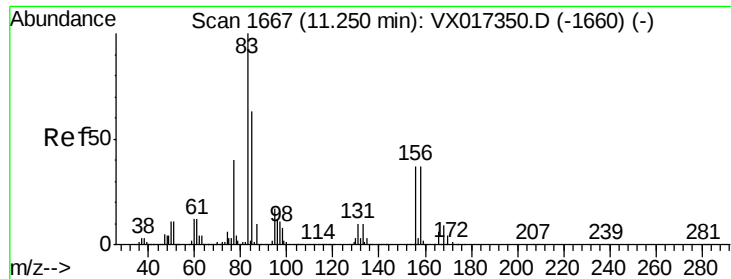
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.643 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

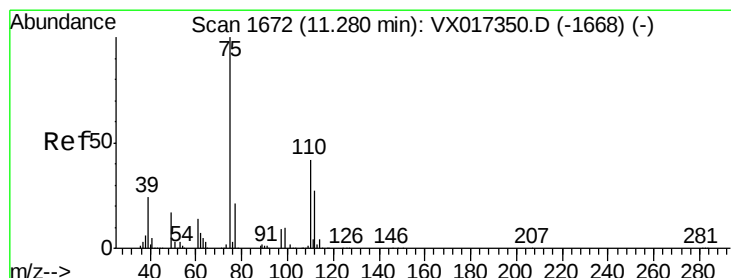
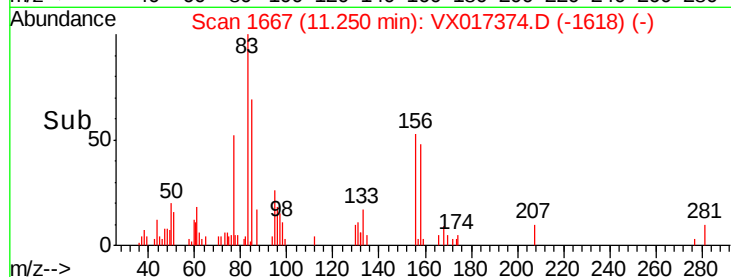
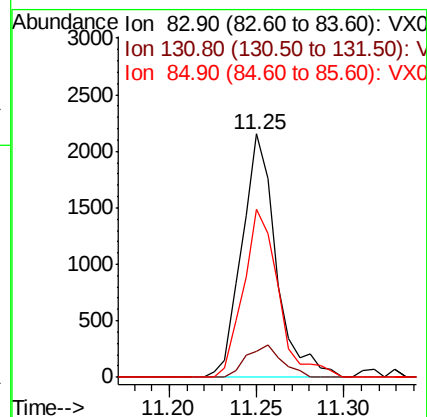
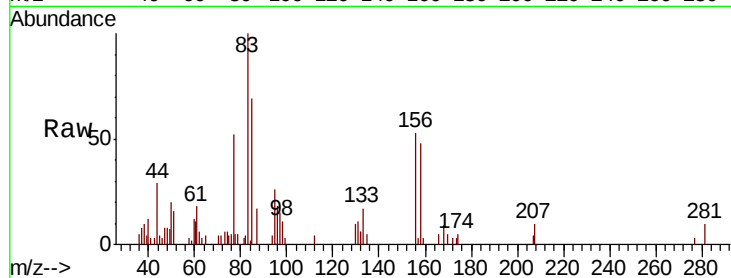
Tot Ion: 83 Resp: 2945

Ion Ratio Lower Upper

83 100

131 13.7 5.5 16.7

85 70.5 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 0.972 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017374.D

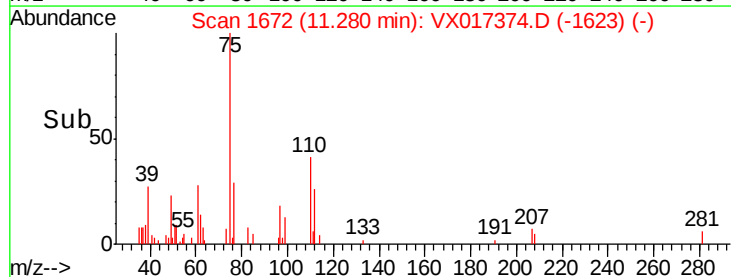
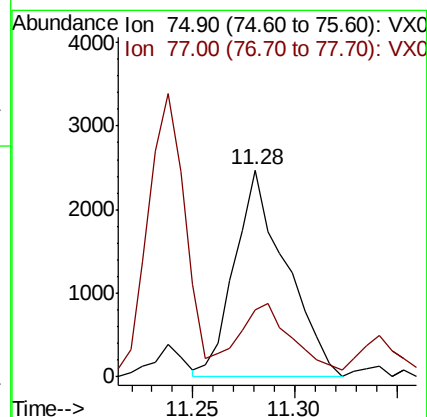
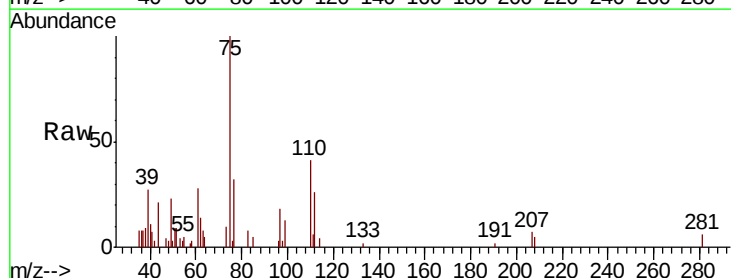
Acq: 14 Jul 2020 13:26

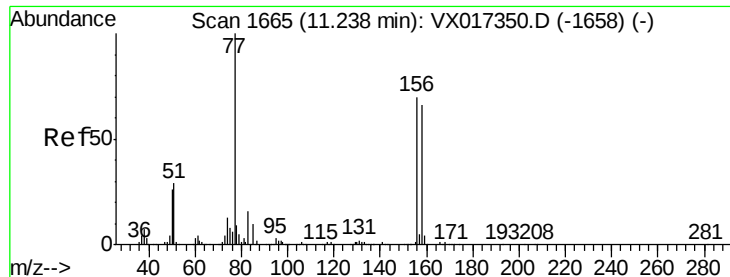
Tgt Ion: 75 Resp: 4319

Ion Ratio Lower Upper

75 100

77 37.3 20.3 60.9





#77

Bromobenzene

Concen: 0.710 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

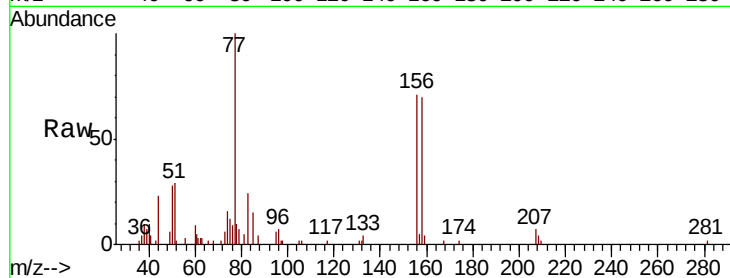
Tot Ion:156 Resp: 3048

Ion Ratio Lower Upper

156 100

77 143.5 72.1 216.3

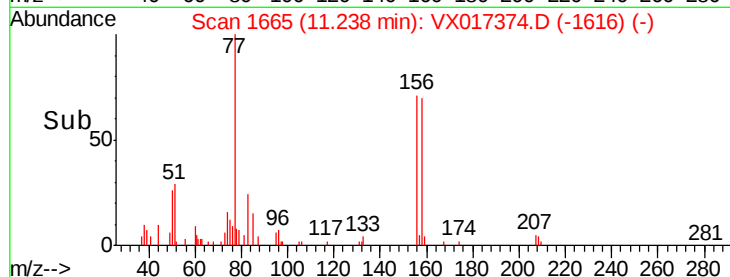
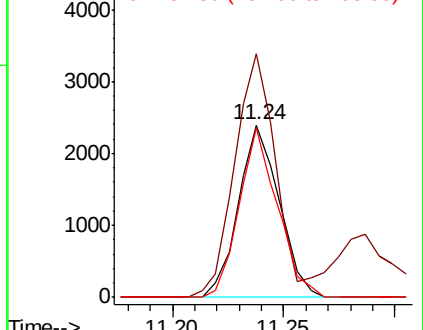
158 92.5 47.4 142.3



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: 0.628 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017374.D

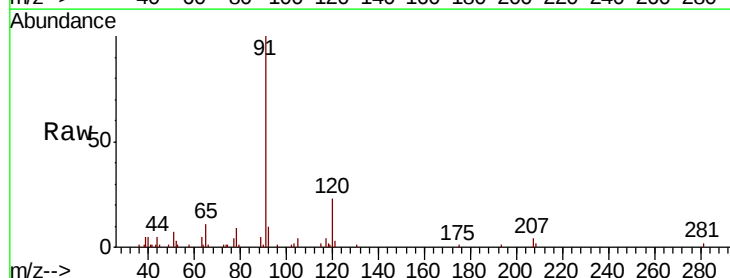
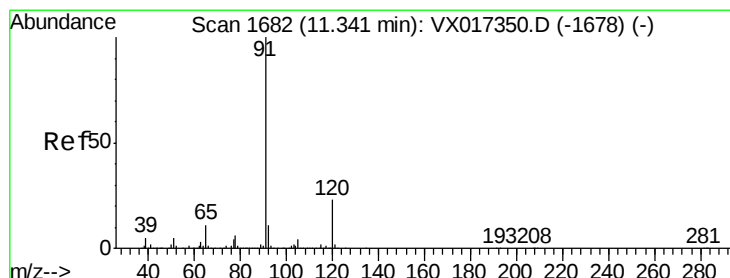
Acq: 14 Jul 2020 13:26

Tgt Ion: 91 Resp: 10641

Ion Ratio Lower Upper

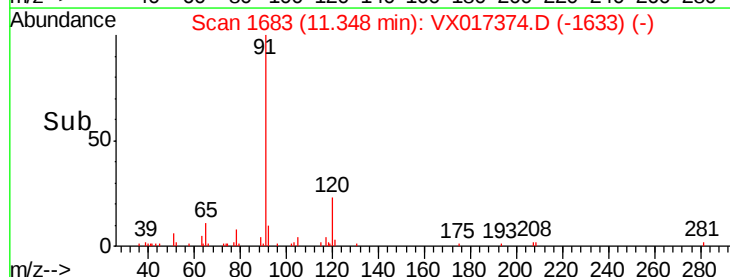
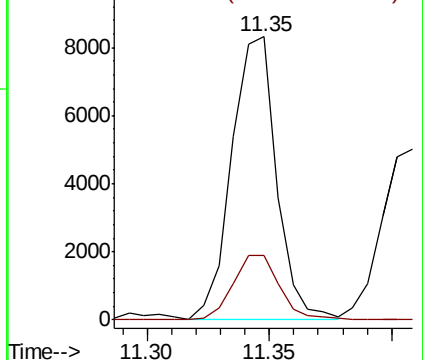
91 100

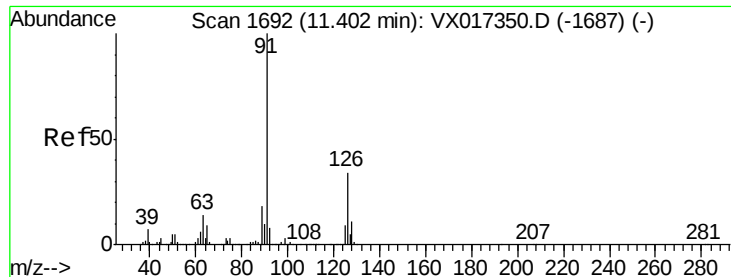
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

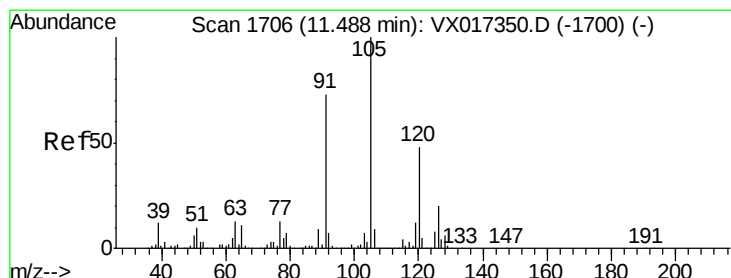
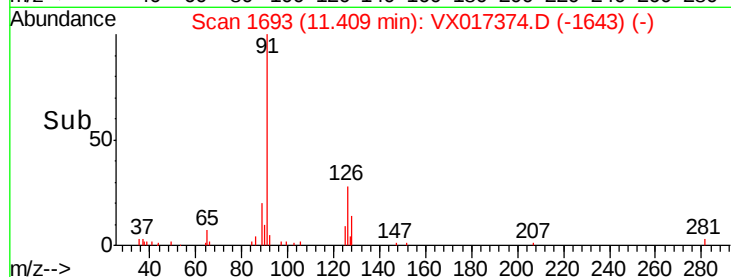
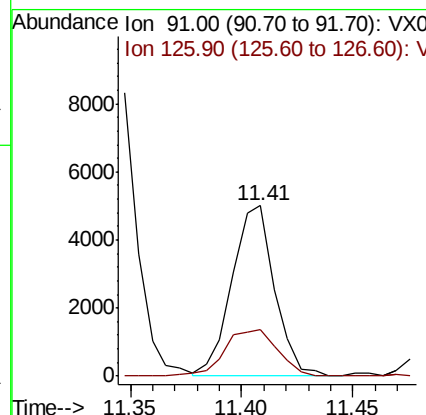
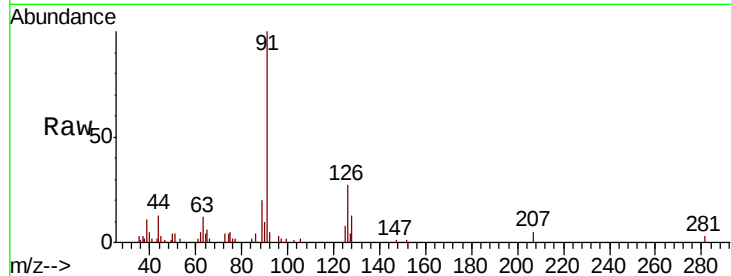




#79
2-Chlorotoluene
Concen: 0.641 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

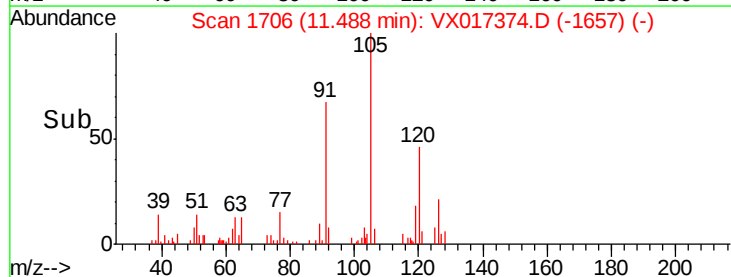
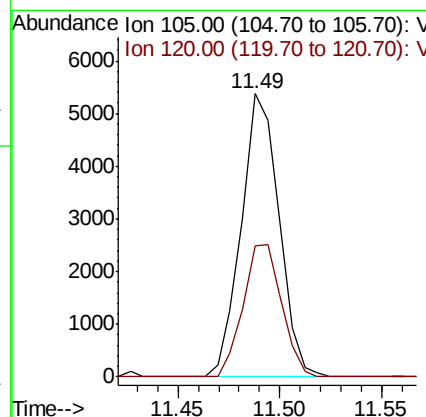
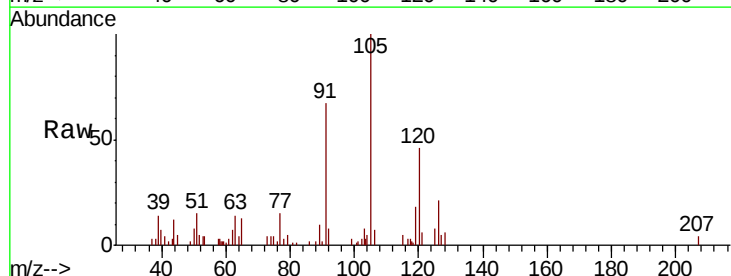
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

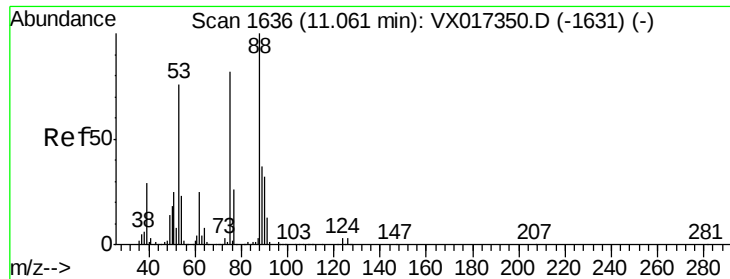
Tot Ion: 91 Resp: 6695
Ion Ratio Lower Upper
91 100
126 33.4 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 0.541 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 105 Resp: 6927
Ion Ratio Lower Upper
105 100
120 47.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.834 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

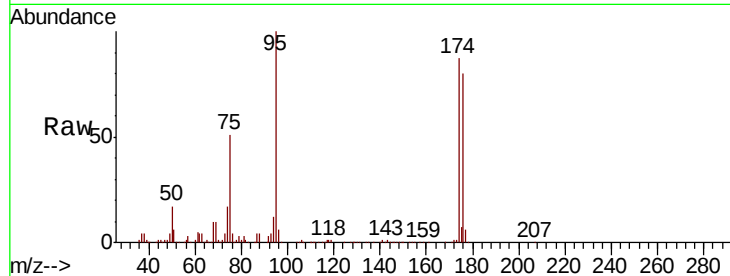
Tot Ion: 75 Resp: 92585

Ion Ratio Lower Upper

75 100

53 0.3 76.5 114.7#

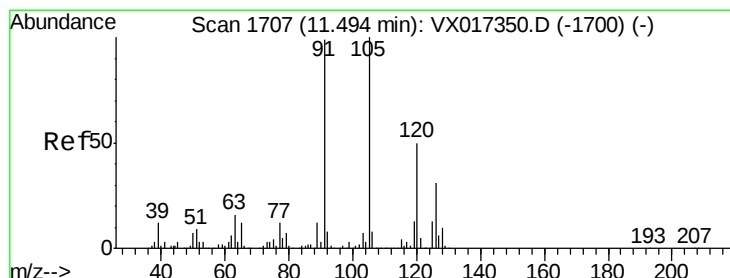
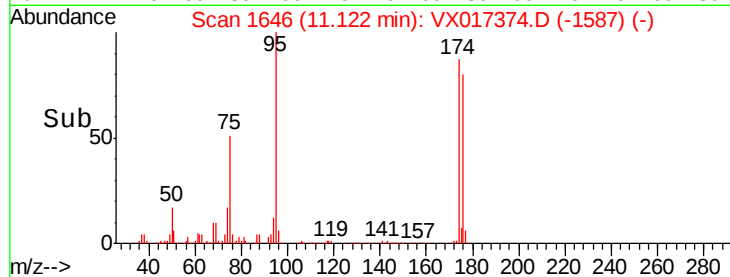
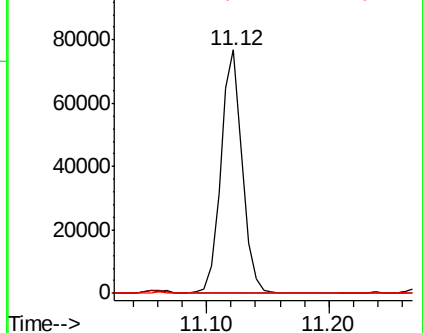
89 0.1 38.1 57.1#



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: 0.636 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017374.D

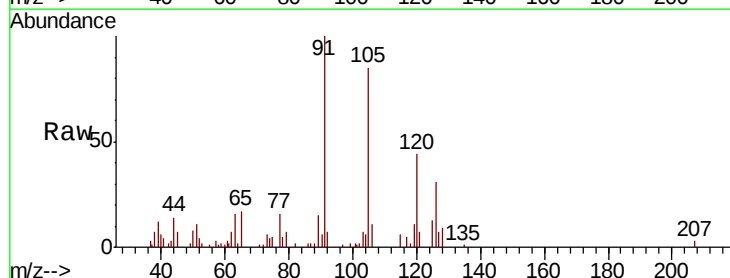
Acq: 14 Jul 2020 13:26

Tgt Ion: 91 Resp: 7863

Ion Ratio Lower Upper

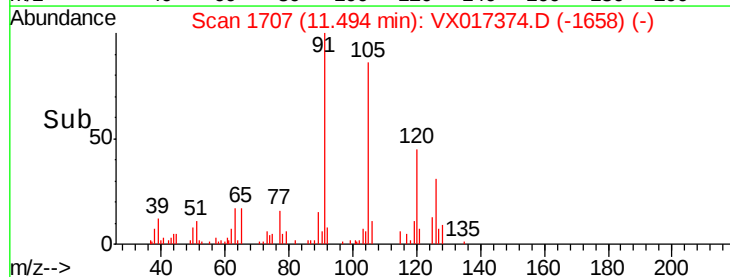
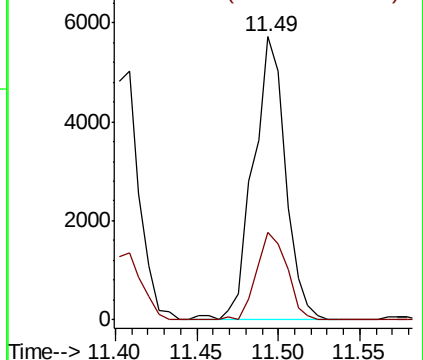
91 100

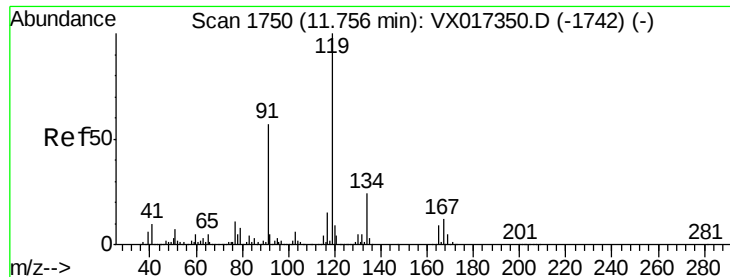
126 29.3 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

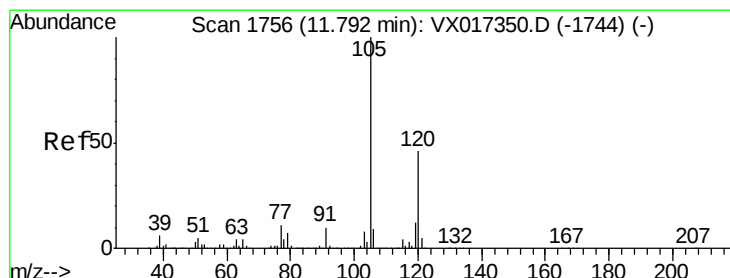
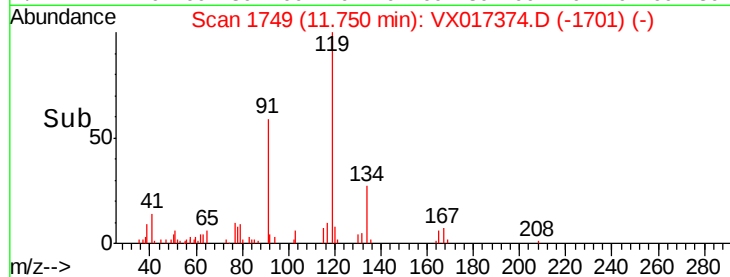
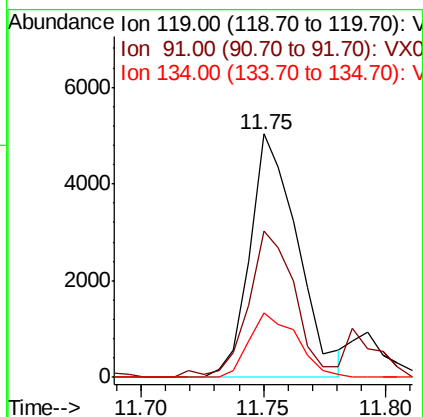
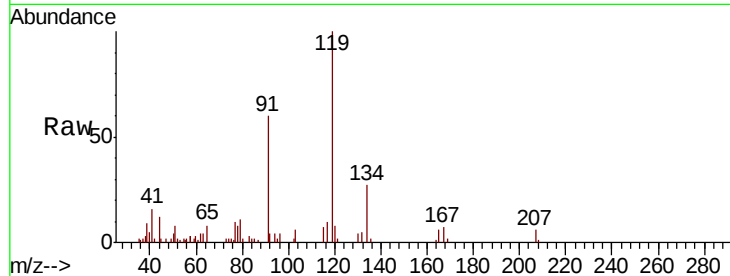




#83
tert-Butylbenzene
Concen: 0.551 ug/l
RT: 11.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

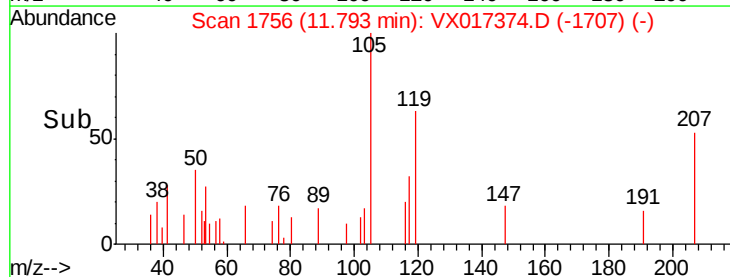
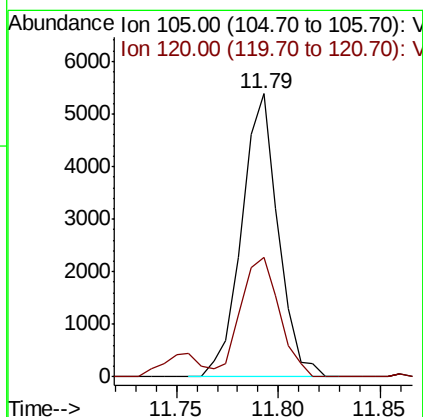
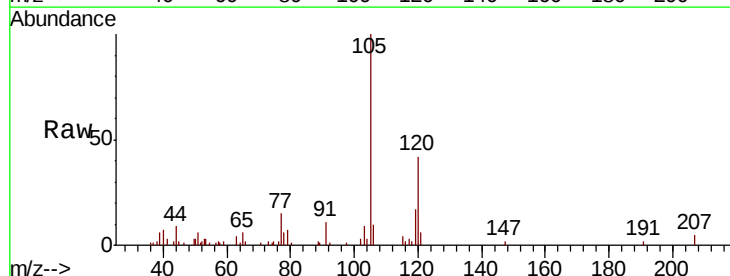
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

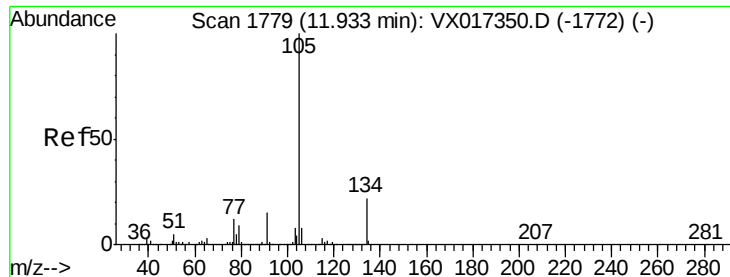
Tot Ion:119 Resp: 6819
Ion Ratio Lower Upper
119 100
91 59.9 28.5 85.6
134 26.5 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 0.517 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion:105 Resp: 6686
Ion Ratio Lower Upper
105 100
120 44.6 22.8 68.4





#85

sec-Butylbenzene

Concen: 0.529 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

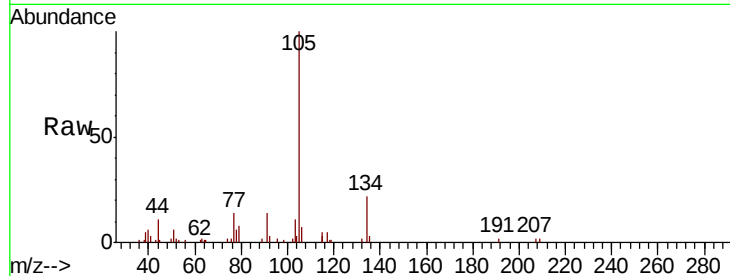
MDL-WATER-03-QT3-2020

Tot Ion:105 Resp: 7657

Ion Ratio Lower Upper

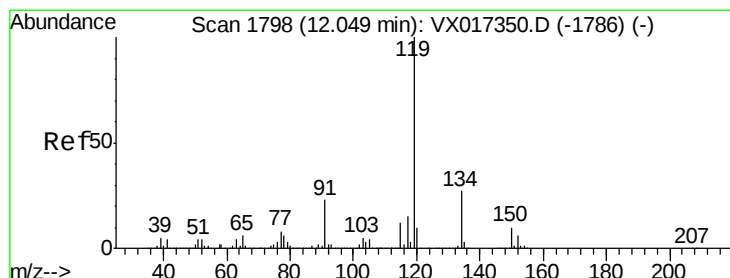
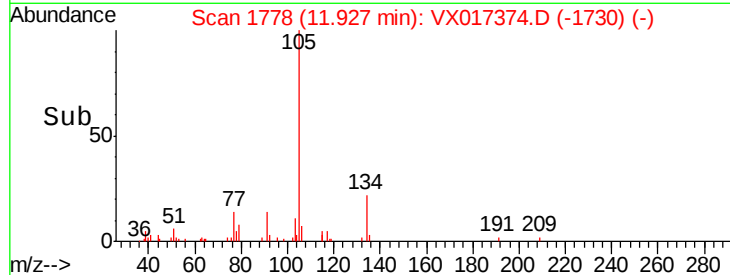
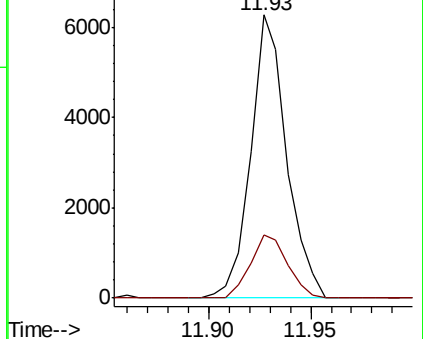
105 100

134 23.3 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.524 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

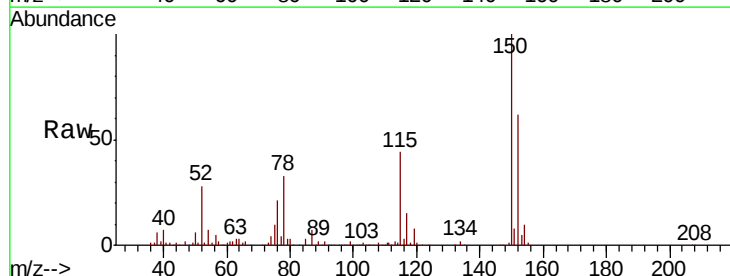
Tgt Ion:119 Resp: 7183

Ion Ratio Lower Upper

119 100

134 28.6 13.5 40.5

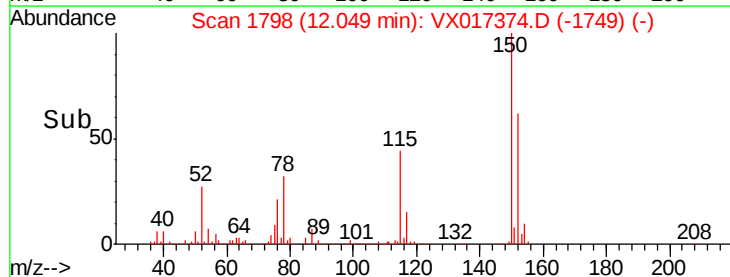
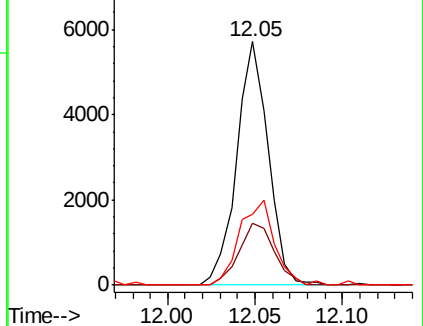
91 38.7 11.8 35.3#

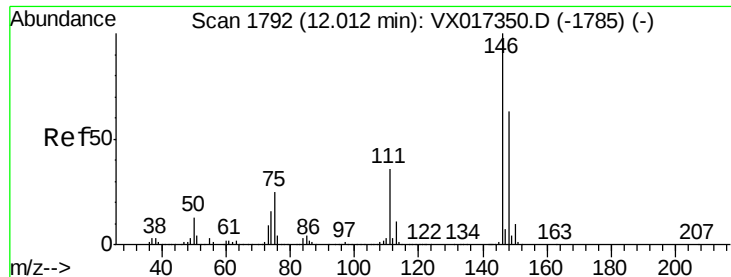


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 0.636 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

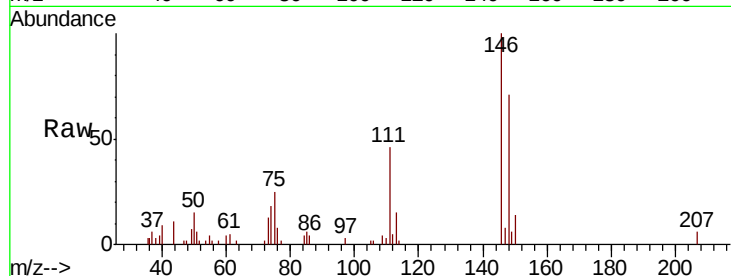
Tot Ion:146 Resp: 4886

Ion Ratio Lower Upper

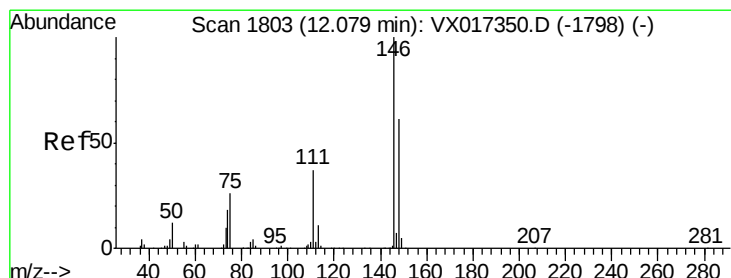
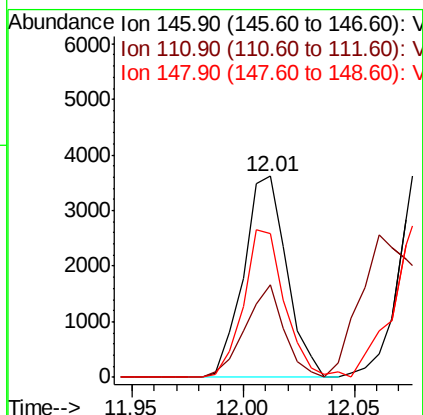
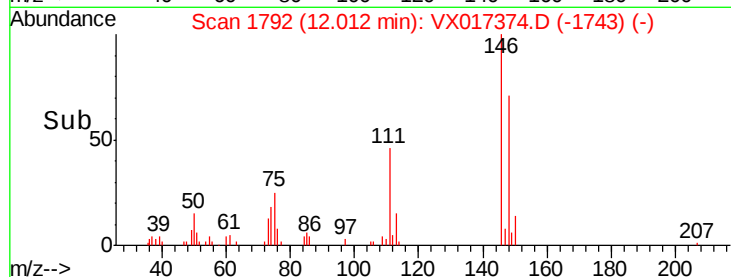
146 100

111 41.3 19.2 57.6

148 69.7 31.6 95.0



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



#88

1,4-Dichlorobenzene

Concen: 0.629 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.07 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

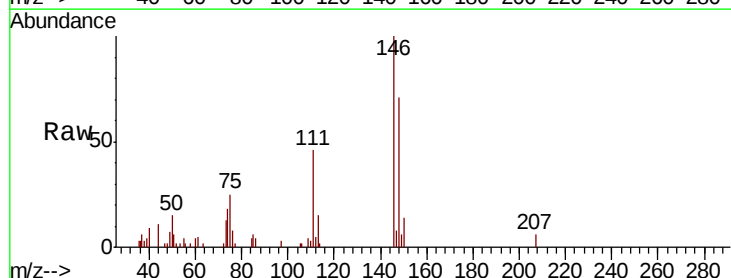
Tgt Ion:146 Resp: 4886

Ion Ratio Lower Upper

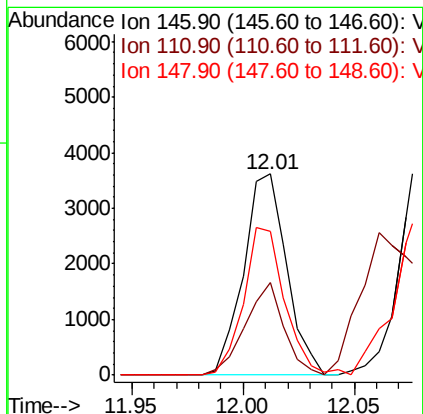
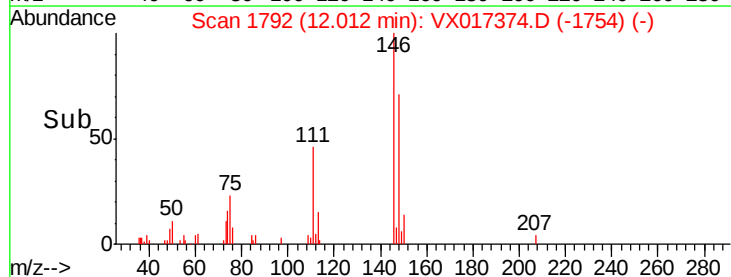
146 100

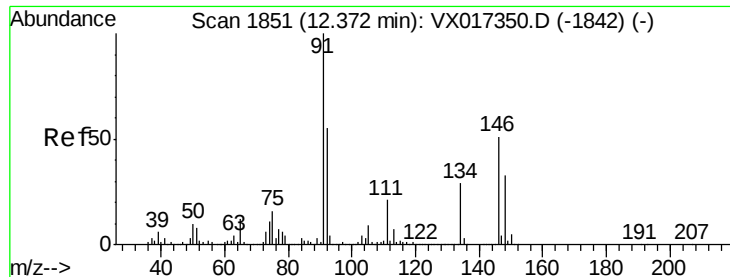
111 41.3 18.9 56.9

148 69.7 31.9 95.9



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





#89

n-Butylbenzene

Concen: 0.605 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

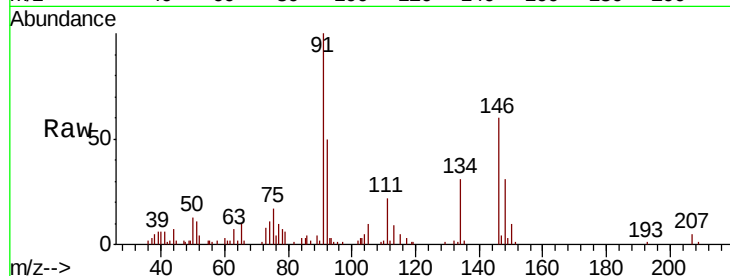
Tot Ion: 91 Resp: 7076

Ion Ratio Lower Upper

91 100

92 52.6 27.0 81.0

134 31.5 14.1 42.2

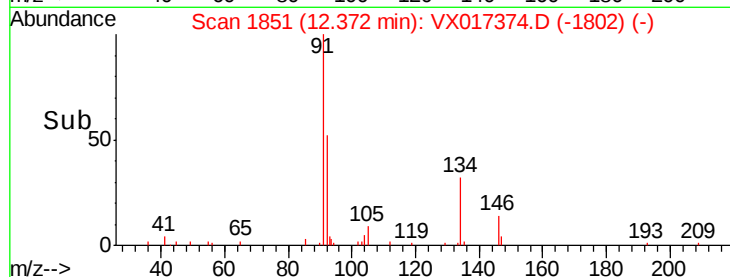


Abundance Ion 91.00 (90.70 to 91.70): VX017350.D (-1842) (-)

Ion 92.00 (91.70 to 92.70): VX017350.D (-1842) (-)

Ion 134.00 (133.70 to 134.70): VX017350.D (-1842) (-)

Time--> 12.30 12.35 12.40

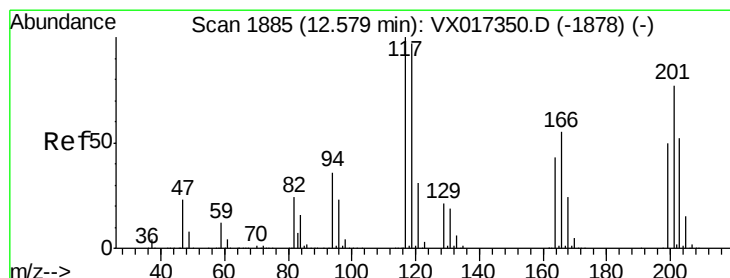


Abundance Ion 91.00 (90.70 to 91.70): VX017374.D (-1802) (-)

Ion 92.00 (91.70 to 92.70): VX017374.D (-1802) (-)

Ion 134.00 (133.70 to 134.70): VX017374.D (-1802) (-)

Time--> 12.30 12.35 12.40



#90

Hexachloroethane

Concen: 0.605 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX017374.D

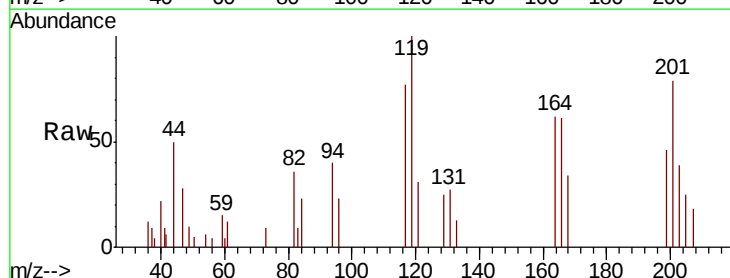
Acq: 14 Jul 2020 13:26

Tgt Ion: 117 Resp: 1574

Ion Ratio Lower Upper

117 100

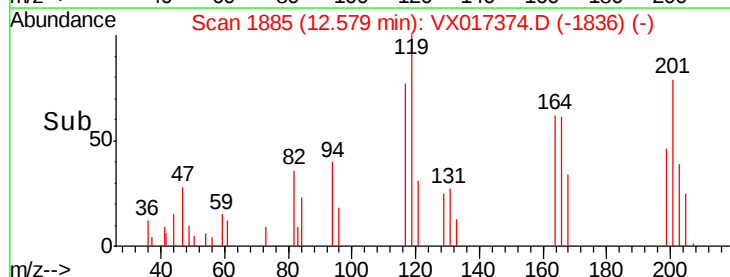
201 87.6 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VX017350.D (-1878) (-)

Ion 200.70 (200.40 to 201.40): VX017350.D (-1878) (-)

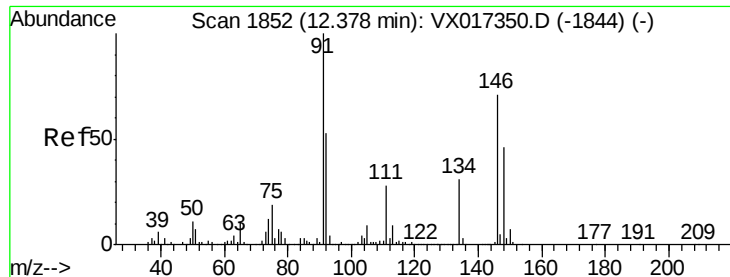
Time--> 12.55 12.60



Abundance Ion 116.80 (116.50 to 117.50): VX017374.D (-1836) (-)

Ion 200.70 (200.40 to 201.40): VX017374.D (-1836) (-)

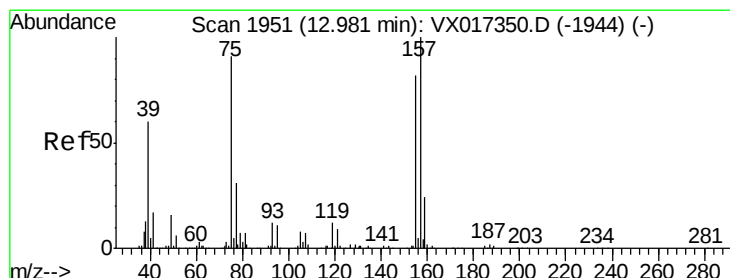
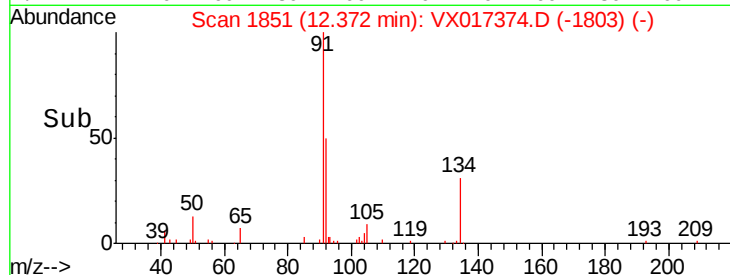
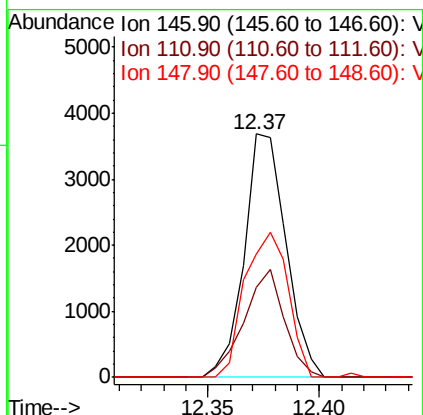
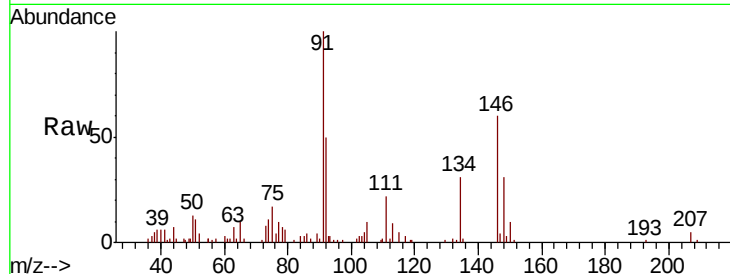
Time--> 12.55 12.60



#91
 1,2-Dichlorobenzene
 Concen: 0.669 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

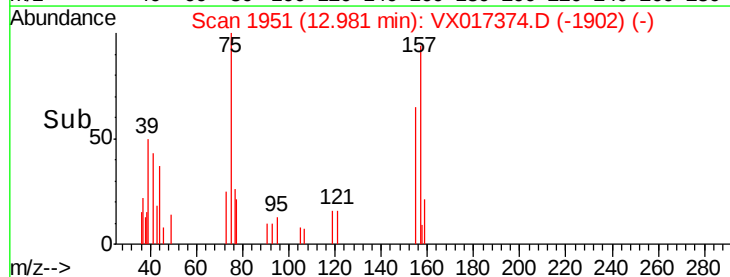
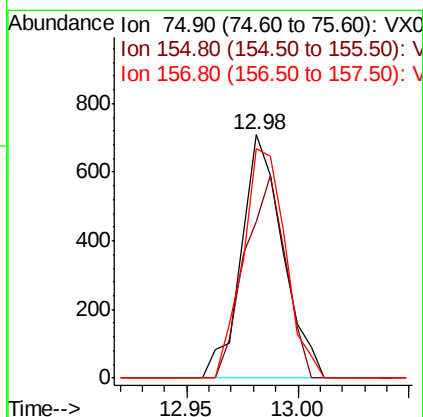
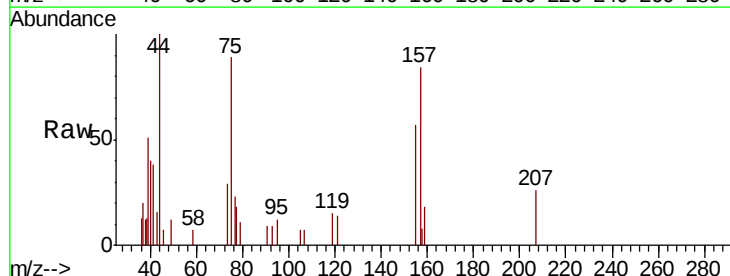
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

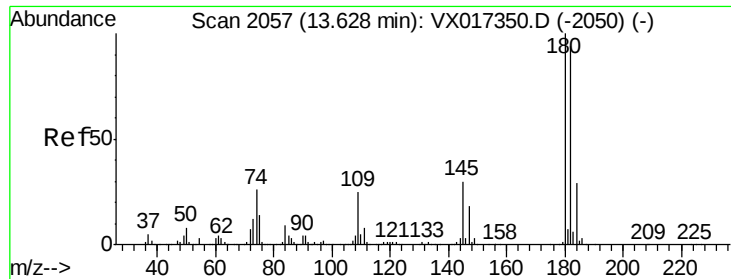
Tot Ion:146 Resp: 4834
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.3 61.0
 148 61.9 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.763 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

Tgt Ion: 75 Resp: 922
 Ion Ratio Lower Upper
 75 100
 155 81.6 46.5 139.3
 157 97.0 58.0 173.9

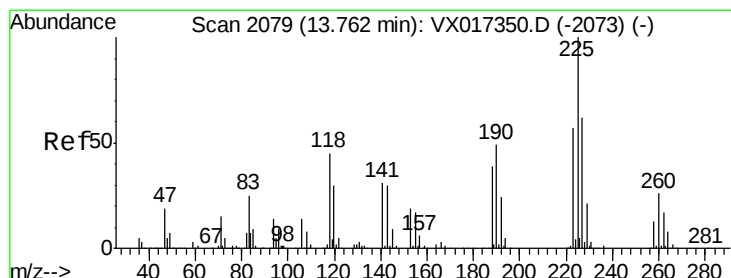
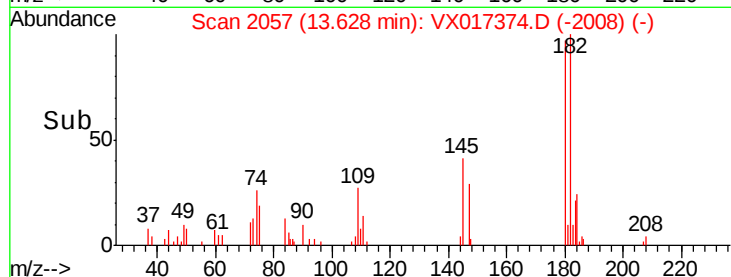
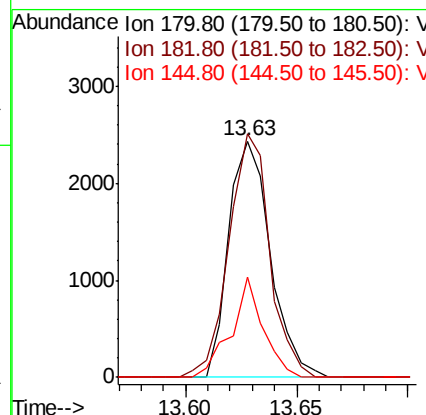
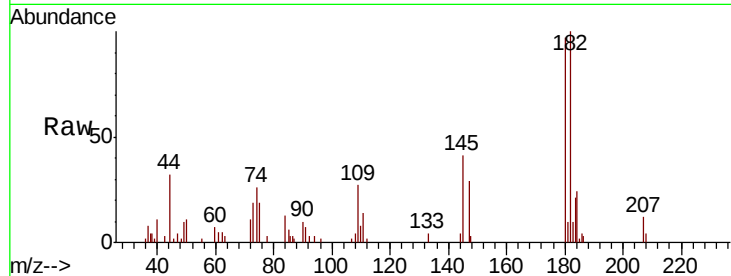




#93
 1,2,4-Trichlorobenzene
 Concen: 0.631 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

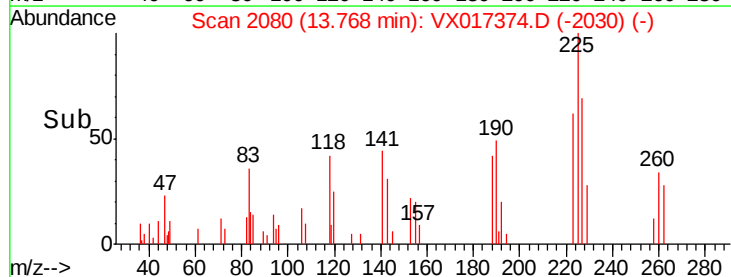
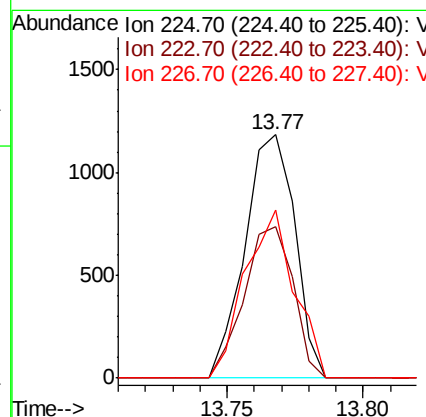
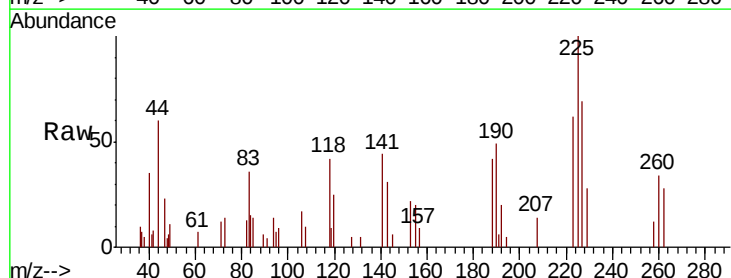
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

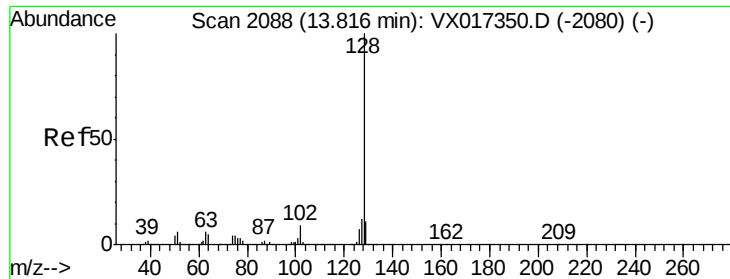
Tot Ion:180 Resp: 3165
 Ion Ratio Lower Upper
 180 100
 182 100.9 48.4 145.0
 145 32.9 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 0.737 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

Tgt Ion:225 Resp: 1506
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.3 93.8
 227 68.3 31.6 95.0

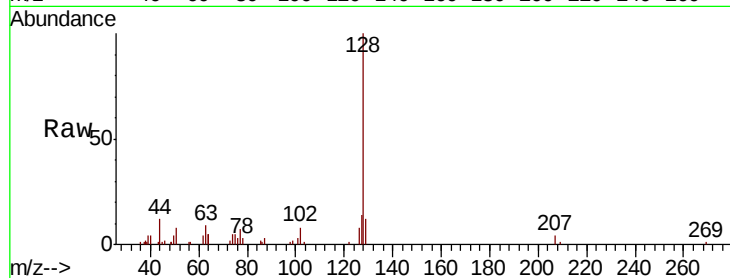




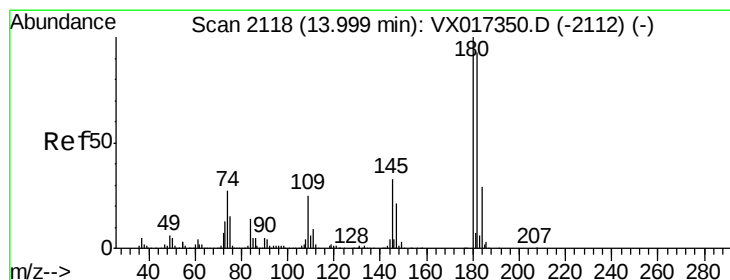
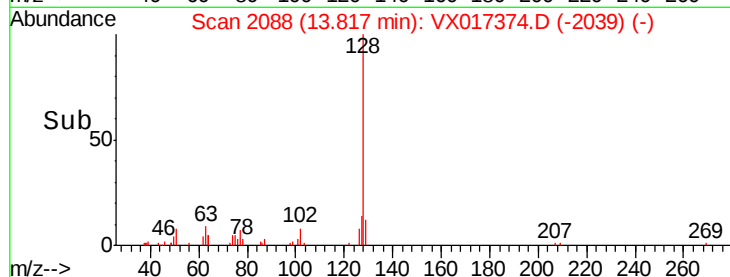
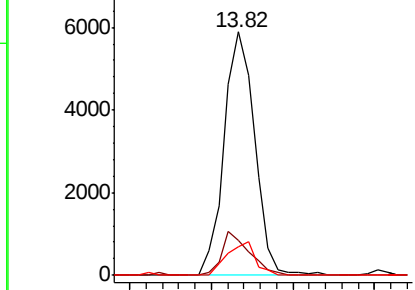
#95
Naphthalene
Concen: 0.522 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion:128 Resp: 7688
Ion Ratio Lower Upper
128 100
127 16.3 10.2 15.4#
129 12.8 8.9 13.3

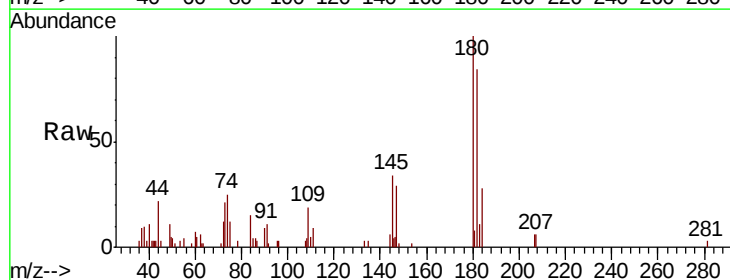


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.668 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion:180 Resp: 3234
Ion Ratio Lower Upper
180 100
182 99.1 48.8 146.3
145 32.5 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

