

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017368.D
 Acq On : 14 Jul 2020 11:03
 Operator : JC/SP
 Sample : L3216-09 .5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 15 02:07:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 15 02:05:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	289734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	453403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208923	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	184559	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	5.46	113	148796	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.70	98	510184	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
62) 4-Bromofluorobenzene	11.12	95	185664	42.43	ug/l	0.00
Spiked Amount			Recovery	=	84.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1144	0.467	ug/l	100
3) Chloromethane	1.31	50	1543	0.559	ug/l	96
4) Vinyl Chloride	1.40	62	1231	0.451	ug/l	90
5) Bromomethane	1.64	94	1643	0.924	ug/l #	78
6) Chloroethane	1.72	64	1061	0.616	ug/l #	78
7) Trichlorofluoromethane	1.92	101	2365	0.513	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1399	0.533	ug/l	95
10) Methyl Iodide	2.49	142	1381	0.434	ug/l #	85
11) Tert butyl alcohol	3.01	59	1749	2.855	ug/l	99
12) 1,1-Dichloroethene	2.36	96	1348	0.511	ug/l #	76
13) Acrolein	2.28	56	1027	3.058	ug/l #	61
14) Allyl chloride	2.71	41	2465	0.540	ug/l	96
15) Acrylonitrile	3.12	53	4216	2.839	ug/l	89
16) Acetone	2.42	43	4060	3.130	ug/l	99
17) Carbon Disulfide	2.55	76	4548	0.591	ug/l #	85
18) Methyl Acetate	2.75	43	1914	0.597	ug/l #	81
19) Methyl tert-butyl Ether	3.18	73	4071	0.455	ug/l #	83
20) Methylene Chloride	2.84	84	2551	0.806	ug/l	86
21) trans-1,2-Dichloroethene	3.14	96	1717	0.569	ug/l	86
22) Diisopropyl ether	3.82	45	3953	0.454	ug/l #	67
23) Vinyl Acetate	3.79	43	15795	2.064	ug/l #	90
24) 1,1-Dichloroethane	3.68	63	2577	0.504	ug/l #	92
25) 2-Butanone	4.64	43	5195	2.521	ug/l #	88
26) 2,2-Dichloropropane	4.56	77	2826	0.594	ug/l	100
27) cis-1,2-Dichloroethene	4.55	96	951	0.287	ug/l	12
28) Bromochloromethane	4.98	49	1647	0.697	ug/l #	82
29) Tetrahydrofuran	5.09	42	1990	1.492	ug/l #	54
30) Chloroform	5.18	83	2622	0.476	ug/l	94
31) Cyclohexane	5.54	56	1834	0.438	ug/l	93
32) 1,1,1-Trichloroethane	5.46	97	2597	0.511	ug/l #	40
36) 1,1-Dichloropropene	5.76	75	2153	0.516	ug/l #	69
37) Ethyl Acetate	4.81	43	2167	0.502	ug/l #	90
38) Carbon Tetrachloride	5.76	117	2441	0.500	ug/l	97
39) Methylcyclohexane	7.45	83	2279	0.503	ug/l #	67

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.11	78	5673	0.473	ug/l	96
41) Methacrylonitrile	5.01	41	1143	0.494	ug/l #	58
42) 1,2-Dichloroethane	6.17	62	2846	0.611	ug/l	96
43) Isopropyl Acetate	6.41	43	3122	0.453	ug/l #	93
44) Trichloroethene	7.18	130	2039	0.557	ug/l	87
45) 1,2-Dichloropropane	7.49	63	1378	0.449	ug/l	94
46) Dibromomethane	7.64	93	1153	0.521	ug/l	93
47) Bromodichloromethane	7.87	83	1916	0.414	ug/l #	86
48) Methyl methacrylate	7.74	41	1703	0.515	ug/l #	83
49) 1,4-Dioxane	7.73	88	815	12.042	ug/l #	53
51) 4-Methyl-2-Pentanone	8.62	43	7961	1.894	ug/l	99
52) Toluene	8.77	92	3673	0.478	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	2441	0.490	ug/l	91
54) cis-1,3-Dichloropropene	8.42	75	2226	0.419	ug/l #	78
55) 1,1,2-Trichloroethane	9.20	97	1560	0.486	ug/l	92
56) Ethyl methacrylate	9.16	69	1555	0.342	ug/l #	73
57) 1,3-Dichloropropane	9.35	76	2337	0.438	ug/l #	76
58) 2-Chloroethyl Vinyl ether	8.29	63	4008	1.734	ug/l	99
59) 2-Hexanone	9.48	43	6159	1.942	ug/l	90
60) Dibromochloromethane	9.56	129	1471	0.375	ug/l	83
61) 1,2-Dibromoethane	9.65	107	1579	0.453	ug/l	90
64) Tetrachloroethene	9.32	164	1896	0.521	ug/l	96
65) Chlorobenzene	10.12	112	4149	0.485	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.21	131	1497	0.440	ug/l #	65
67) Ethyl Benzene	10.23	91	5614	0.395	ug/l	99
68) m/p-Xylenes	10.34	106	4259	0.787	ug/l	95
69) o-Xylene	10.68	106	1874	0.362	ug/l	85
70) Styrene	10.70	104	3435	0.387	ug/l	93
71) Bromoform	10.84	173	1160	0.404	ug/l #	99
73) Isopropylbenzene	11.00	105	4578	0.350	ug/l	96
74) N-amyl acetate	10.88	43	2143	0.409	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	2240	0.563	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	91327	23.657	ug/l #	36
77) Bromobenzene	11.24	156	1804	0.484	ug/l	96
78) n-propylbenzene	11.35	91	6270	0.426	ug/l	97
79) 2-Chlorotoluene	11.40	91	4046	0.446	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	4214	0.379	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	91327	60.011	ug/l #	11
82) 4-Chlorotoluene	11.49	91	4601	0.428	ug/l	98
83) tert-Butylbenzene	11.76	119	4103	0.382	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	3852	0.343	ug/l	81
85) sec-Butylbenzene	11.93	105	4522	0.359	ug/l #	76
86) p-Isopropyltoluene	12.05	119	4334	0.364	ug/l #	82
87) 1,3-Dichlorobenzene	12.01	146	2963	0.444	ug/l	87
88) 1,4-Dichlorobenzene	12.01	146	2963	0.440	ug/l	87
89) n-Butylbenzene	12.37	91	4366	0.430	ug/l	98
90) Hexachloroethane	12.59	117	853	0.377	ug/l	84
91) 1,2-Dichlorobenzene	12.38	146	3233	0.516	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.98	75	513	0.489	ug/l	92
93) 1,2,4-Trichlorobenzene	13.63	180	2093	0.481	ug/l	94

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	1167	0.657	ug/l	84
95) Naphthalene	13.82	128	4490	0.351	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	1891	0.450	ug/l	97

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

Abundance

TIC: VX017368.D

Time-->

1200000

1150000

1100000

1050000

1000000

950000

900000

850000

800000

750000

700000

650000

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

0

0.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane, T

Chlorobenzene, T

Trichlorofluoromethane, T

Acetone, T

Carbon Dioxide, T

Methanol, T

Tert butyl alcohol, T

1,1,1-Trichloroethane, T

1,1-Dichloroethane, P

Isopropyl acetate, T

1,1,1-Trichloroethane, T

1,1,2-Trichloroethane, T

Ethyl Acetate, T

Chlorobenzene, T

Cyclohexane, T

Dibromodifluoromethane, S

Pentafluorobenzene, I

Carbon Tetrachloride, T

1,2-Dichloroethane, TM

Isopropyl Acetate, T

1,4-Difluorobenzene, I

Trichloroethene, TM

Methylcyclohexane, T

Dichloroacetylene, T

Bromodichloromethane, T

2-Chloroethyl Vinyl ether, T

cis-1,3-Dichloropropene, I

4-Methyl-2-Pentanone, T

Toluene, CW

1,1,3-Dichloropropene, T

1,2-Dichloroethane, T

1,2,3-Trichlorobenzene, T

1,2-Dibromobenzene, T

1,1,2-Trichloroethane, TM

1,1,2-Trichloroethane, T

Isopropyl acetate, T

Isopropylbenzene, T

1,2-Dichlorobenzene, P

1,2,3-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

1,2,3-Trichlorobenzene, T

1,4-Dichlorobenzene, T

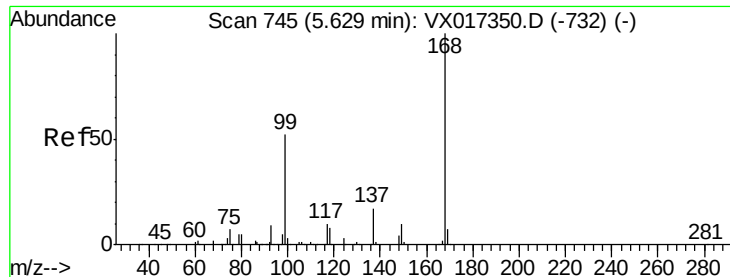
Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

Toluene-d8, S

Chlorobenzene-d5, I

1,4-Dichlorobenzene-d4, I



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017368.D

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Instrument :

MSVOA_X

ClientSampleId :

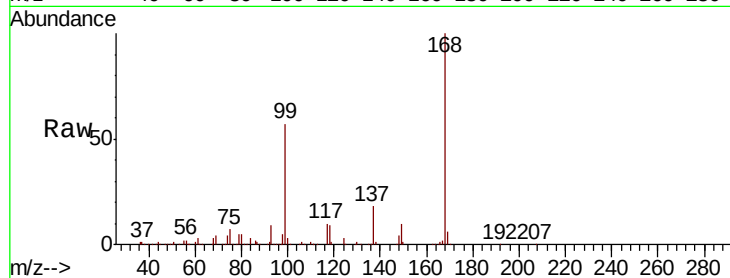
MDL-WATER-03-QT3-2020

Tot Ion:168 Resp: 289734

Ion Ratio Lower Upper

168 100

99 56.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

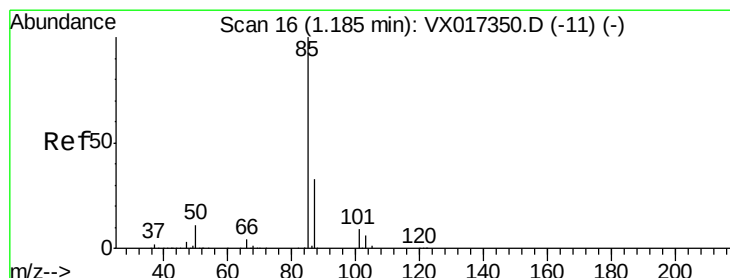
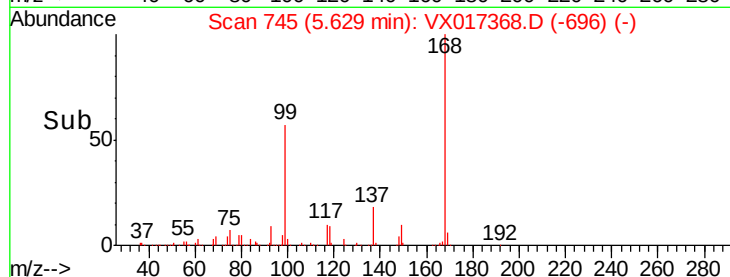
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.467 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017368.D

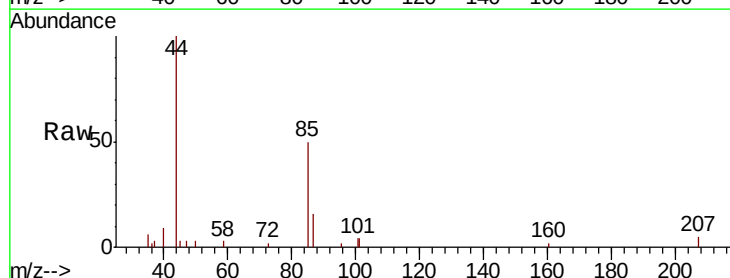
Acq: 14 Jul 2020 11:03

Tgt Ion: 85 Resp: 1144

Ion Ratio Lower Upper

85 100

87 32.5 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

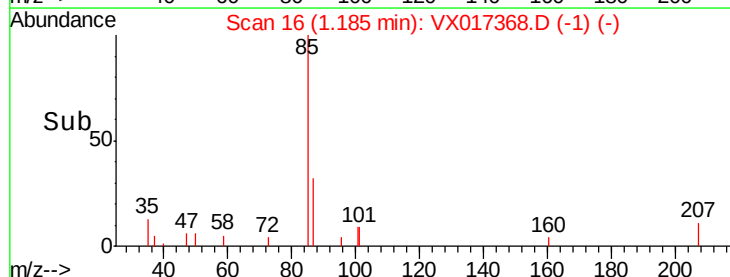
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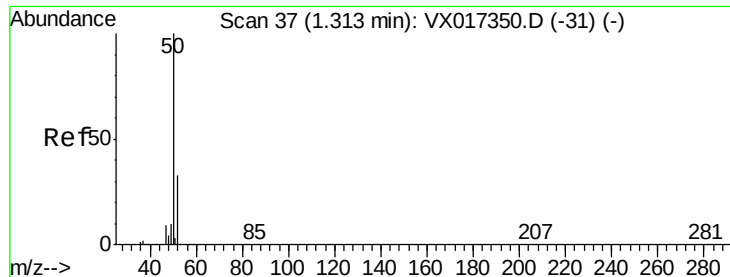
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.559 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

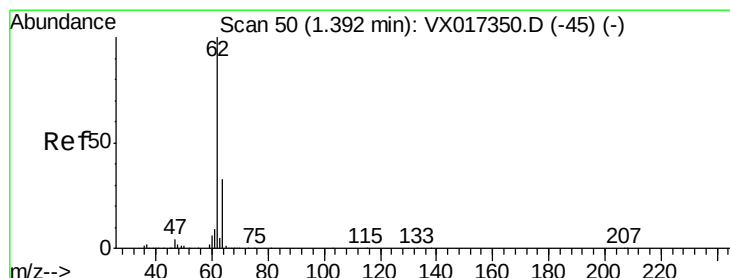
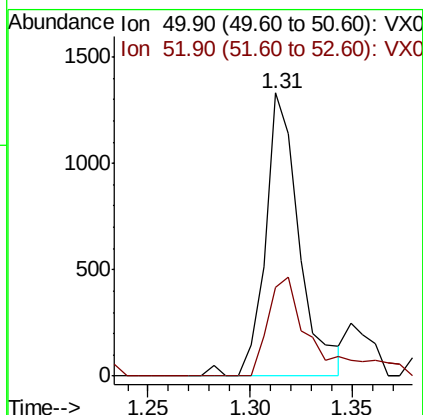
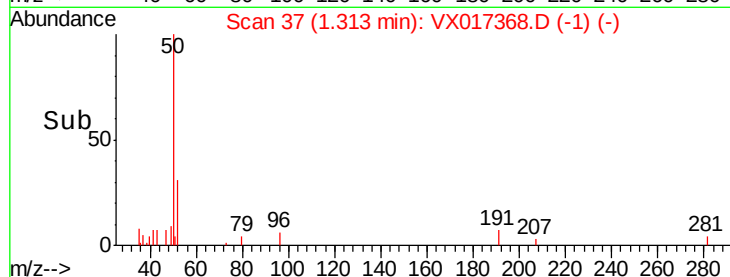
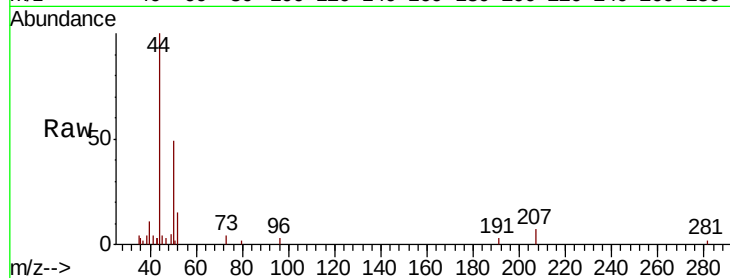
MDL-WATER-03-QT3-2020

Tot Ion: 50 Resp: 1543

Ion Ratio Lower Upper

50 100

52 31.2 26.7 40.1



#4

Vinyl Chloride

Concen: 0.451 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX017368.D

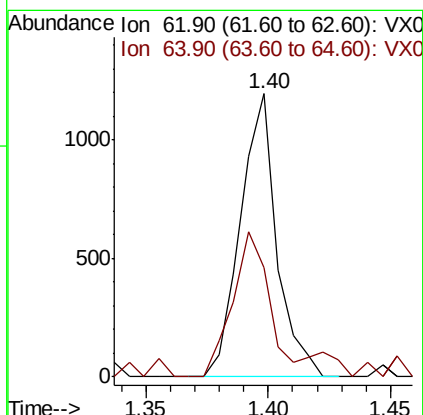
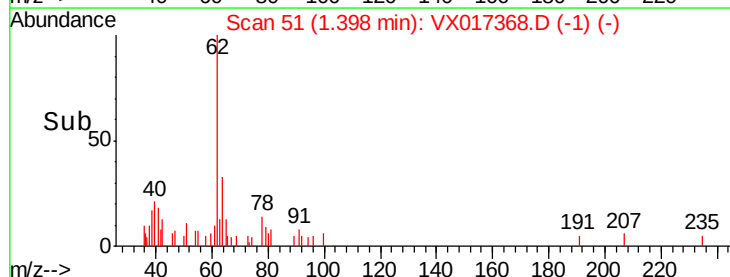
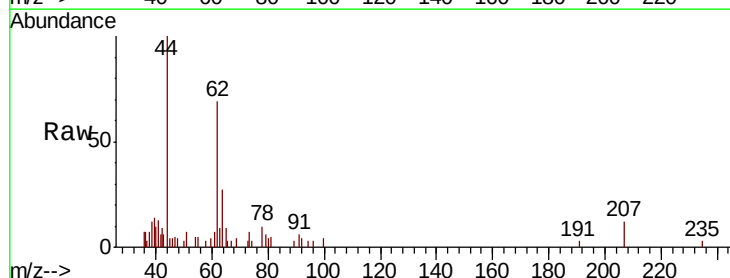
Acq: 14 Jul 2020 11:03

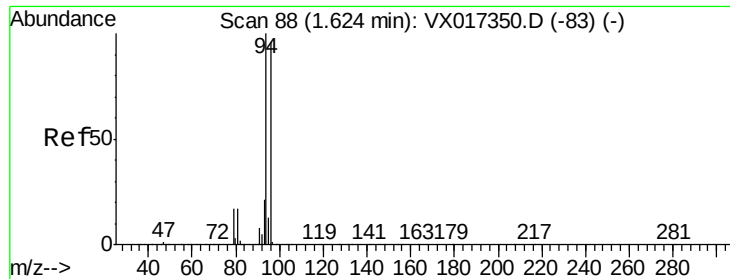
Tgt Ion: 62 Resp: 1231

Ion Ratio Lower Upper

62 100

64 38.7 26.3 39.5





#5

Bromomethane

Concen: 0.924 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

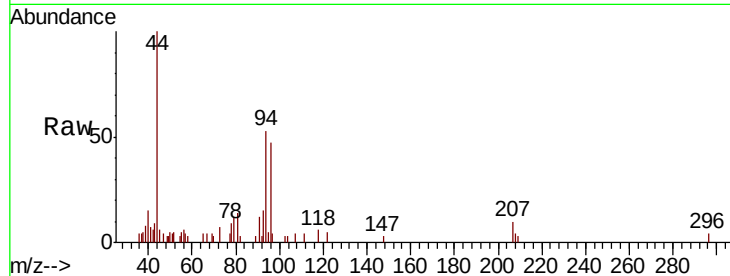
MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 1643

Ion Ratio Lower Upper

94 100

96 74.2 76.6 115.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

600

400

200

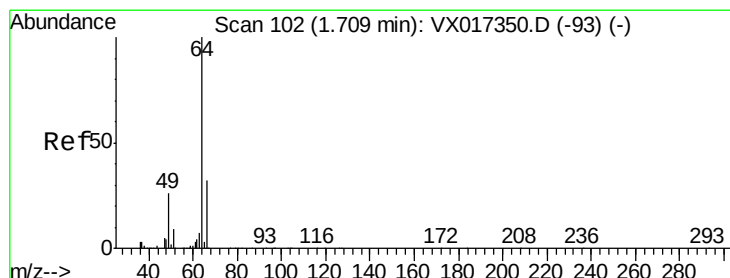
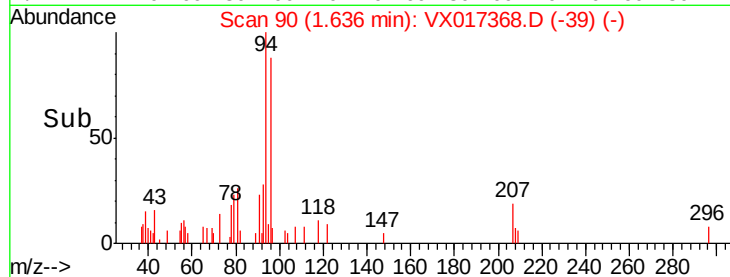
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 0.616 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017368.D

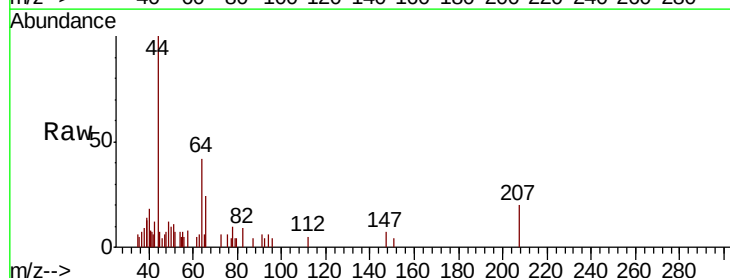
Acq: 14 Jul 2020 11:03

Tgt Ion: 64 Resp: 1061

Ion Ratio Lower Upper

64 100

66 44.2 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

600

400

200

0

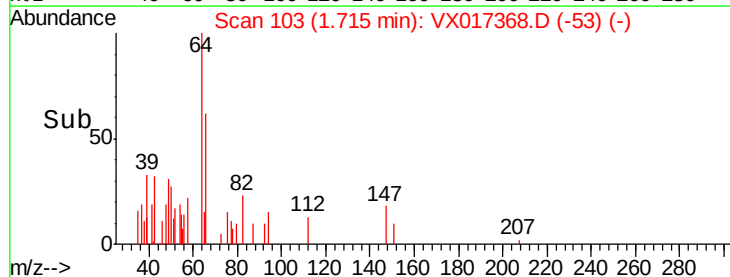
1.65

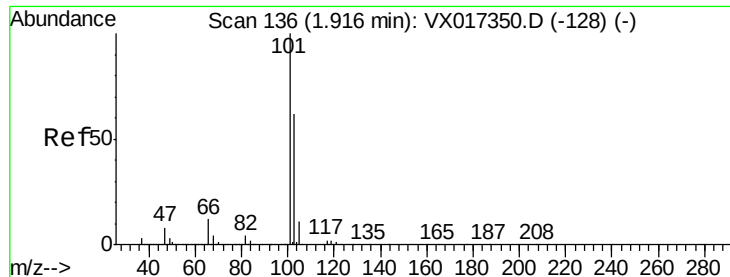
1.70

1.75

1.80

Time-->





#7

Trichlorofluoromethane

Concen: 0.513 ug/l

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

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ClientSampleId :

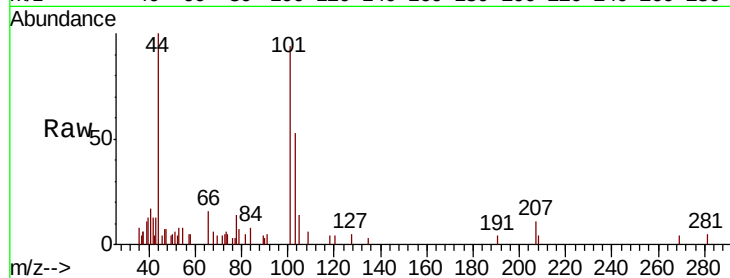
MDL-WATER-03-QT3-2020

Tot Ion:101 Resp: 2365

Ion Ratio Lower Upper

101 100

103 56.1 49.6 74.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

1500

1000

500

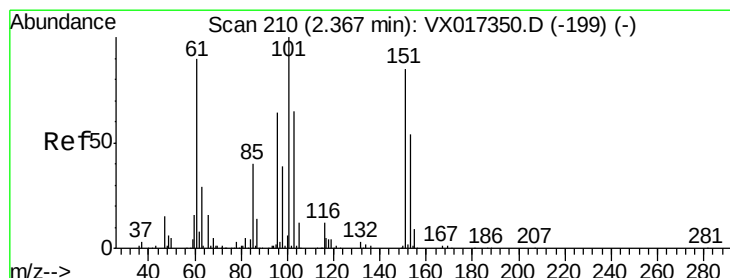
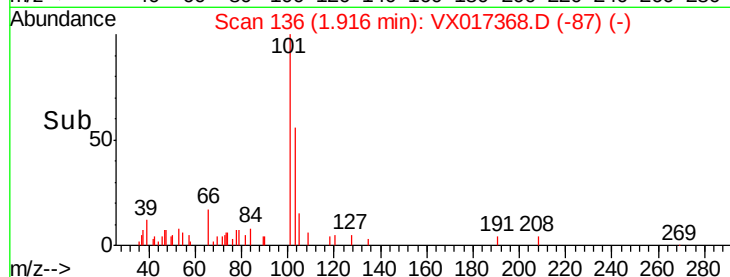
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Time-->

1.85

1.90

1.95



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.533 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

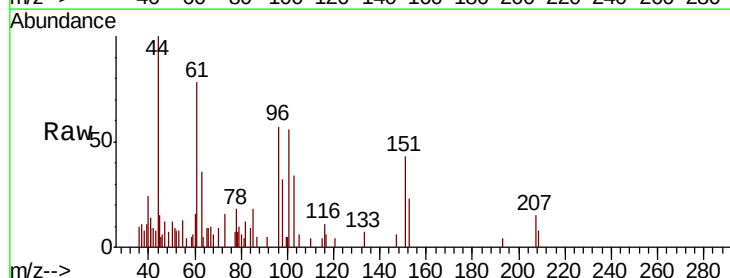
Tgt Ion:101 Resp: 1399

Ion Ratio Lower Upper

101 100

85 45.9 33.7 50.5

151 78.5 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

1000

800

600

400

200

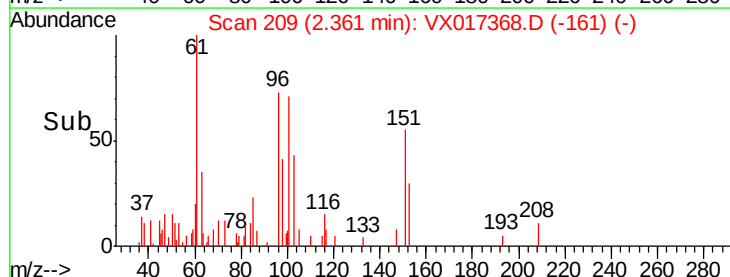
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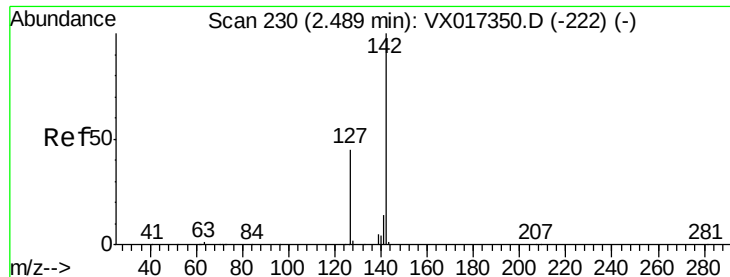
Time-->

2.30

2.35

2.40

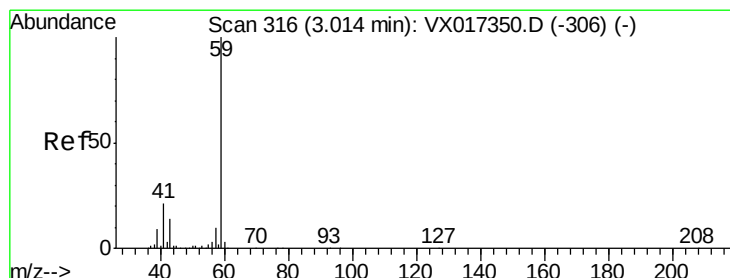
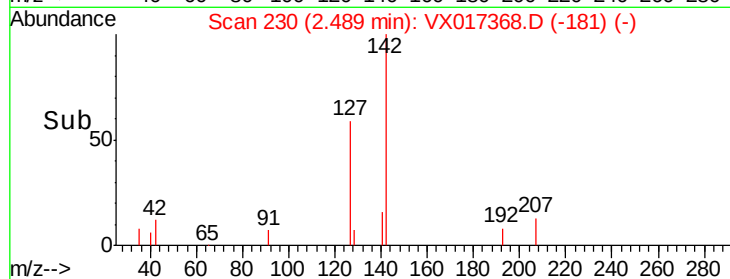
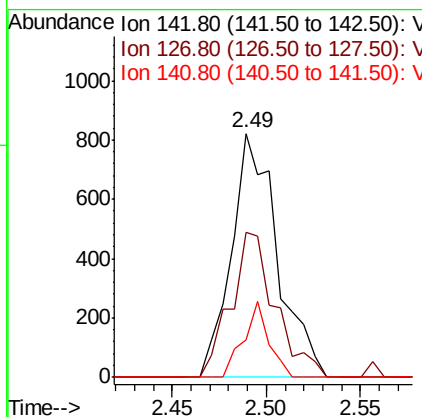
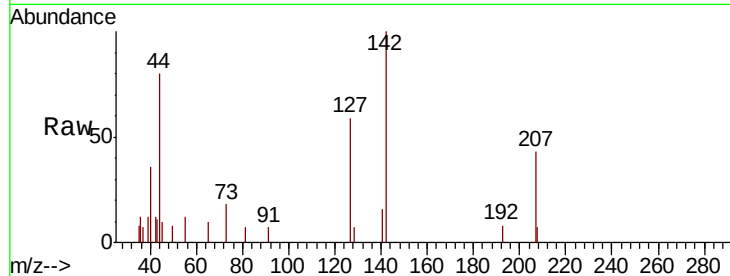




#10
Methvl Iodide
Concen: 0.434 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

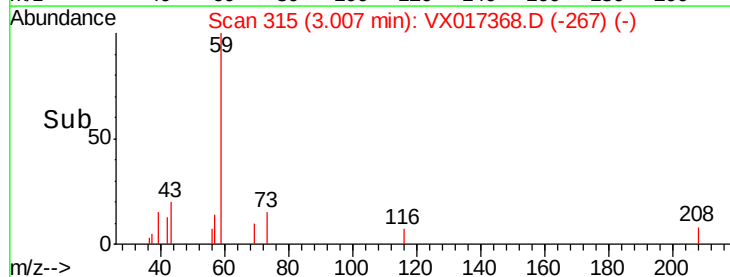
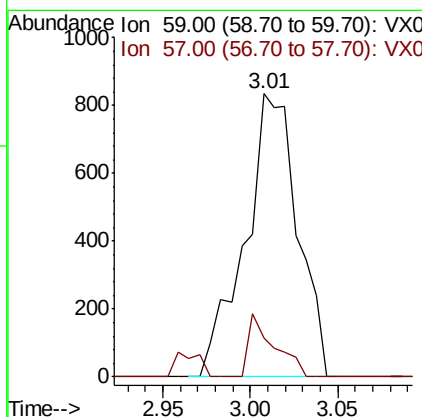
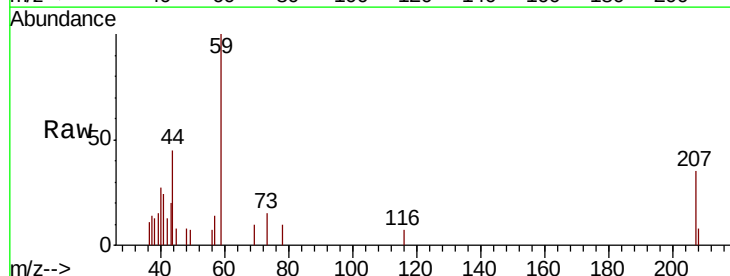
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

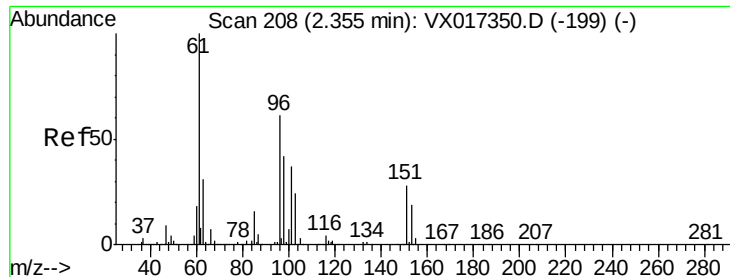
Tot Ion:142 Resp: 1381
Ion Ratio Lower Upper
142 100
127 57.8 36.8 55.2#
141 17.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.855 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 59 Resp: 1749
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5





#12

1,1-Dichloroethene

Concen: 0.511 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

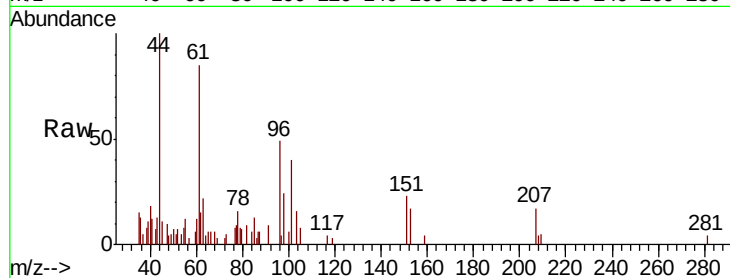
Tot Ion: 96 Resp: 1348

Ion Ratio Lower Upper

96 100

61 192.4 131.5 197.3

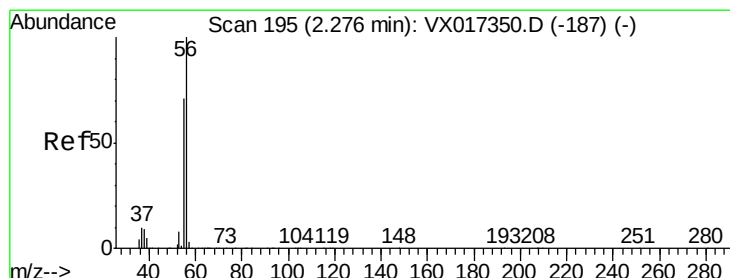
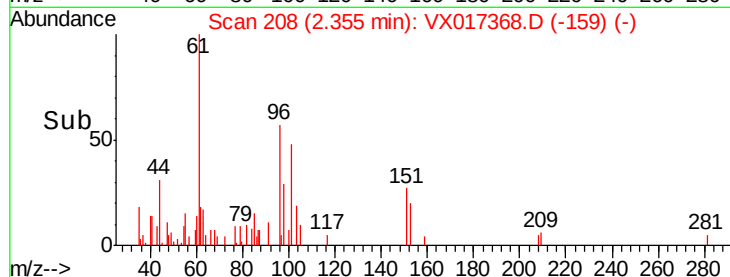
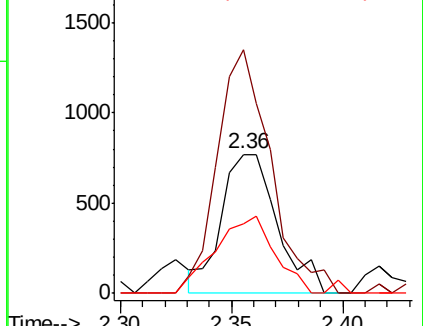
98 44.2 55.1 82.7#



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



#13

Acrolein

Concen: 3.058 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017368.D

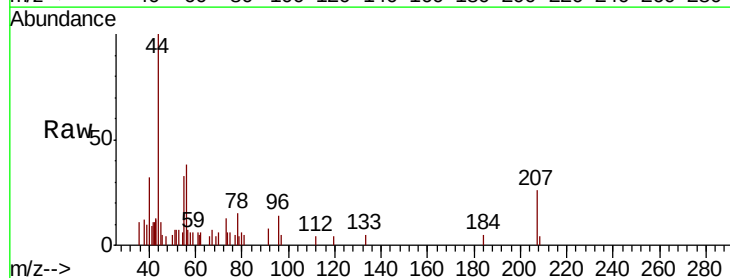
Acq: 14 Jul 2020 11:03

Tgt Ion: 56 Resp: 1027

Ion Ratio Lower Upper

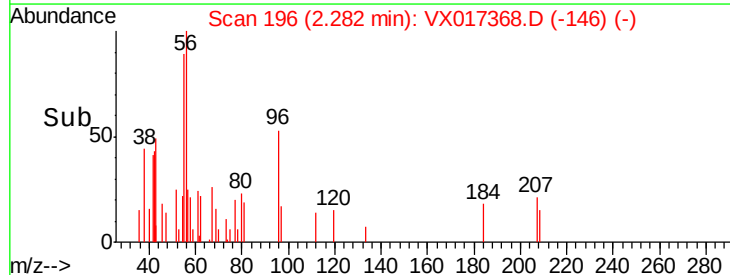
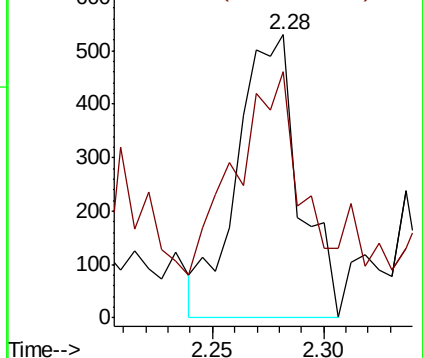
56 100

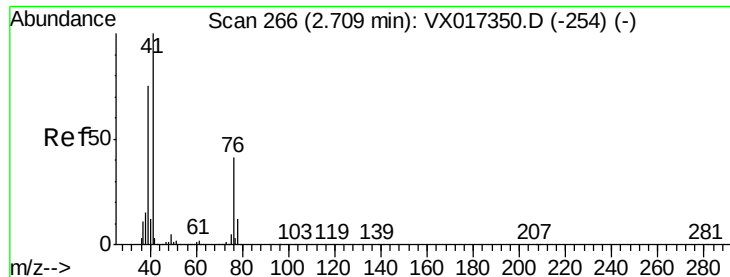
55 103.5 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

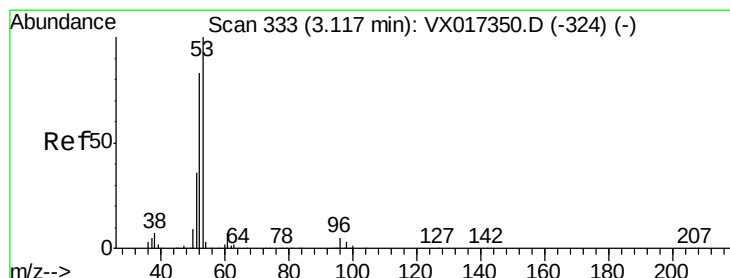
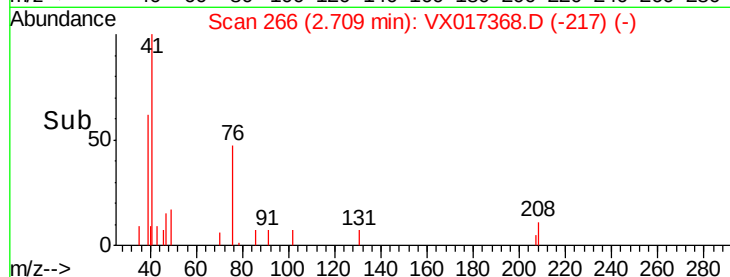
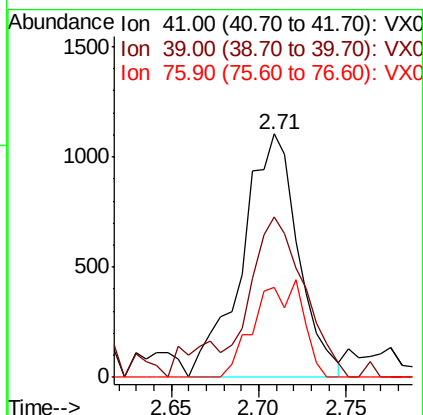
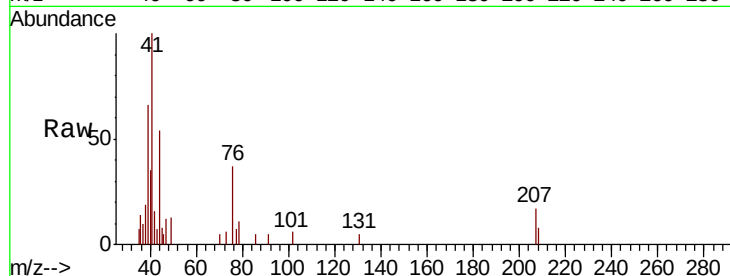




#14
Allvl chloride
Concen: 0.540 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

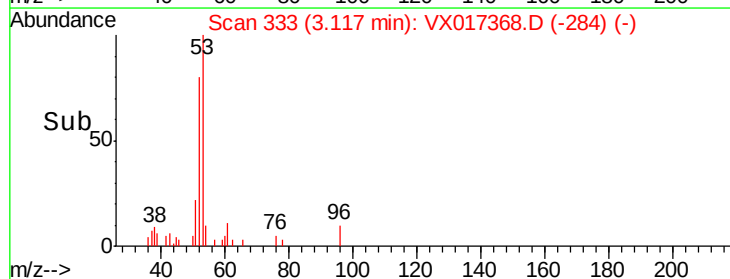
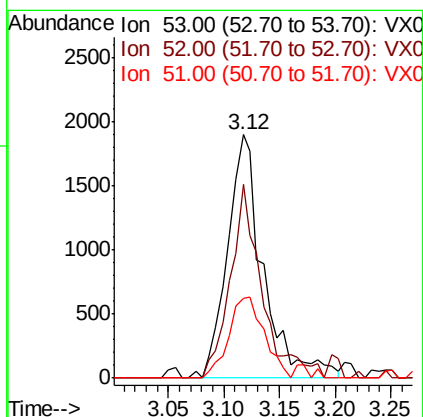
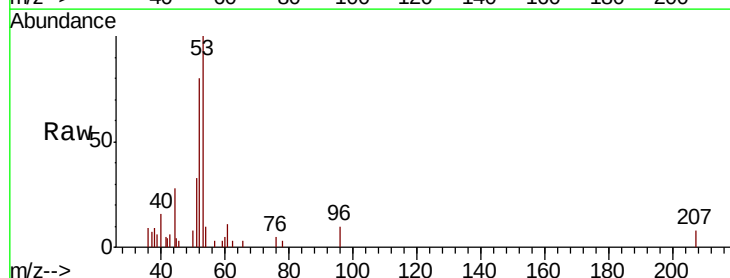
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

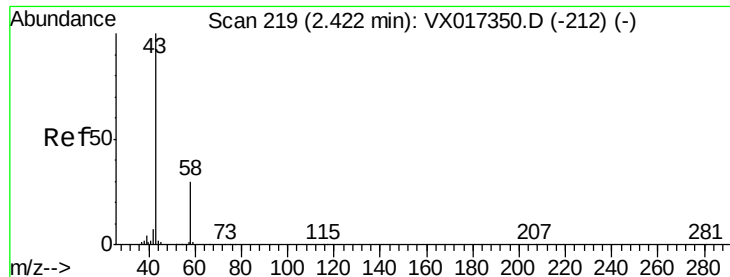
Tot Ion:	41	Resp:	2465
Ion	Ratio	Lower	Upper
41	100		
39	62.4	53.0	79.4
76	34.2	28.2	42.2



#15
Acrylonitrile
Concen: 2.839 ug/l
RT: 3.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion:	53	Resp:	4216
Ion	Ratio	Lower	Upper
53	100		
52	70.3	65.8	98.6
51	32.9	29.2	43.8





#16

Acetone

Concen: 3.130 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

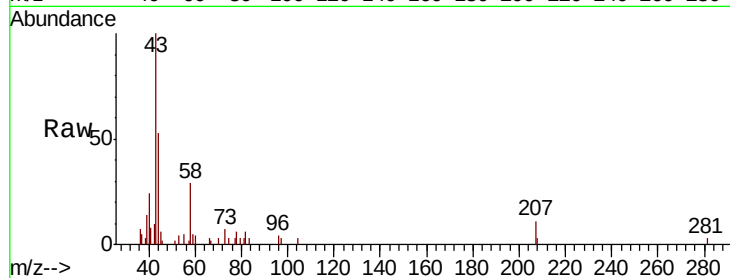
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 4060

Ion Ratio Lower Upper

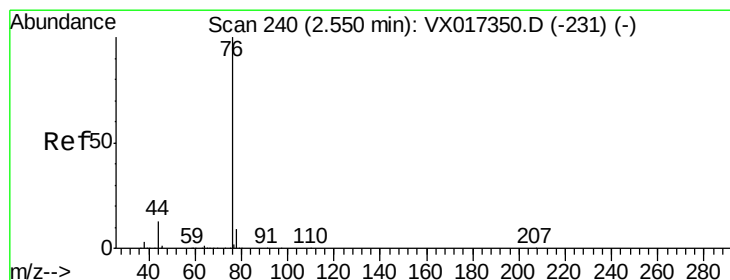
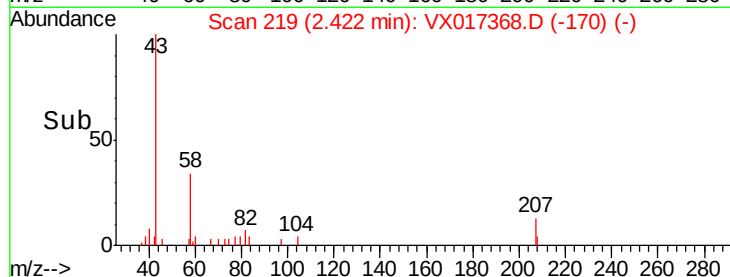
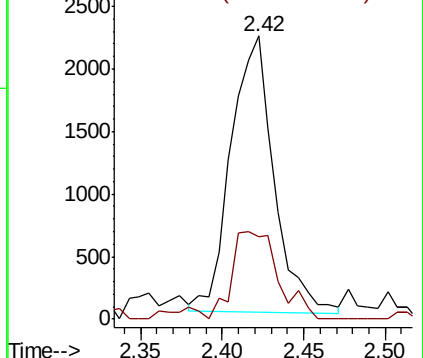
43 100

58 30.6 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: 0.591 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017368.D

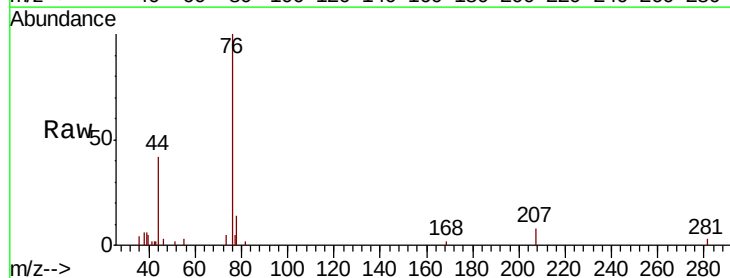
Acq: 14 Jul 2020 11:03

Tgt Ion: 76 Resp: 4548

Ion Ratio Lower Upper

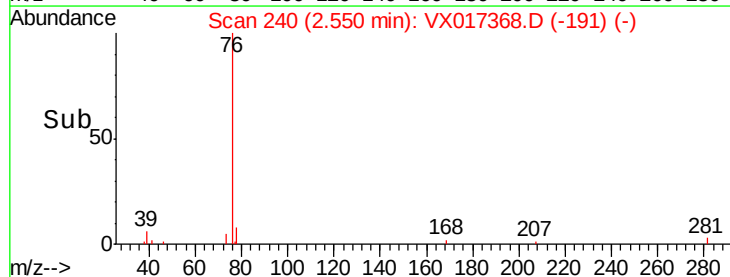
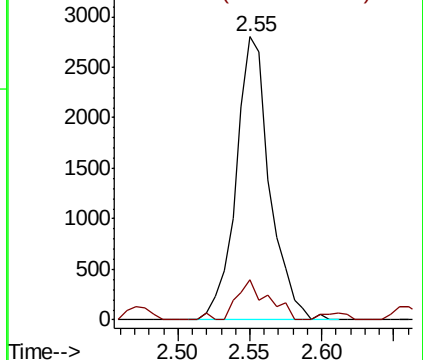
76 100

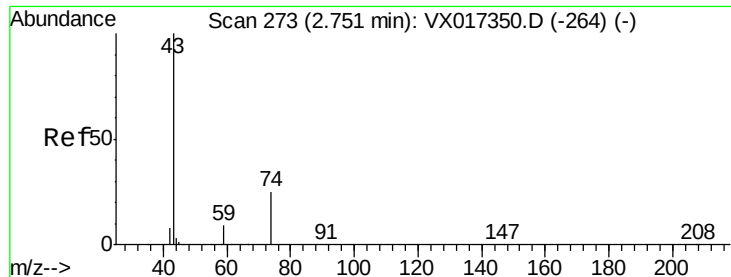
78 14.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 0.597 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

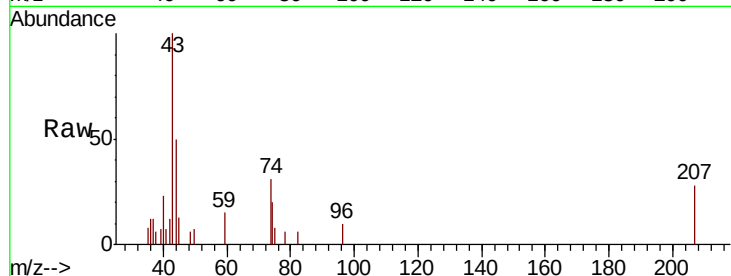
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 1914

Ion Ratio Lower Upper

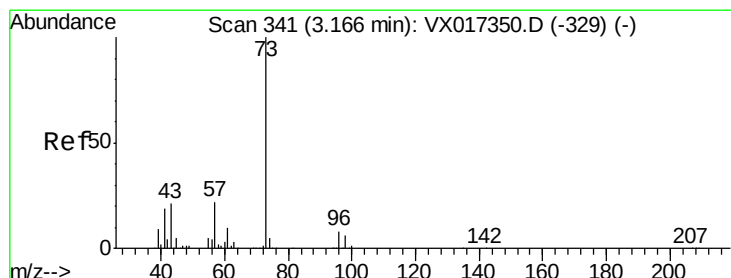
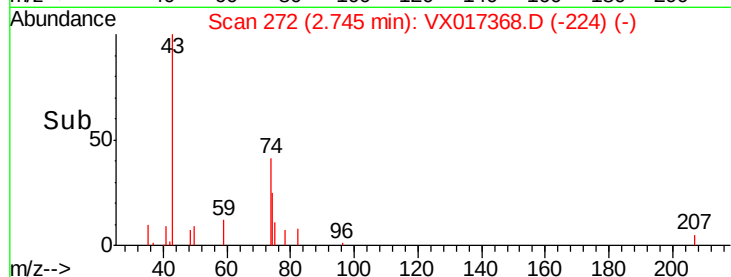
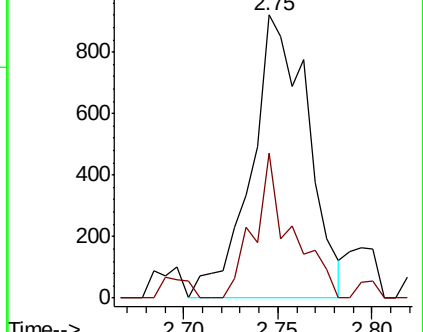
43 100

74 33.8 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#19

Methyl tert-butyl Ether

Concen: 0.455 ug/l

RT: 3.18 min Scan# 343

Delta R.T. 0.01 min

Lab File: VX017368.D

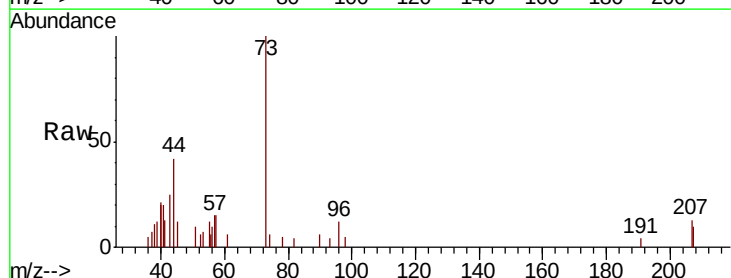
Acq: 14 Jul 2020 11:03

Tgt Ion: 73 Resp: 4071

Ion Ratio Lower Upper

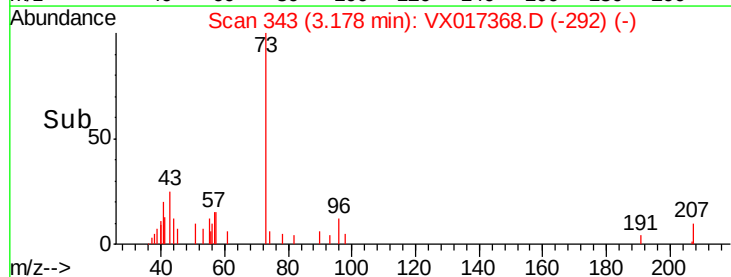
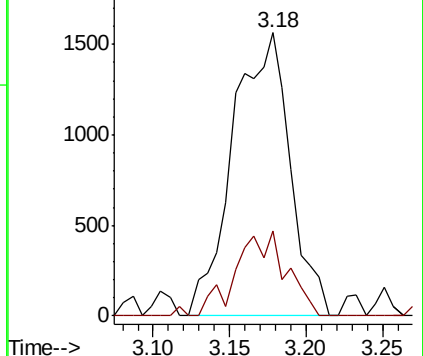
73 100

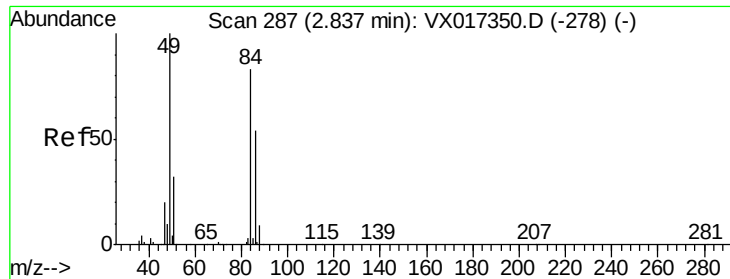
57 29.8 17.5 26.3#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

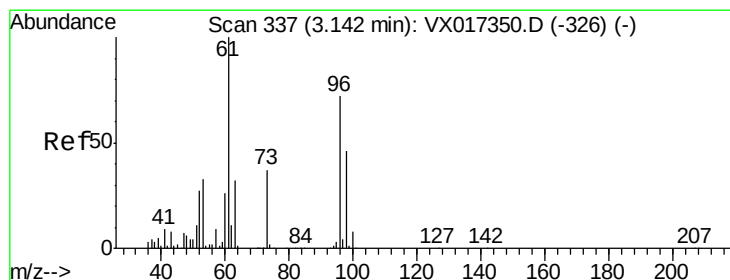
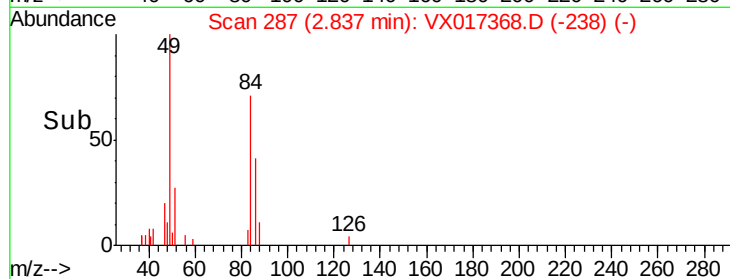
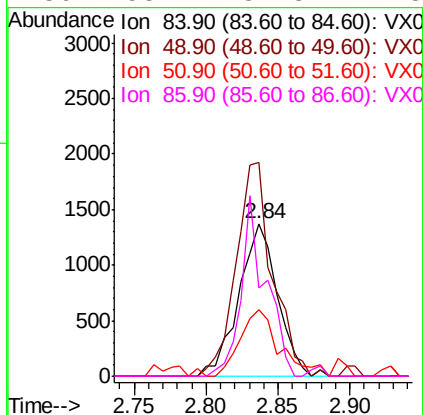
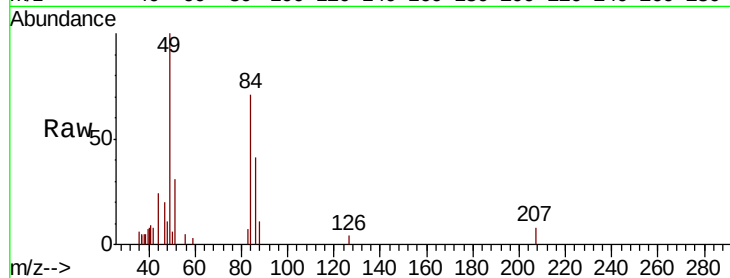




#20
Methylene Chloride
Concen: 0.806 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

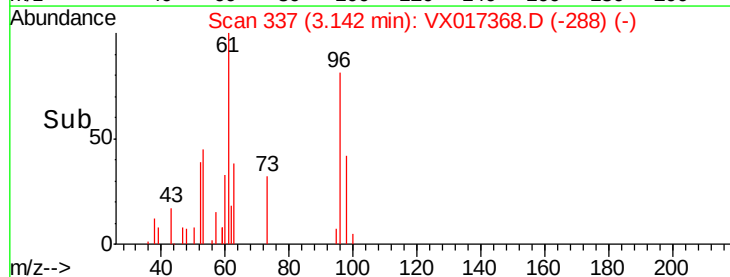
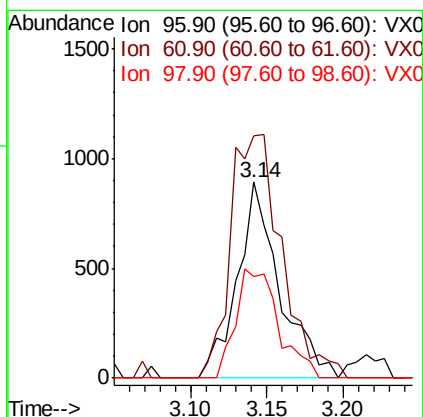
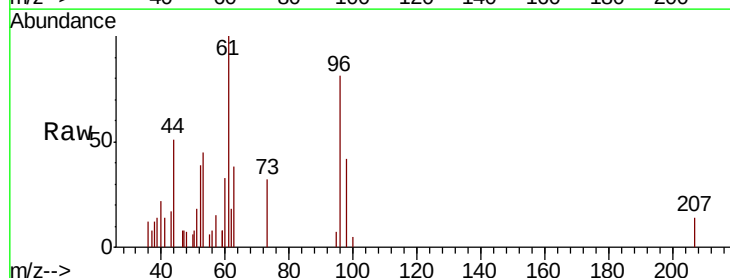
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

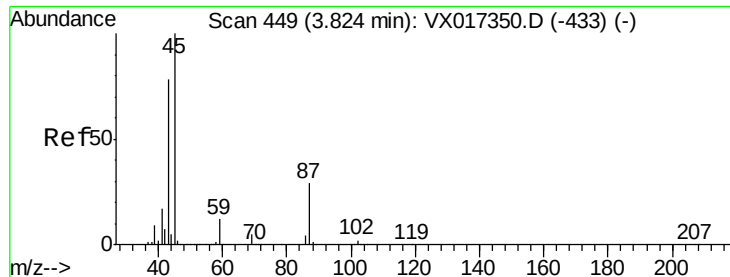
Tot Ion:	84	Resp:	2551
Ion	Ratio	Lower	Upper
84	100		
49	140.2	95.8	143.8
51	44.1	31.0	46.4
86	58.1	51.8	77.8



#21
trans-1,2-Dichloroethene
Concen: 0.569 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion:	96	Resp:	1717
Ion	Ratio	Lower	Upper
96	100		
61	123.5	111.1	166.7
98	51.5	51.4	77.0





#22

Diisopropyl ether

Concen: 0.454 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

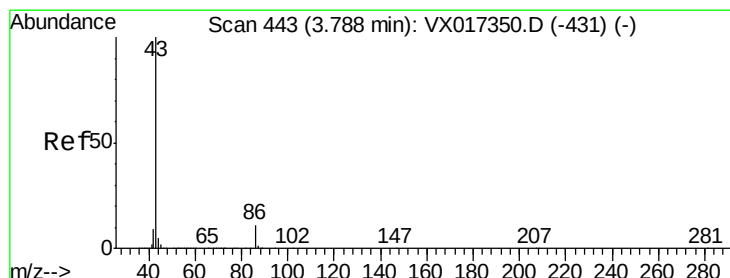
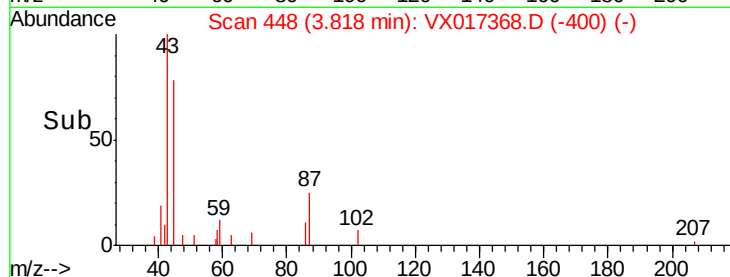
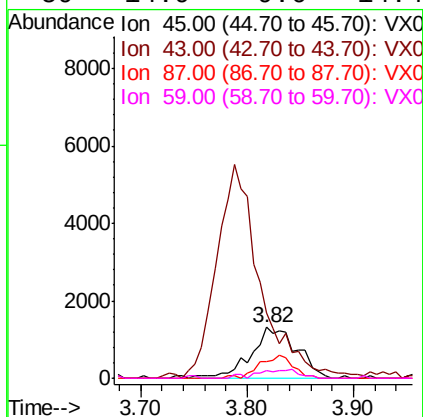
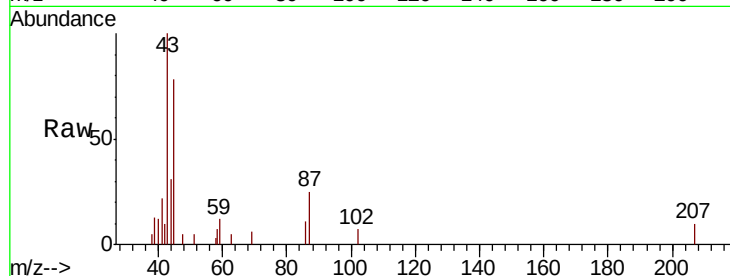
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	45	Resp:	3953
Ion	Ratio	Lower	Upper
45	100		
43	118.6	62.2	93.2#
87	32.2	23.0	34.6
59	14.9	9.6	14.4#



#23

Vinyl Acetate

Concen: 2.064 ug/l

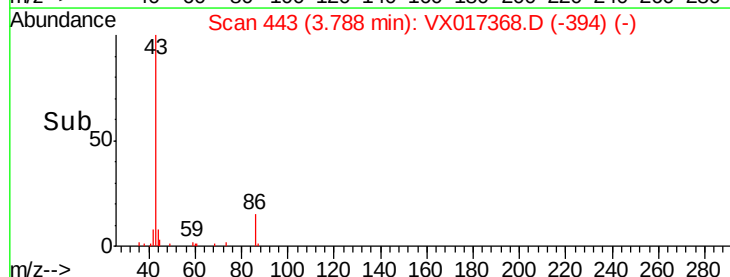
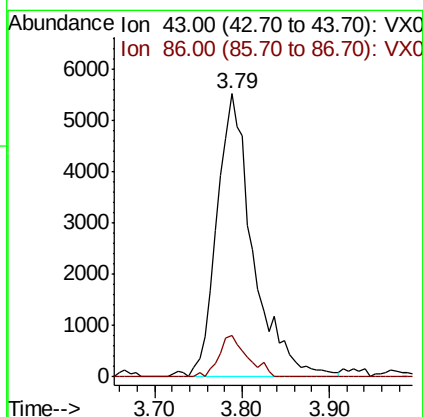
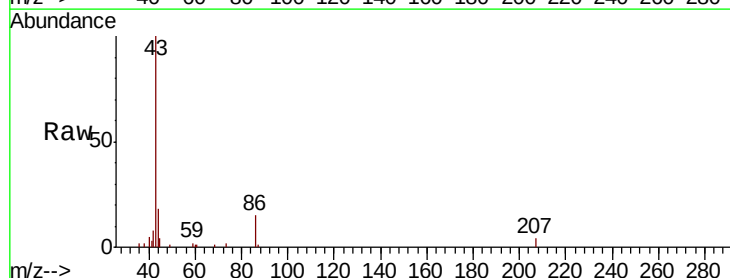
RT: 3.79 min Scan# 443

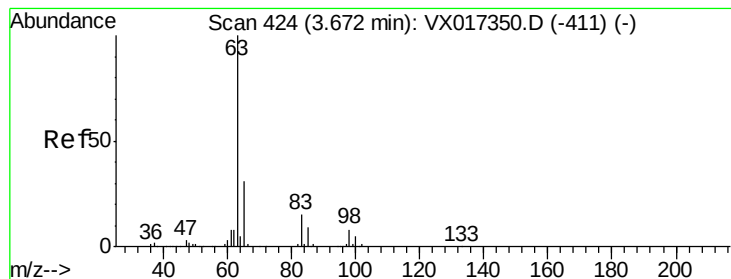
Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion:	43	Resp:	15795
Ion	Ratio	Lower	Upper
43	100		
86	14.8	9.0	13.4#





#24

1,1-Dichloroethane

Concen: 0.504 ug/l

RT: 3.68 min Scan# 426

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

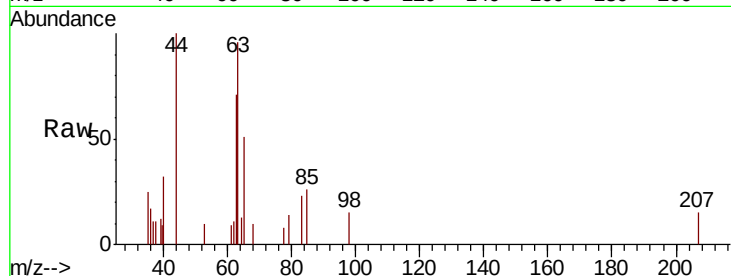
Tot Ion: 63 Resp: 2577

Ion Ratio Lower Upper

63 100

98 8.9 3.9 11.5

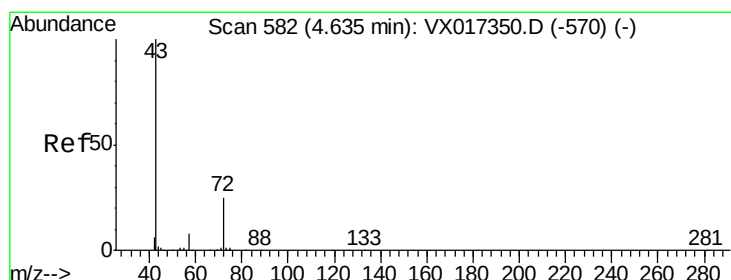
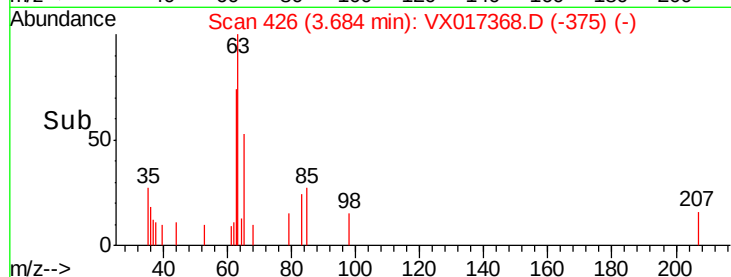
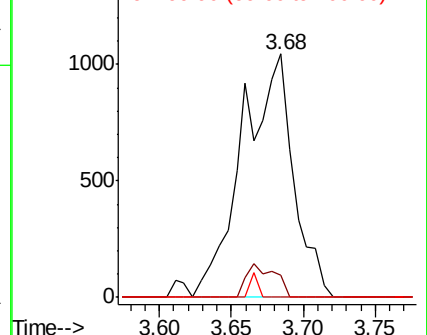
100 0.0 2.5 7.5#



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



#25

2-Butanone

Concen: 2.521 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017368.D

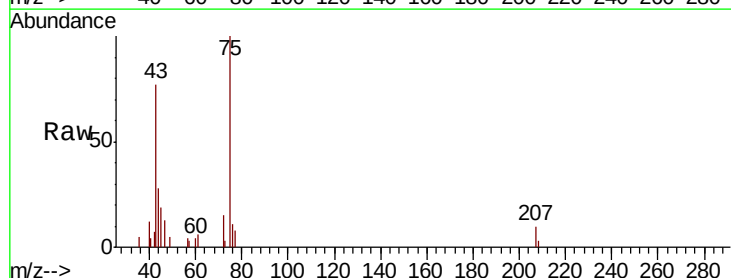
Acq: 14 Jul 2020 11:03

Tgt Ion: 43 Resp: 5195

Ion Ratio Lower Upper

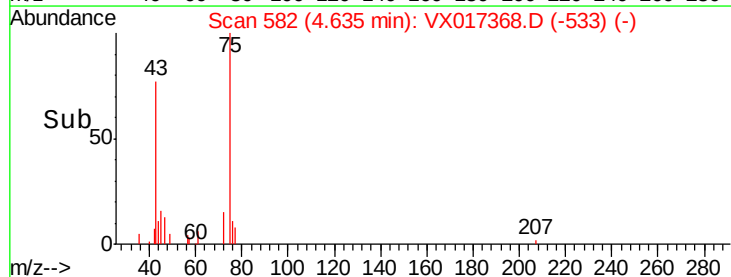
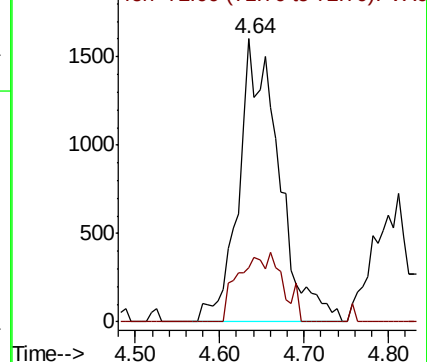
43 100

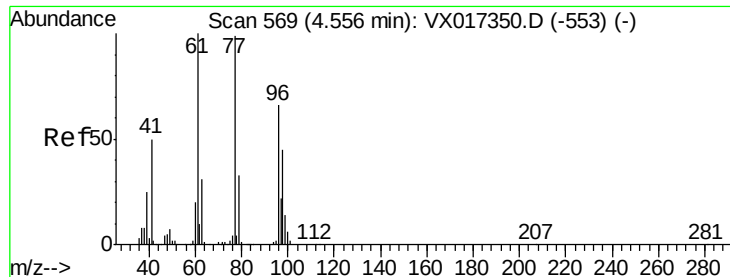
72 19.4 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

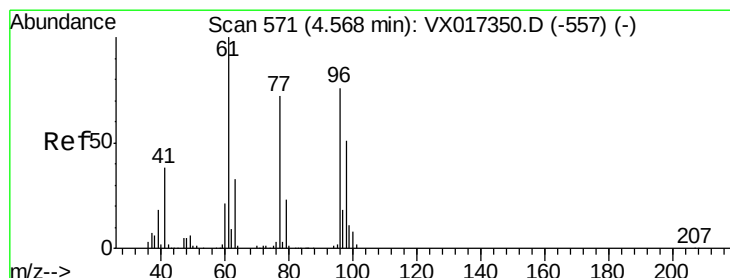
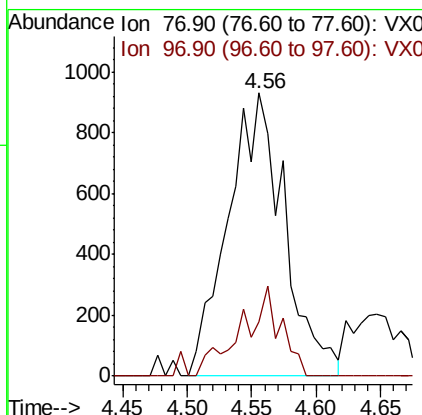
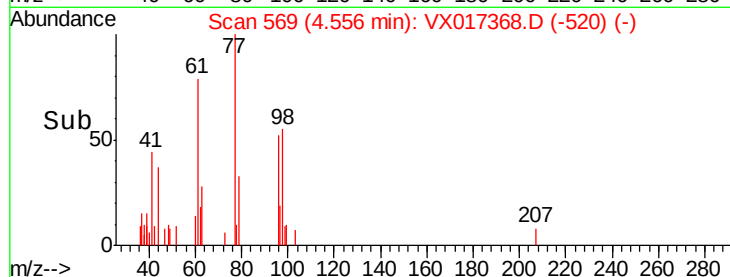
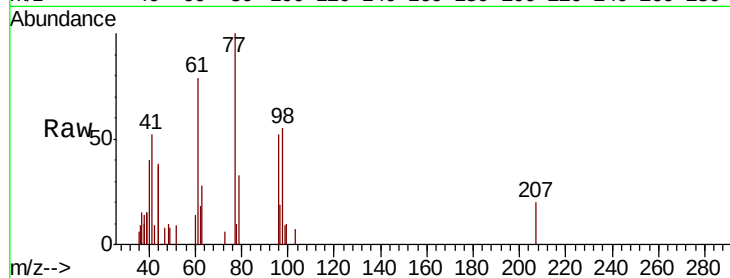




#26
 2,2-Dichloropropane
 Concen: 0.594 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

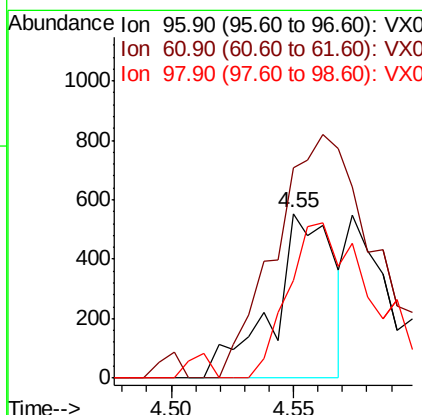
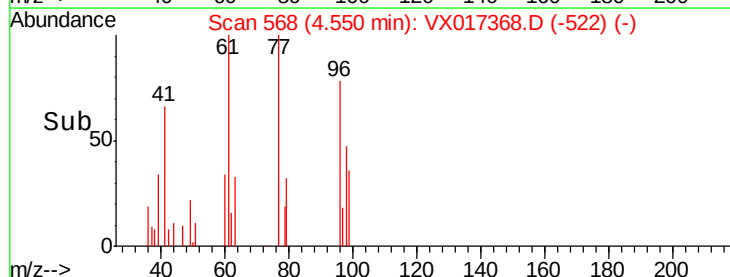
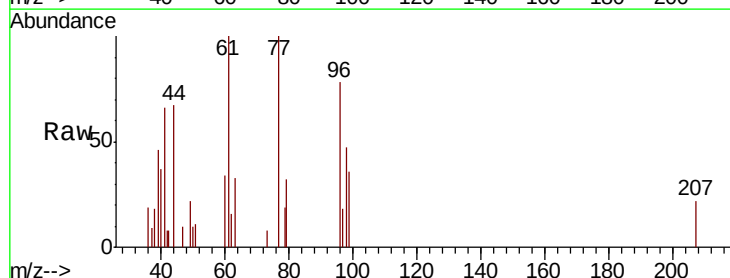
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

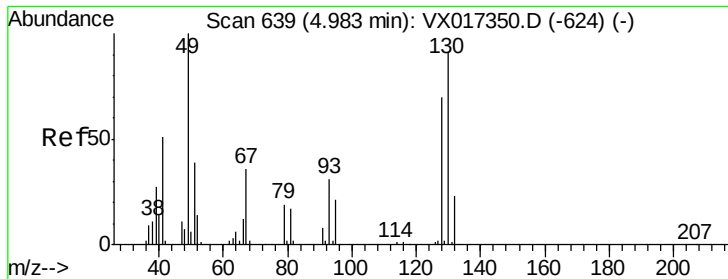
Tot Ion: 77 Resp: 2826
 Ion Ratio Lower Upper
 77 100
 97 22.2 11.1 33.3



#27
 cis-1,2-Dichloroethene
 Concen: 0.287 ug/l
 RT: 4.55 min Scan# 568
 Delta R.T. -0.02 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion: 96 Resp: 951
 Ion Ratio Lower Upper
 96 100
 61 251.7 0.0 281.2
 98 129.5 0.0 131.4





#28

Bromochloromethane

Concen: 0.697 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

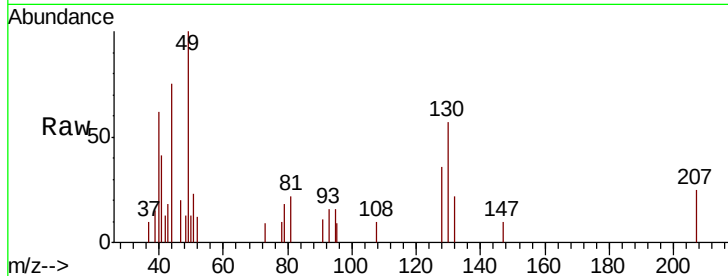
Tot Ion: 49 Resp: 1647

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

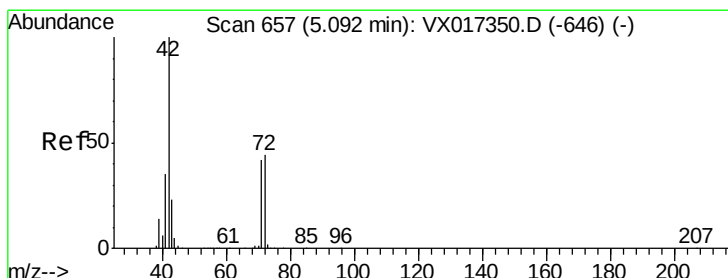
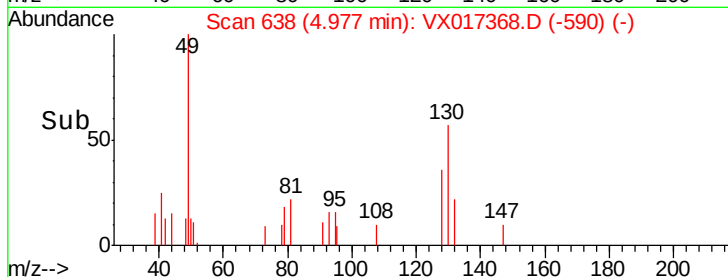
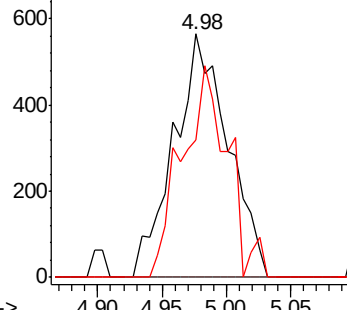
130 71.6 71.1 106.7



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: 1.492 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

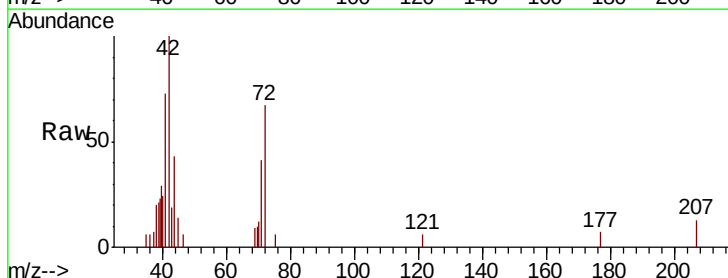
Tgt Ion: 42 Resp: 1990

Ion Ratio Lower Upper

42 100

72 76.1 37.2 55.8#

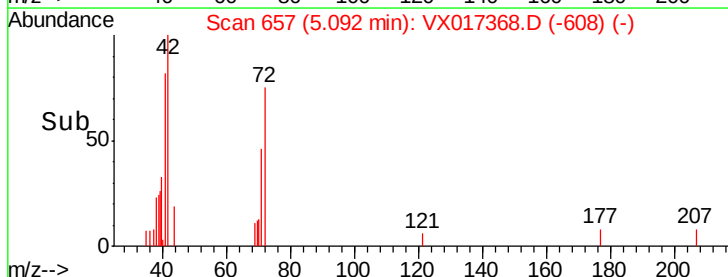
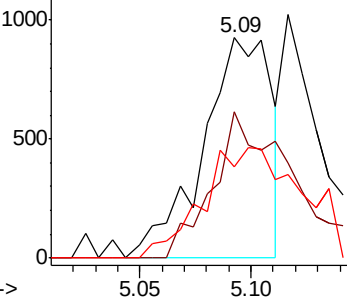
71 72.9 34.4 51.6#

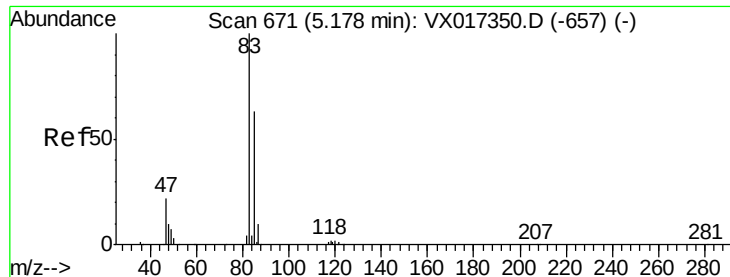


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

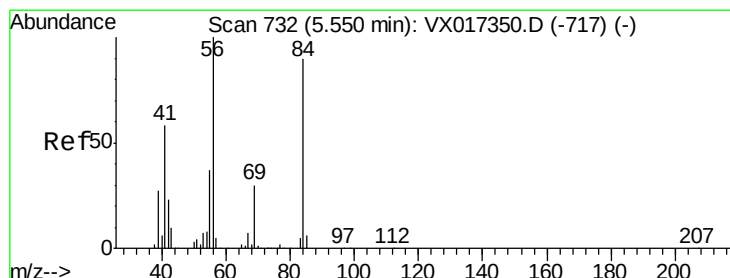
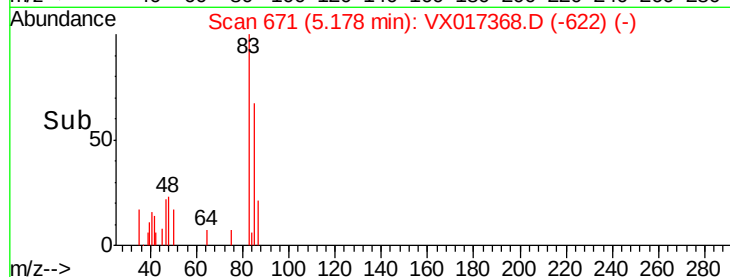
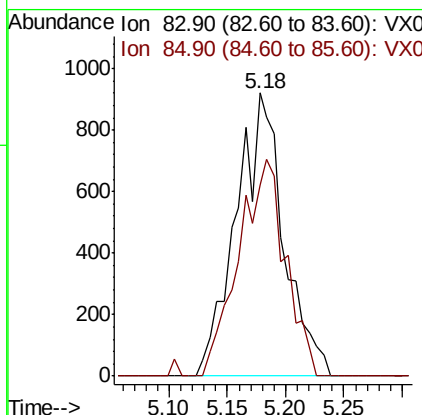
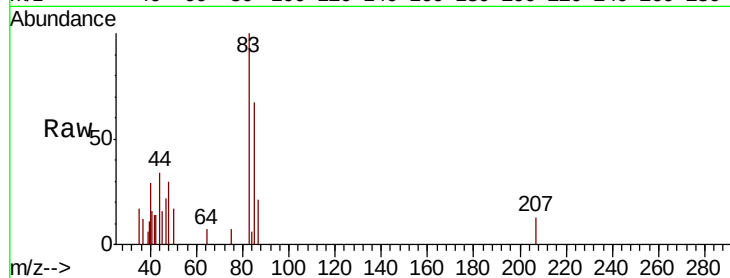




#30
Chloroform
Concen: 0.476 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

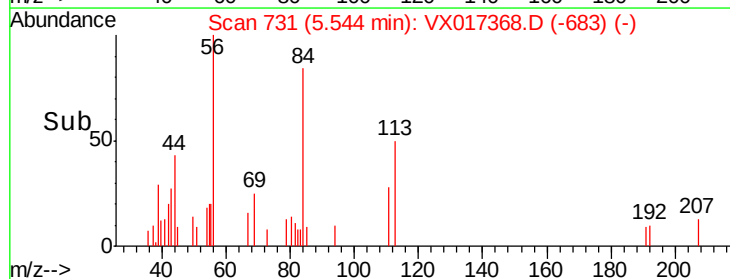
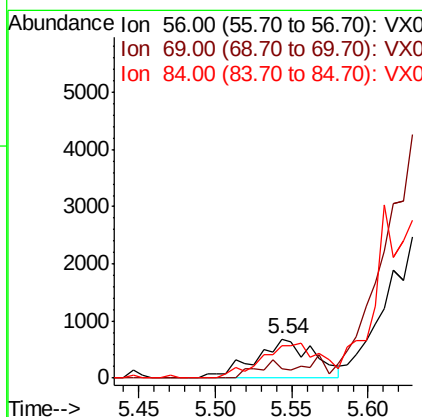
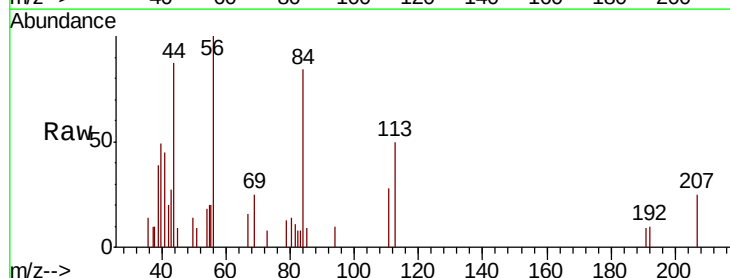
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

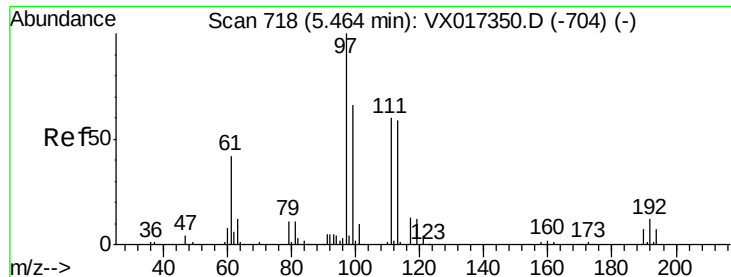
Tot Ion: 83 Resp: 2622
Ion Ratio Lower Upper
83 100
85 67.3 50.2 75.4



#31
Cyclohexane
Concen: 0.438 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 56 Resp: 1834
Ion Ratio Lower Upper
56 100
69 24.6 23.7 35.5
84 83.5 71.8 107.6





#32

1,1,1-Trichloroethane

Concen: 0.511 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

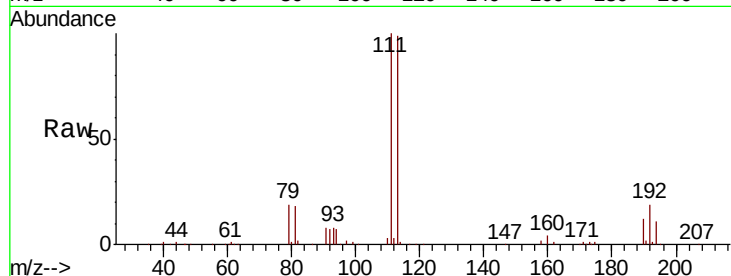
Tot Ion: 97 Resp: 2597

Ion Ratio Lower Upper

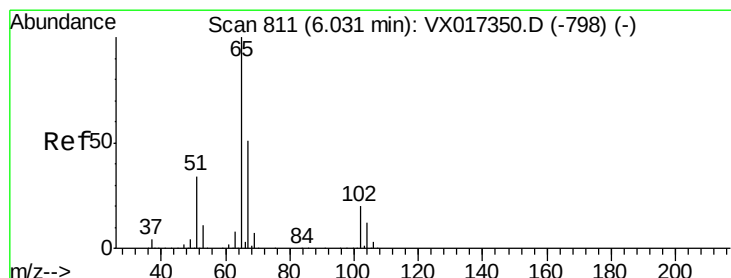
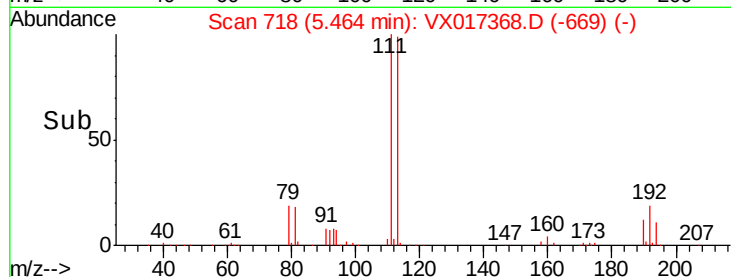
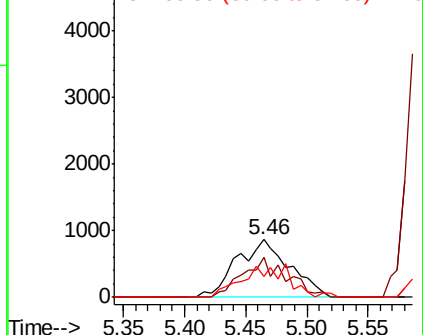
97 100

99 0.0 51.2 76.8#

61 25.0 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: 50.753 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017368.D

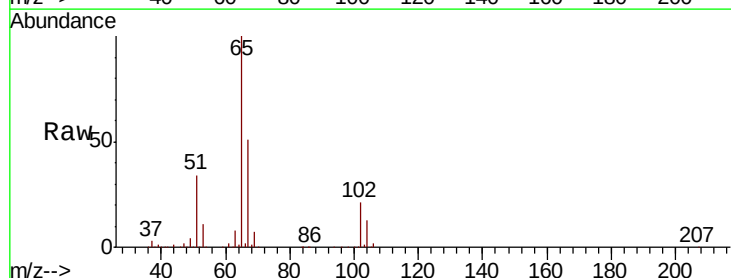
Acq: 14 Jul 2020 11:03

Tgt Ion: 65 Resp: 184559

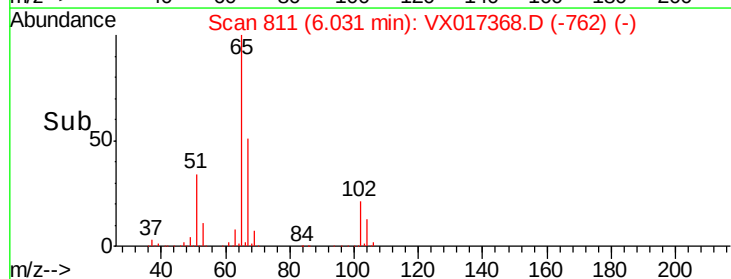
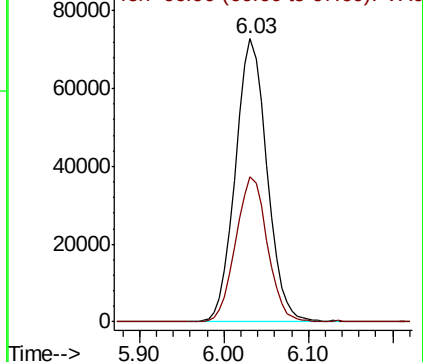
Ion Ratio Lower Upper

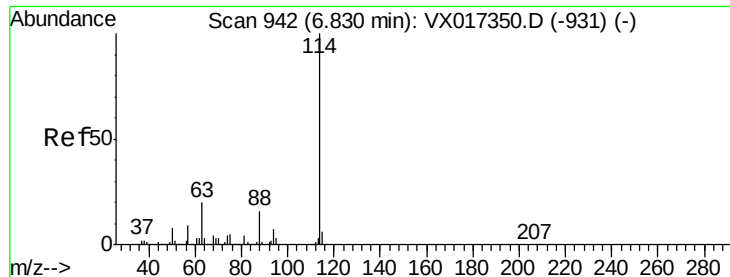
65 100

67 51.5 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

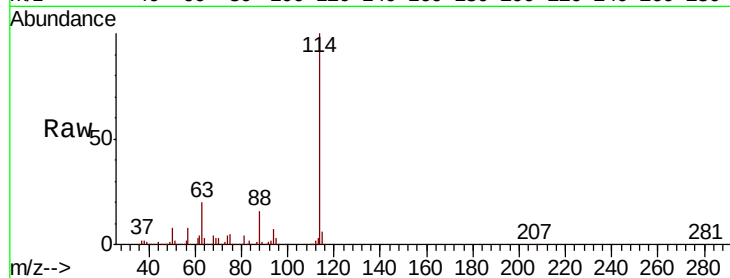
Tot Ion:114 Resp: 453403

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

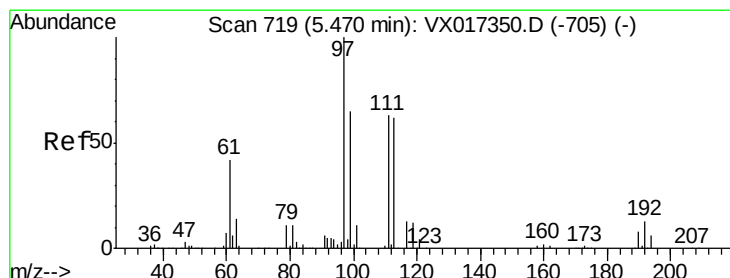
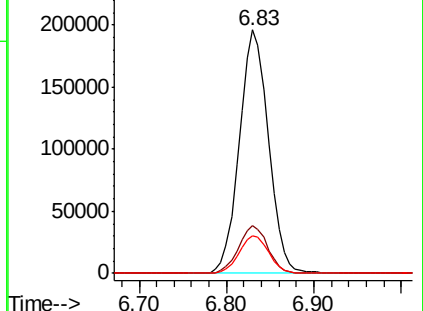
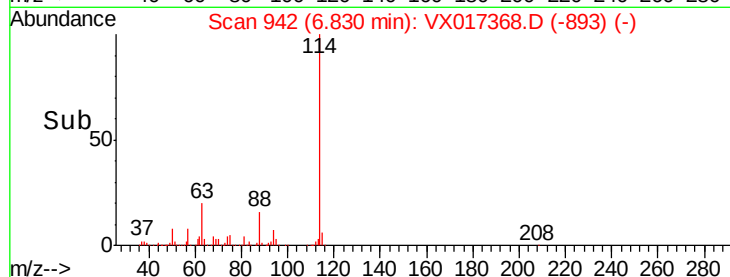
88 15.6 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.718 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

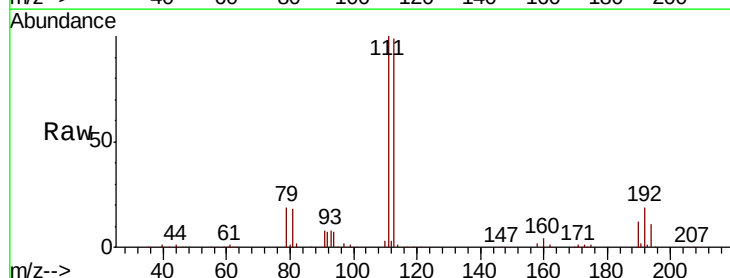
Tgt Ion:113 Resp: 148796

Ion Ratio Lower Upper

113 100

111 101.4 82.4 123.6

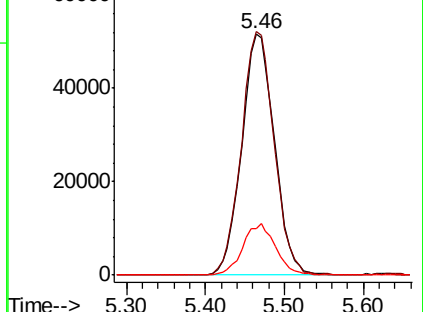
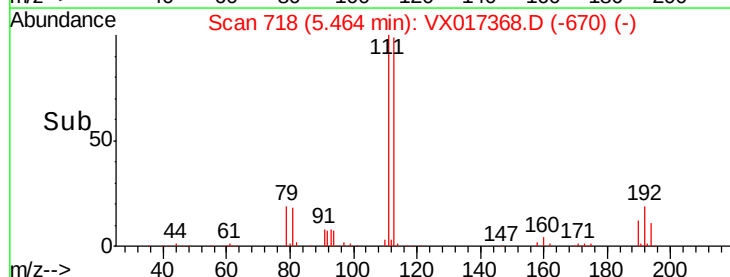
192 21.3 17.2 25.8

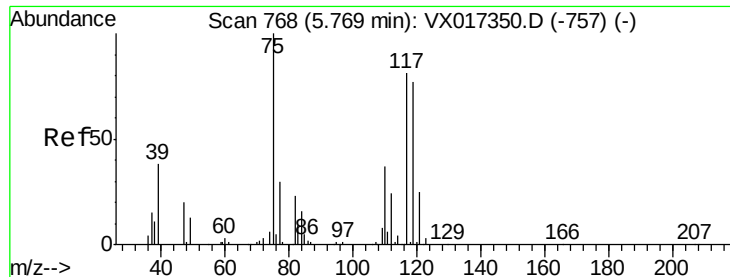


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

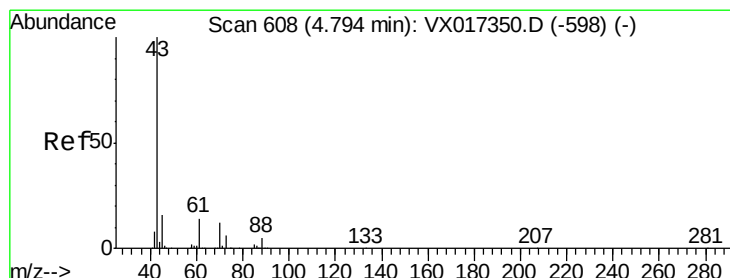
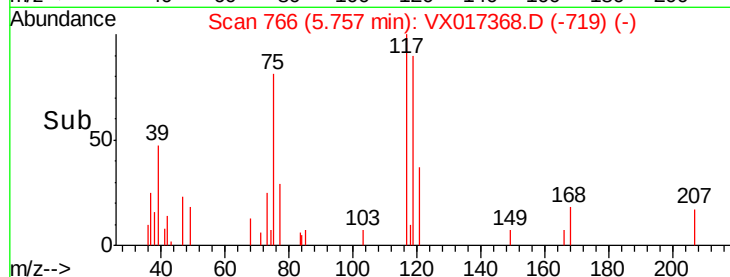
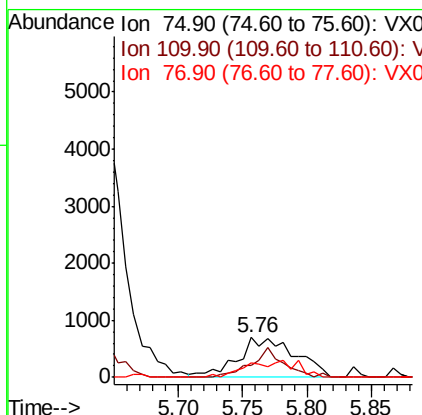
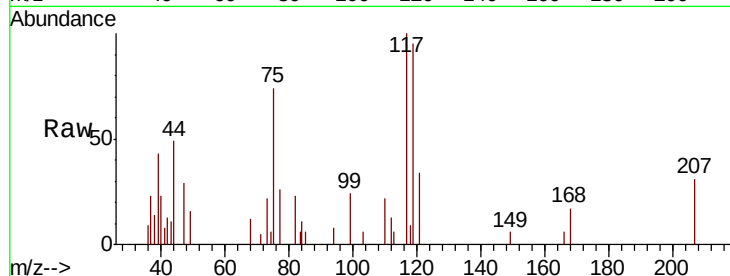




#36
 1,1-Dichloropropene
 Concen: 0.516 ug/l
 RT: 5.76 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

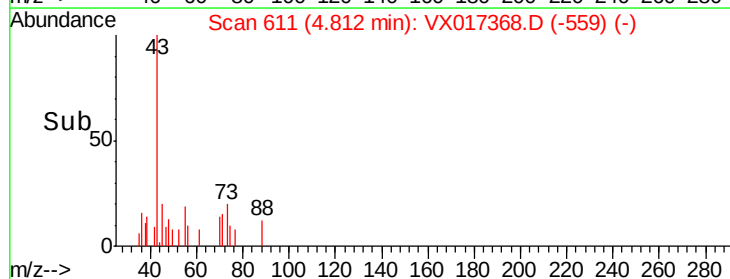
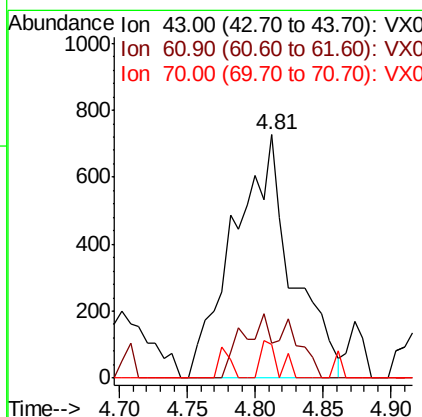
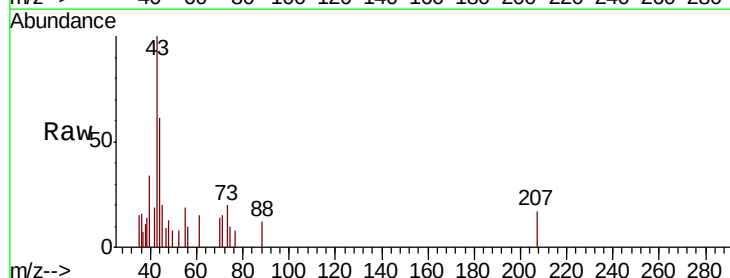
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

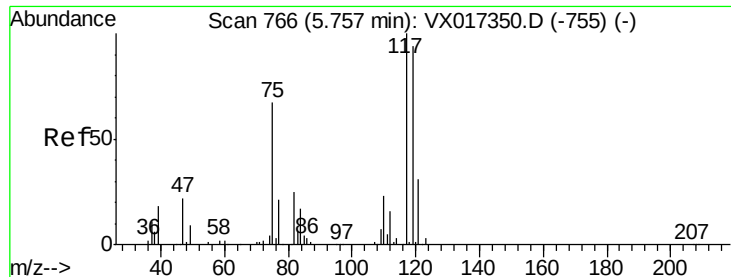
Tot Ion	Ratio	Lower	Upper
75	100		
110	42.6	18.6	55.8
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 0.502 ug/l
 RT: 4.81 min Scan# 611
 Delta R.T. 0.02 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.7	16.1
70	4.8	9.0	13.6#

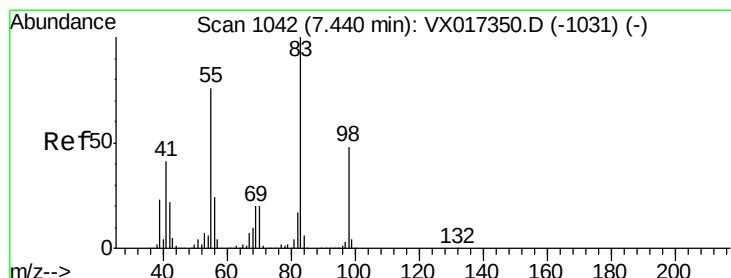
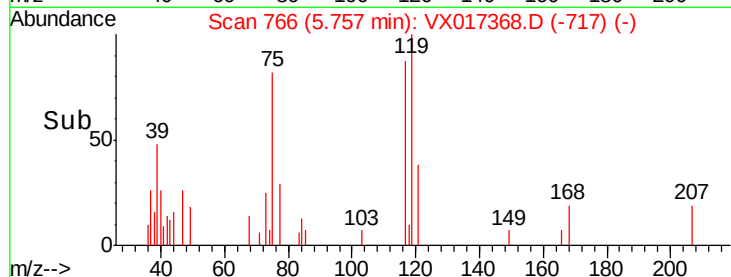
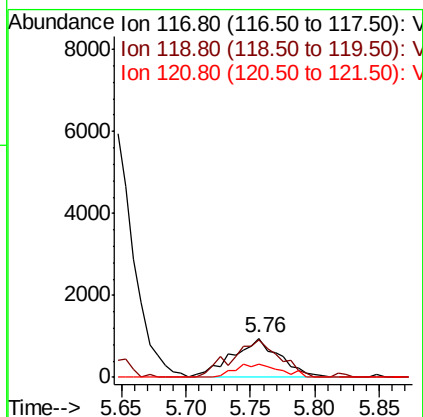
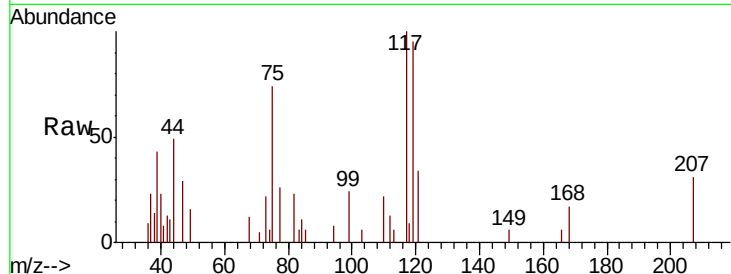




#38
Carbon Tetrachloride
Concen: 0.500 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

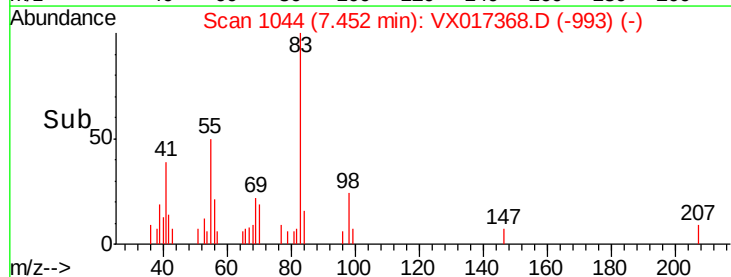
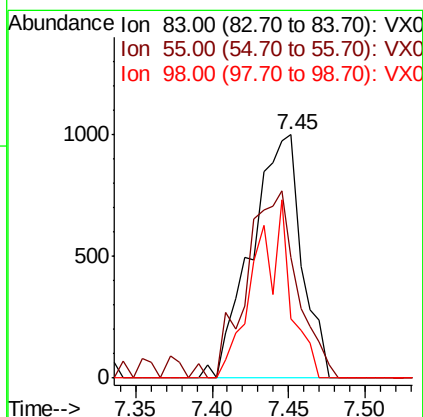
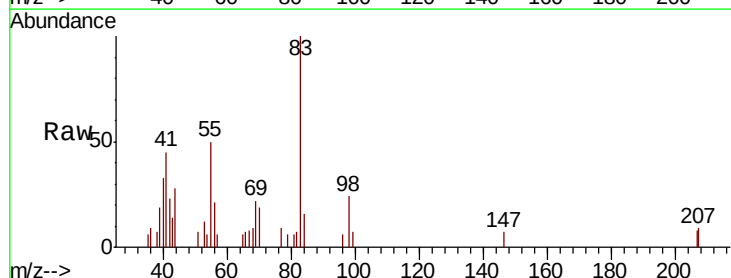
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

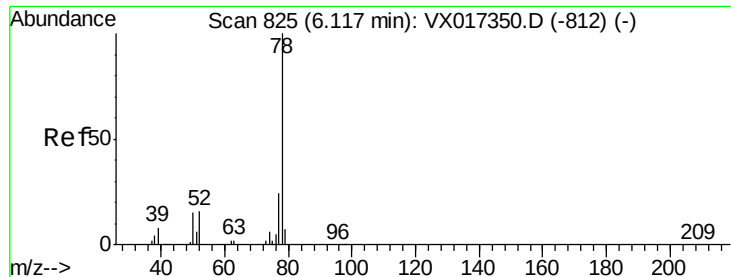
Tot Ion:117 Resp: 2441
Ion Ratio Lower Upper
117 100
119 95.3 74.7 112.1
121 33.6 24.5 36.7



#39
Methylcyclohexane
Concen: 0.503 ug/l
RT: 7.45 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 83 Resp: 2279
Ion Ratio Lower Upper
83 100
55 49.6 61.2 91.8#
98 24.3 38.1 57.1#





#40

Benzene

Concen: 0.473 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

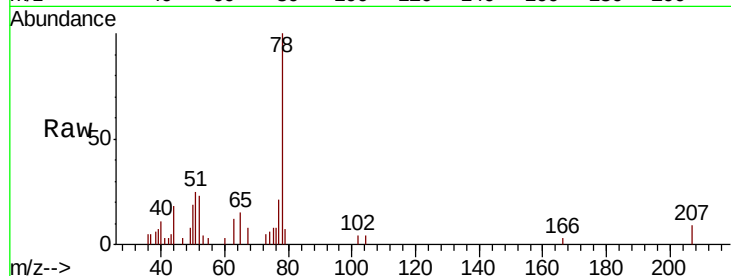
MDL-WATER-03-QT3-2020

Tot Ion: 78 Resp: 5673

Ion Ratio Lower Upper

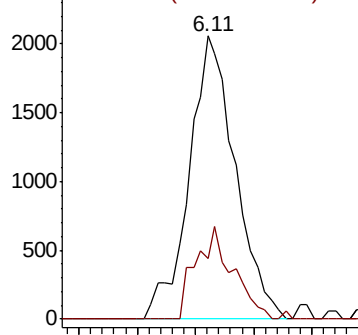
78 100

77 21.5 18.9 28.3

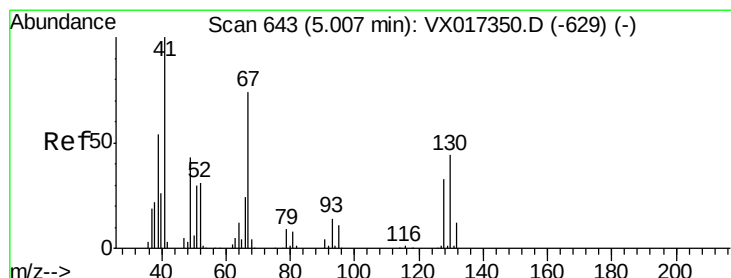
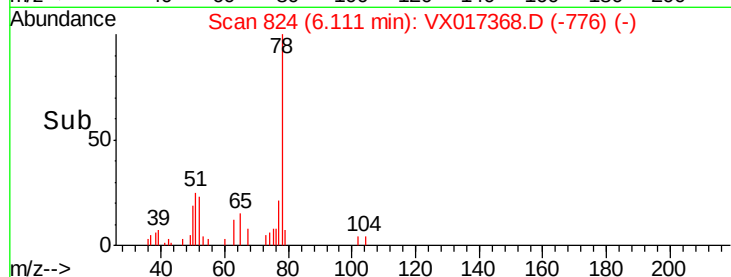


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#41

Methacrylonitrile

Concen: 0.494 ug/l

RT: 5.01 min Scan# 644

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion: 41 Resp: 1143

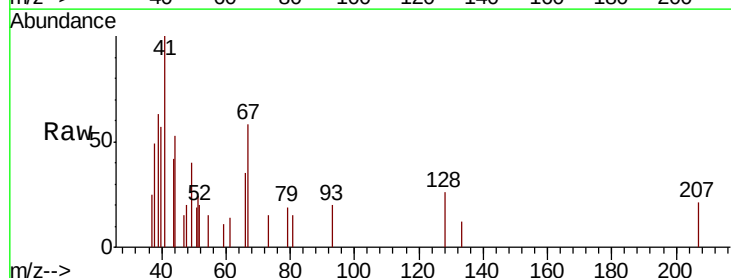
Ion Ratio Lower Upper

41 100

39 54.0 43.8 65.8

67 0.0 58.7 88.1#

52 26.7 24.9 37.3

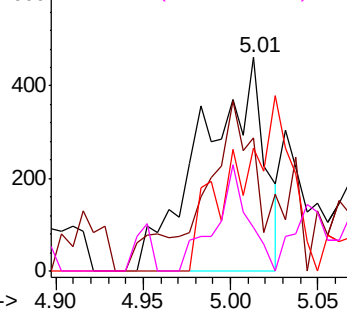


Abundance Ion 41.00 (40.70 to 41.70): VX0

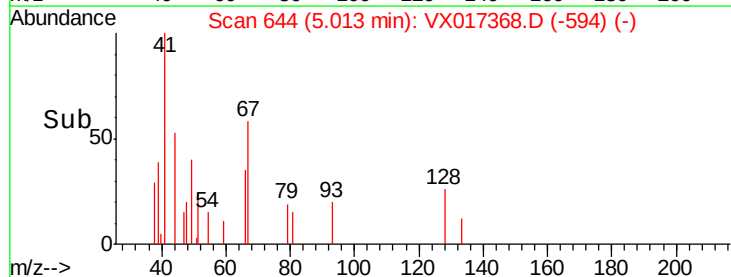
Ion 39.00 (38.70 to 39.70): VX0

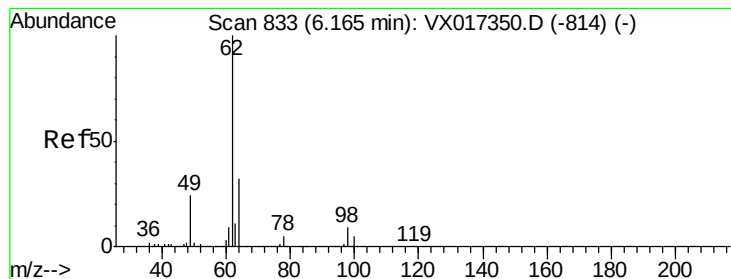
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



Time-->





#42

1,2-Dichloroethane

Concen: 0.611 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

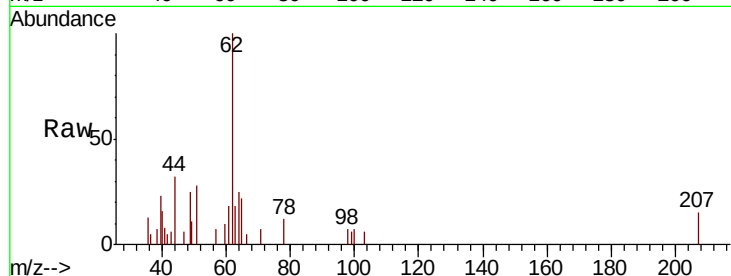
MDL-WATER-03-QT3-2020

Tot Ion: 62 Resp: 2846

Ion Ratio Lower Upper

62 100

98 8.2 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.17

1200

1000

800

600

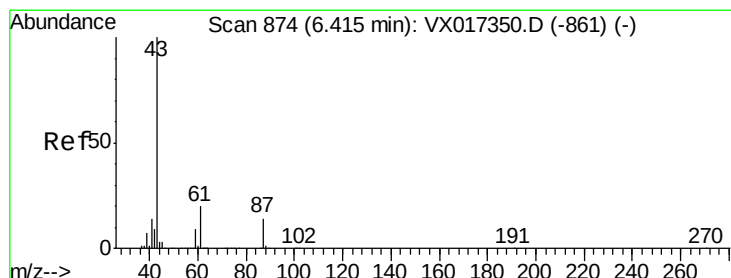
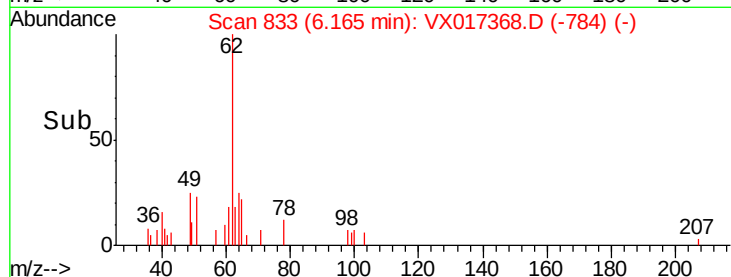
400

200

0

Time-->

6.05 6.10 6.15 6.20 6.25



#43

Isopropyl Acetate

Concen: 0.453 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

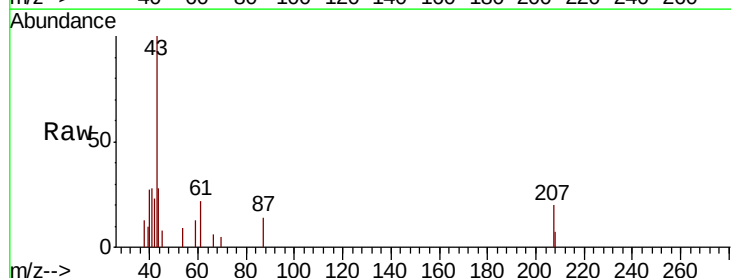
Tgt Ion: 43 Resp: 3122

Ion Ratio Lower Upper

43 100

61 23.5 16.4 24.6

87 17.2 11.2 16.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

1500

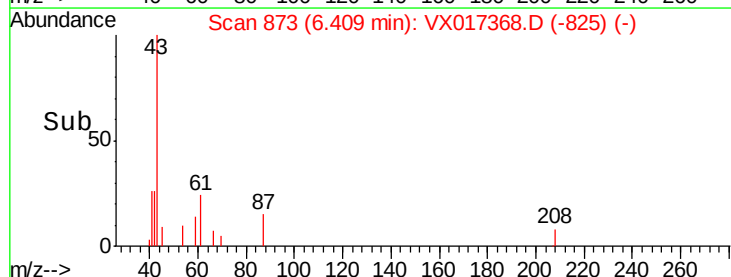
1000

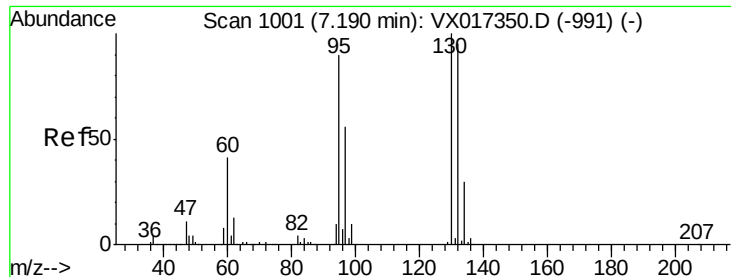
500

0

Time-->

6.30 6.35 6.40 6.45 6.50





#44

Trichloroethene

Concen: 0.557 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

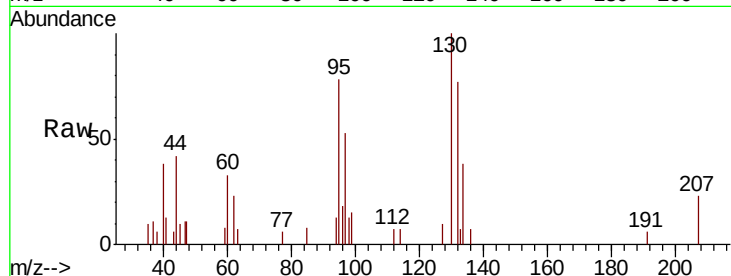
MDL-WATER-03-QT3-2020

Tot Ion:130 Resp: 2039

Ion Ratio Lower Upper

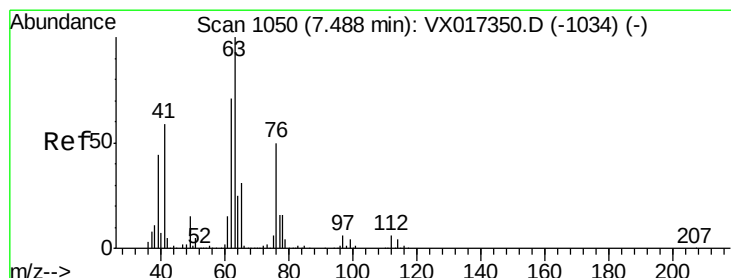
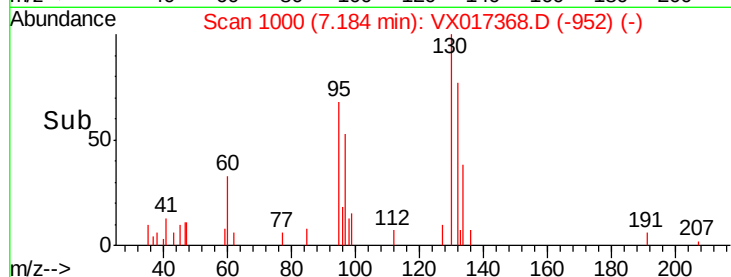
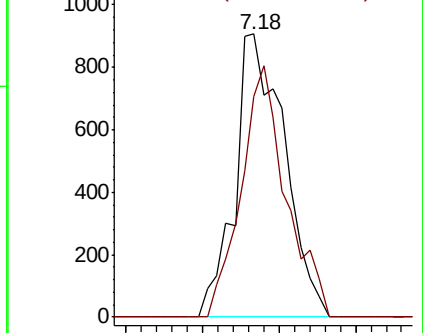
130 100

95 77.9 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: 0.449 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017368.D

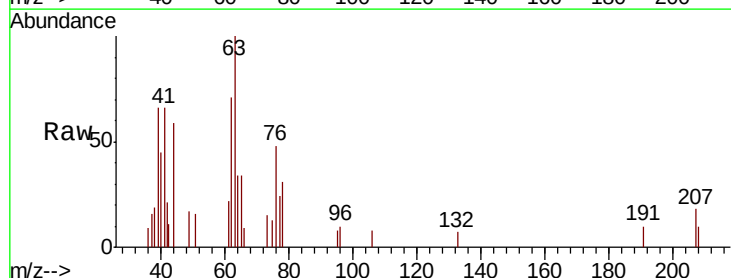
Acq: 14 Jul 2020 11:03

Tgt Ion: 63 Resp: 1378

Ion Ratio Lower Upper

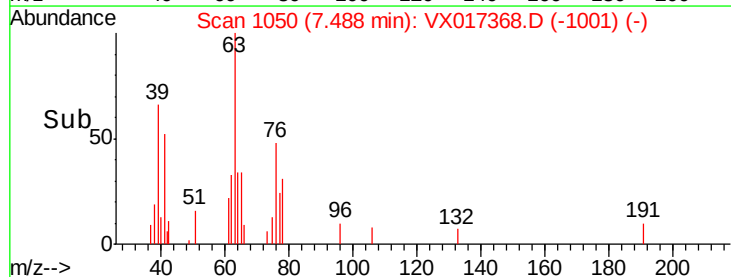
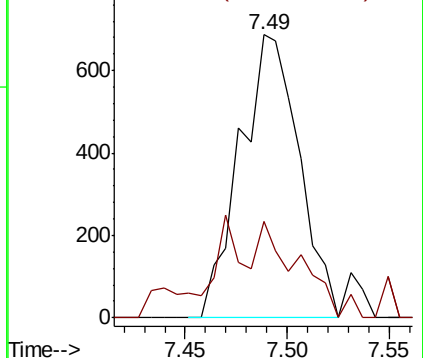
63 100

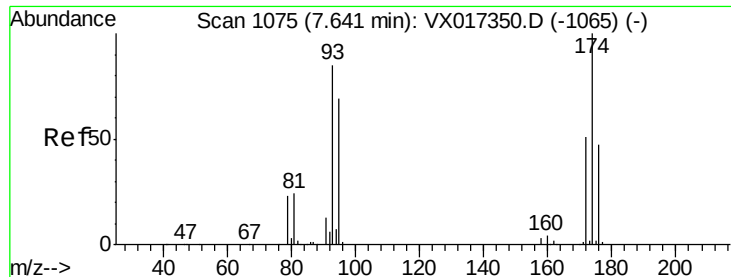
65 34.1 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

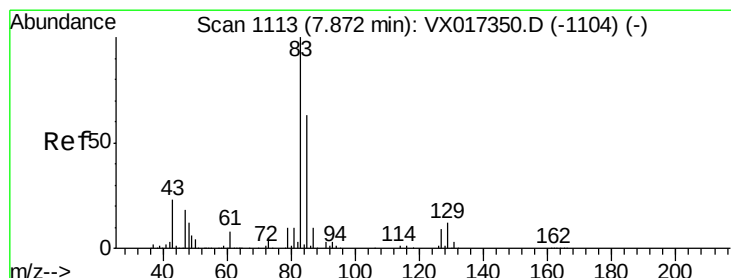
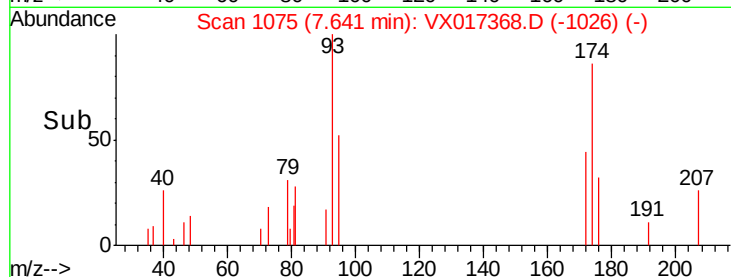
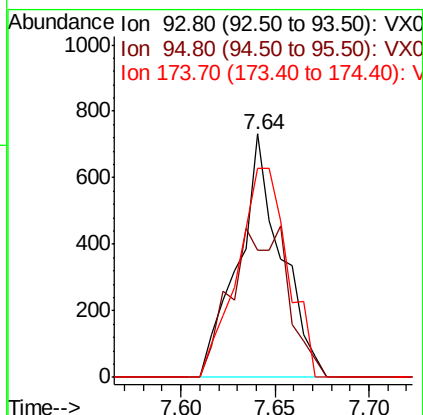
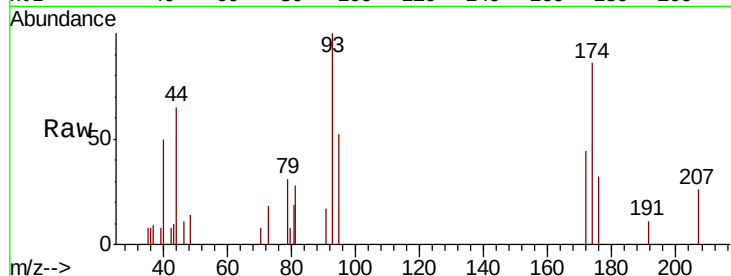




#46
Dibromomethane
Concen: 0.521 ug/l
RT: 7.64 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

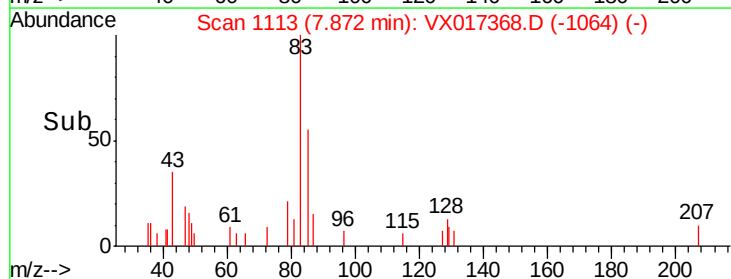
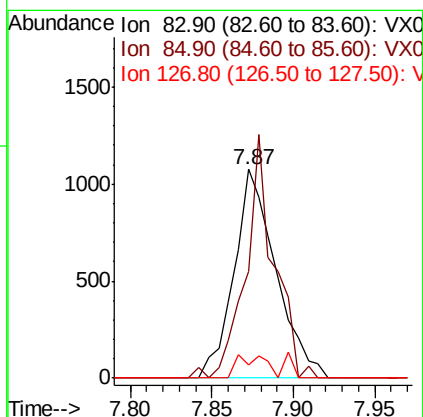
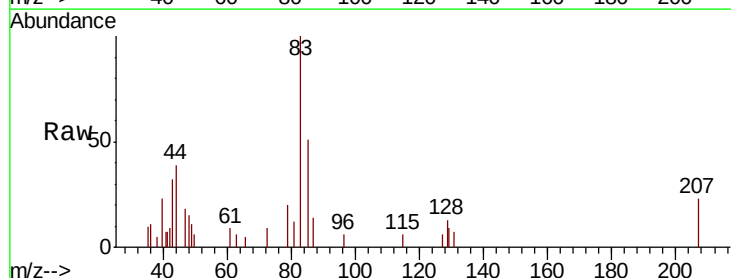
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

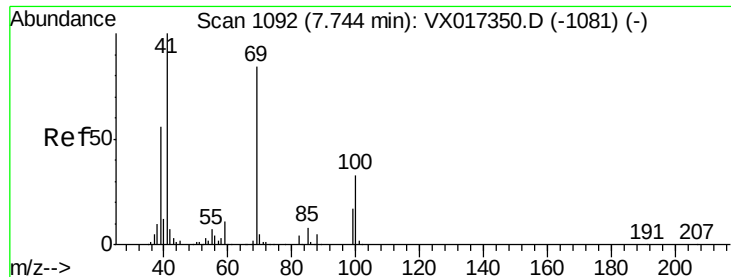
Tot Ion: 93 Resp: 1153
Ion Ratio Lower Upper
93 100
95 82.0 65.4 98.2
174 101.0 91.2 136.8



#47
Bromodichloromethane
Concen: 0.414 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 83 Resp: 1916
Ion Ratio Lower Upper
83 100
85 51.3 50.2 75.4
127 6.1 7.1 10.7#

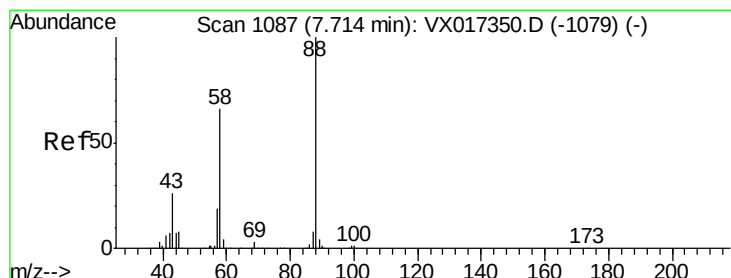
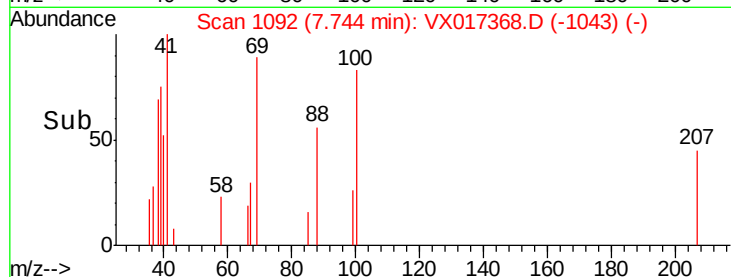
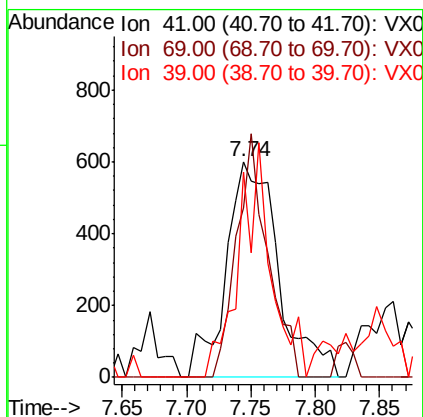
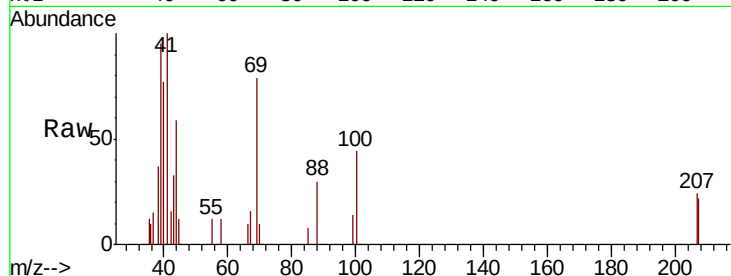




#48
Methvl methacrylate
Concen: 0.515 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

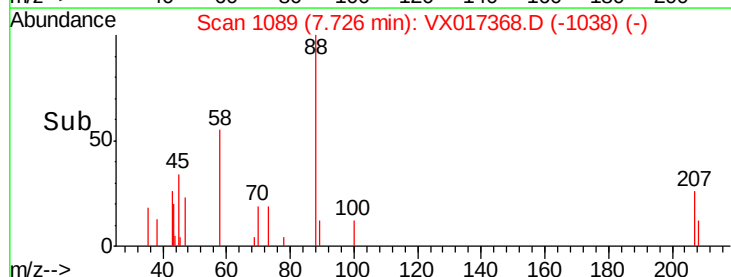
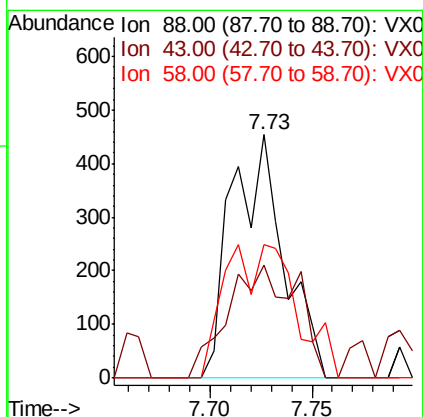
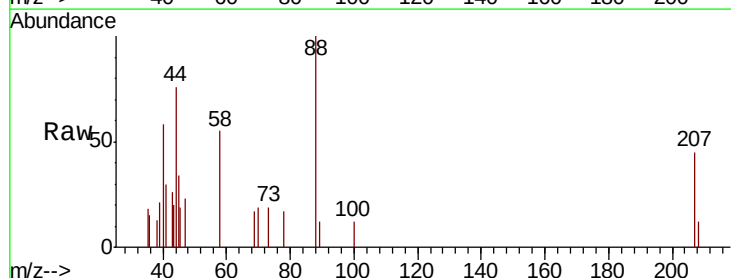
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

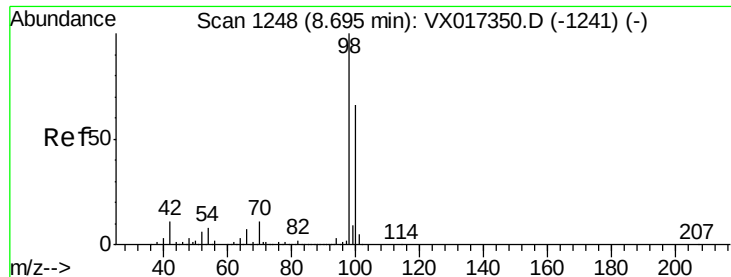
Tot Ion: 41 Resp: 1703
Ion Ratio Lower Upper
41 100
69 67.2 67.8 101.6#
39 66.1 45.1 67.7



#49
1,4-Dioxane
Concen: 12.042 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 88 Resp: 815
Ion Ratio Lower Upper
88 100
43 61.2 25.6 38.4#
58 32.1 53.9 80.9#

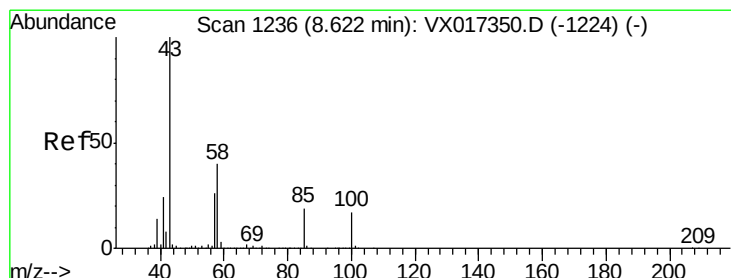
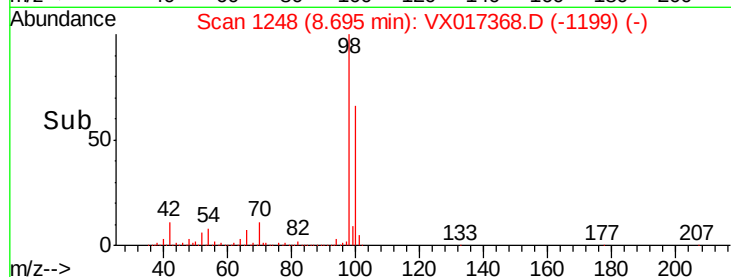
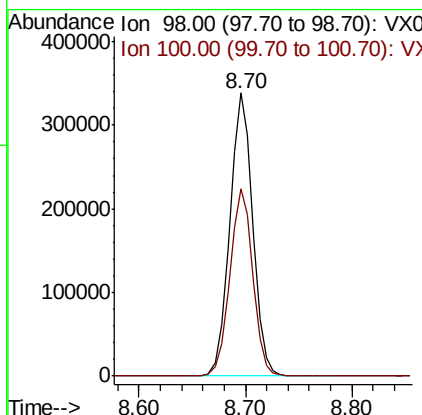
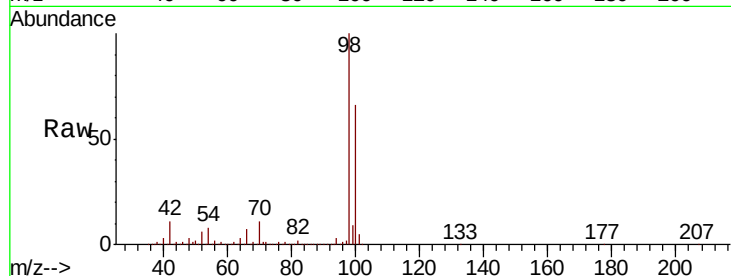




#50
Toluene-d8
Concen: 46.309 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

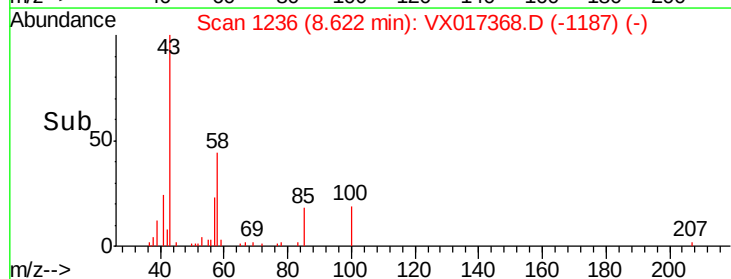
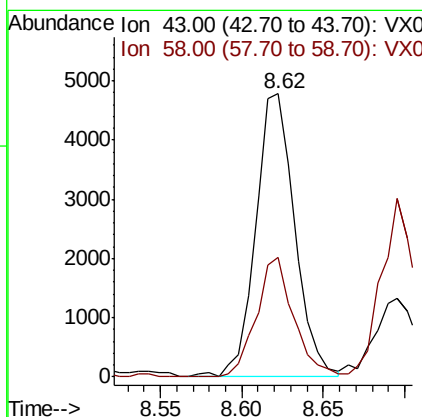
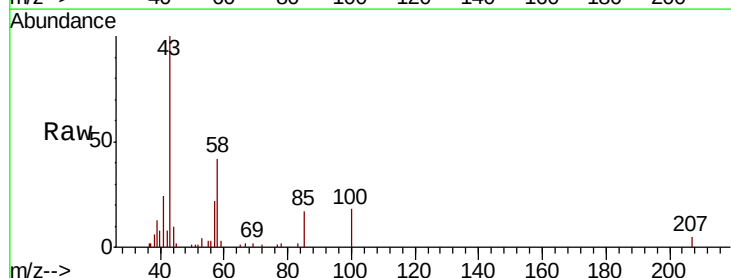
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

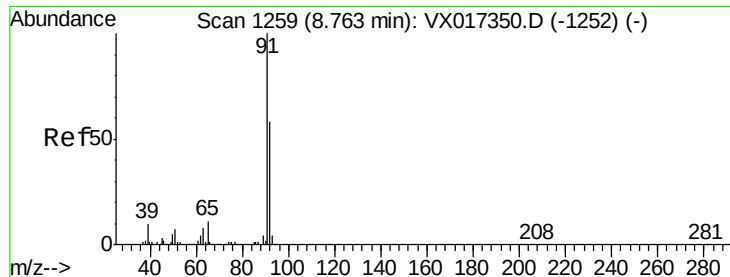
Tot Ion: 98 Resp: 510184
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 1.894 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 43 Resp: 7961
Ion Ratio Lower Upper
43 100
58 40.8 32.2 48.2





#52

Toluene

Concen: 0.478 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

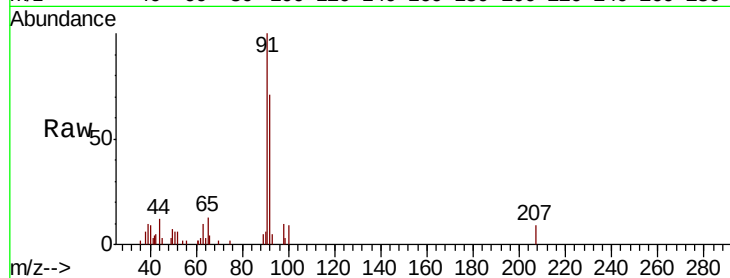
MDL-WATER-03-QT3-2020

Tot Ion: 92 Resp: 3673

Ion Ratio Lower Upper

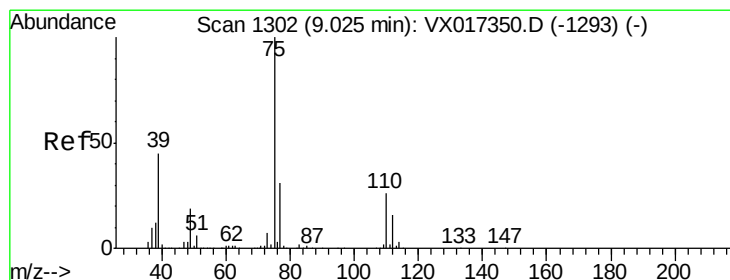
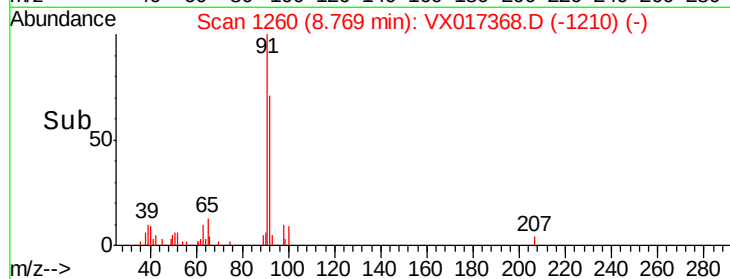
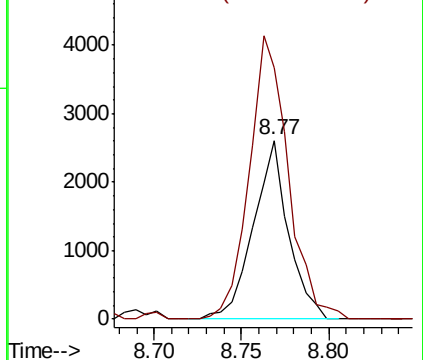
92 100

91 175.1 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.490 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX017368.D

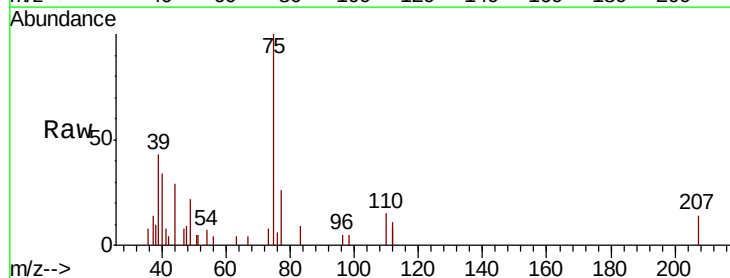
Acq: 14 Jul 2020 11:03

Tgt Ion: 75 Resp: 2441

Ion Ratio Lower Upper

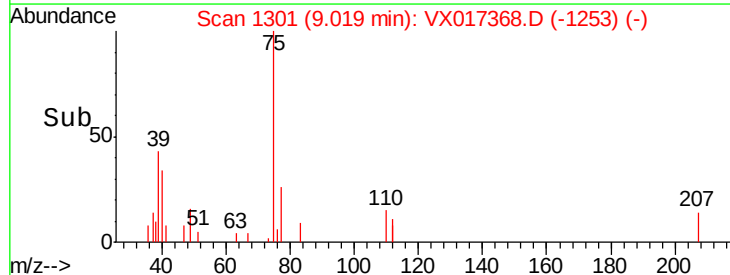
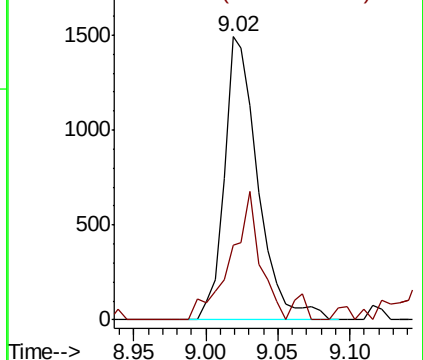
75 100

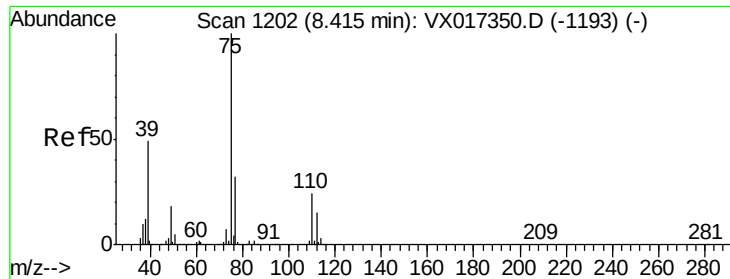
77 26.4 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

cis-1,3-Dichloropropene

Concen: 0.419 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

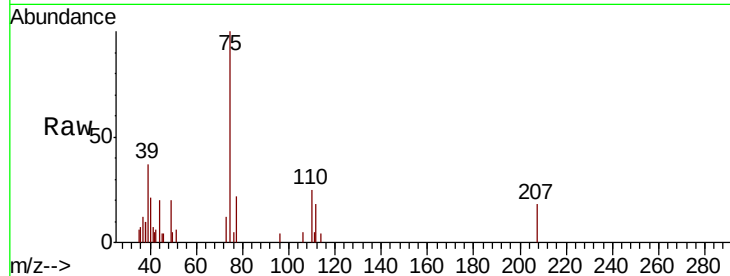
Tot Ion: 75 Resp: 2226

Ion Ratio Lower Upper

75 100

77 22.3 25.3 37.9#

39 31.6 38.9 58.3#

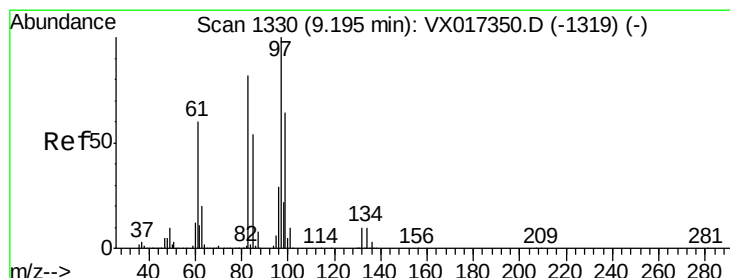
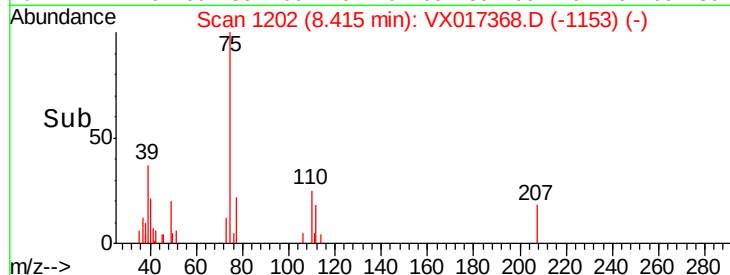
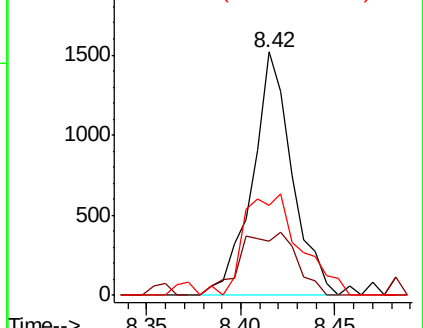


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.486 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion: 97 Resp: 1560

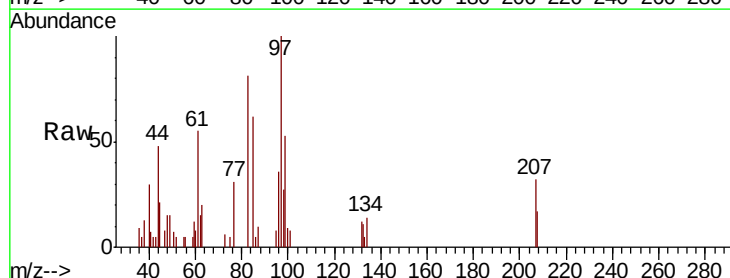
Ion Ratio Lower Upper

97 100

83 81.5 65.8 98.6

85 61.7 42.8 64.2

99 52.6 51.2 76.8



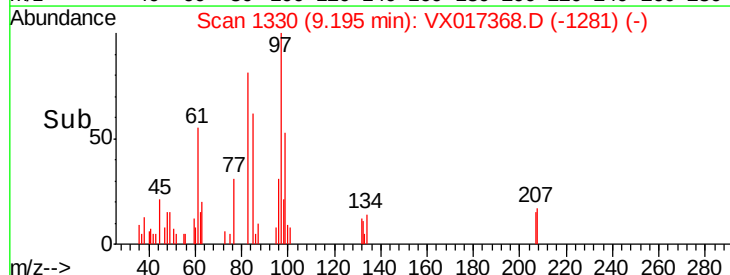
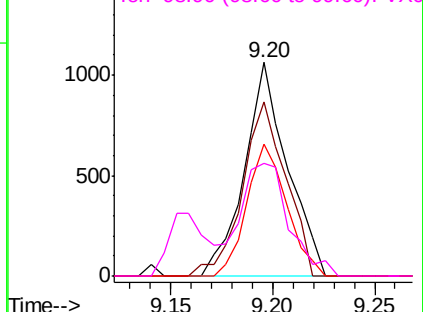
Abundance

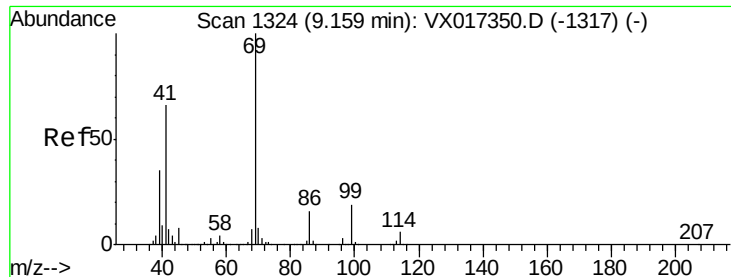
Ion 96.90 (96.60 to 97.60): VX0

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: 0.342 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

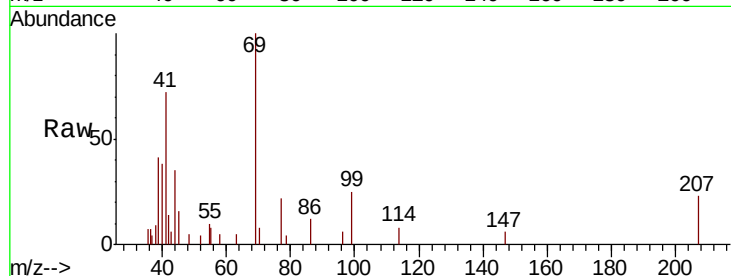
Tot Ion: 69 Resp: 1555

Ion Ratio Lower Upper

69 100

41 93.3 52.6 78.8#

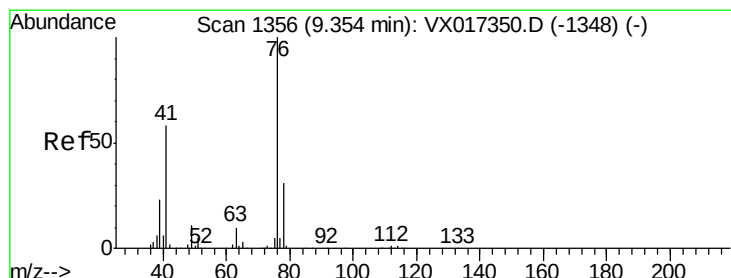
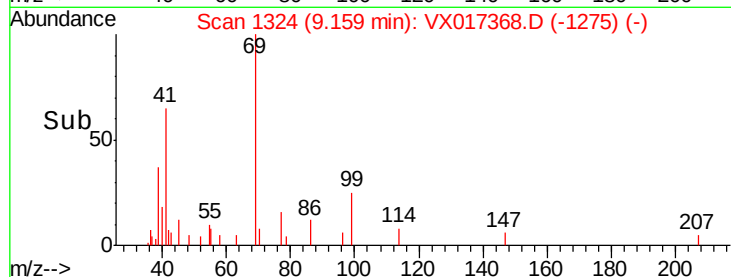
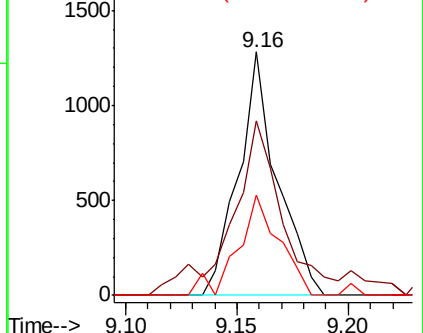
39 43.9 28.8 43.2#



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: 0.438 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017368.D

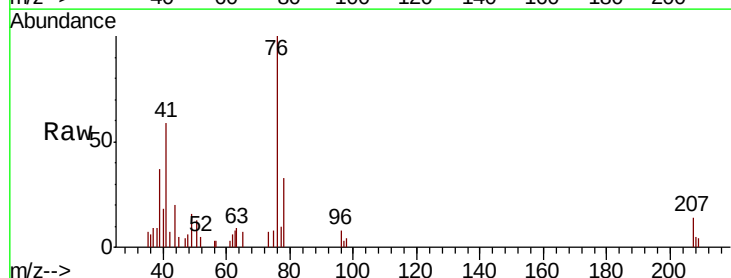
Acq: 14 Jul 2020 11:03

Tgt Ion: 76 Resp: 2337

Ion Ratio Lower Upper

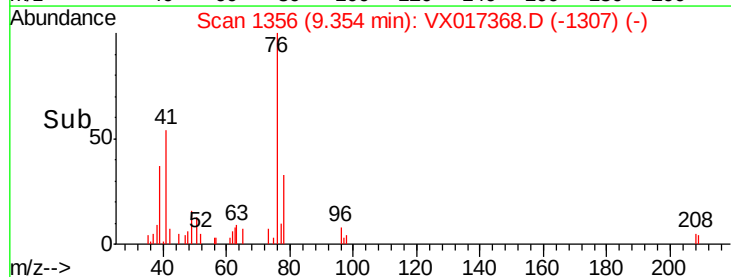
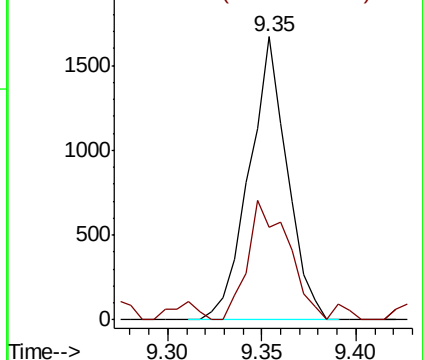
76 100

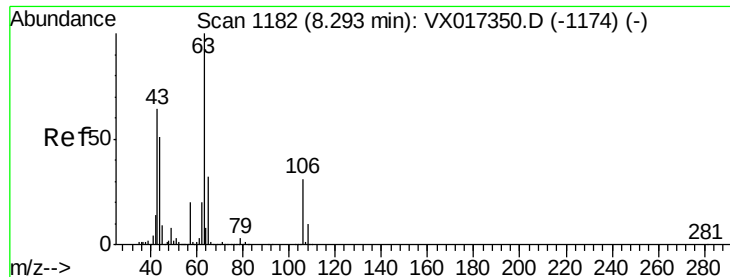
78 45.4 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

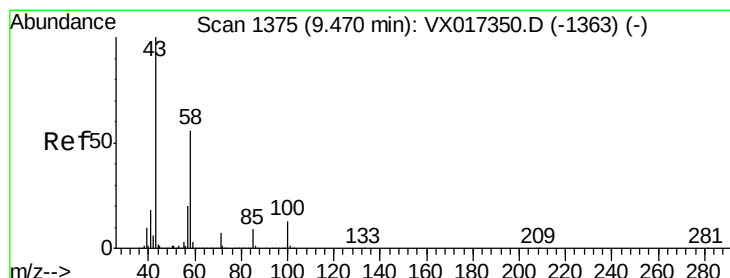
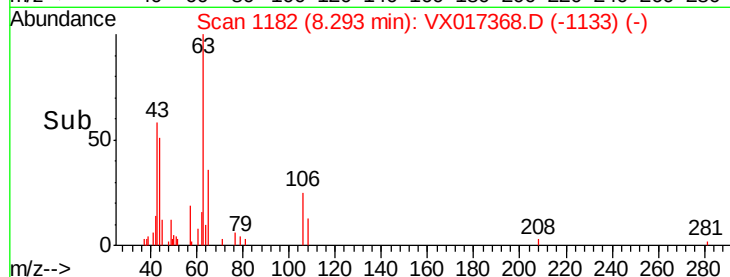
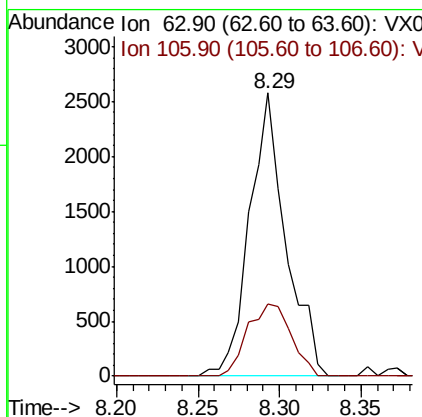
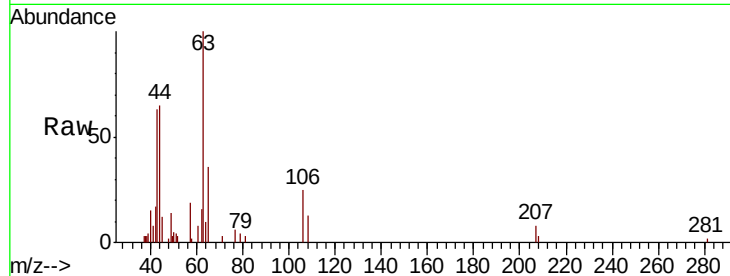




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.734 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

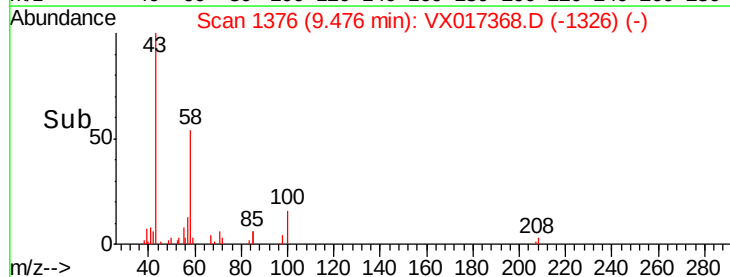
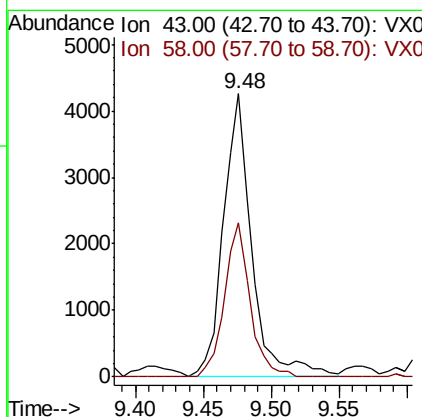
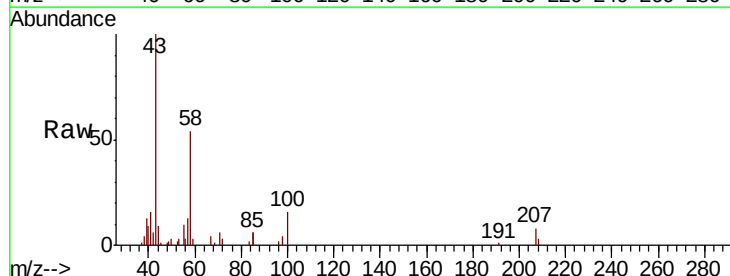
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

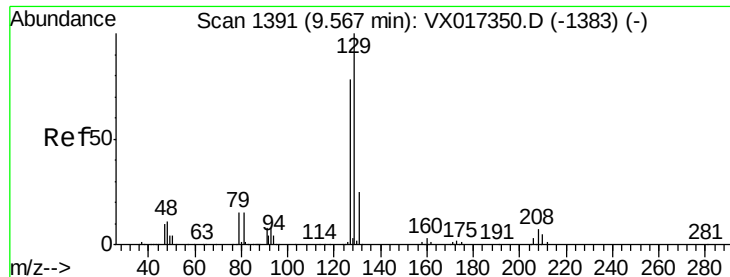
Tot Ion: 63 Resp: 4008
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.8 37.2



#59
 2-Hexanone
 Concen: 1.942 ug/l
 RT: 9.48 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion: 43 Resp: 6159
 Ion Ratio Lower Upper
 43 100
 58 49.1 28.1 84.3





#60

Dibromochloromethane

Concen: 0.375 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

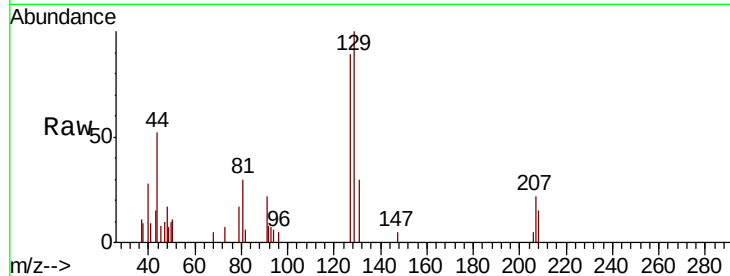
MDL-WATER-03-QT3-2020

Tot Ion:129 Resp: 1471

Ion Ratio Lower Upper

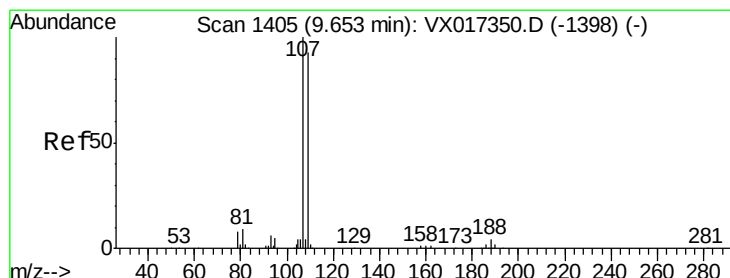
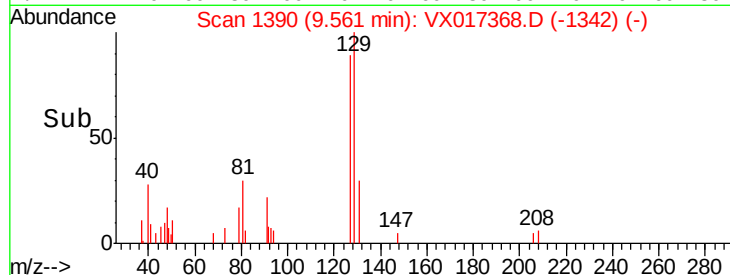
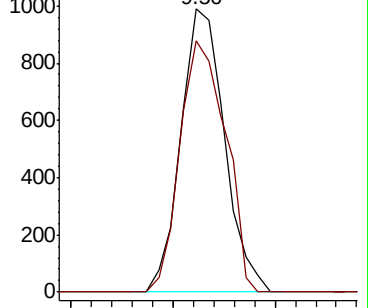
129 100

127 92.7 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.453 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017368.D

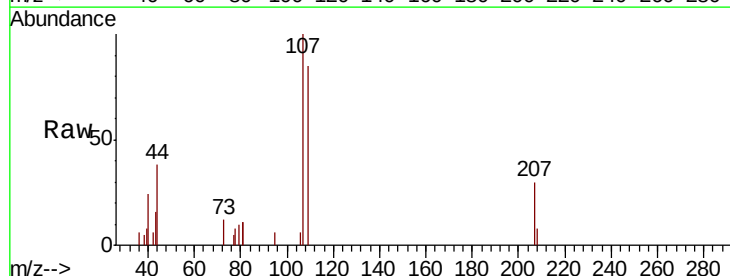
Acq: 14 Jul 2020 11:03

Tgt Ion:107 Resp: 1579

Ion Ratio Lower Upper

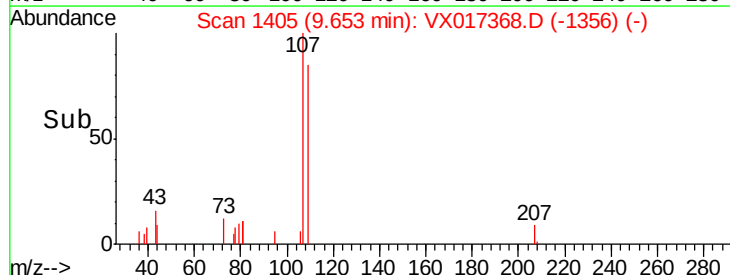
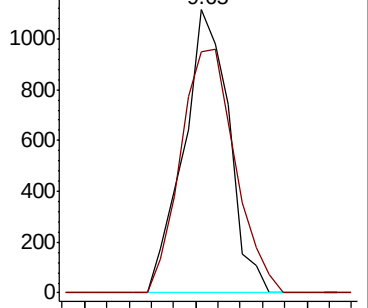
107 100

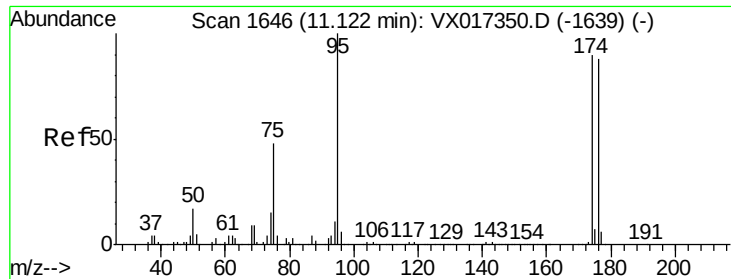
109 103.7 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 42.427 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

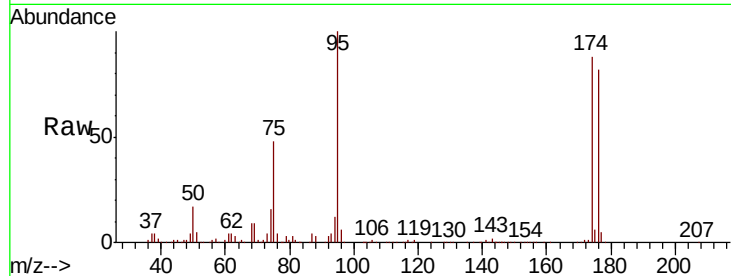
Tot Ion: 95 Resp: 185664

Ion Ratio Lower Upper

95 100

174 85.0 0.0 175.8

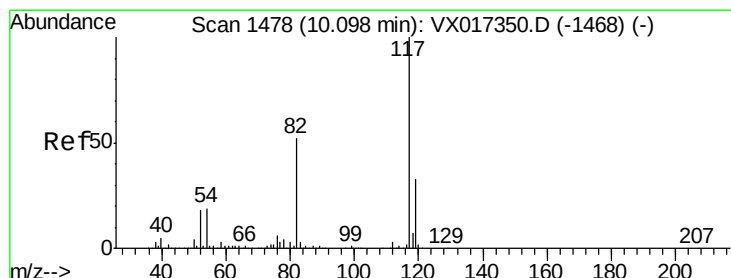
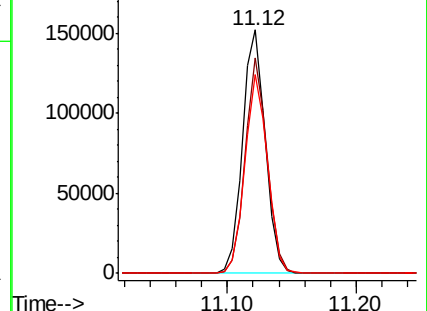
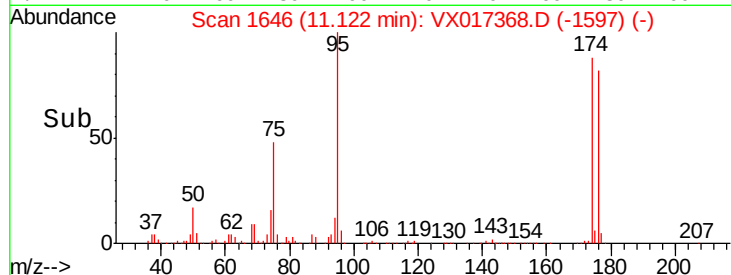
176 81.0 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX017350.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017350.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017350.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

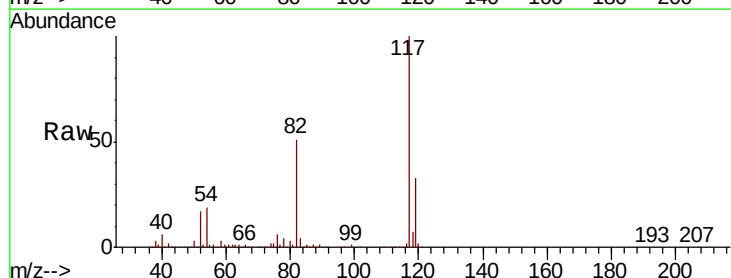
Tgt Ion: 117 Resp: 420563

Ion Ratio Lower Upper

117 100

82 51.0 42.0 63.0

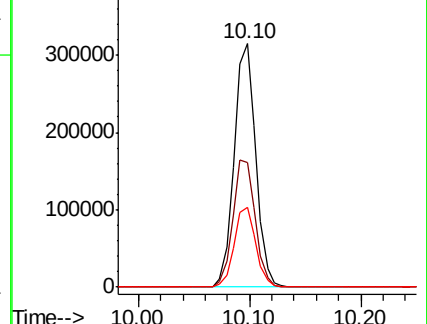
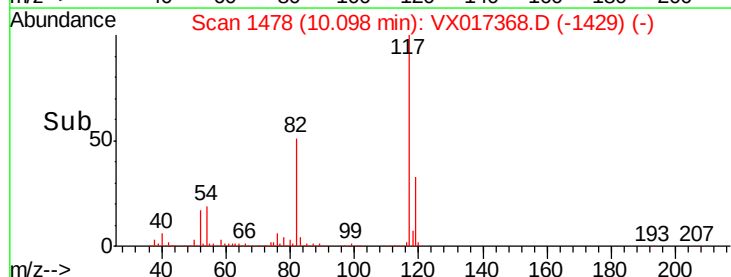
119 32.6 26.3 39.5

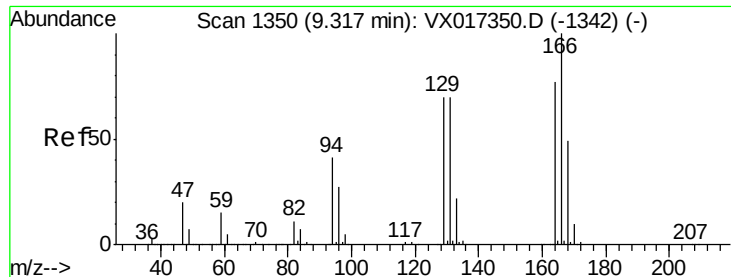


Abundance Ion 116.90 (116.60 to 117.60): VX017350.D (-1468) (-)

Ion 82.00 (81.70 to 82.70): VX017350.D (-1468) (-)

Ion 118.90 (118.60 to 119.60): VX017350.D (-1468) (-)





#64

Tetrachloroethene

Concen: 0.521 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:164 Resp: 1896

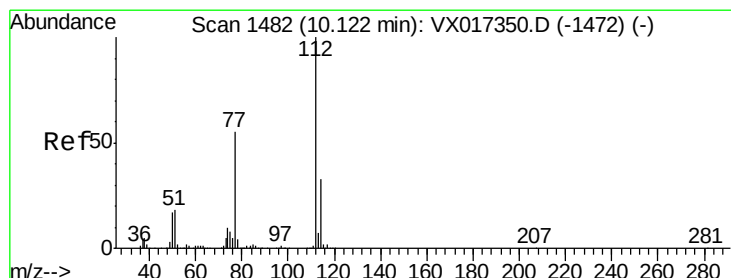
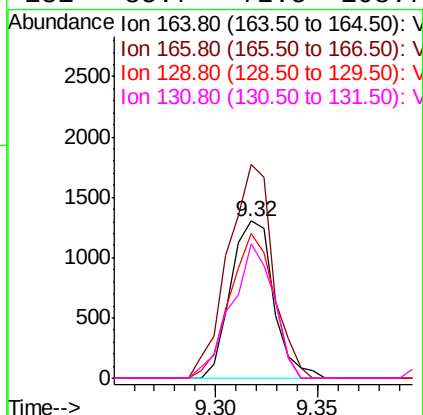
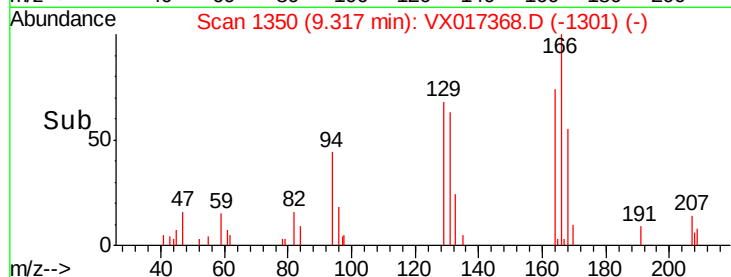
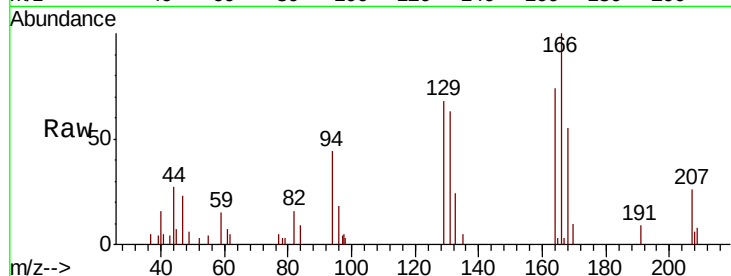
Ion Ratio Lower Upper

164 100

166 135.9 103.9 155.9

129 92.4 72.9 109.3

131 85.7 72.5 108.7



#65

Chlorobenzene

Concen: 0.485 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017368.D

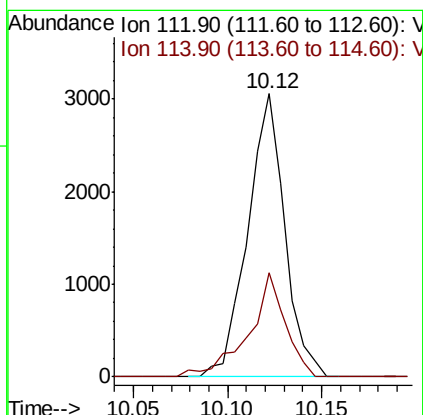
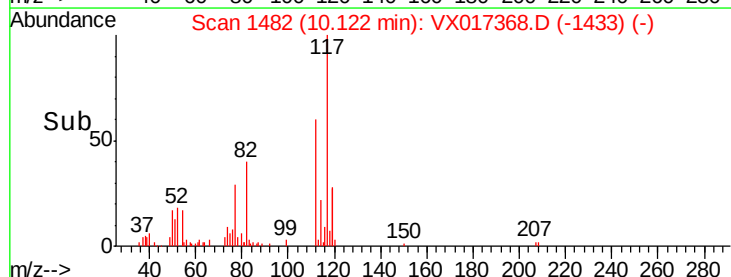
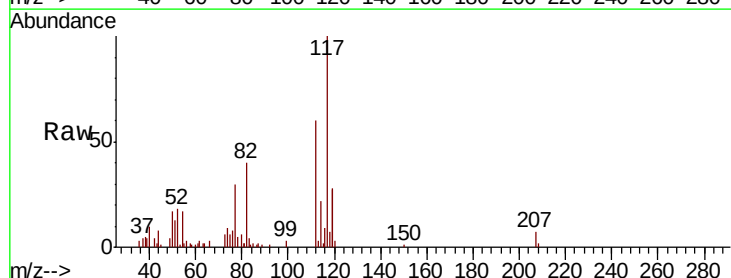
Acq: 14 Jul 2020 11:03

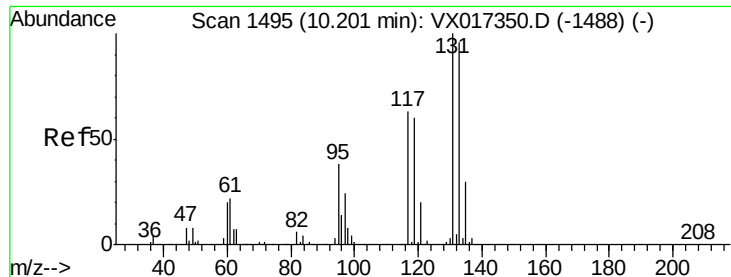
Tgt Ion:112 Resp: 4149

Ion Ratio Lower Upper

112 100

114 36.7 26.0 39.0

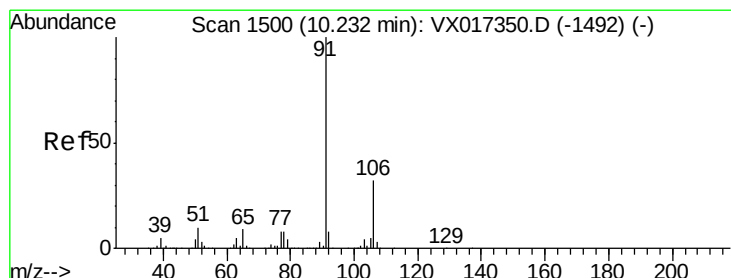
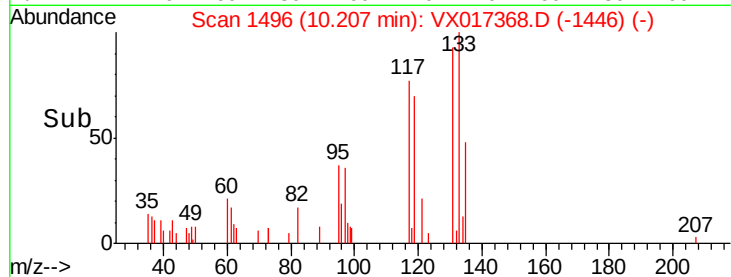
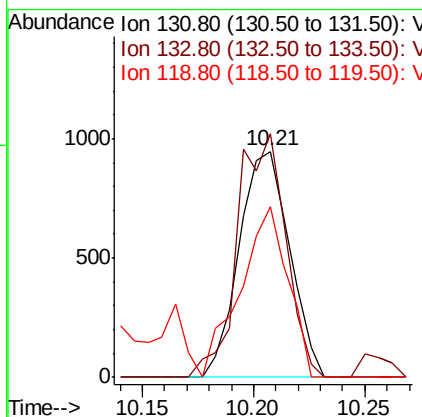
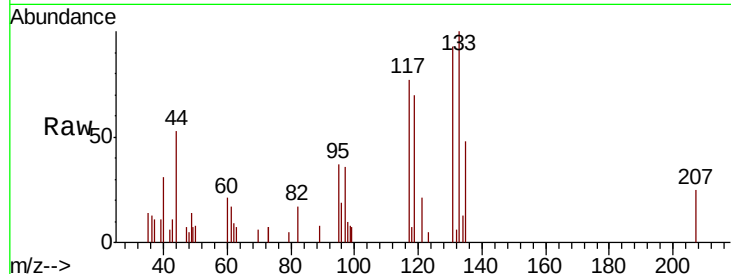




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.440 ug/l
 RT: 10.21 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

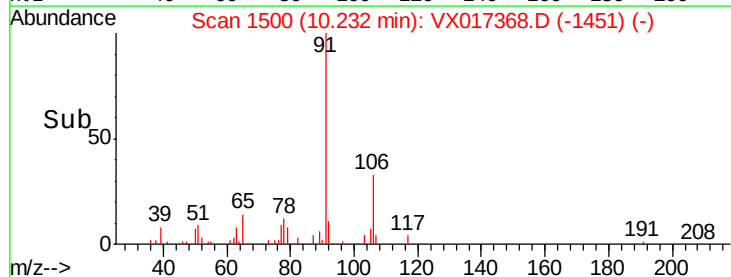
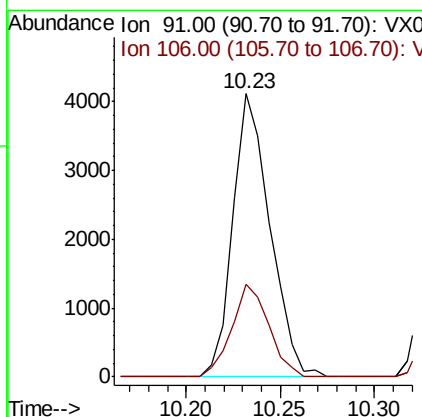
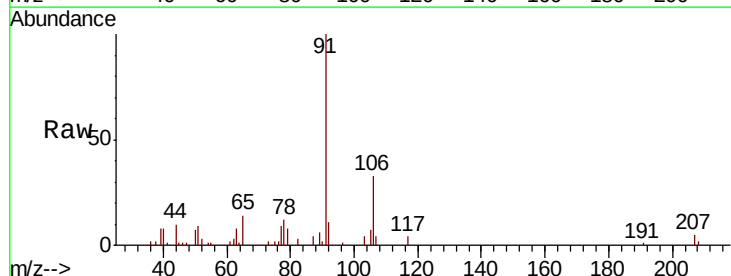
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

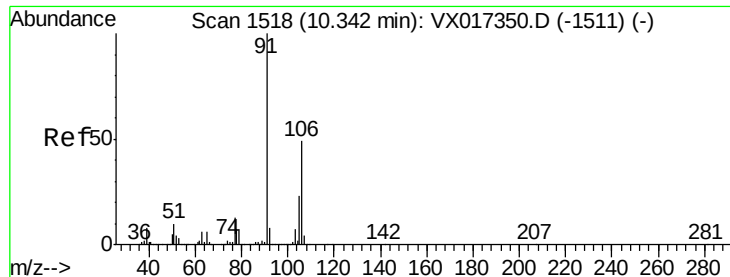
Tot Ion:131 Resp: 1497
 Ion Ratio Lower Upper
 131 100
 133 102.9 48.4 145.2
 119 0.0 31.2 93.6#



#67
 Ethyl Benzene
 Concen: 0.395 ug/l
 RT: 10.23 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion: 91 Resp: 5614
 Ion Ratio Lower Upper
 91 100
 106 32.6 25.7 38.5

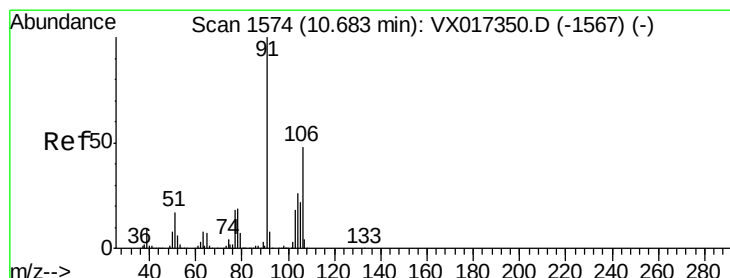
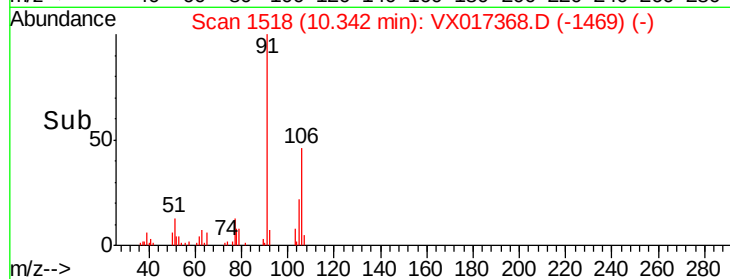
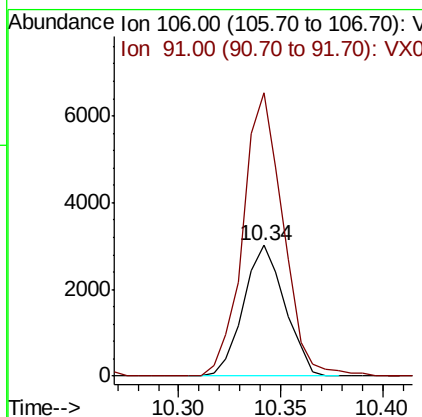
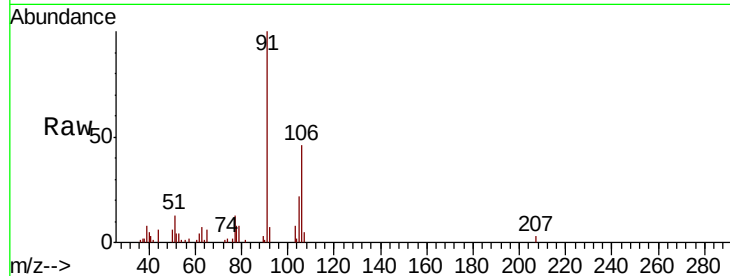




#68
m/p-Xylenes
Concen: 0.787 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

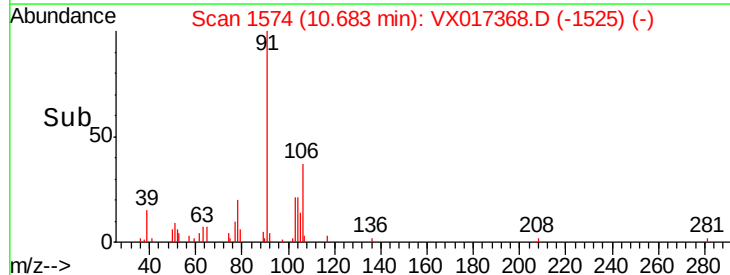
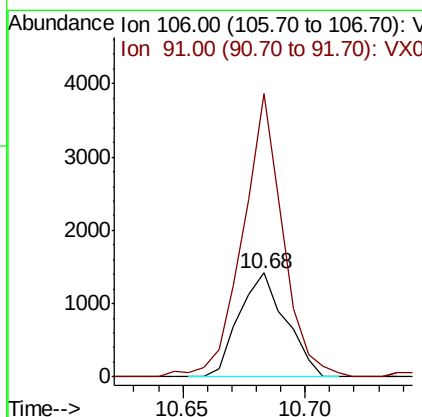
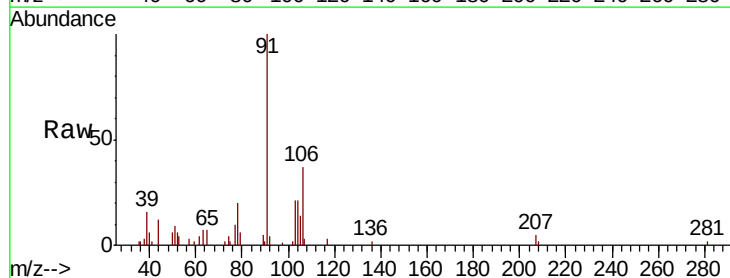
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

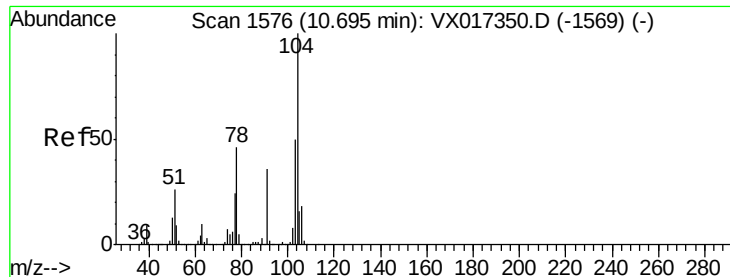
Tot Ion:106 Resp: 4259
Ion Ratio Lower Upper
106 100
91 210.3 162.5 243.7



#69
o-Xylene
Concen: 0.362 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion:106 Resp: 1874
Ion Ratio Lower Upper
106 100
91 235.7 106.1 318.1

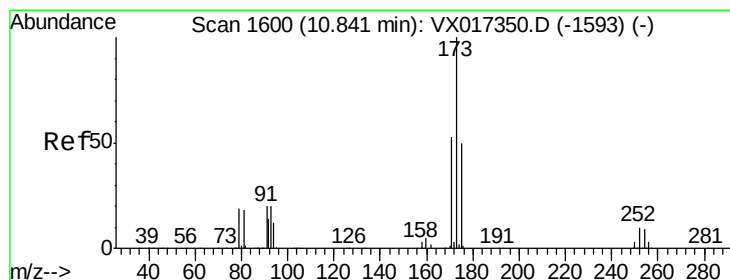
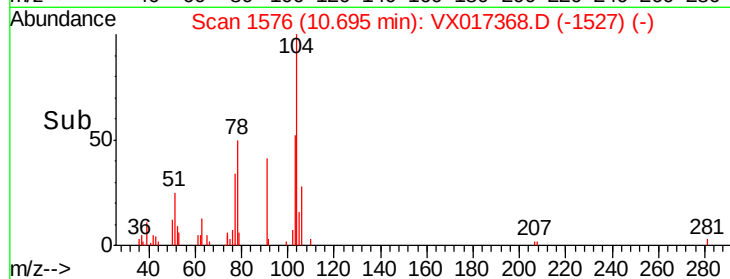
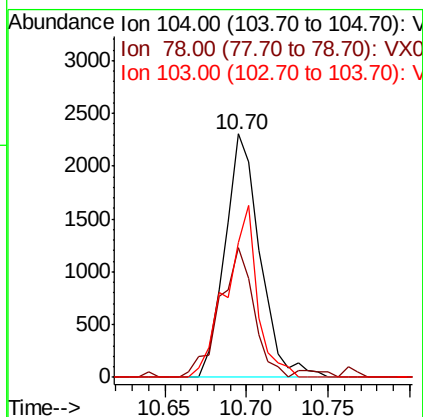
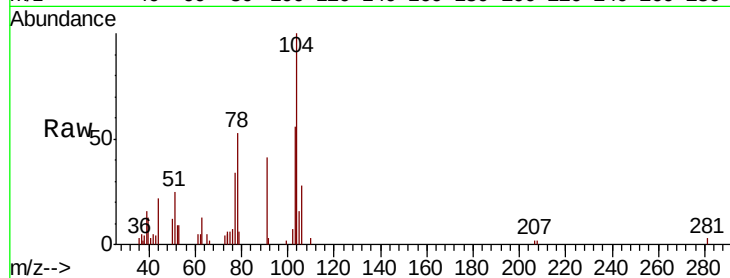




#70
Stvrene
Concen: 0.387 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

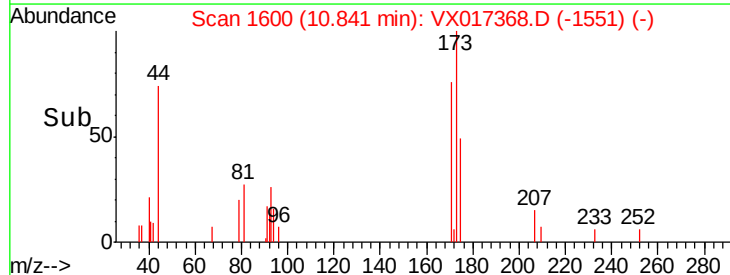
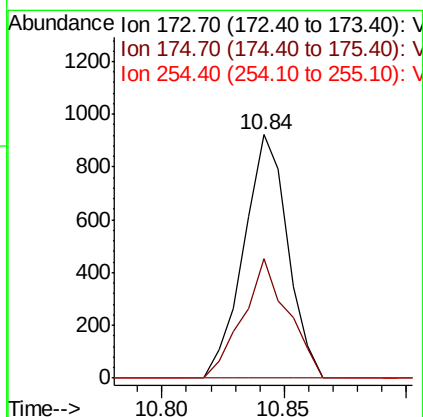
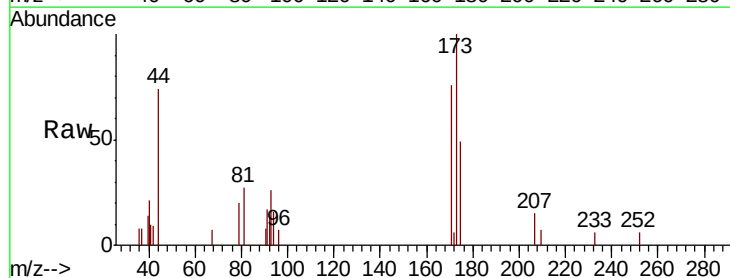
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

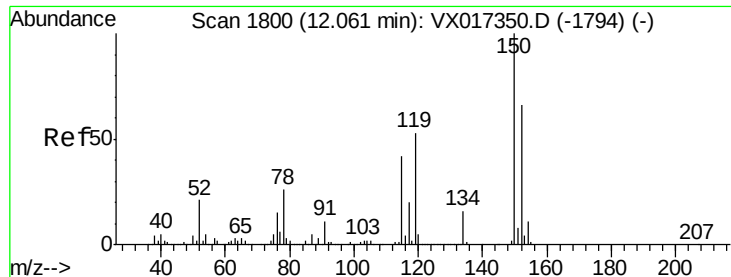
Tot Ion:104 Resp: 3435
Ion Ratio Lower Upper
104 100
78 51.9 40.8 61.2
103 62.5 43.3 64.9



#71
Bromoform
Concen: 0.404 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion:173 Resp: 1160
Ion Ratio Lower Upper
173 100
175 50.2 24.7 74.1
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

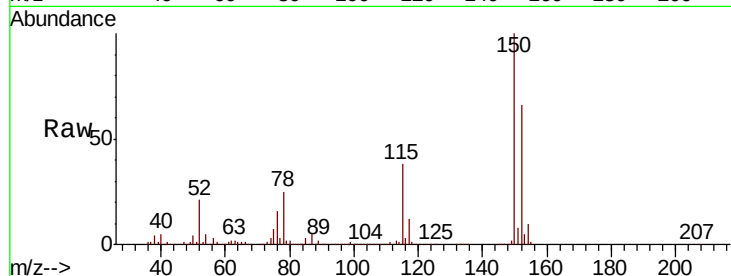
Tot Ion:152 Resp: 208923

Ion Ratio Lower Upper

152 100

115 58.2 39.9 119.7

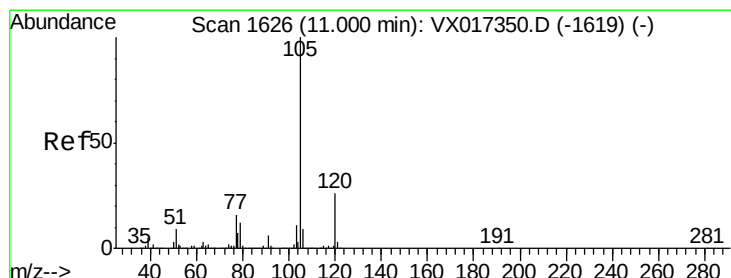
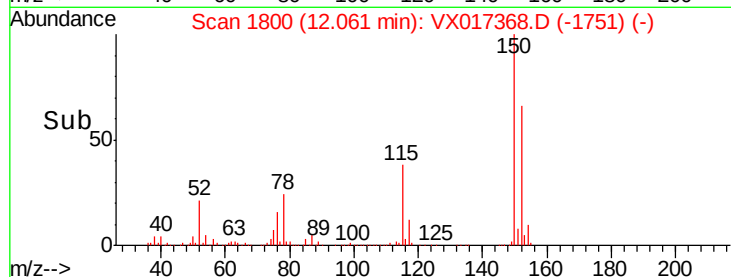
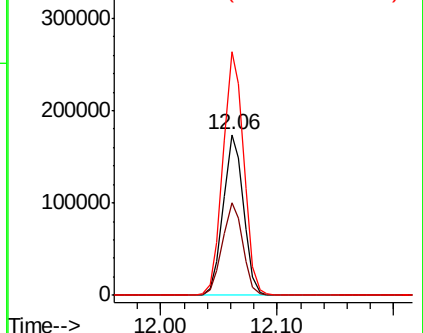
150 155.0 0.0 343.4



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: 0.350 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017368.D

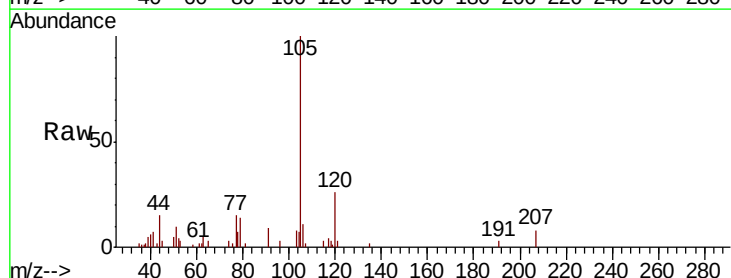
Acq: 14 Jul 2020 11:03

Tgt Ion:105 Resp: 4578

Ion Ratio Lower Upper

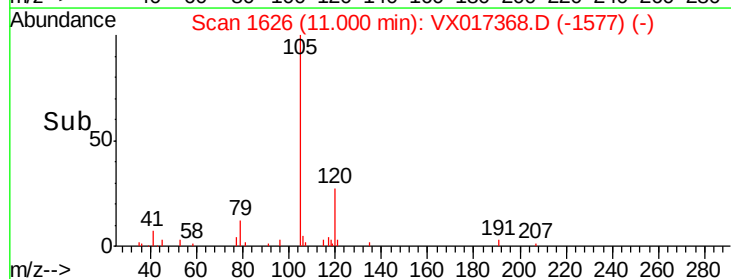
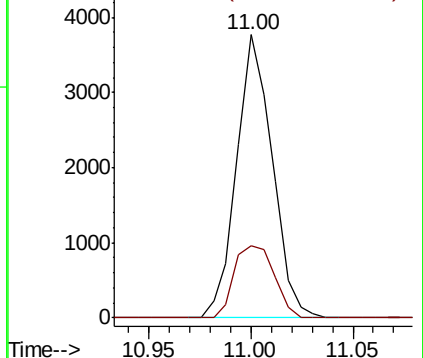
105 100

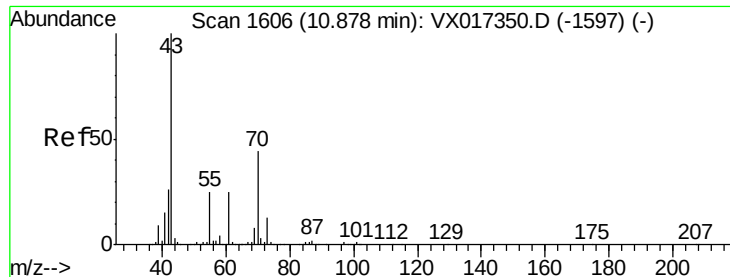
120 28.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.409 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 2143

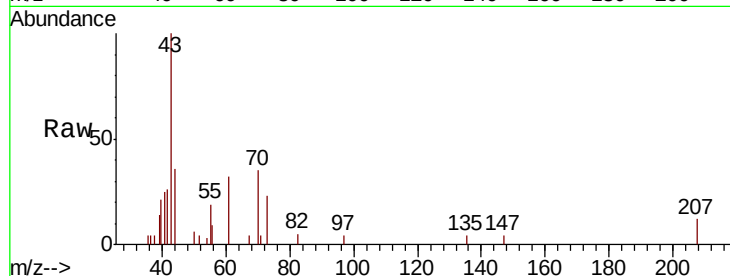
Ion Ratio Lower Upper

43 100

70 38.2 35.7 53.5

55 26.3 20.3 30.5

61 28.1 20.0 30.0

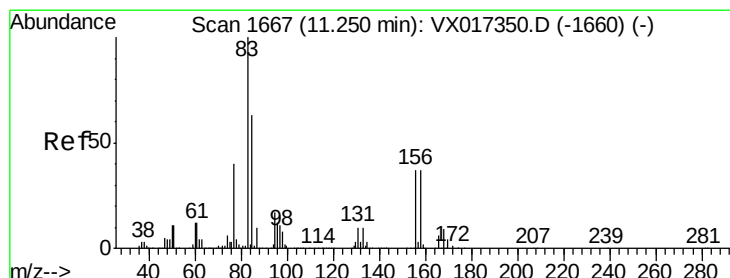
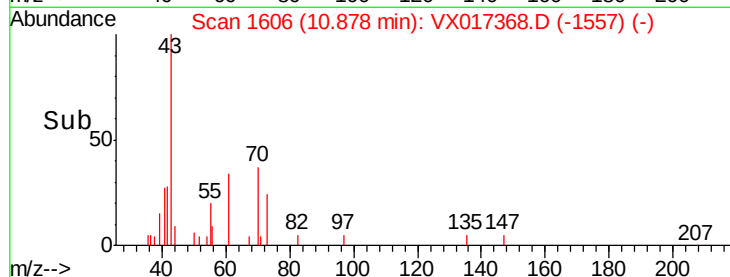
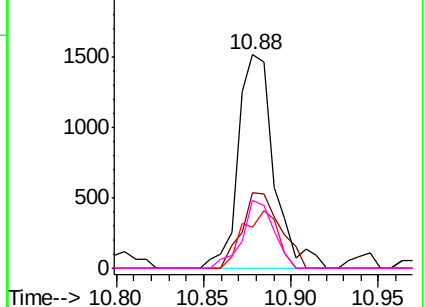


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.563 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

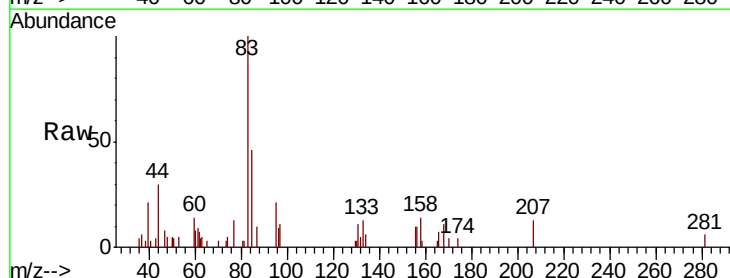
Tgt Ion: 83 Resp: 2240

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.7

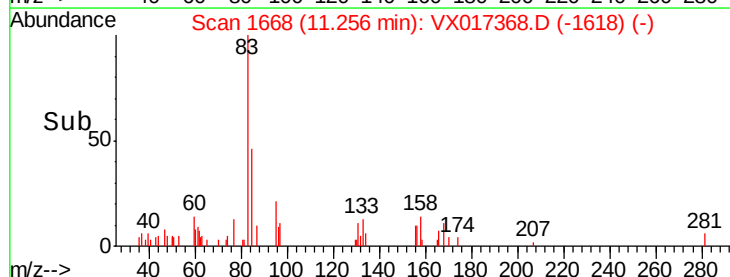
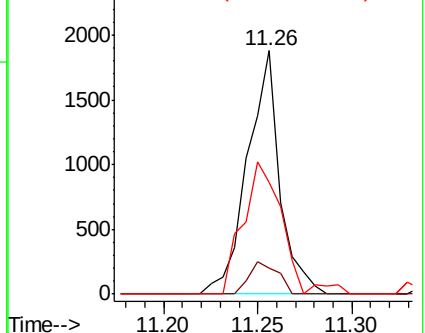
85 65.0 32.6 98.0

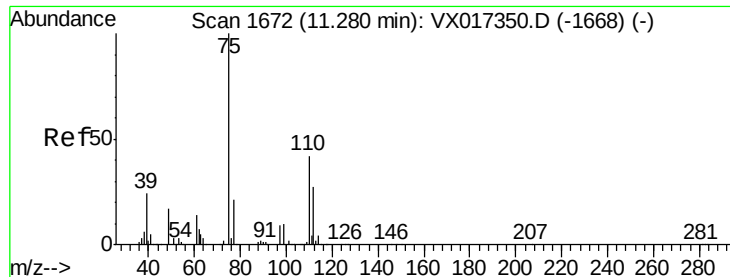


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

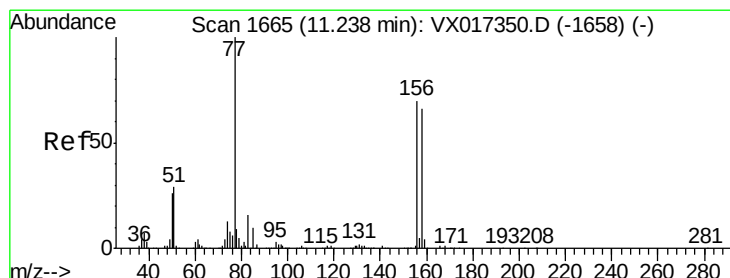
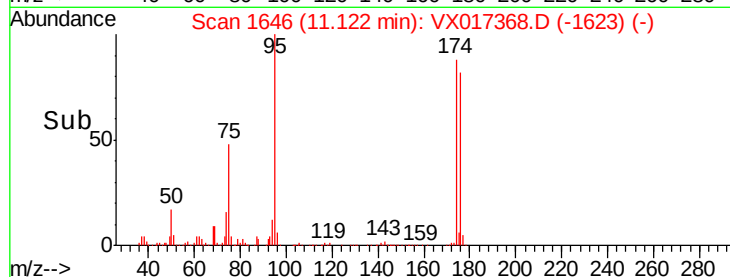
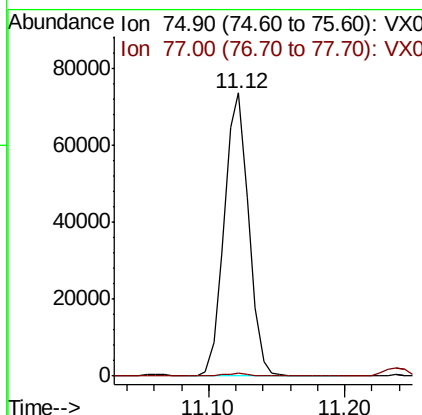
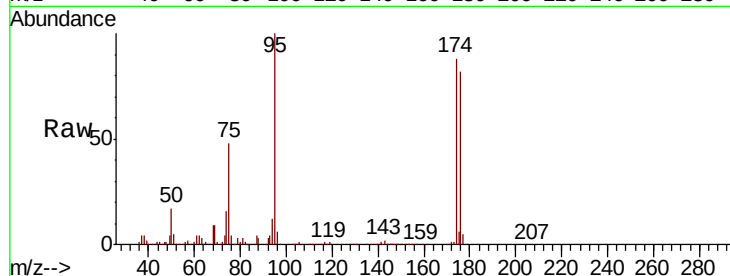




#76
 1,2,3-Trichloropropane
 Concen: 23.657 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

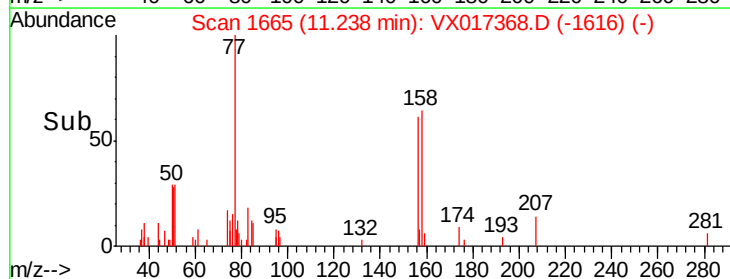
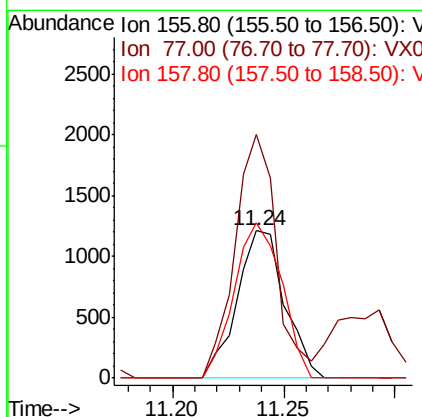
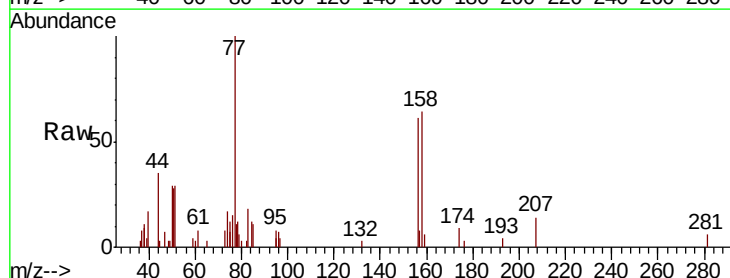
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

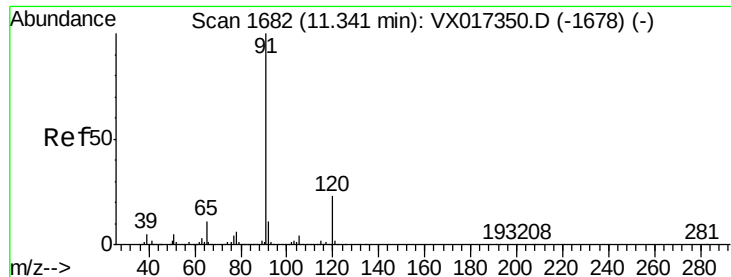
Tot Ion: 75 Resp: 91327
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.3 60.9#



#77
 Bromobenzene
 Concen: 0.484 ug/l
 RT: 11.24 min Scan# 1665
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion: 156 Resp: 1804
 Ion Ratio Lower Upper
 156 100
 77 144.4 72.1 216.3
 158 105.0 47.4 142.3





#78

n-propylbenzene

Concen: 0.426 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

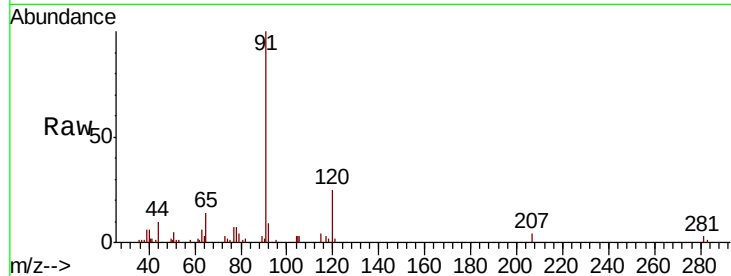
MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 6270

Ion Ratio Lower Upper

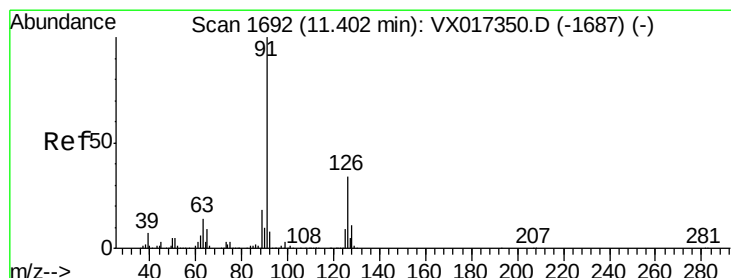
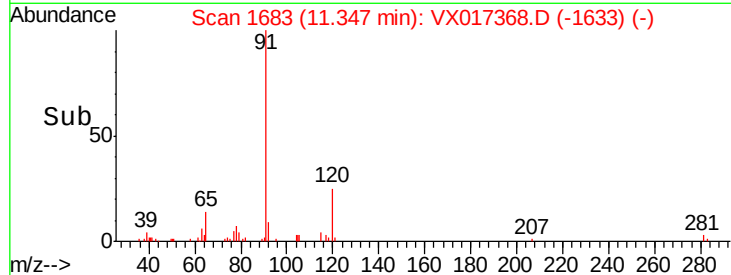
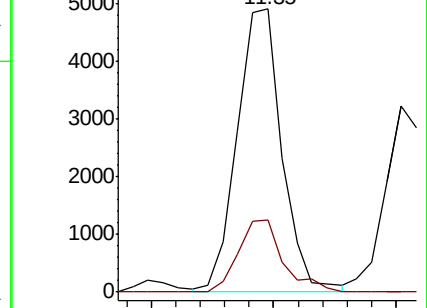
91 100

120 25.4 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: 0.446 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017368.D

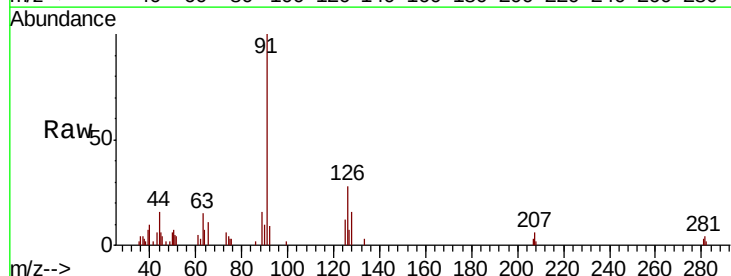
Acq: 14 Jul 2020 11:03

Tgt Ion: 91 Resp: 4046

Ion Ratio Lower Upper

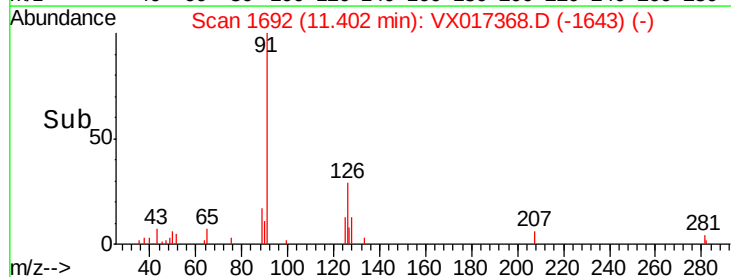
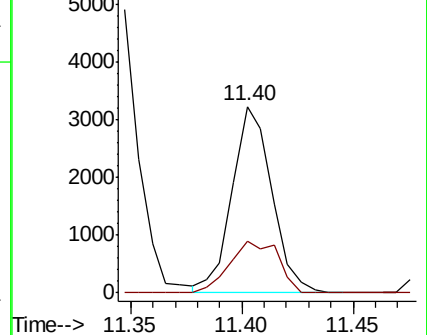
91 100

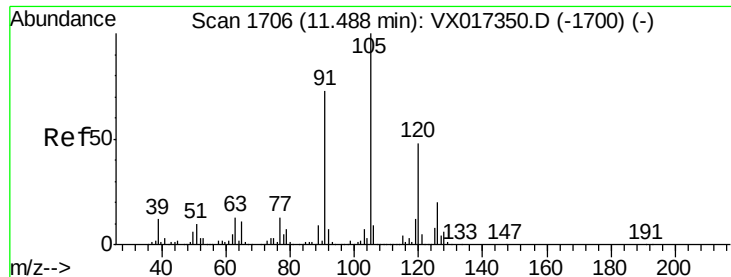
126 33.9 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.379 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

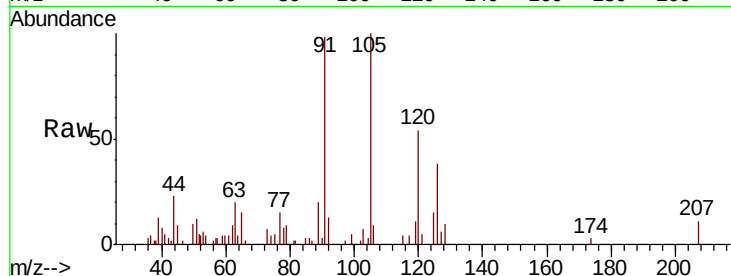
MDL-WATER-03-QT3-2020

Tot Ion:105 Resp: 4214

Ion Ratio Lower Upper

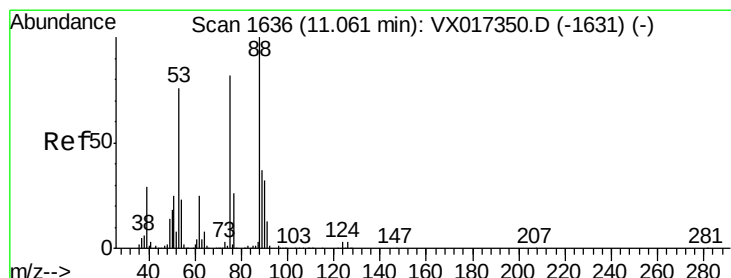
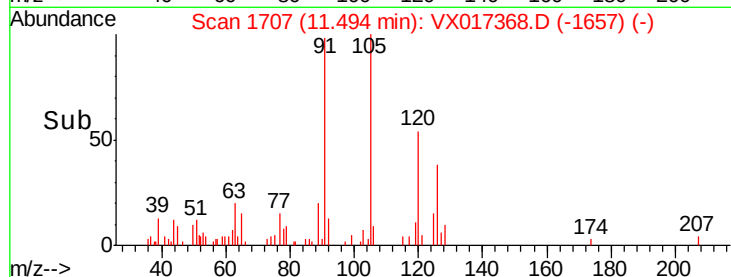
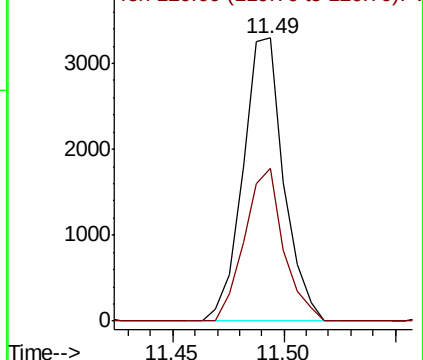
105 100

120 51.7 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 60.011 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

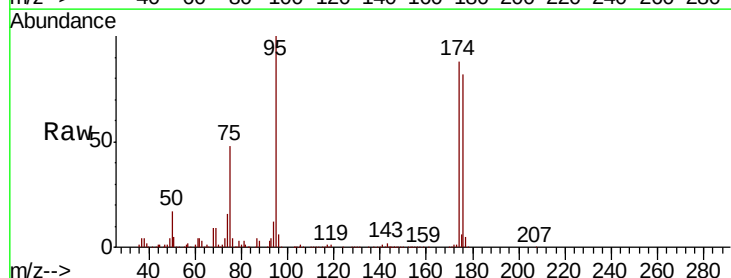
Tgt Ion: 75 Resp: 91327

Ion Ratio Lower Upper

75 100

53 0.4 76.5 114.7#

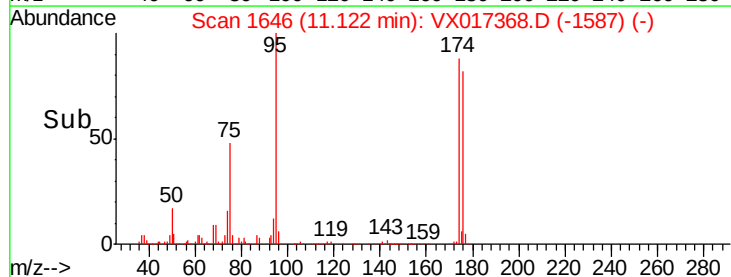
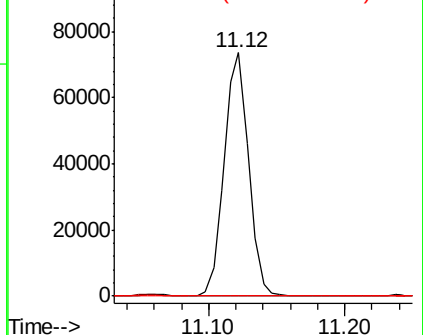
89 0.0 38.1 57.1#

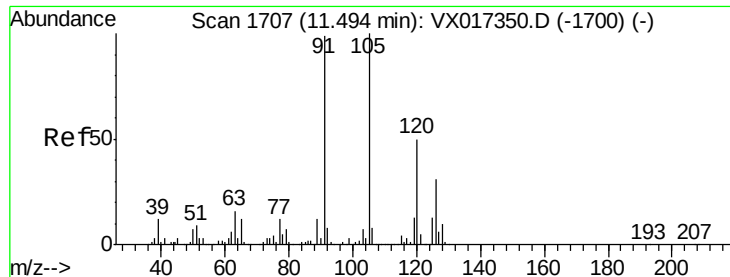


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 0.428 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

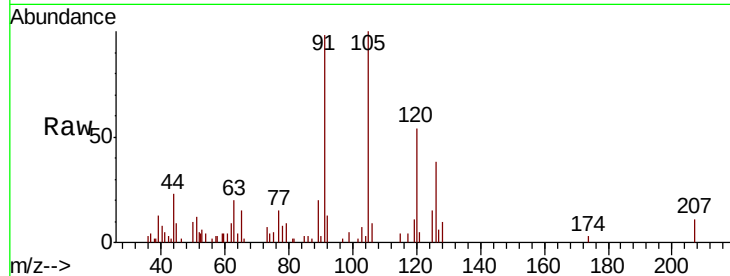
MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 4601

Ion Ratio Lower Upper

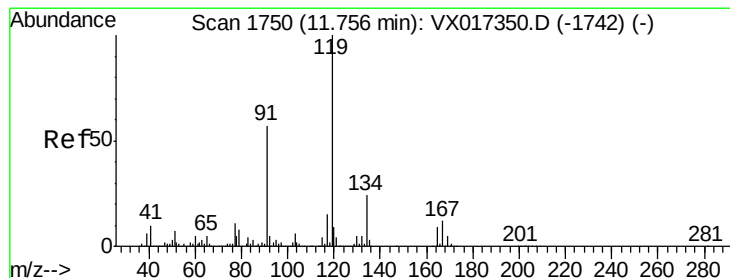
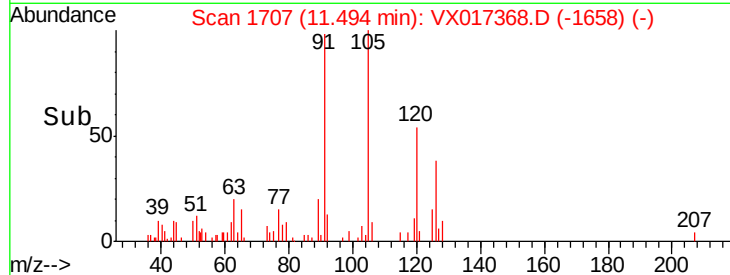
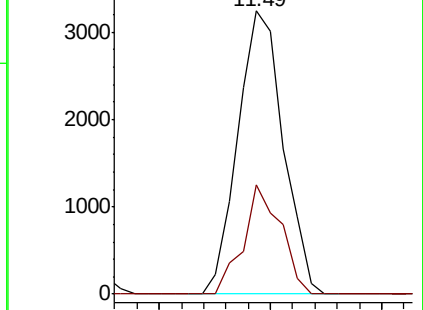
91 100

126 31.9 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX017350.D (-1700) (-)

Ion 125.90 (125.60 to 126.60): VX017350.D (-1700) (-)



#83

tert-Butylbenzene

Concen: 0.382 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

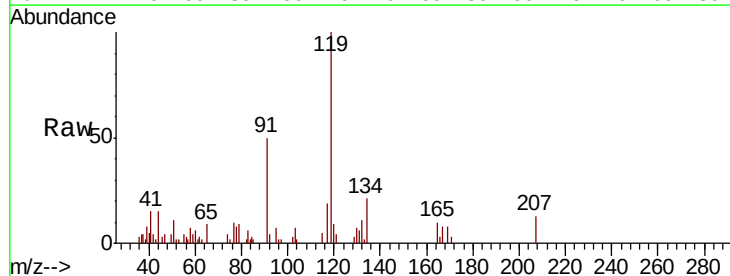
Tgt Ion: 119 Resp: 4103

Ion Ratio Lower Upper

119 100

91 57.2 28.5 85.6

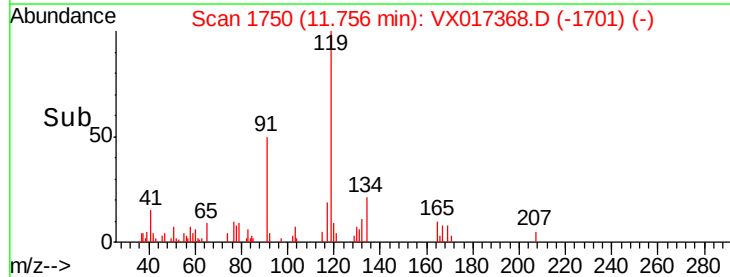
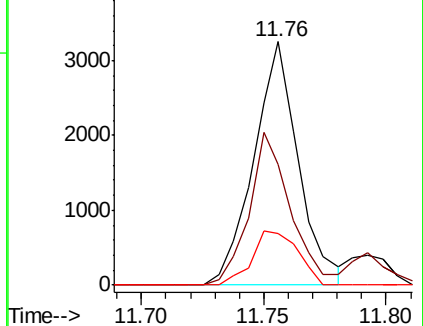
134 22.9 11.9 35.9

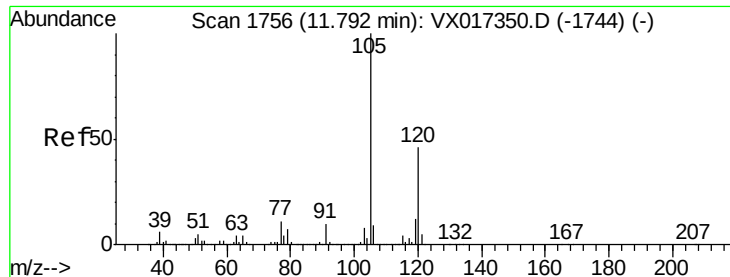


Abundance Ion 119.00 (118.70 to 119.70): VX017350.D (-1742) (-)

Ion 91.00 (90.70 to 91.70): VX017350.D (-1742) (-)

Ion 134.00 (133.70 to 134.70): VX017350.D (-1742) (-)

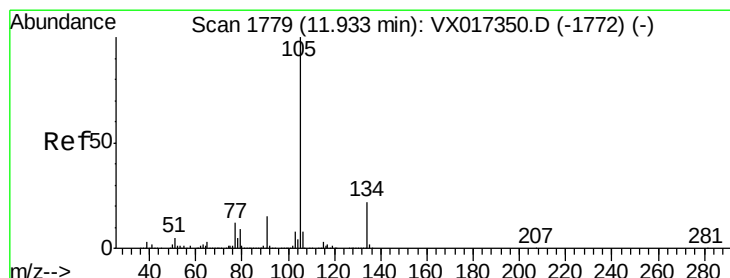
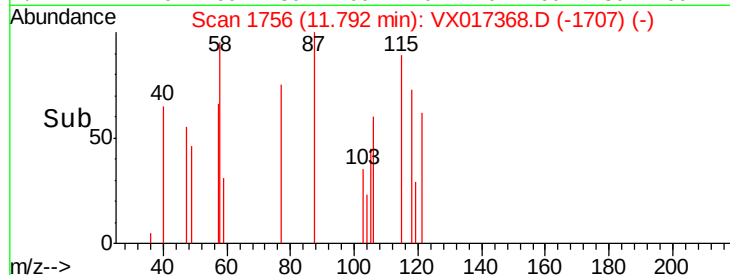
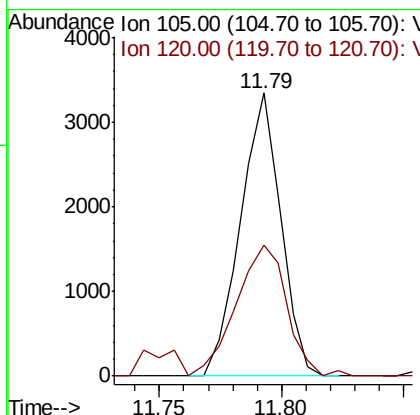
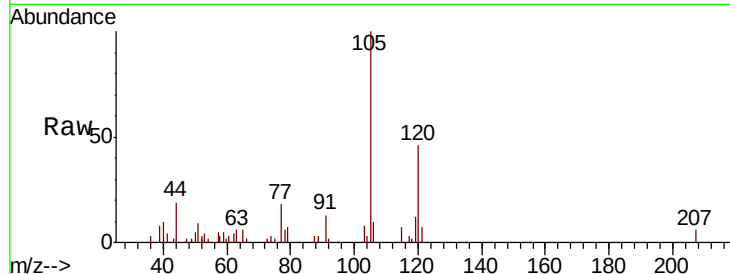




#84
 1,2,4-Trimethylbenzene
 Concen: 0.343 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

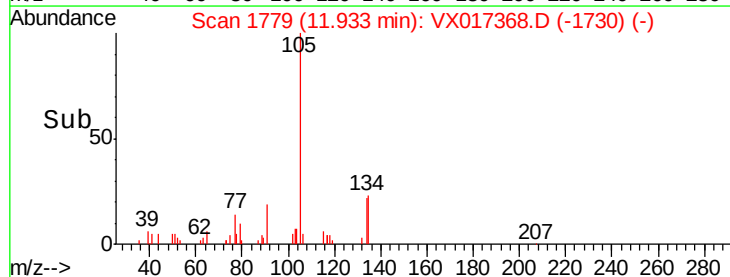
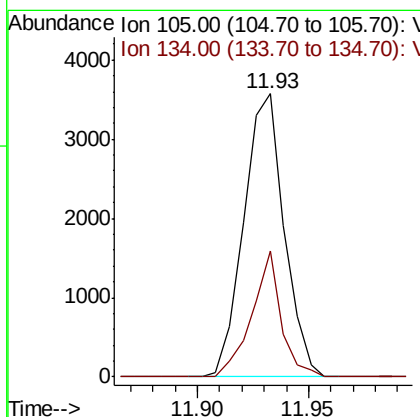
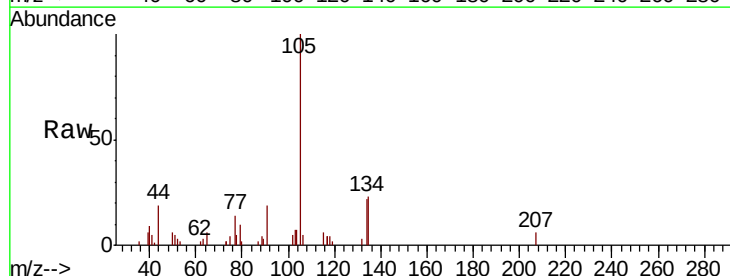
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

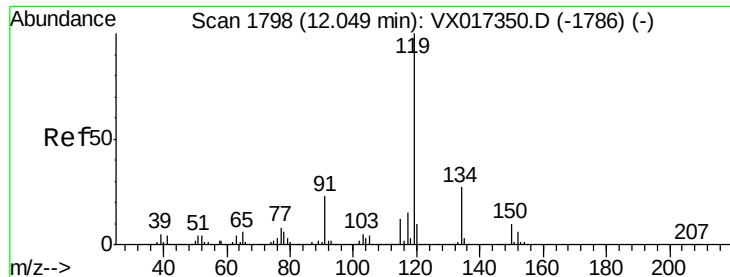
Tot Ion:105 Resp: 3852
 Ion Ratio Lower Upper
 105 100
 120 58.0 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 0.359 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion:105 Resp: 4522
 Ion Ratio Lower Upper
 105 100
 134 32.3 10.5 31.5#

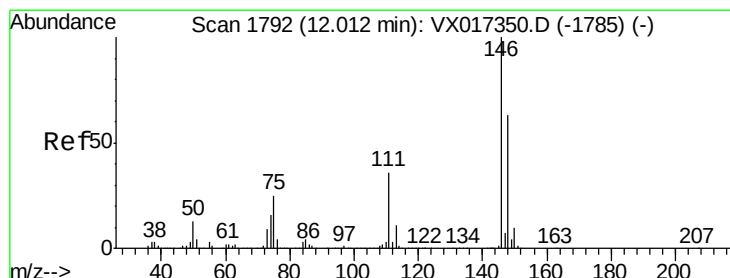
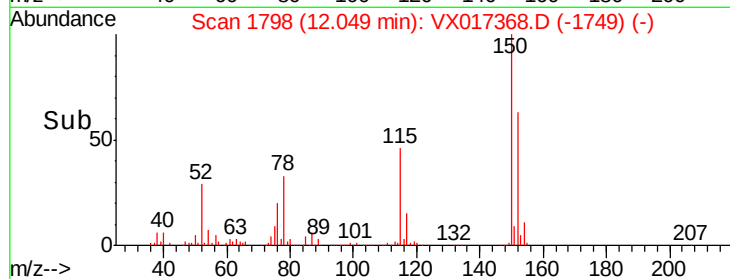
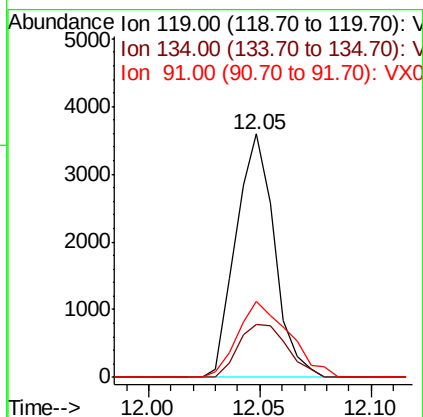
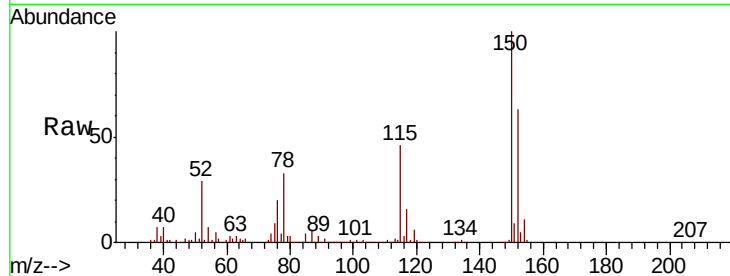




#86
 p-Isopropyltoluene
 Concen: 0.364 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

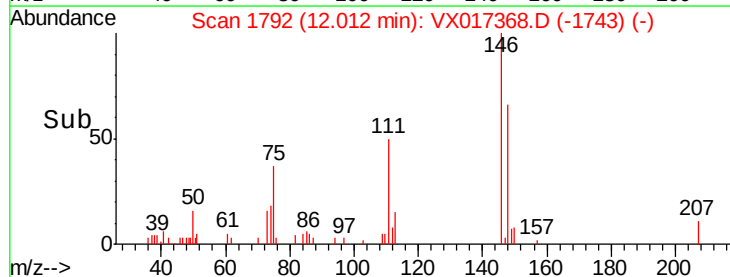
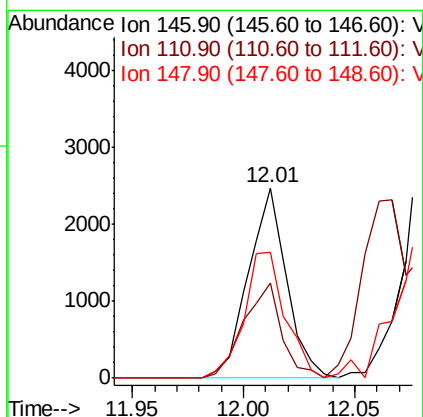
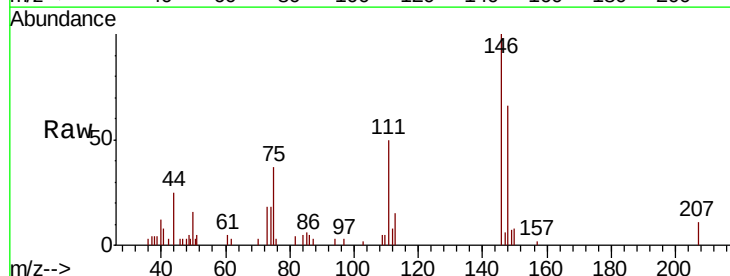
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

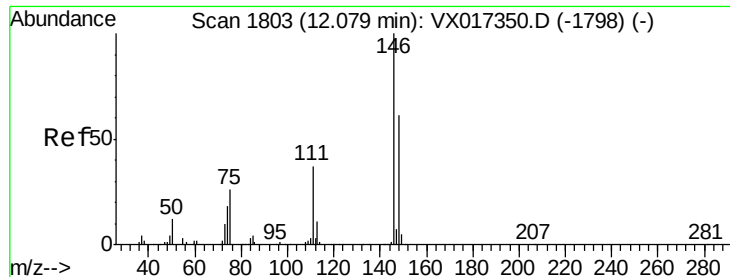
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.5	40.5
91	41.3	11.8	35.3#



#87
 1,3-Dichlorobenzene
 Concen: 0.444 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.5	19.2	57.6
148	70.8	31.6	95.0





#88

1,4-Dichlorobenzene

Concen: 0.440 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.07 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

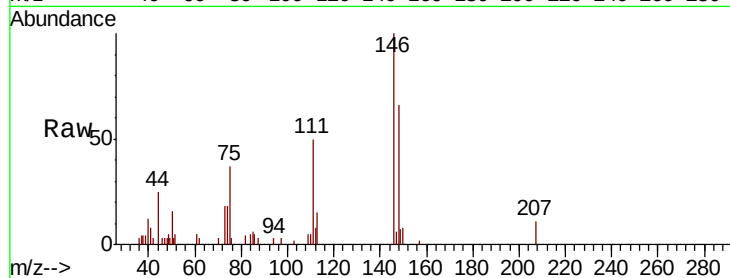
Tot Ion:146 Resp: 2963

Ion Ratio Lower Upper

146 100

111 49.5 18.9 56.9

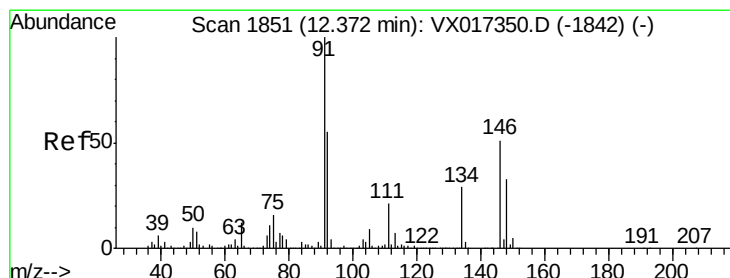
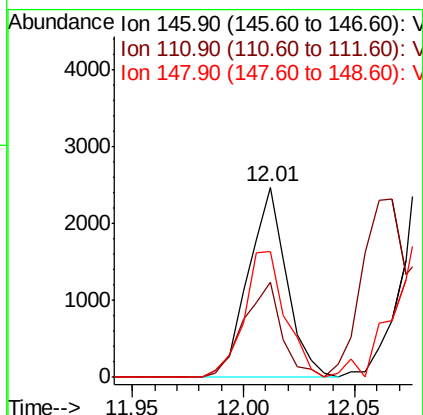
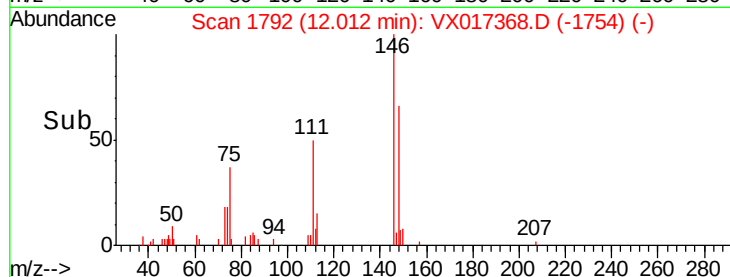
148 70.8 31.9 95.9



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: 0.430 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

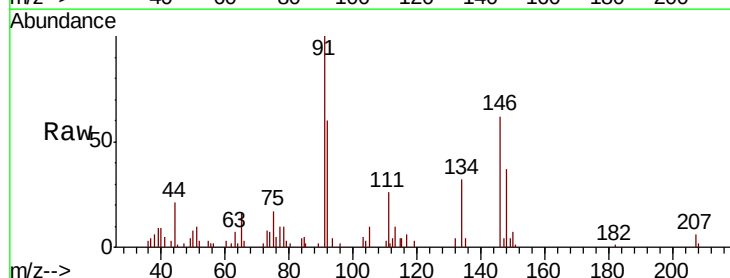
Tgt Ion: 91 Resp: 4366

Ion Ratio Lower Upper

91 100

92 54.6 27.0 81.0

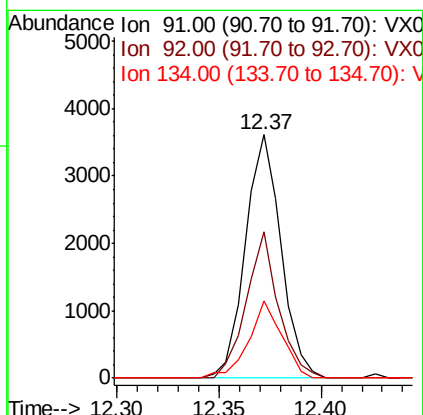
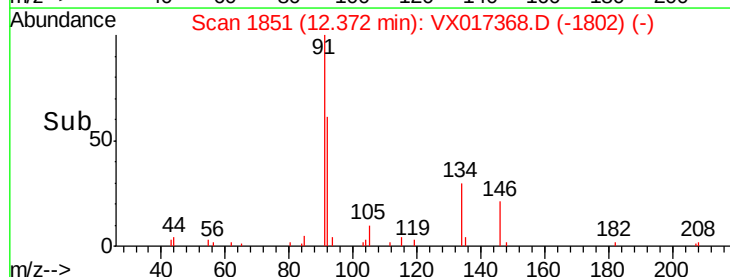
134 29.8 14.1 42.2

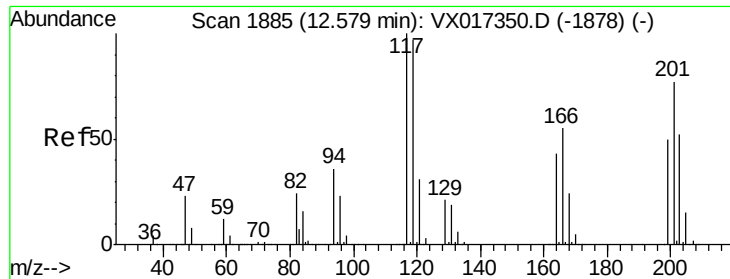


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.377 ug/l

RT: 12.59 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

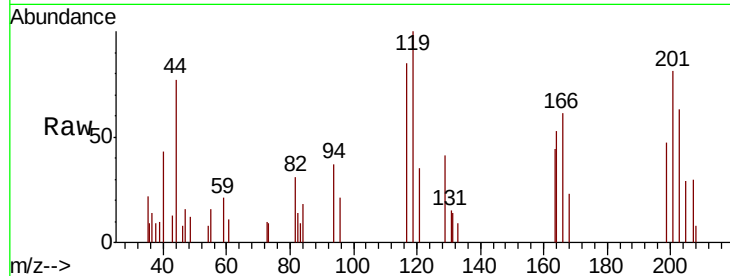
MDL-WATER-03-QT3-2020

Tot Ion:117 Resp: 853

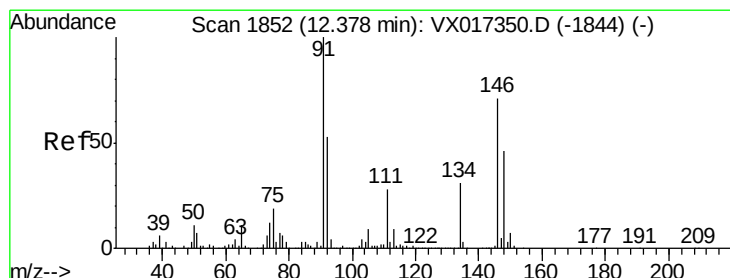
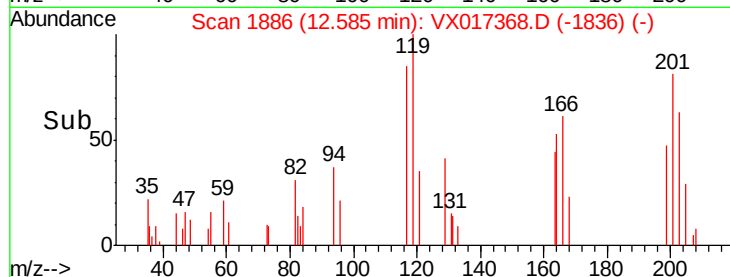
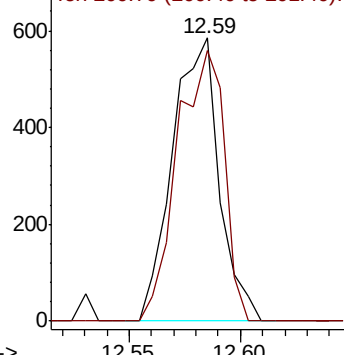
Ion Ratio Lower Upper

117 100

201 96.1 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: 0.516 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

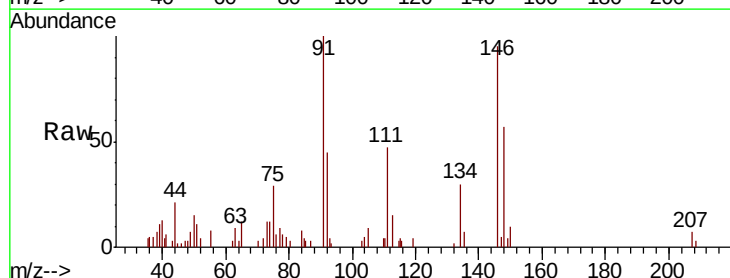
Tgt Ion:146 Resp: 3233

Ion Ratio Lower Upper

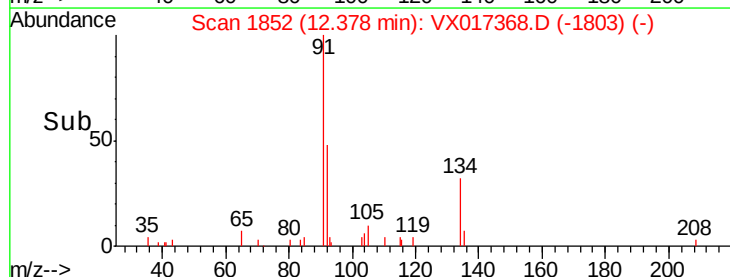
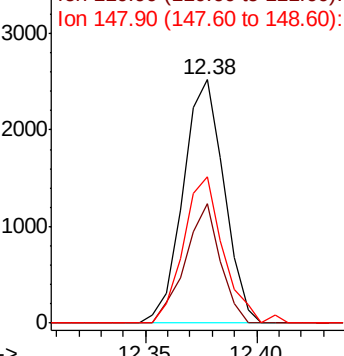
146 100

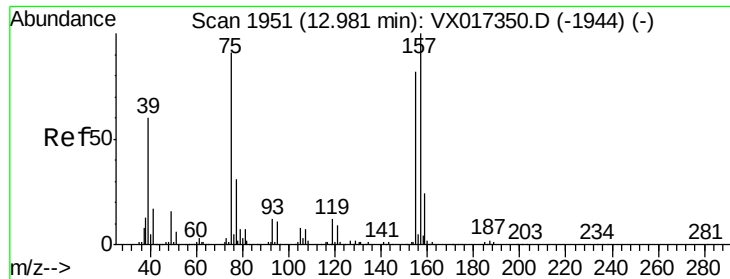
111 42.0 20.3 61.0

148 58.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.489 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

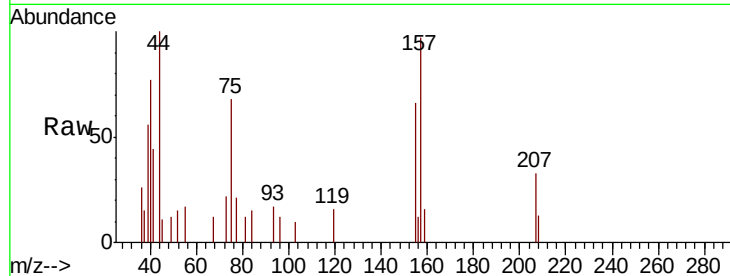
Tot Ion: 75 Resp: 513

Ion Ratio Lower Upper

75 100

155 87.3 46.5 139.3

157 126.1 58.0 173.9

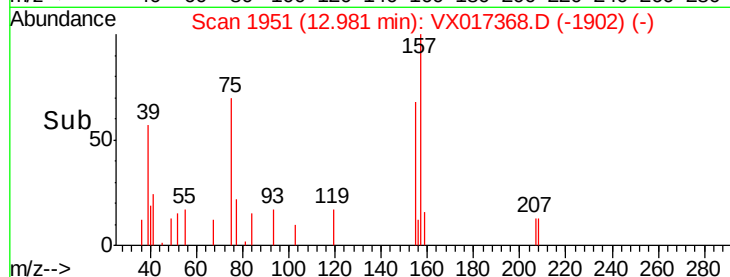


Abundance Ion 74.90 (74.60 to 75.60): VX017350.D (-1944) (-)

Ion 154.80 (154.50 to 155.50): VX017350.D (-1944) (-)

Ion 156.80 (156.50 to 157.50): VX017350.D (-1944) (-)

Time-->

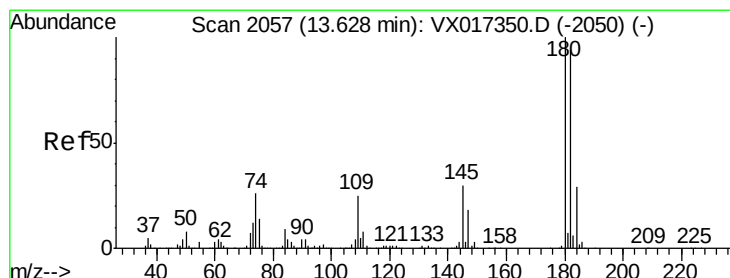


Abundance Ion 74.90 (74.60 to 75.60): VX017368.D (-1902) (-)

Ion 154.80 (154.50 to 155.50): VX017368.D (-1902) (-)

Ion 156.80 (156.50 to 157.50): VX017368.D (-1902) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.481 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

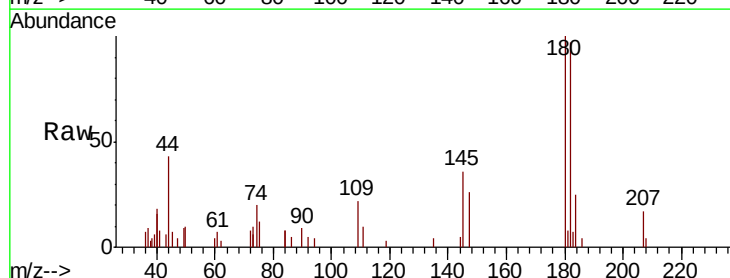
Tgt Ion: 180 Resp: 2093

Ion Ratio Lower Upper

180 100

182 91.9 48.4 145.0

145 36.4 15.3 45.8

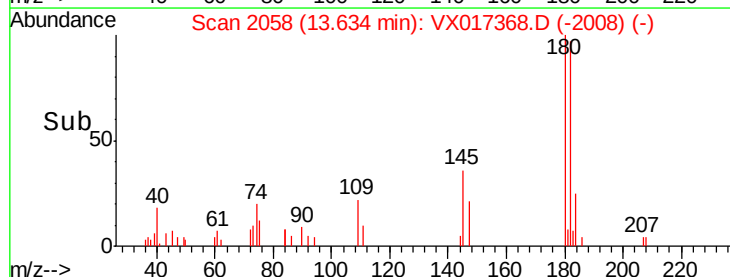


Abundance Ion 179.80 (179.50 to 180.50): VX017350.D (-2050) (-)

Ion 181.80 (181.50 to 182.50): VX017350.D (-2050) (-)

Ion 144.80 (144.50 to 145.50): VX017350.D (-2050) (-)

Time-->

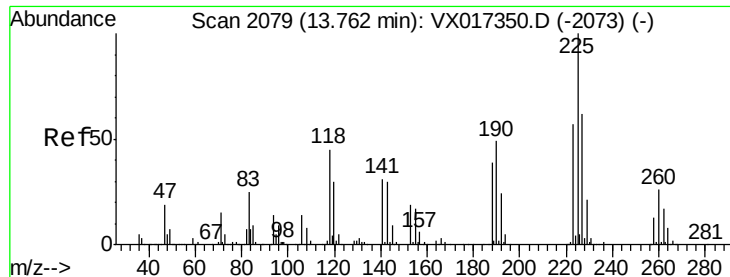


Abundance Ion 179.80 (179.50 to 180.50): VX017368.D (-2008) (-)

Ion 181.80 (181.50 to 182.50): VX017368.D (-2008) (-)

Ion 144.80 (144.50 to 145.50): VX017368.D (-2008) (-)

Time-->



#94

Hexachlorobutadiene

Concen: 0.657 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

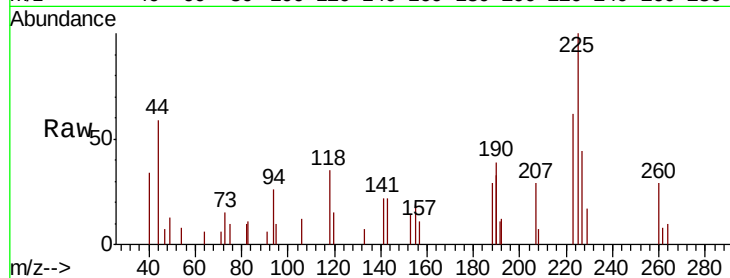
Tot Ion:225 Resp: 1167

Ion Ratio Lower Upper

225 100

223 77.7 31.3 93.8

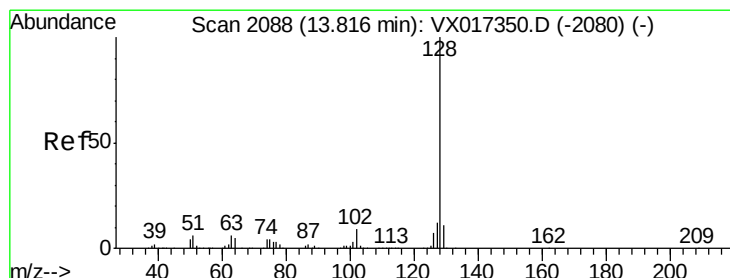
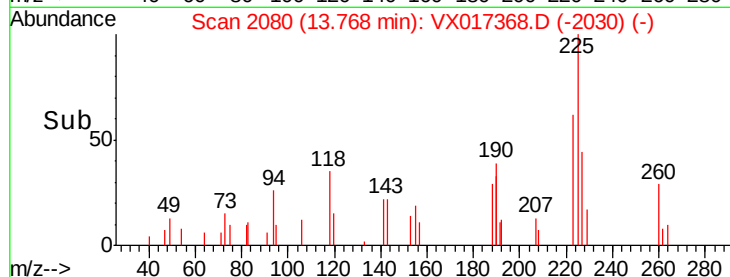
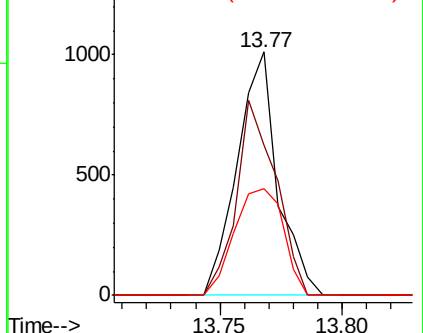
227 53.1 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.351 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

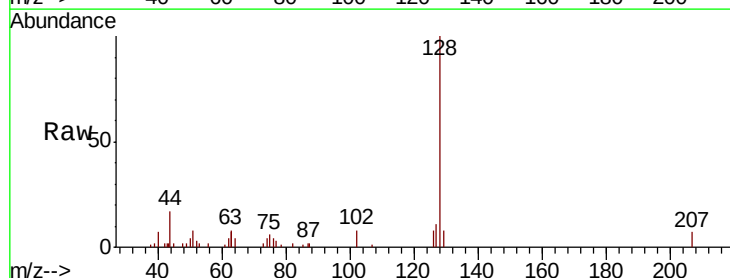
Tgt Ion:128 Resp: 4490

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

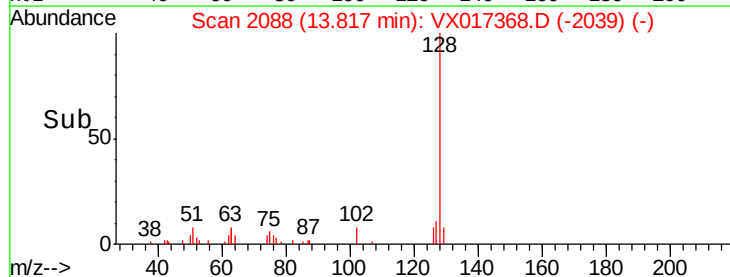
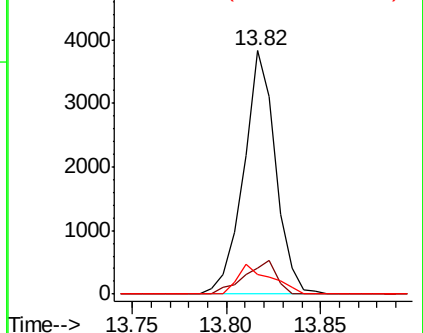
129 12.7 8.9 13.3

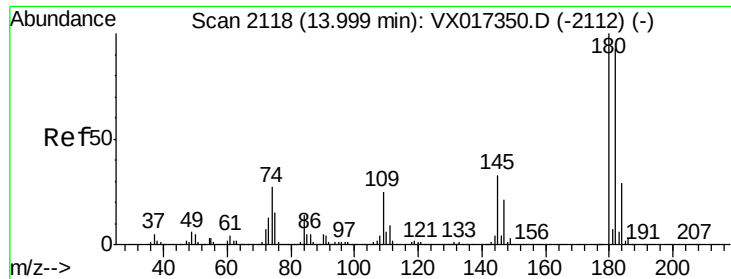


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

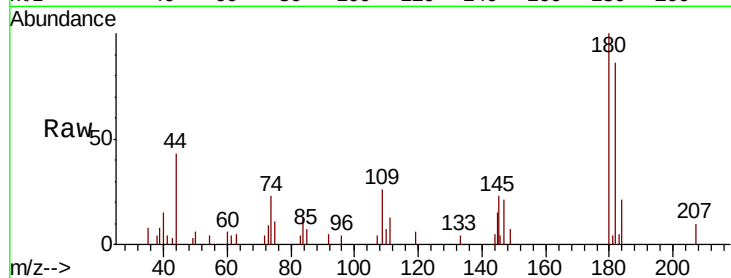




#96
 1,2,3-Trichlorobenzene
 Concen: 0.450 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.8	146.3
145	36.9	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

