

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019017.D
 Acq On : 22 Oct 2020 11:31
 Operator : JC/SP
 Sample : L4214-07 .5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Quant Time: Oct 23 10:01:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 09:59:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	220713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	368688	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	339540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	162885	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	154015	58.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.52%	
35) Dibromofluoromethane	5.46	113	131305	56.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.50%	
50) Toluene-d8	8.70	98	505734	56.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.56%	
62) 4-Bromofluorobenzene	11.12	95	176604	55.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	737	0.335	ug/l	90
3) Chloromethane	1.31	50	926	0.424	ug/l #	80
4) Vinyl Chloride	1.39	62	872	0.338	ug/l #	71
5) Bromomethane	1.64	94	1595	0.606	ug/l	100
6) Chloroethane	1.71	64	651	0.404	ug/l	97
7) Trichlorofluoromethane	1.92	101	1416	0.325	ug/l	93
8) Diethyl Ether	2.17	74	606	0.355	ug/l #	24
9) 1,1,2-Trichlorotrifluoroet	2.37	101	766	0.371	ug/l	92
10) Methyl Iodide	2.49	142	1071	0.411	ug/l #	93
11) Tert butyl alcohol	3.04	59	1253	2.340	ug/l #	77
12) 1,1-Dichloroethene	2.36	96	702	0.327	ug/l #	77
13) Acrolein	2.28	56	832	3.922	ug/l #	68
14) Allyl chloride	2.71	41	870	0.313	ug/l #	68
15) Acrylonitrile	3.12	53	1815	1.753	ug/l	97
16) Acetone	2.43	43	1837	2.040	ug/l	95
17) Carbon Disulfide	2.56	76	2570	0.415	ug/l #	90
18) Methyl Acetate	2.76	43	916	0.410	ug/l #	87
19) Methyl tert-butyl Ether	3.17	73	2173	0.319	ug/l #	91
20) Methylene Chloride	2.84	84	1310	0.523	ug/l #	82
21) trans-1,2-Dichloroethene	3.15	96	929	0.371	ug/l #	75
22) Diisopropyl ether	3.82	45	1585	0.289	ug/l #	42
23) Vinyl Acetate	3.79	43	8346	1.604	ug/l #	86
24) 1,1-Dichloroethane	3.67	63	1184	0.297	ug/l #	92
25) 2-Butanone	4.65	43	2861	2.011	ug/l	94
26) 2,2-Dichloropropane	4.55	77	1191	0.323	ug/l	89
27) cis-1,2-Dichloroethene	4.57	96	1078	0.379	ug/l	92
28) Bromochloromethane	4.99	49	500	0.295	ug/l #	84
29) Tetrahydrofuran	5.10	42	1863	2.191	ug/l #	75
30) Chloroform	5.18	83	1448	0.334	ug/l	94
31) Cyclohexane	5.55	56	1081	0.349	ug/l #	78
32) 1,1,1-Trichloroethane	5.48	97	1285	0.327	ug/l #	49
36) 1,1-Dichloropropene	5.78	75	1393	0.421	ug/l #	87
37) Ethyl Acetate	4.81	43	1074	0.380	ug/l #	74
38) Carbon Tetrachloride	5.76	117	1143	0.329	ug/l #	82

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 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 09:59:01 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	1427	0.385	ug/l	97
40) Benzene	6.12	78	3269	0.336	ug/l	95
41) Methacrylonitrile	5.02	41	641	0.423	ug/l #	60
42) 1,2-Dichloroethane	6.17	62	1414	0.425	ug/l	91
43) Isopropyl Acetate	6.42	43	1816	0.380	ug/l #	87
44) Trichloroethene	7.20	130	1003	0.353	ug/l	87
45) 1,2-Dichloropropane	7.49	63	732	0.313	ug/l	100
46) Dibromomethane	7.64	93	554	0.311	ug/l	95
47) Bromodichloromethane	7.87	83	1112	0.319	ug/l #	70
48) Methyl methacrylate	7.76	41	1137	0.483	ug/l #	76
49) 1,4-Dioxane	7.76	88	375	7.044	ug/l #	62
51) 4-Methyl-2-Pentanone	8.62	43	4414	1.566	ug/l	95
52) Toluene	8.76	92	2130	0.331	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	1309	0.332	ug/l	92
54) cis-1,3-Dichloropropene	8.41	75	1210	0.291	ug/l #	92
55) 1,1,2-Trichloroethane	9.20	97	814	0.310	ug/l	89
56) Ethyl methacrylate	9.16	69	1071	0.284	ug/l #	36
57) 1,3-Dichloropropane	9.35	76	1335	0.321	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.29	63	3480	1.755	ug/l	96
59) 2-Hexanone	9.48	43	3220	1.533	ug/l	96
60) Dibromochloromethane	9.56	129	849	0.297	ug/l	99
61) 1,2-Dibromoethane	9.66	107	810	0.289	ug/l	100
64) Tetrachloroethene	9.32	164	1169	0.452	ug/l #	80
65) Chlorobenzene	10.12	112	2467	0.346	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	10.20	131	771	0.304	ug/l #	63
67) Ethyl Benzene	10.24	91	3649	0.297	ug/l	96
68) m/p-Xylenes	10.34	106	2894	0.615	ug/l	100
69) o-Xylene	10.68	106	1371	0.305	ug/l	95
70) Styrene	10.70	104	2187	0.286	ug/l #	93
71) Bromoform	10.85	173	570	0.279	ug/l #	97
73) Isopropylbenzene	11.00	105	3449	0.294	ug/l	99
74) N-amyl acetate	10.88	43	1317	0.351	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	1106	0.313	ug/l #	96
76) 1,2,3-Trichloropropane	11.12	75	87154	26.771	ug/l #	36
77) Bromobenzene	11.24	156	981	0.331	ug/l	86
78) n-propylbenzene	11.34	91	4078	0.307	ug/l	97
79) 2-Chlorotoluene	11.40	91	2485	0.321	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	2820	0.291	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	87154	68.205	ug/l #	15
82) 4-Chlorotoluene	11.49	91	3178	0.345	ug/l	98
83) tert-Butylbenzene	11.76	119	2814	0.295	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2928	0.302	ug/l	95
85) sec-Butylbenzene	11.93	105	3361	0.291	ug/l	99
86) p-Isopropyltoluene	12.05	119	3277	0.311	ug/l #	80
87) 1,3-Dichlorobenzene	12.01	146	1963	0.362	ug/l	96
88) 1,4-Dichlorobenzene	12.01	146	1963	0.352	ug/l	96
89) n-Butylbenzene	12.37	91	3324	0.345	ug/l	92
90) Hexachloroethane	12.58	117	418	0.259	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	1813	0.358	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	273	0.340	ug/l	81

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri Oct 23 09:59:01 2020
Response via : Initial Calibration

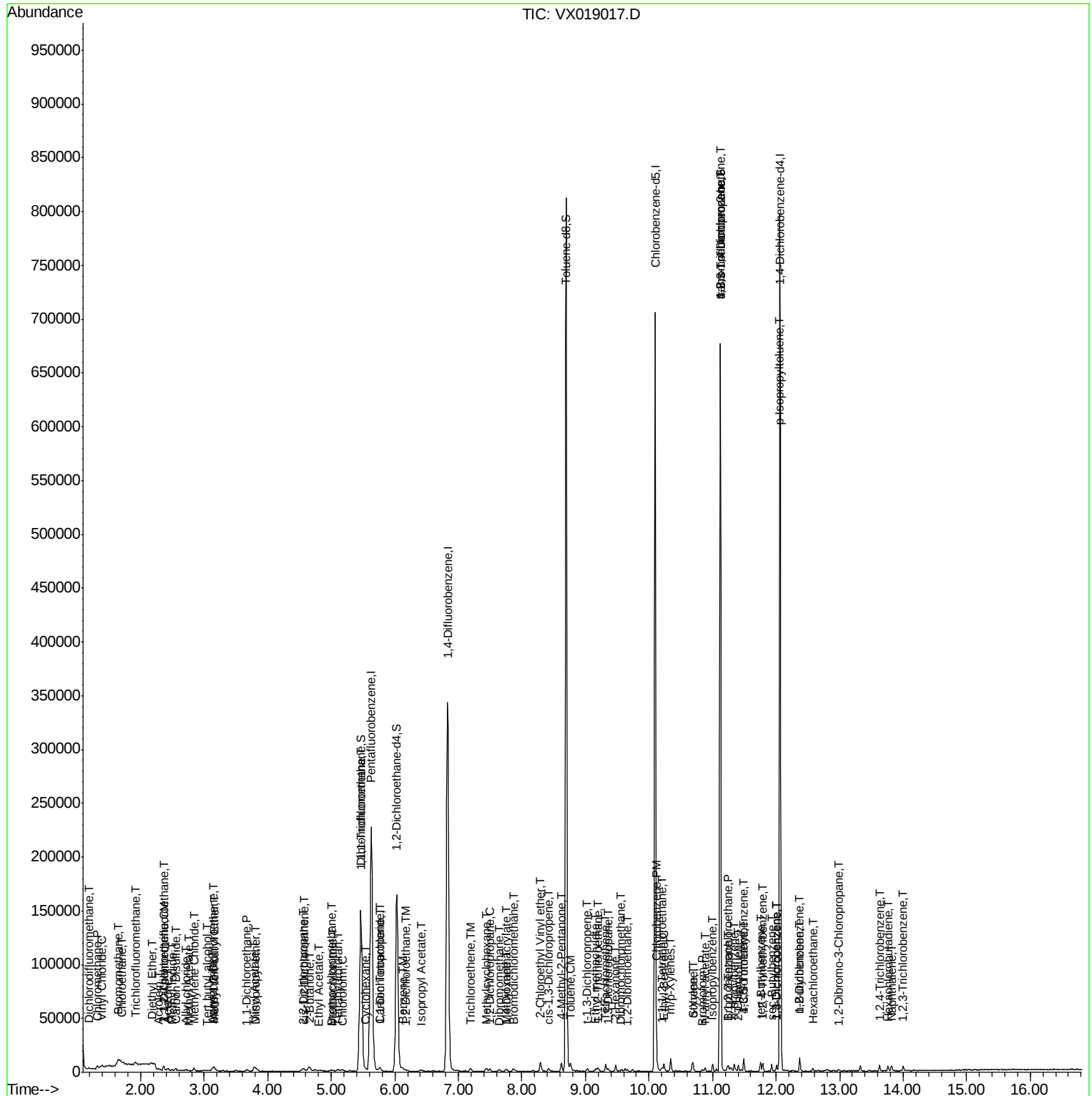
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1269	0.343	ug/l	90
94) Hexachlorobutadiene	13.76	225	557	0.324	ug/l	92
95) Naphthalene	13.82	128	3096	0.266	ug/l	97
96) 1,2,3-Trichlorobenzene	14.00	180	1155	0.320	ug/l	97

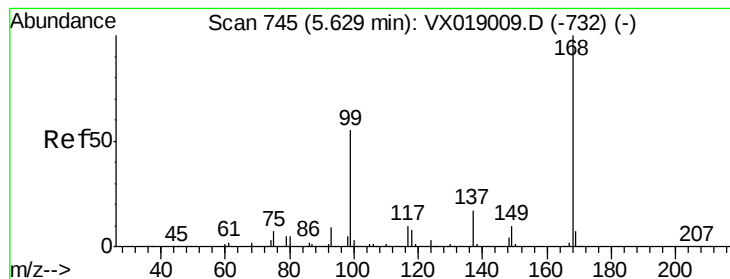
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 23 09:59:01 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

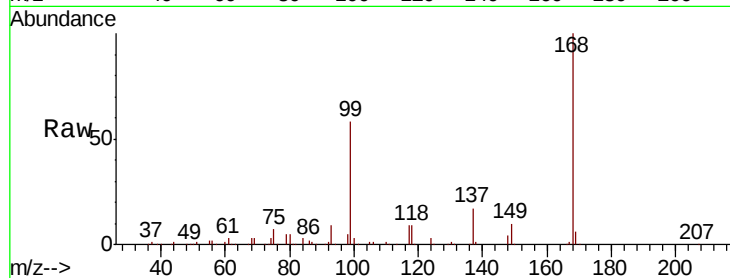
LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 220713

Ion Ratio Lower Upper

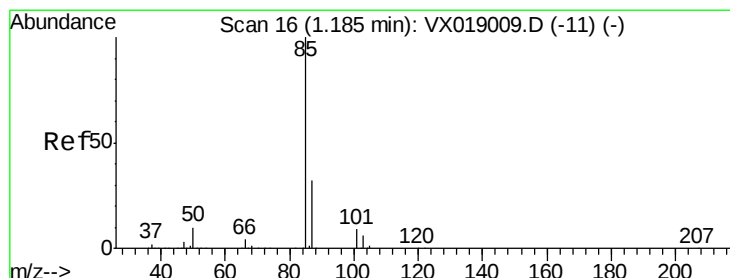
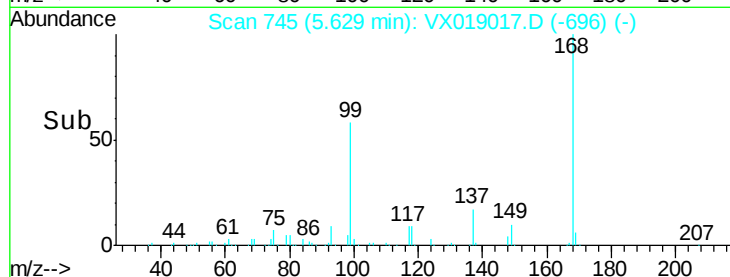
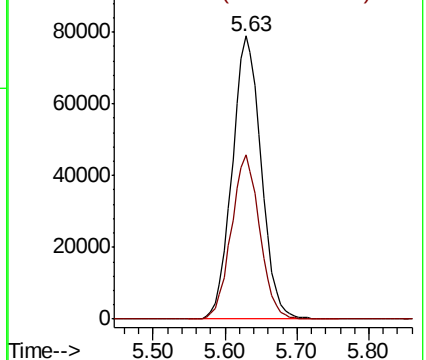
168 100

99 57.9 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.335 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019017.D

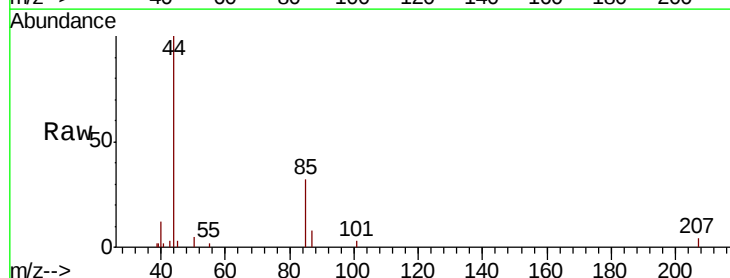
Acq: 22 Oct 2020 11:31

Tgt Ion: 85 Resp: 737

Ion Ratio Lower Upper

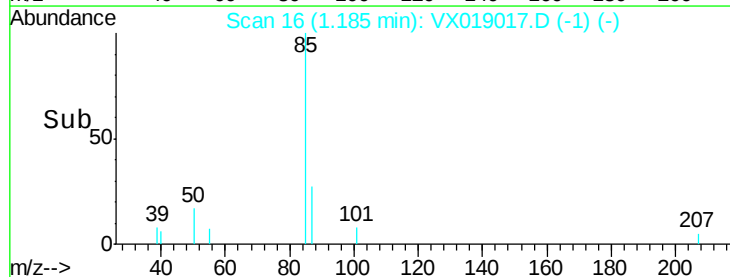
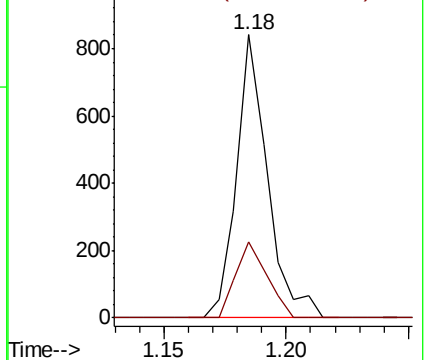
85 100

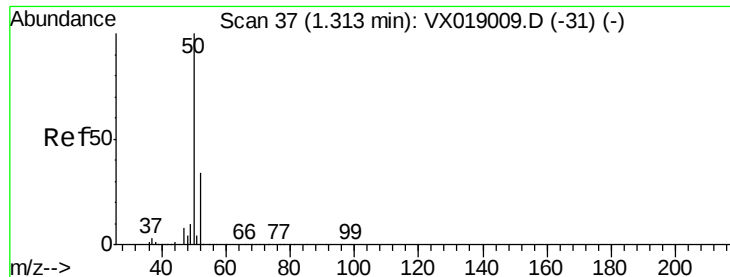
87 26.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.424 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

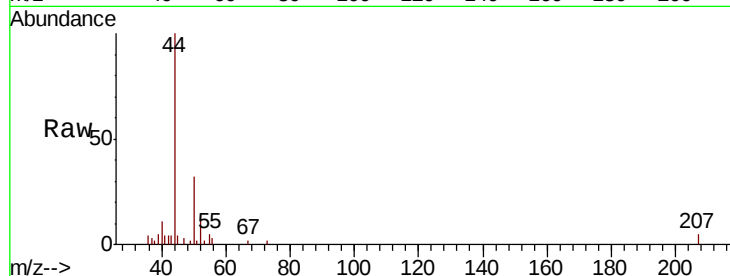
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 926

Ion Ratio Lower Upper

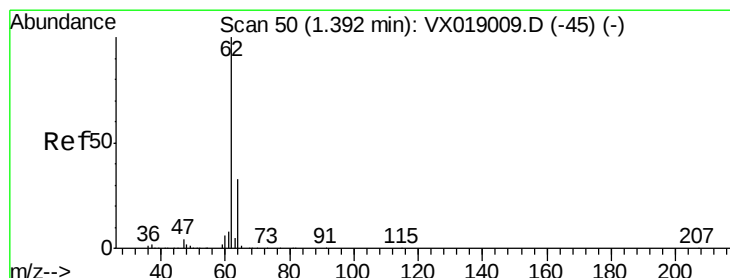
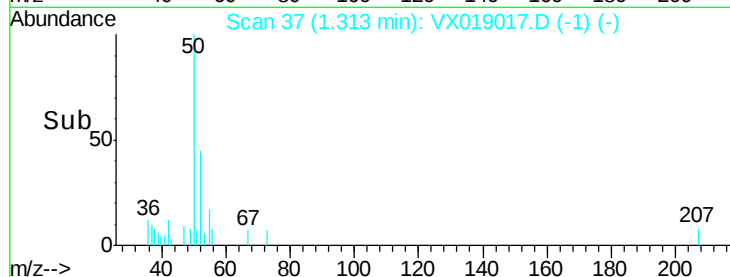
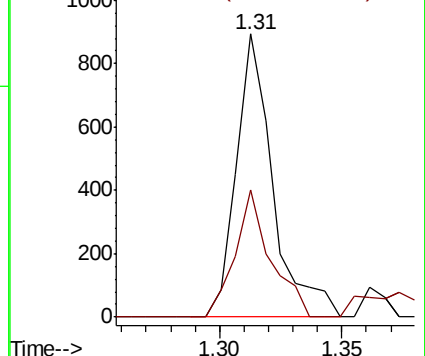
50 100

52 45.1 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.338 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019017.D

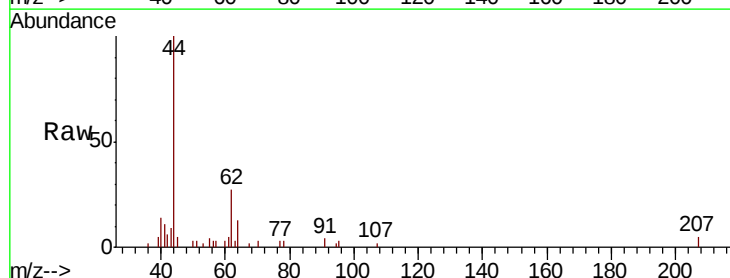
Acq: 22 Oct 2020 11:31

Tgt Ion: 62 Resp: 872

Ion Ratio Lower Upper

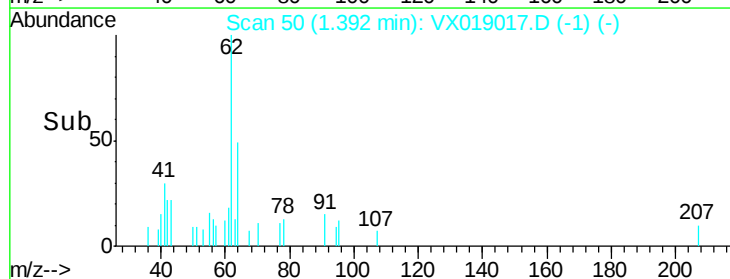
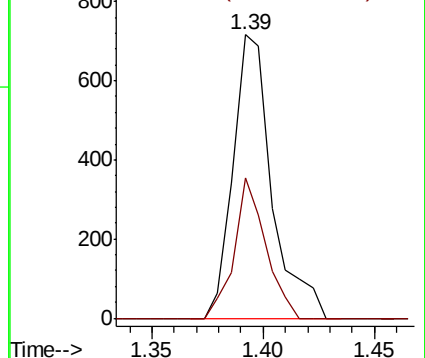
62 100

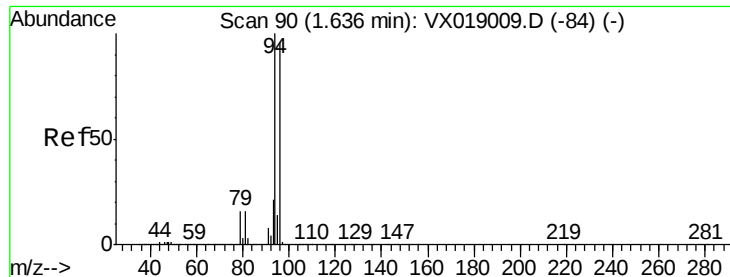
64 49.3 26.5 39.7#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.606 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

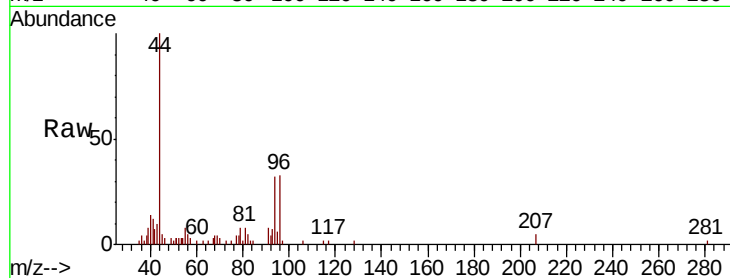
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 1595

Ion Ratio Lower Upper

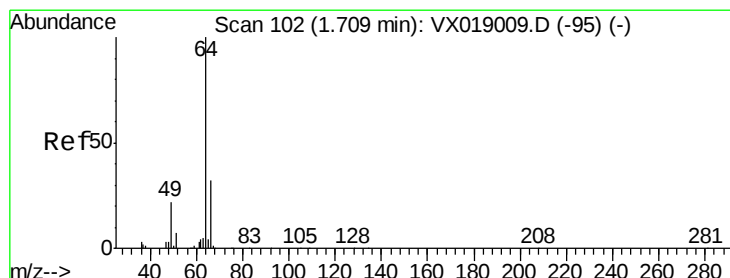
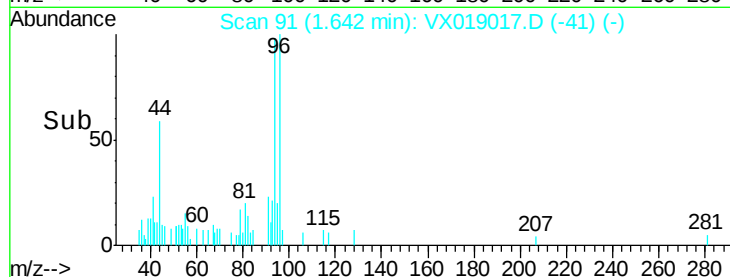
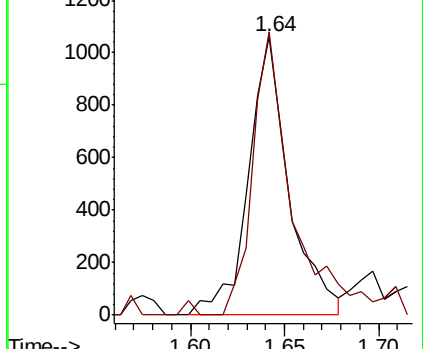
94 100

96 96.4 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.404 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019017.D

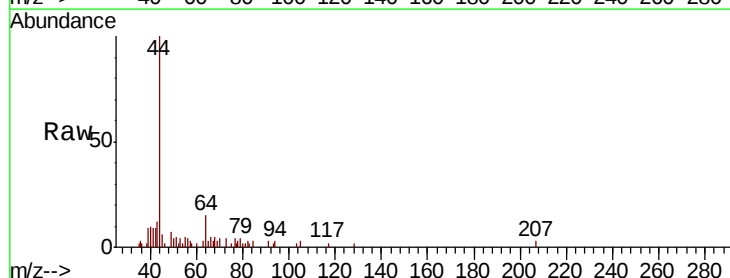
Acq: 22 Oct 2020 11:31

Tgt Ion: 64 Resp: 651

Ion Ratio Lower Upper

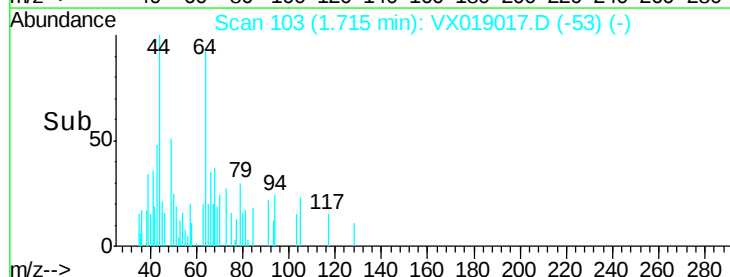
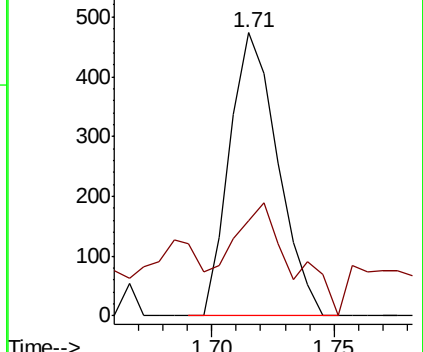
64 100

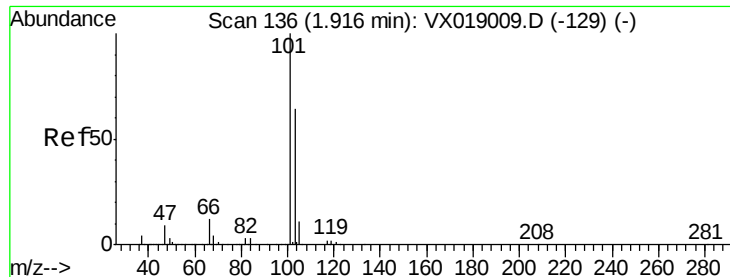
66 33.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



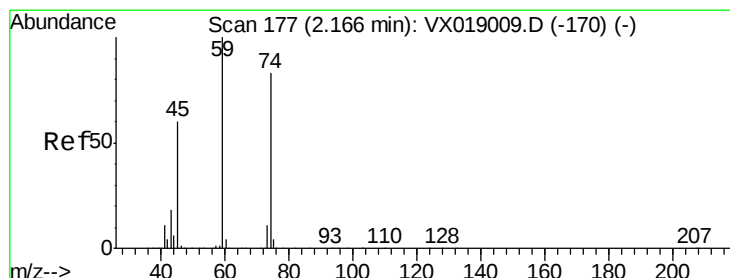
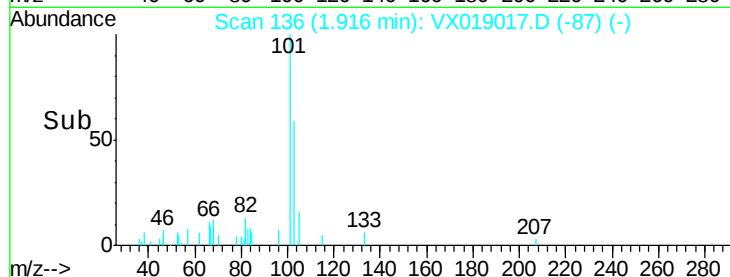
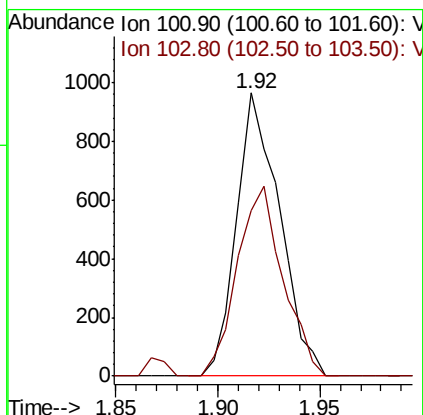
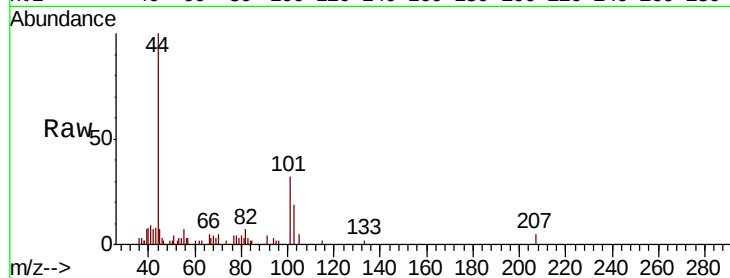


#7

Trichlorofluoromethane
Concen: 0.325 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Instrument :
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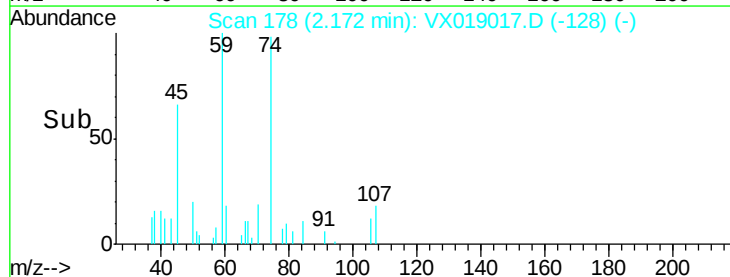
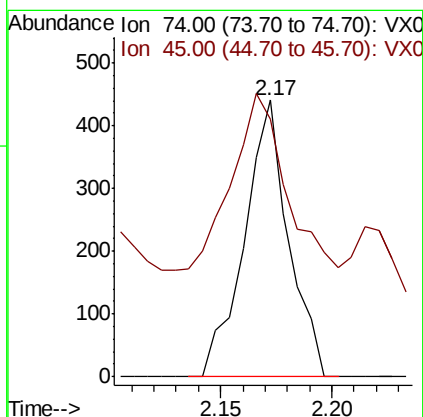
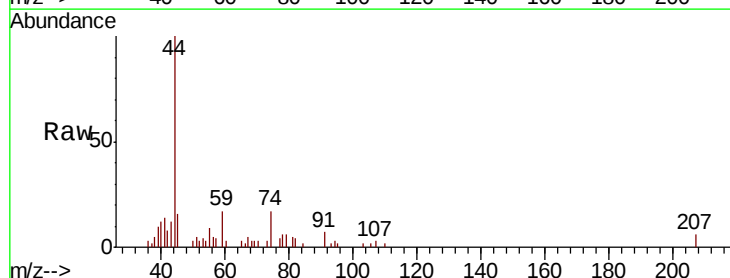
Tot Ion:101 Resp: 1416
Ion Ratio Lower Upper
101 100
103 58.7 51.2 76.8

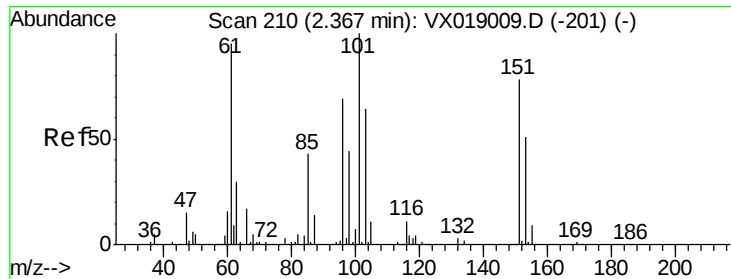


#8

Diethyl Ether
Concen: 0.355 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 74 Resp: 606
Ion Ratio Lower Upper
74 100
45 137.3 36.8 110.4#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.371 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

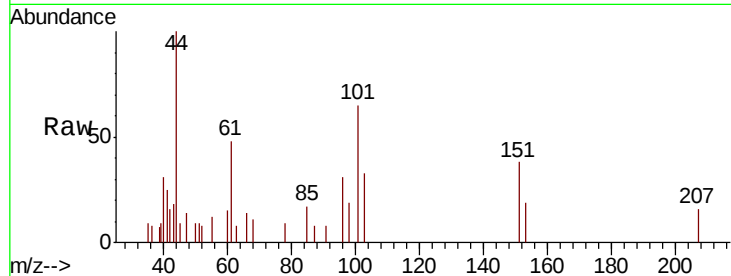
Tot Ion:101 Resp: 766

Ion Ratio Lower Upper

101 100

85 48.8 35.2 52.8

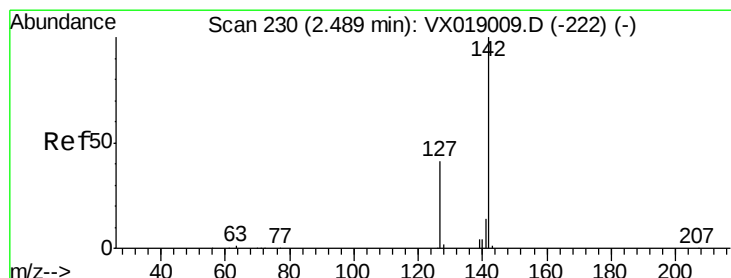
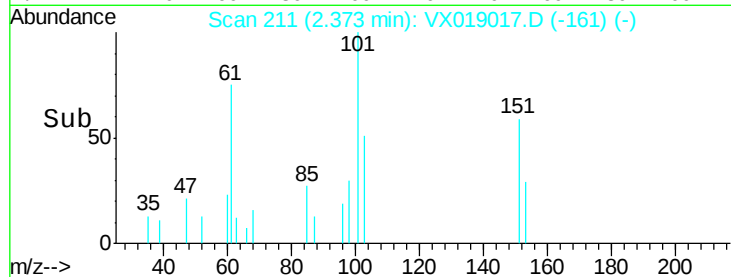
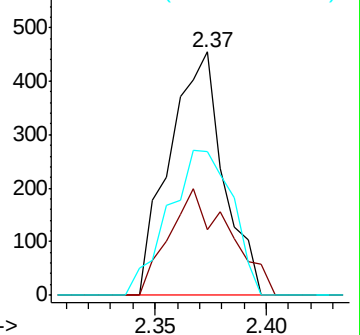
151 70.1 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.411 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

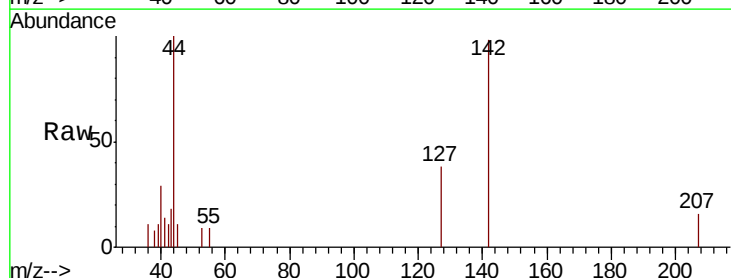
Tgt Ion:142 Resp: 1071

Ion Ratio Lower Upper

142 100

127 38.1 33.6 50.4

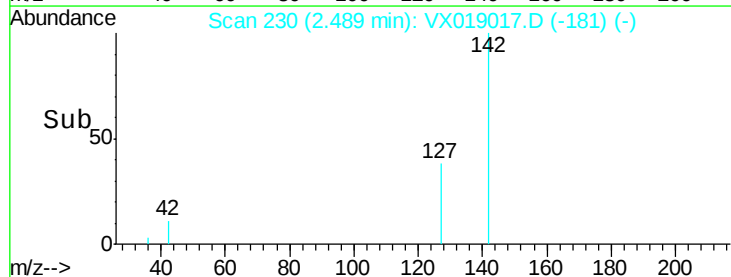
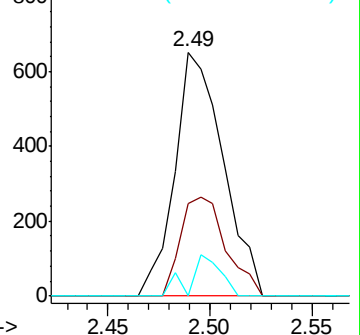
141 10.7 11.2 16.8#

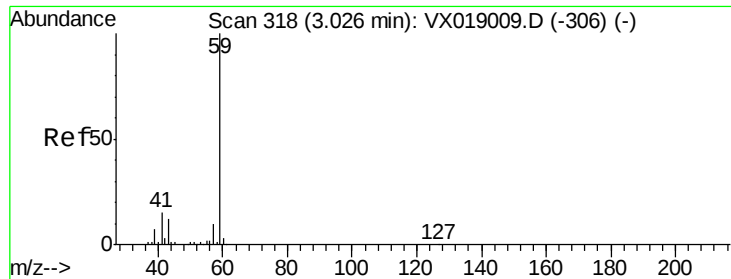


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

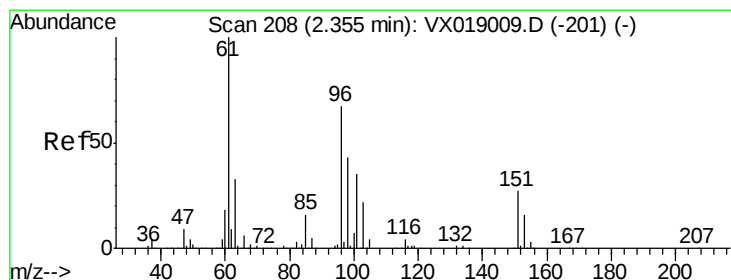
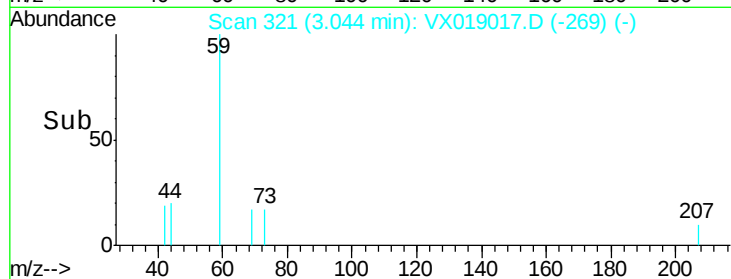
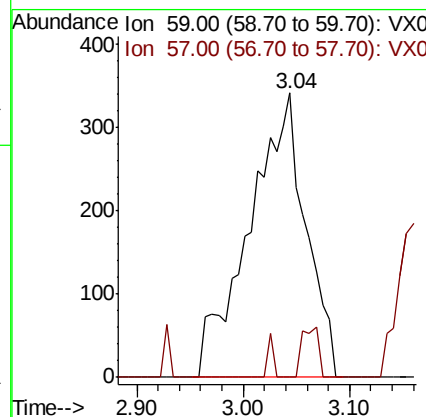
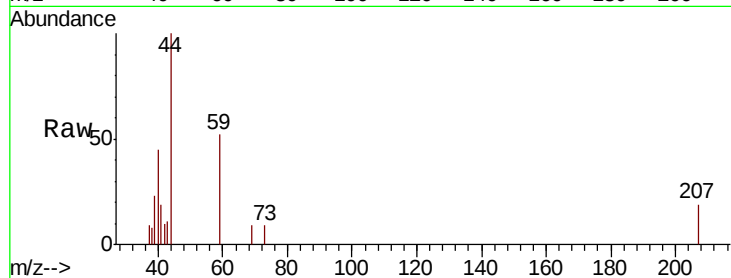




#11
Tert butyl alcohol
Concen: 2.340 ug/l
RT: 3.04 min Scan# 321
Delta R.T. 0.02 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

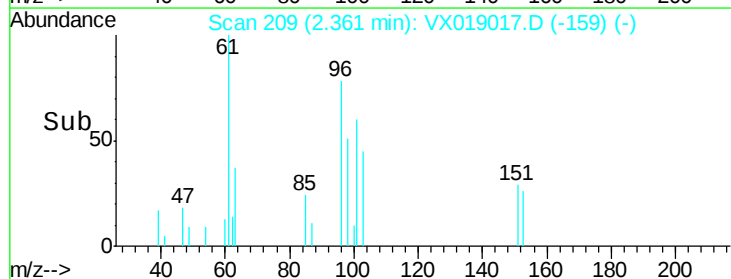
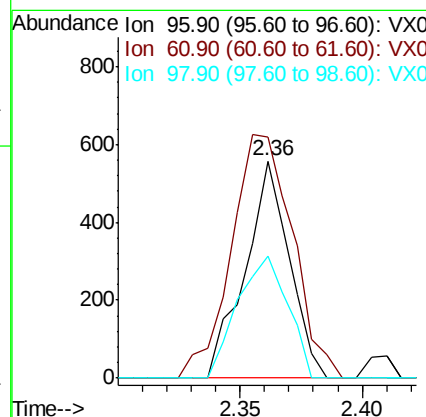
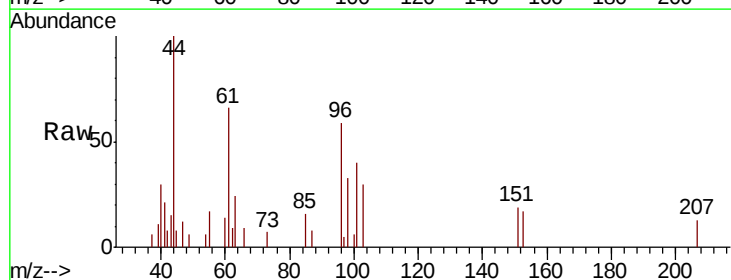
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

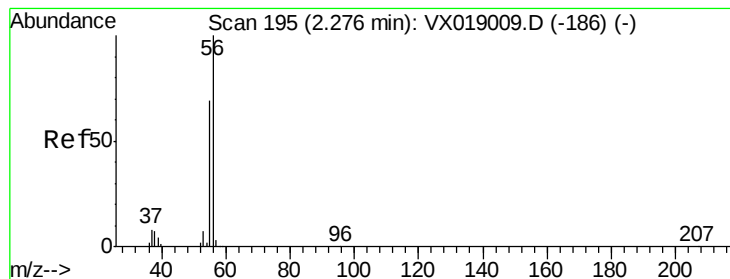
Tot Ion: 59 Resp: 1253
Ion Ratio Lower Upper
59 100
57 1.5 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.327 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 96 Resp: 702
Ion Ratio Lower Upper
96 100
61 111.5 119.0 178.6#
98 56.4 51.0 76.4





#13

Acrolein

Concen: 3.922 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

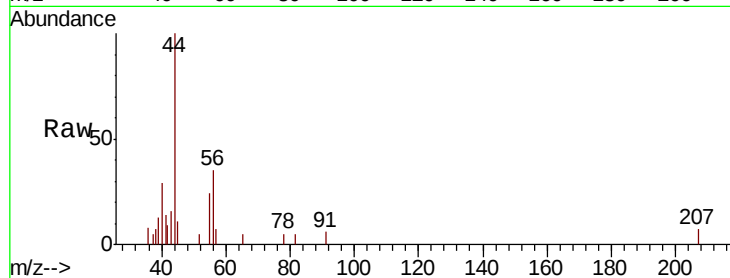
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 832

Ion Ratio Lower Upper

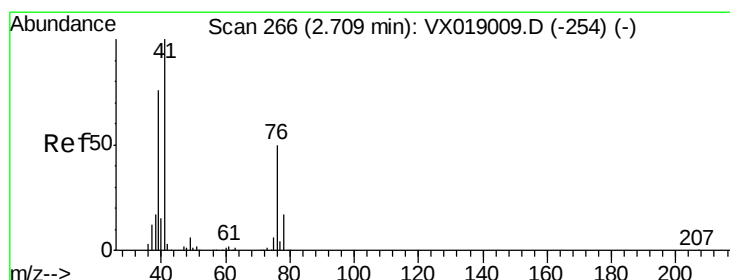
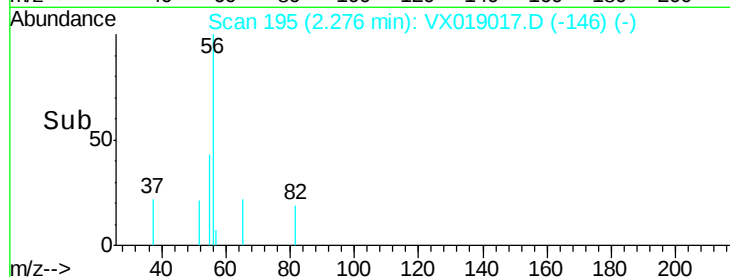
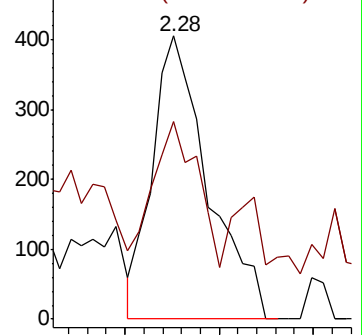
56 100

55 41.6 54.2 81.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.313 ug/l

RT: 2.71 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

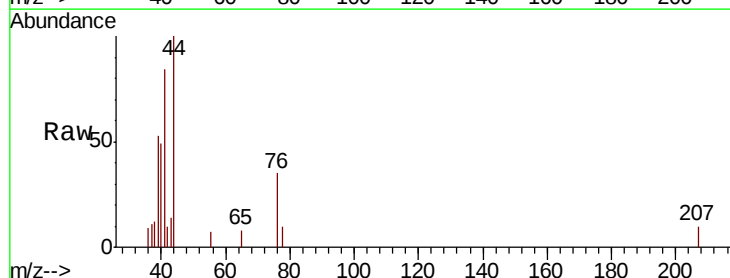
Tgt Ion: 41 Resp: 870

Ion Ratio Lower Upper

41 100

39 113.7 57.4 86.0#

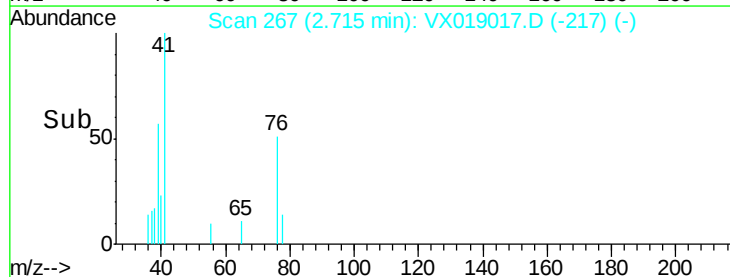
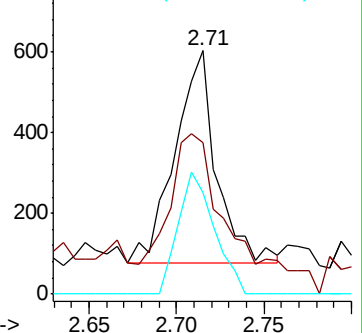
76 50.1 37.7 56.5

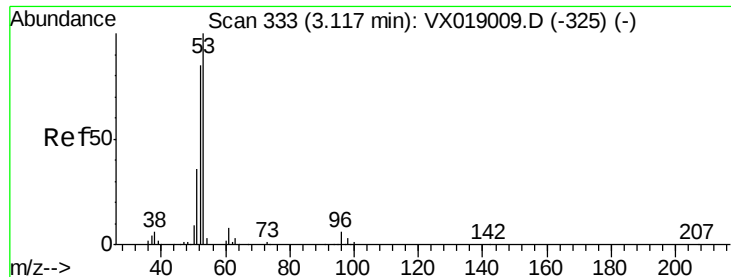


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 1.753 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

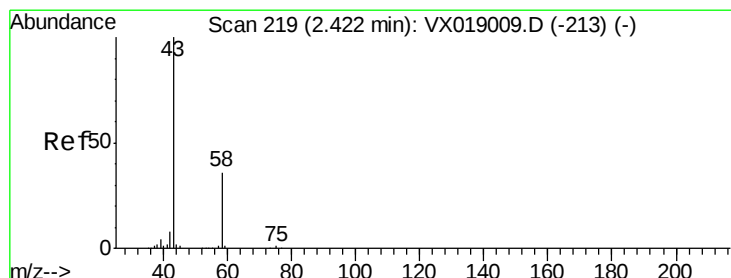
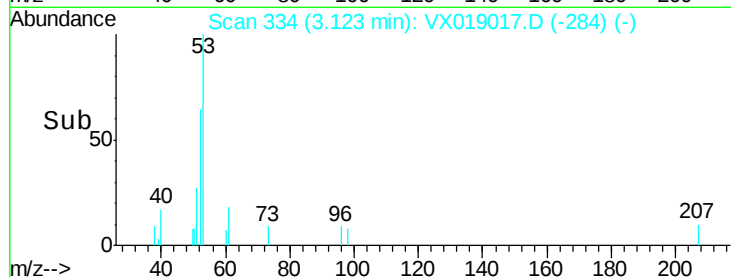
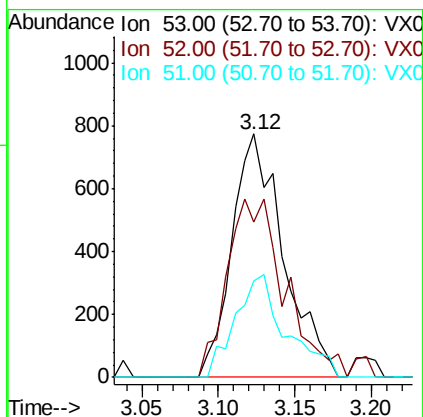
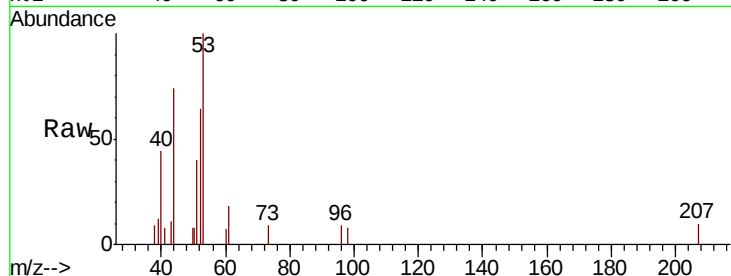
Tot Ion: 53 Resp: 1815

Ion Ratio Lower Upper

53 100

52 81.9 65.9 98.9

51 41.4 28.3 42.5



#16

Acetone

Concen: 2.040 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019017.D

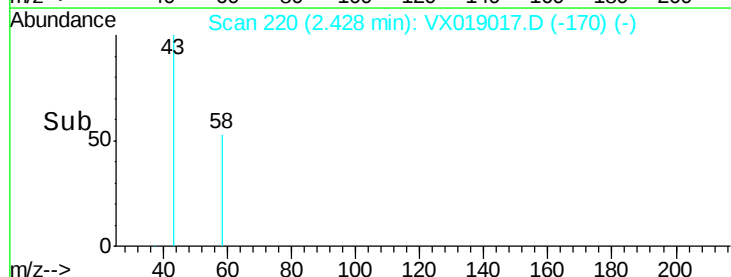
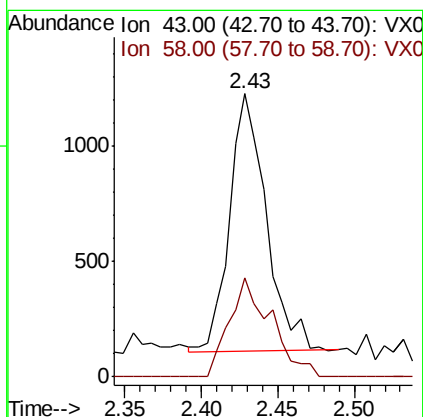
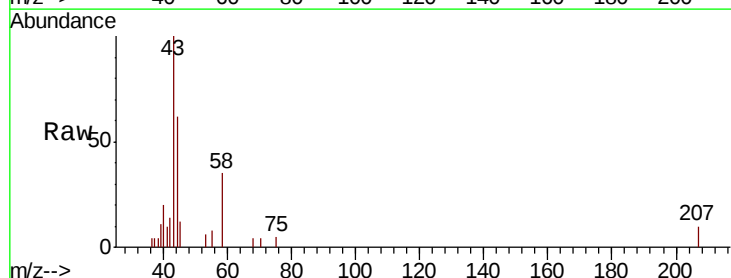
Acq: 22 Oct 2020 11:31

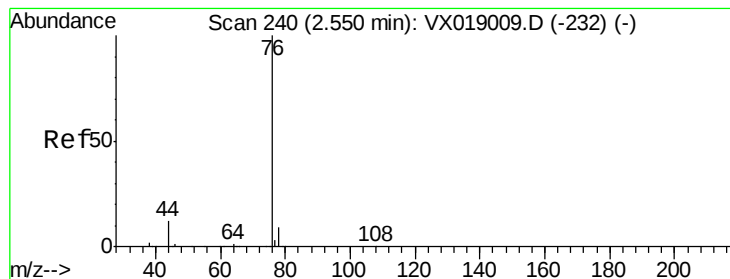
Tgt Ion: 43 Resp: 1837

Ion Ratio Lower Upper

43 100

58 38.5 28.6 42.8





#17

Carbon Disulfide

Concen: 0.415 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

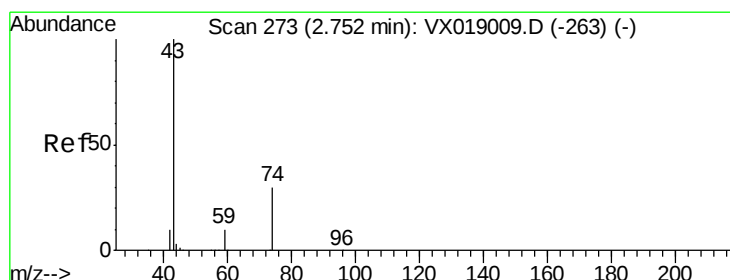
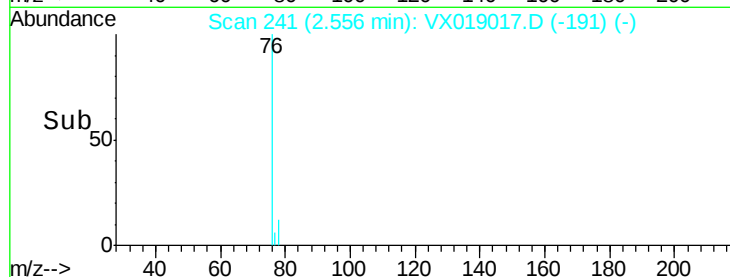
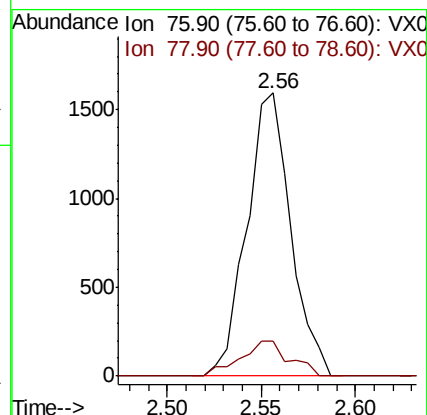
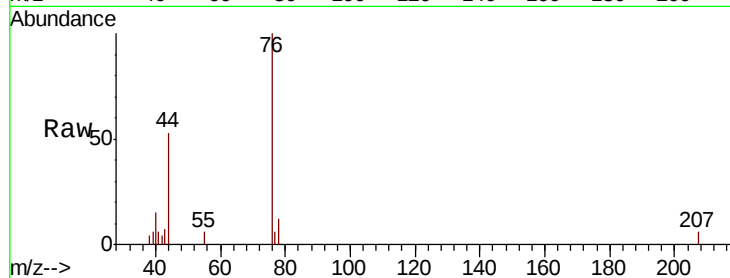
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 2570

Ion Ratio Lower Upper

76 100

78 12.4 7.1 10.7#



#18

Methyl Acetate

Concen: 0.410 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX019017.D

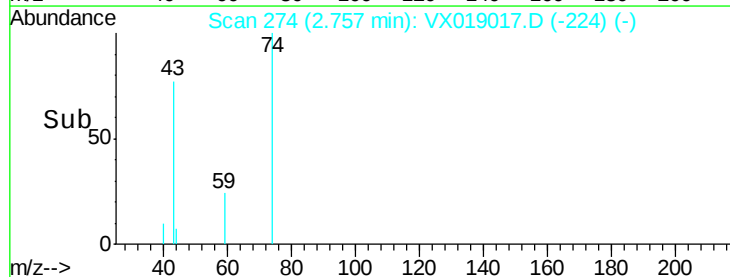
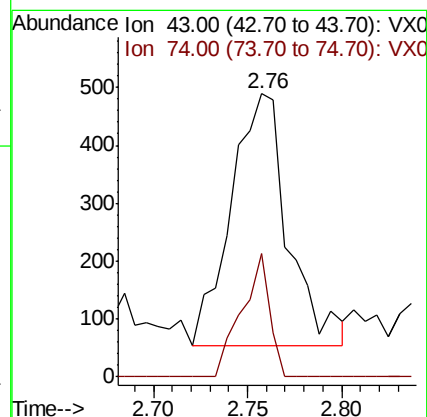
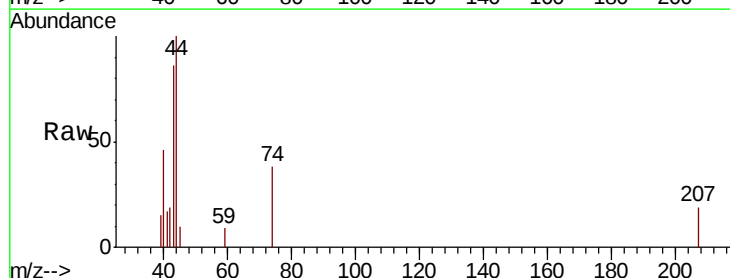
Acq: 22 Oct 2020 11:31

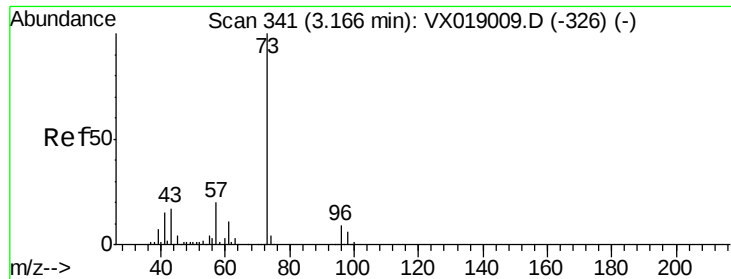
Tgt Ion: 43 Resp: 916

Ion Ratio Lower Upper

43 100

74 23.9 24.9 37.3#

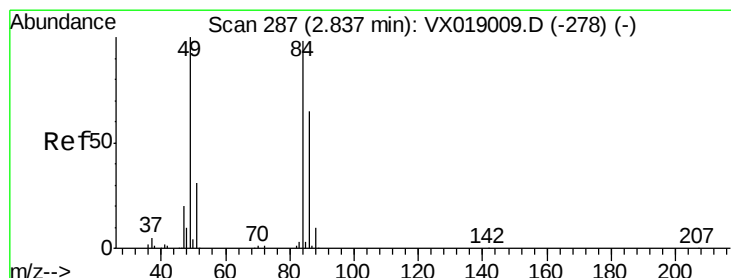
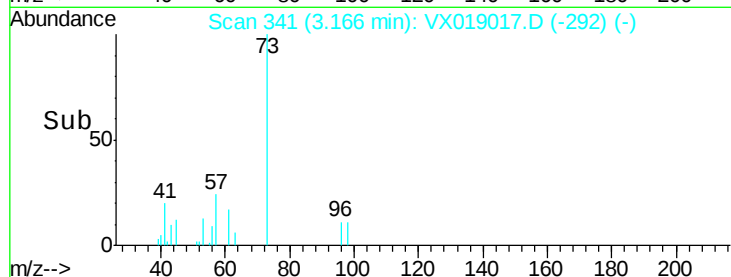
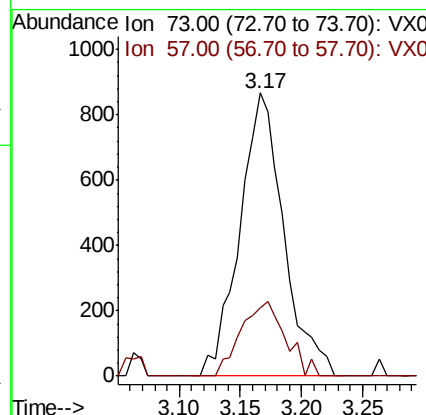
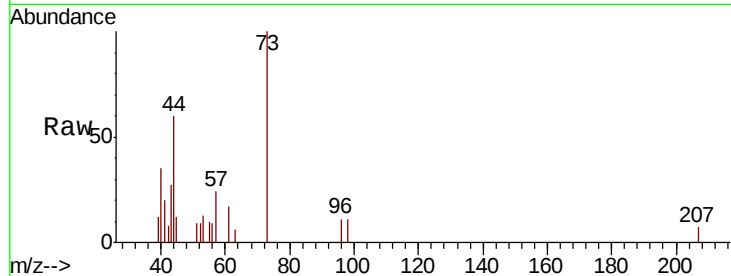




#19
Methvl tert-butvl Ether
Concen: 0.319 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

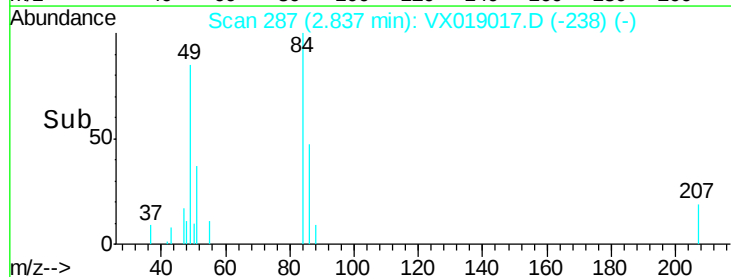
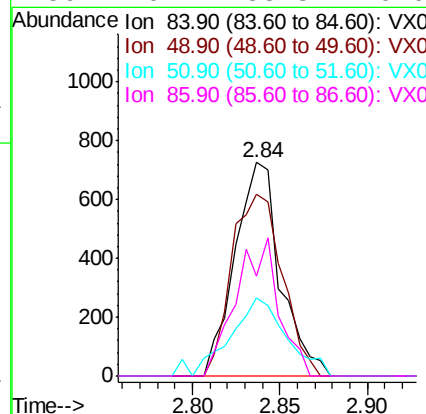
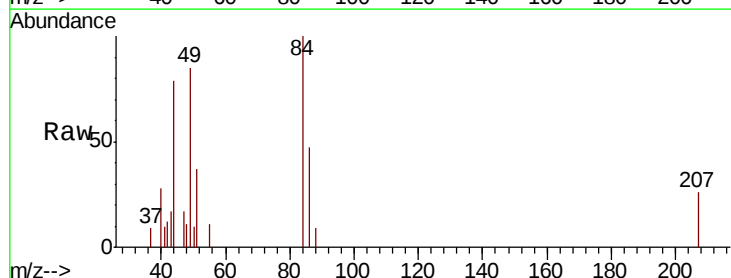
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

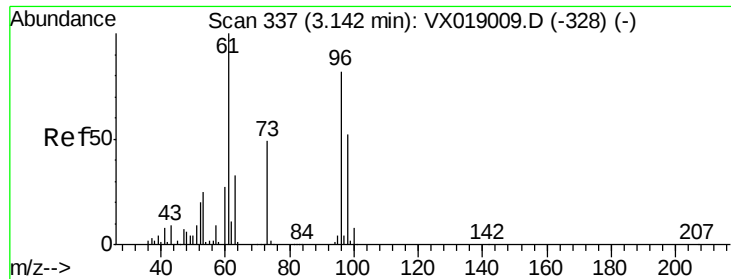
Tot Ion: 73 Resp: 2173
Ion Ratio Lower Upper
73 100
57 24.3 16.2 24.2#



#20
Methylene Chloride
Concen: 0.523 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 84 Resp: 1310
Ion Ratio Lower Upper
84 100
49 85.0 81.6 122.4
51 36.5 25.6 38.4
86 46.7 53.3 79.9#





#21

trans-1,2-Dichloroethene

Concen: 0.371 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

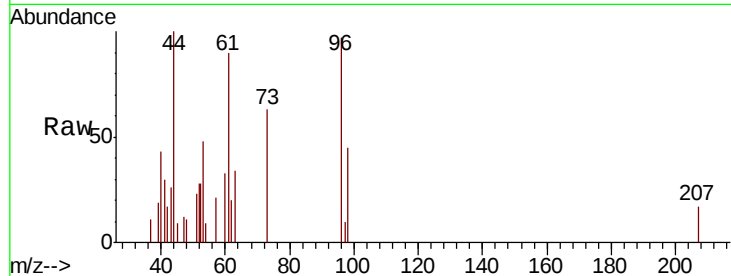
Tot Ion: 96 Resp: 929

Ion Ratio Lower Upper

96 100

61 93.0 97.8 146.6#

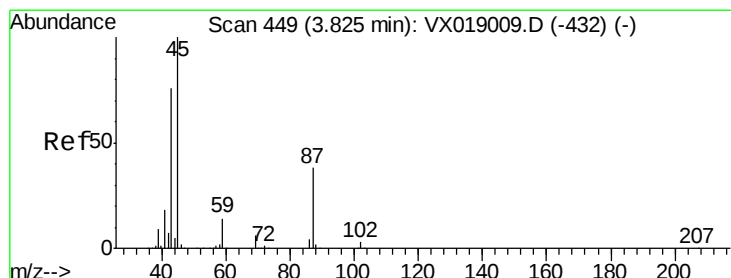
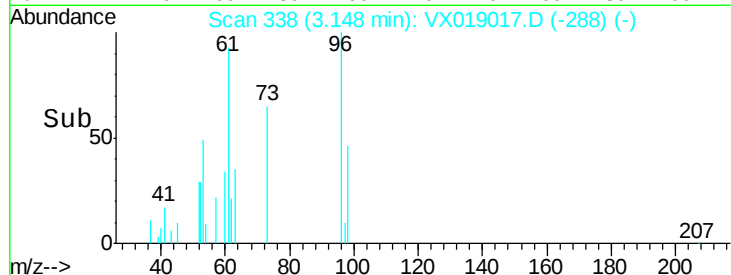
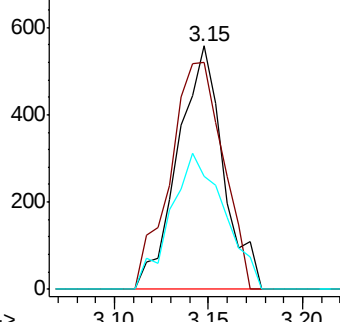
98 46.2 50.7 76.1#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 0.289 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Tgt Ion: 45 Resp: 1585

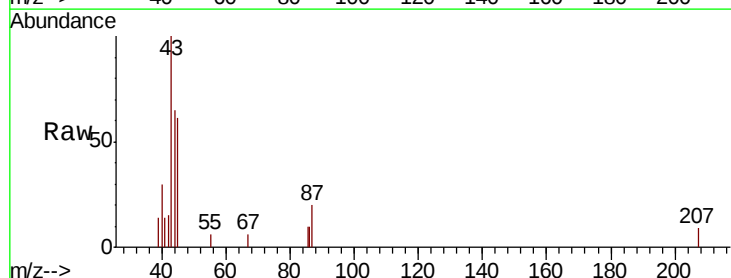
Ion Ratio Lower Upper

45 100

43 151.0 60.4 90.6#

87 33.7 30.4 45.6

59 0.0 11.2 16.8#

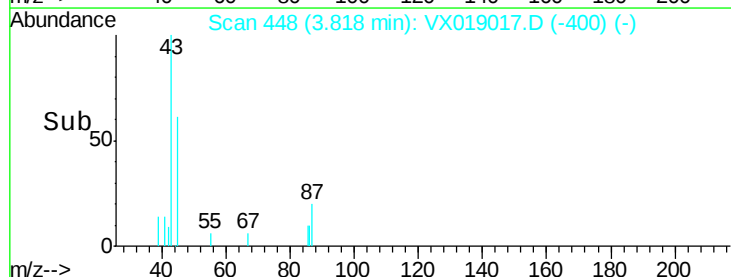
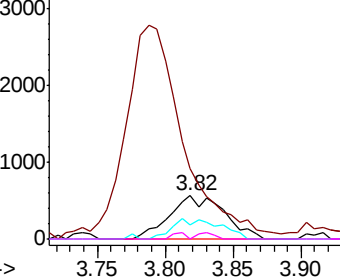


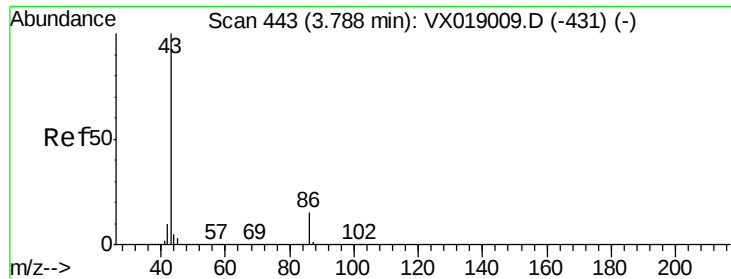
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 1.604 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

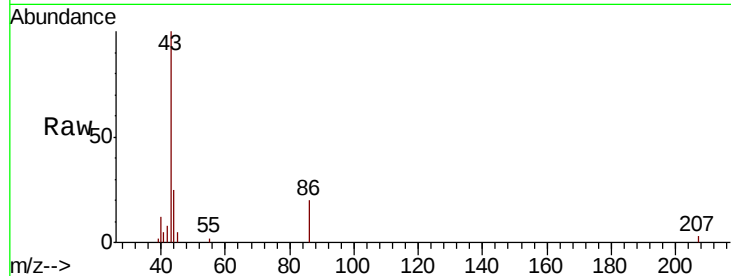
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 8346

Ion Ratio Lower Upper

43 100

86 20.4 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

3000

2500

2000

1500

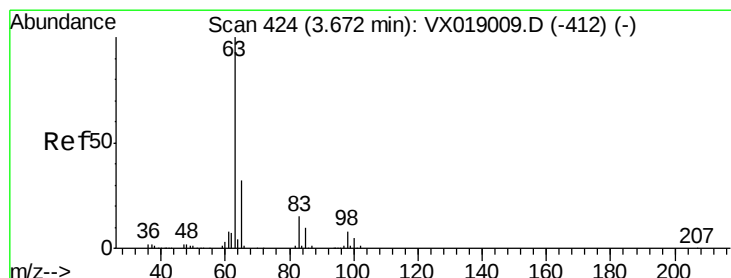
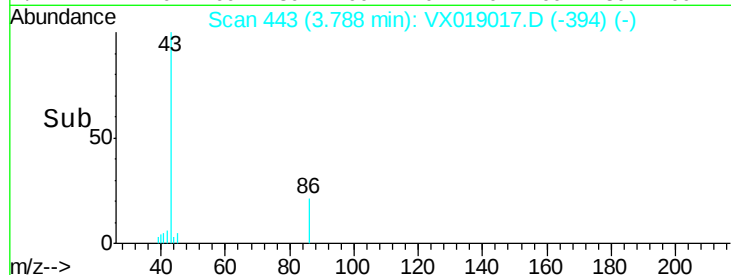
1000

500

0

Time-->

3.70 3.80 3.90



#24

1,1-Dichloroethane

Concen: 0.297 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

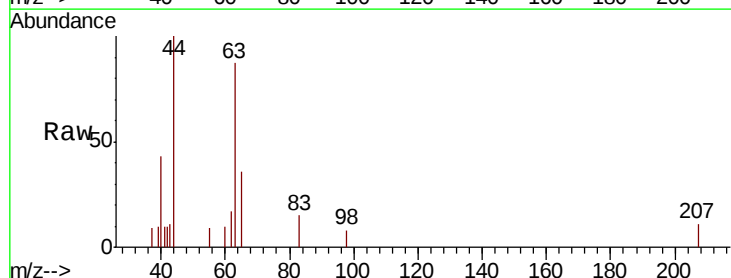
Tgt Ion: 63 Resp: 1184

Ion Ratio Lower Upper

63 100

98 9.4 4.0 12.0

100 0.0 2.5 7.4#



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

3.67

600

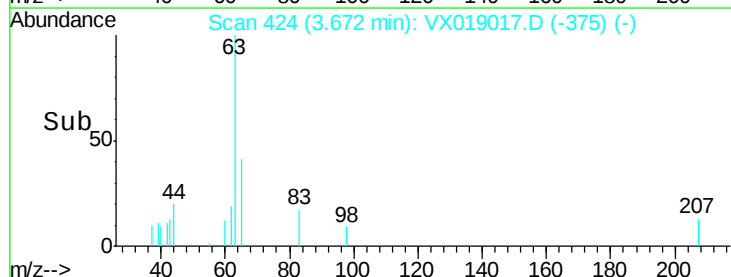
400

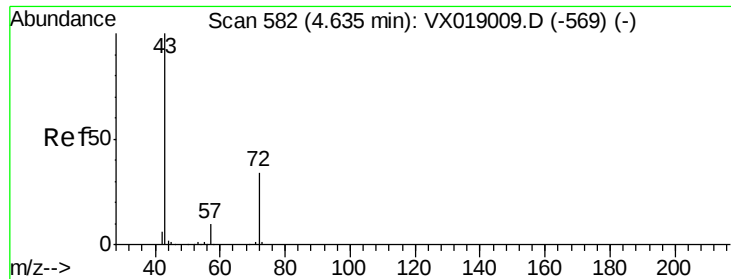
200

0

Time-->

3.60 3.65 3.70





#25

2-Butanone

Concen: 2.011 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

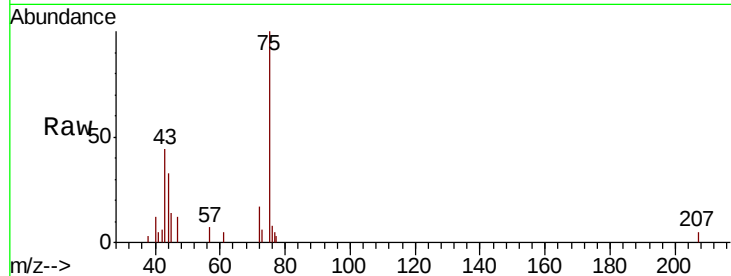
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 2861

Ion Ratio Lower Upper

43 100

72 38.4 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

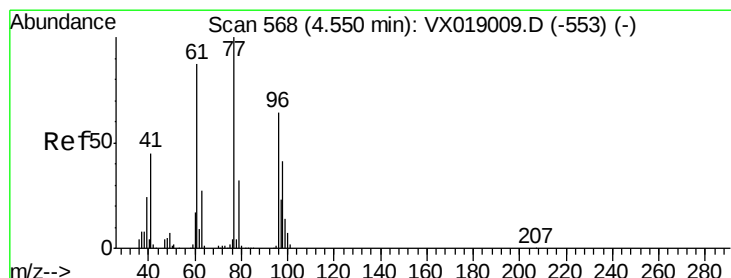
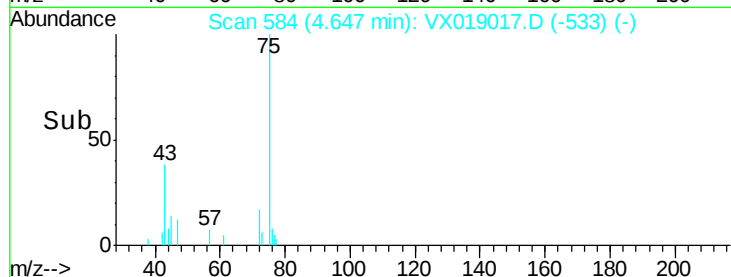
600

400

200

0

Time-->



#26

2,2-Dichloropropane

Concen: 0.323 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX019017.D

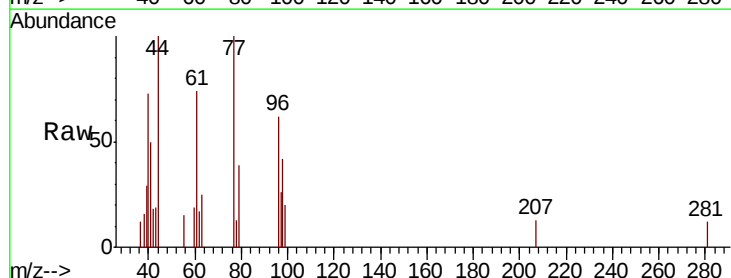
Acq: 22 Oct 2020 11:31

Tgt Ion: 77 Resp: 1191

Ion Ratio Lower Upper

77 100

97 18.5 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.55

500

400

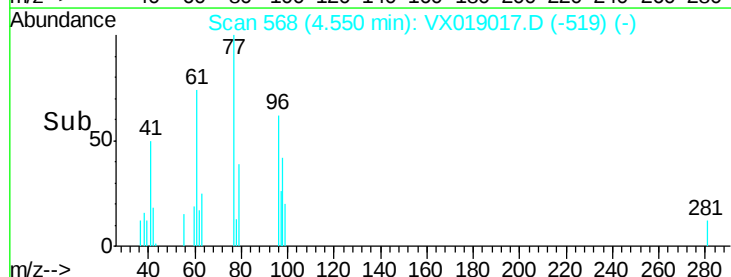
300

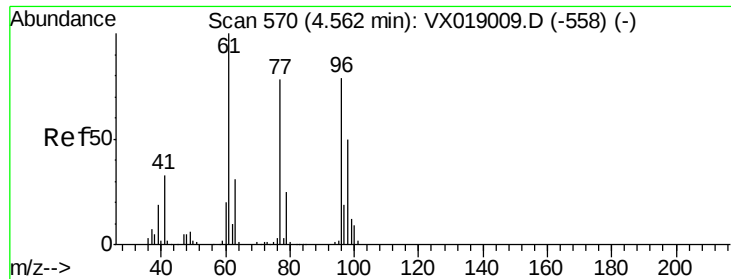
200

100

0

Time-->



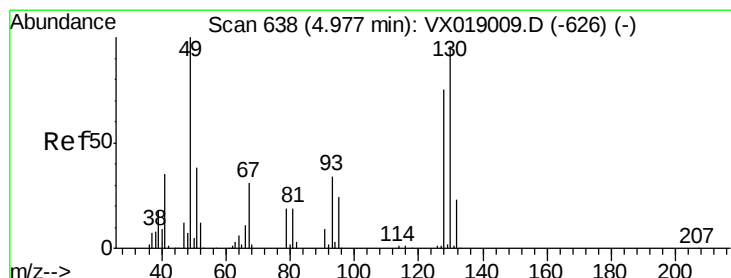
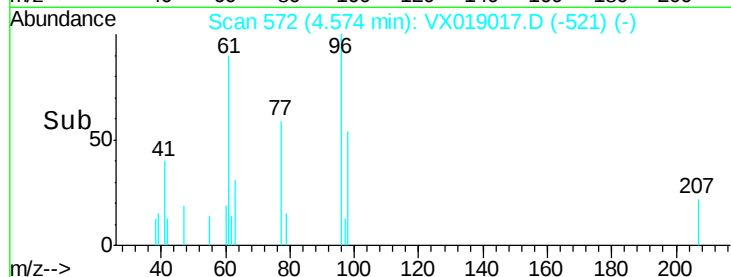
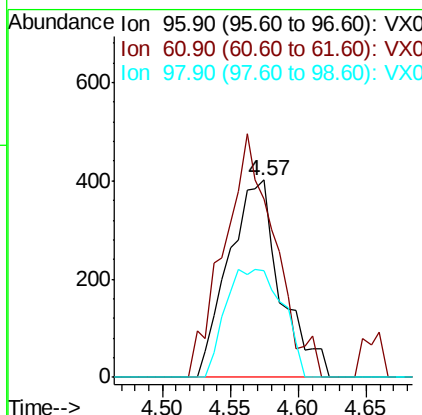
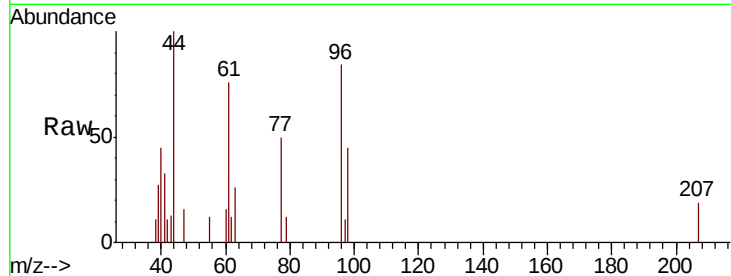


#27

cis-1,2-Dichloroethene
Concen: 0.379 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

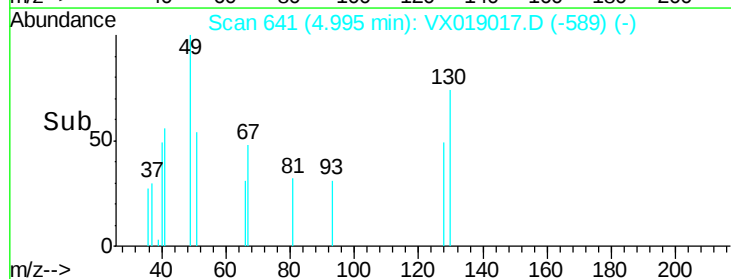
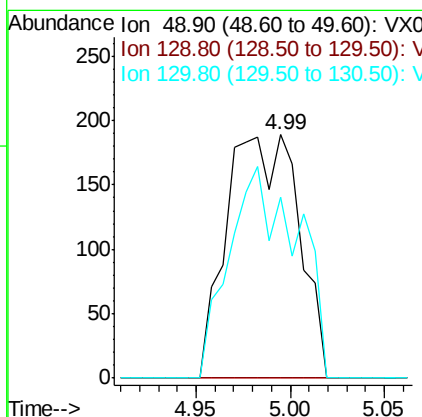
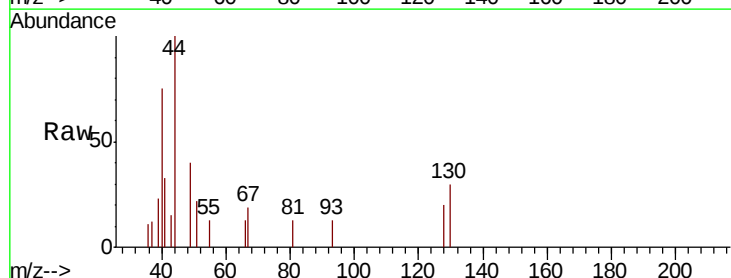
Tot Ion: 96 Resp: 1078
Ion Ratio Lower Upper
96 100
61 119.8 0.0 260.0
98 59.6 0.0 131.4

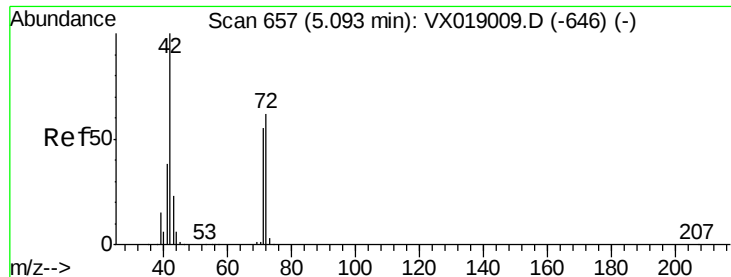


#28

Bromochloromethane
Concen: 0.295 ug/l
RT: 4.99 min Scan# 641
Delta R.T. 0.02 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 49 Resp: 500
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 82.2 79.0 118.6

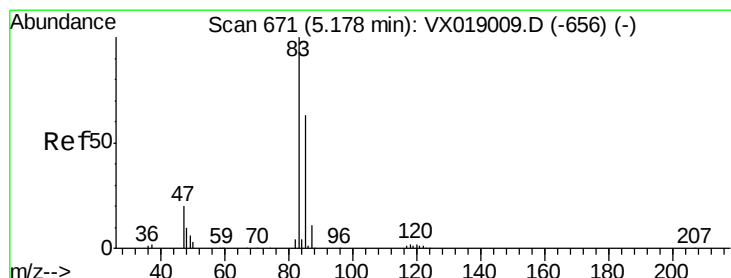
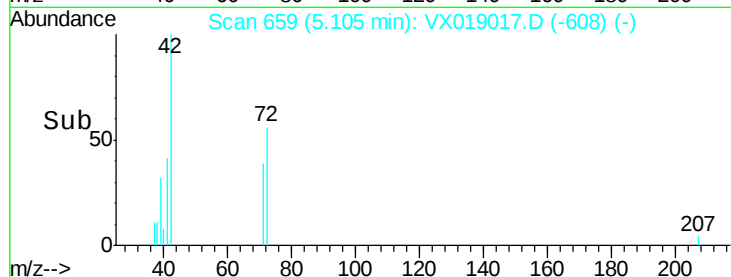
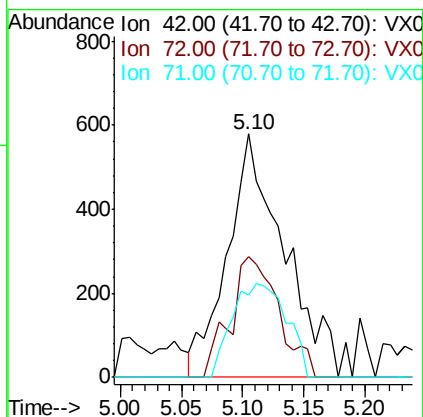
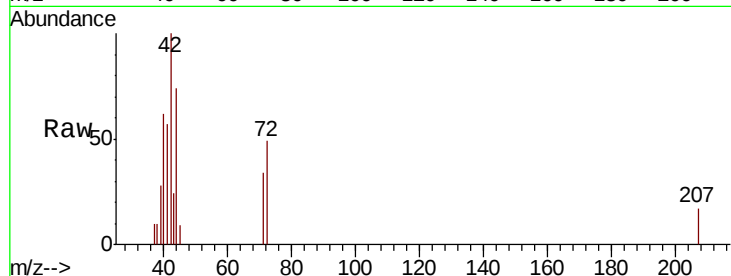




#29
Tetrahydrofuran
Concen: 2.191 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

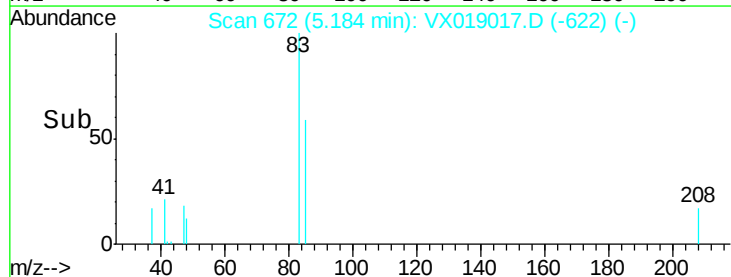
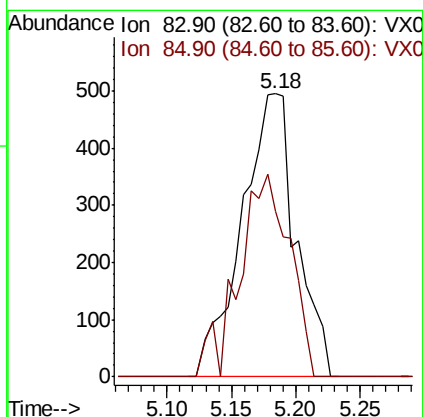
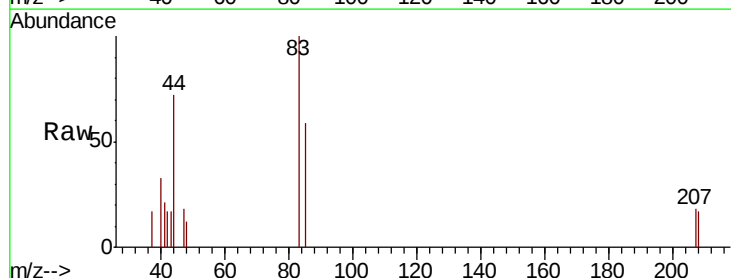
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

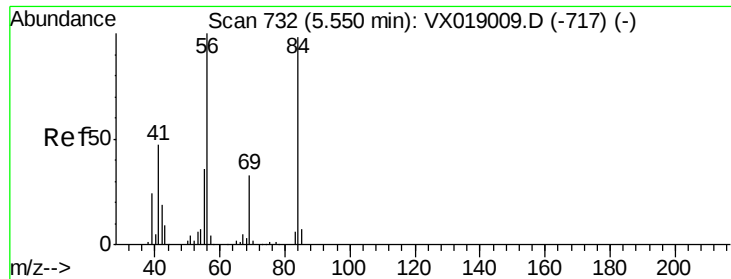
Tot Ion: 42 Resp: 1863
Ion Ratio Lower Upper
42 100
72 42.7 49.1 73.7#
71 37.2 44.2 66.4#



#30
Chloroform
Concen: 0.334 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 83 Resp: 1448
Ion Ratio Lower Upper
83 100
85 58.6 50.5 75.7

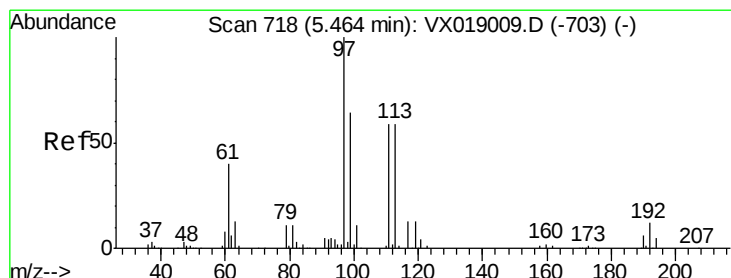
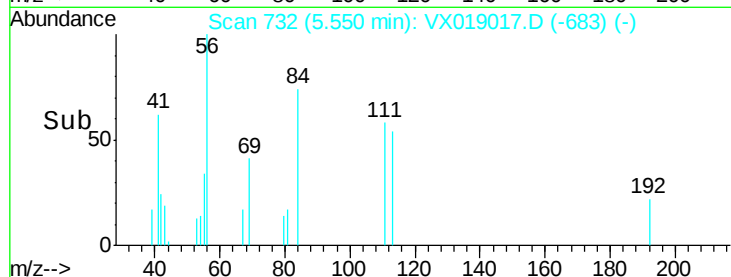
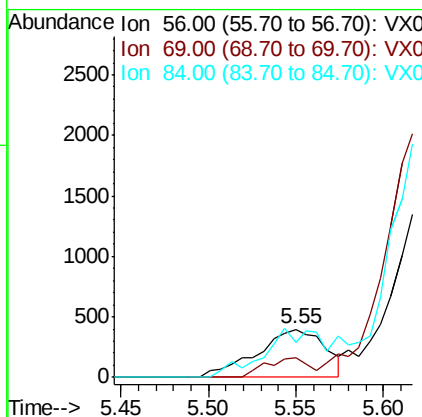
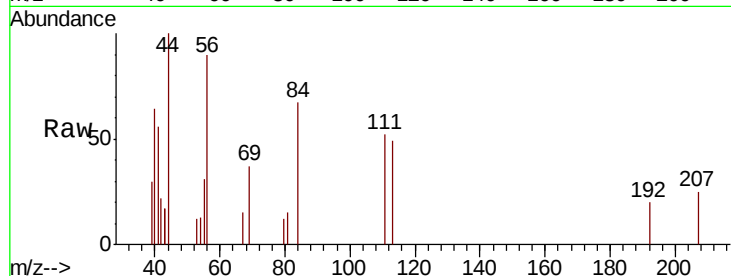




#31
Cyclohexane
Concen: 0.349 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

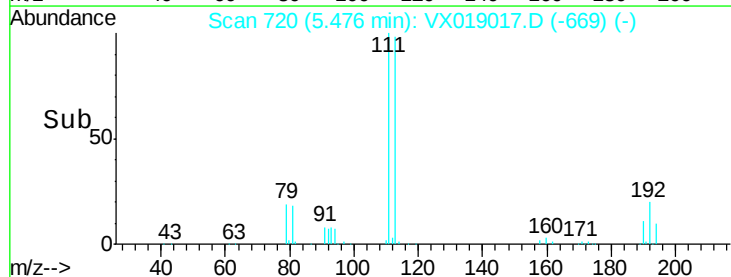
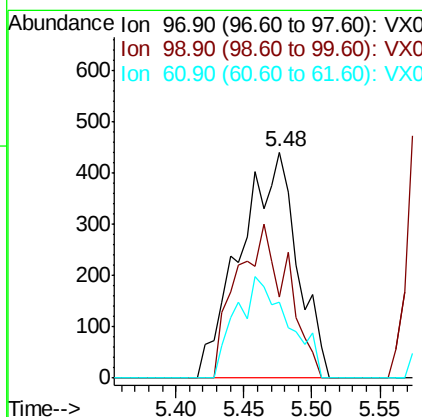
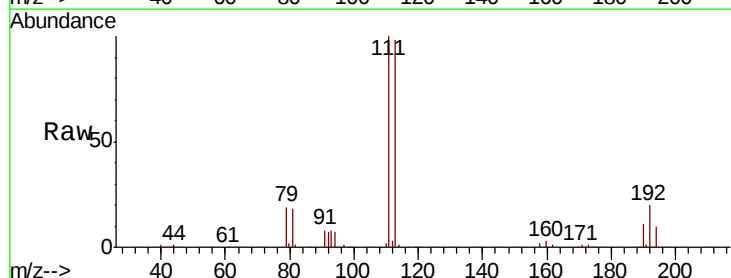
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

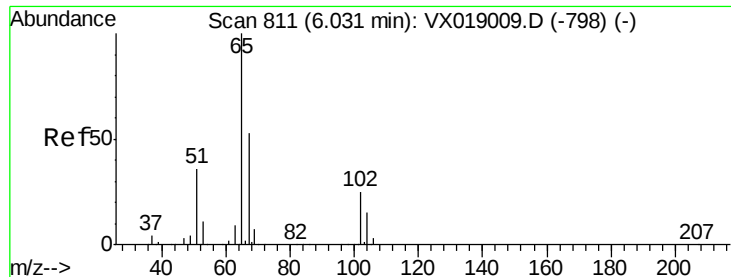
Tot Ion: 56 Resp: 1081
Ion Ratio Lower Upper
56 100
69 41.1 26.2 39.2#
84 73.6 78.3 117.5#



#32
1,1,1-Trichloroethane
Concen: 0.327 ug/l
RT: 5.48 min Scan# 720
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 97 Resp: 1285
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 41.4 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 58.255 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

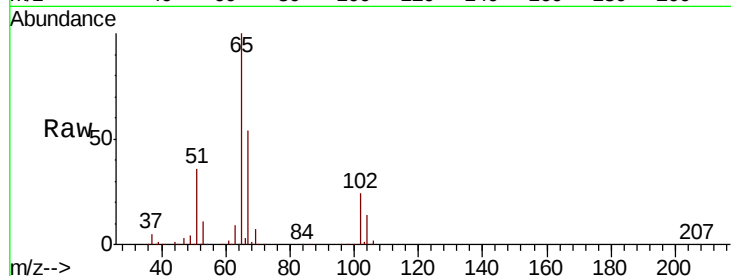
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 65 Resp: 154015

Ion Ratio Lower Upper

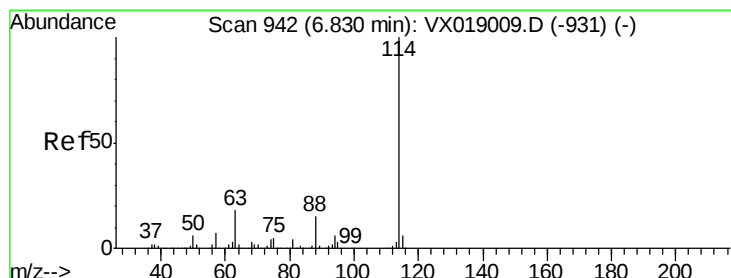
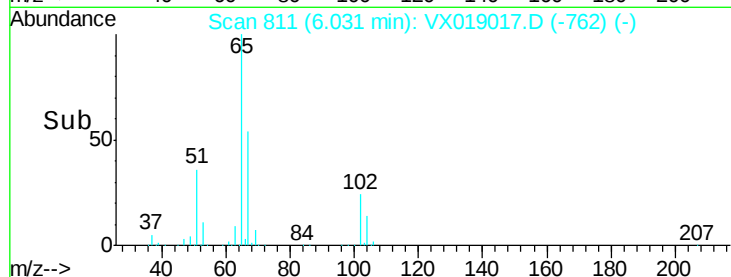
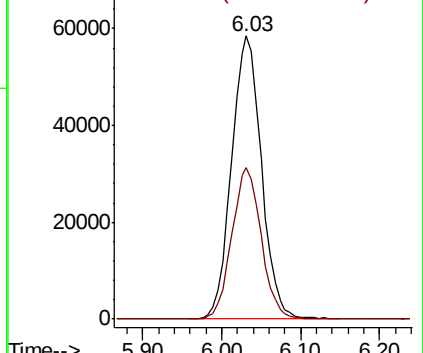
65 100

67 52.8 0.0 107.0



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: VX019017.D

Acq: 22 Oct 2020 11:31

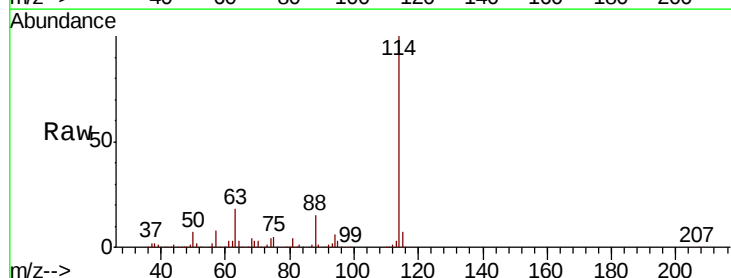
Tgt Ion: 114 Resp: 368688

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

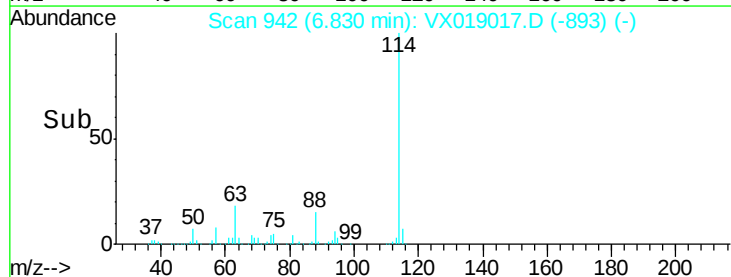
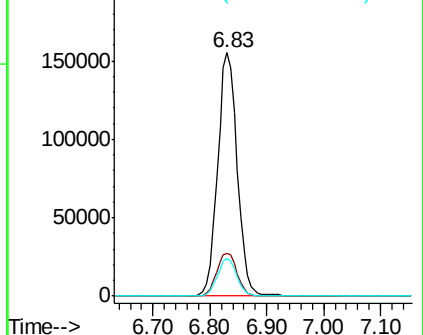
88 15.4 0.0 30.2

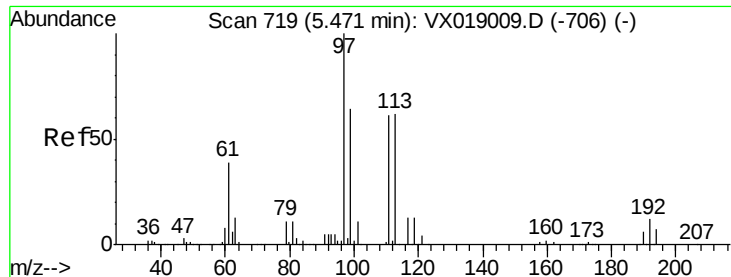


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

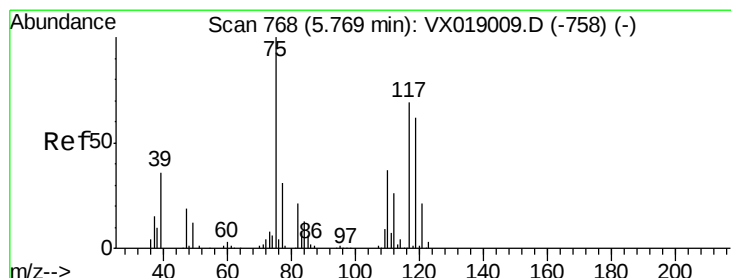
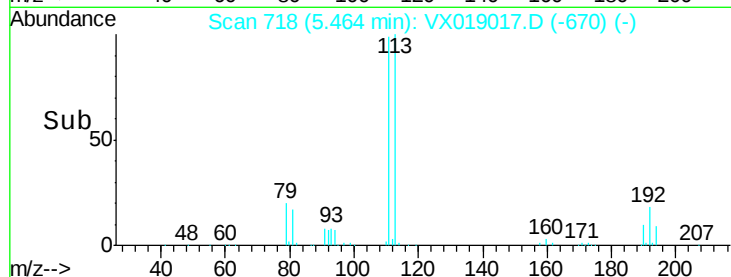
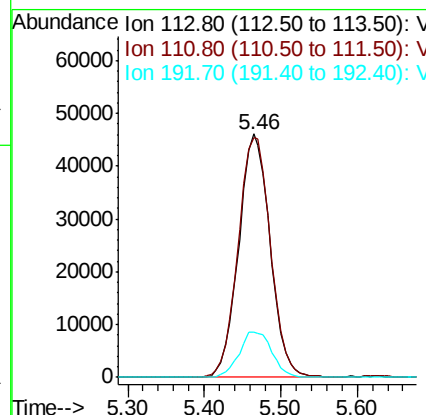
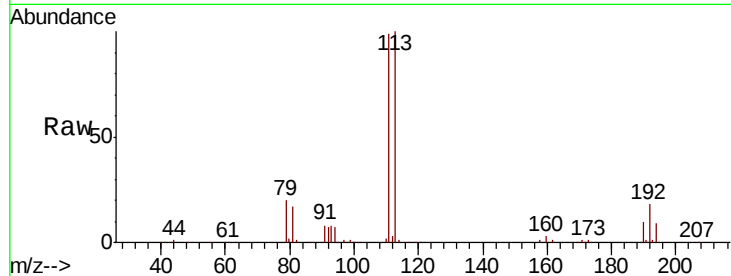




#35
 Dibromofluoromethane
 Concen: 56.251 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

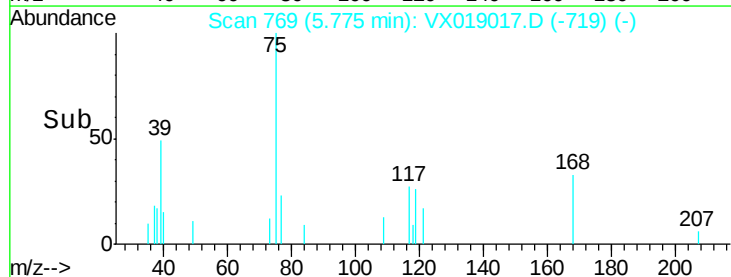
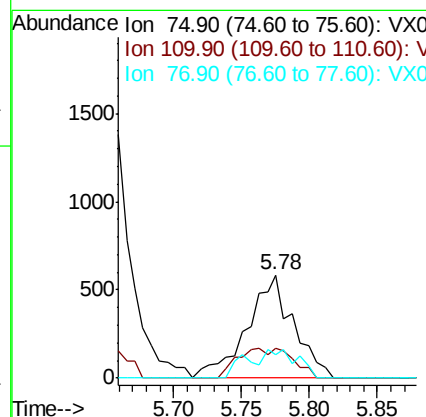
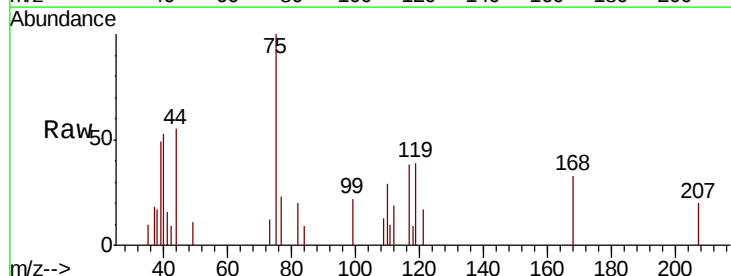
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

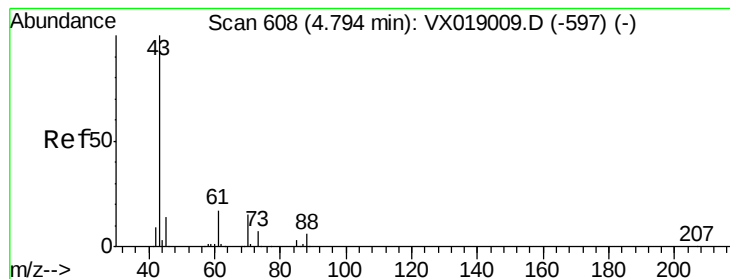
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.5	122.3
192	19.5	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 0.421 ug/l
 RT: 5.78 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	19.4	58.2
77	19.5	25.2	37.8#





#37

Ethyl Acetate

Concen: 0.380 ug/l

RT: 4.81 min Scan# 610

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

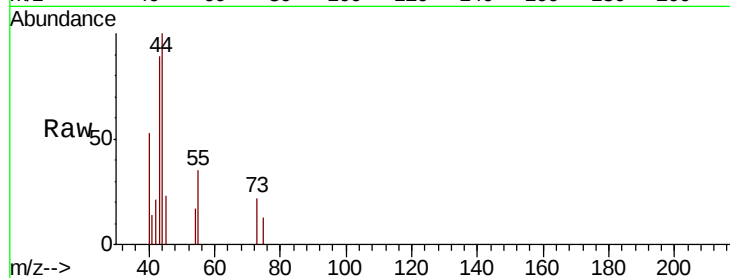
Tot Ion: 43 Resp: 1074

Ion Ratio Lower Upper

43 100

61 3.8 13.8 20.8#

70 6.1 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

4.81

400

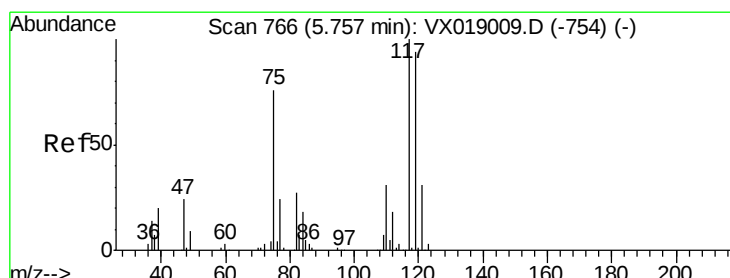
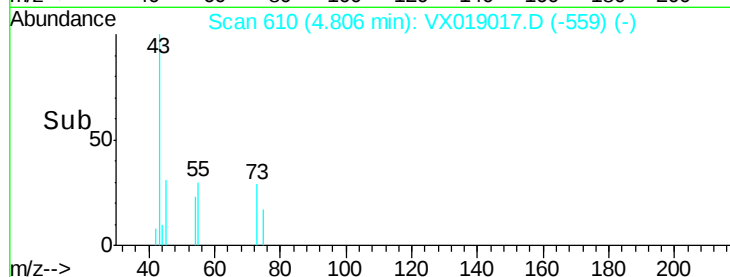
300

200

100

0

Time--> 4.70 4.75 4.80 4.85 4.90



#38

Carbon Tetrachloride

Concen: 0.329 ug/l

RT: 5.76 min Scan# 767

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

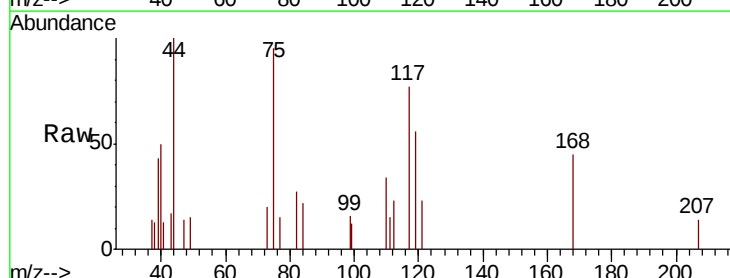
Tgt Ion: 117 Resp: 1143

Ion Ratio Lower Upper

117 100

119 72.6 75.4 113.0#

121 29.7 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

3000

2500

2000

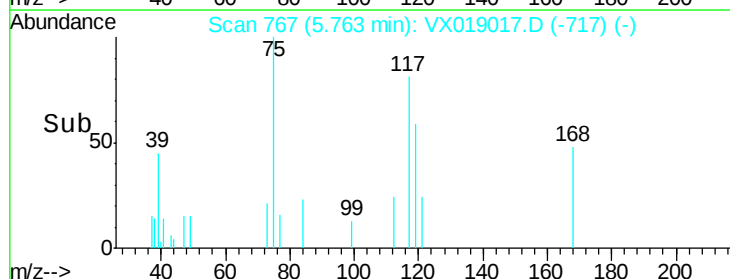
1500

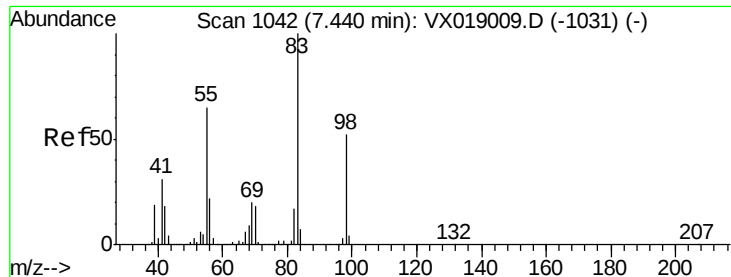
1000

500

0

Time--> 5.70 5.75 5.80

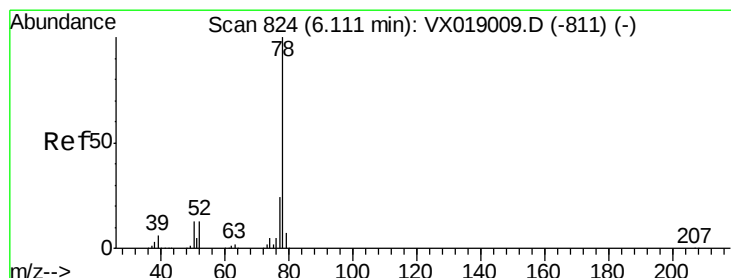
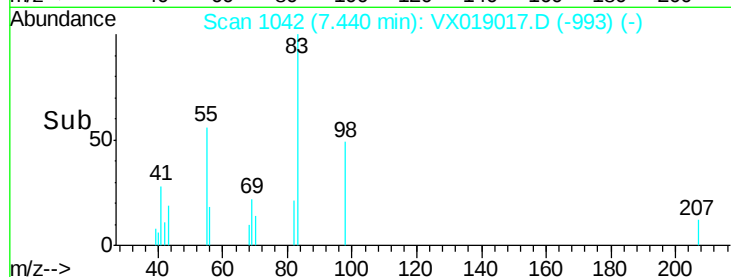
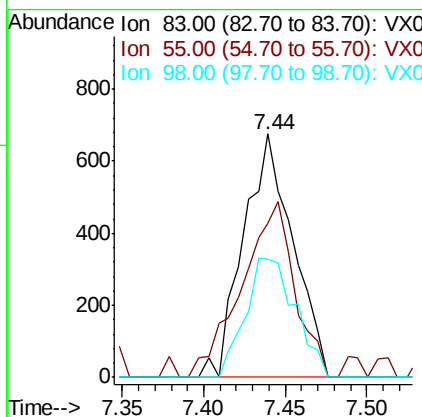
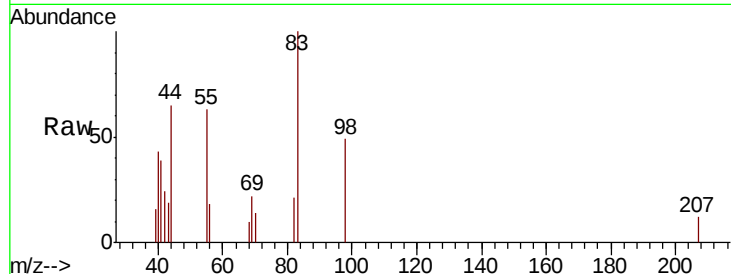




#39
Methvlcvclohexane
Concen: 0.385 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

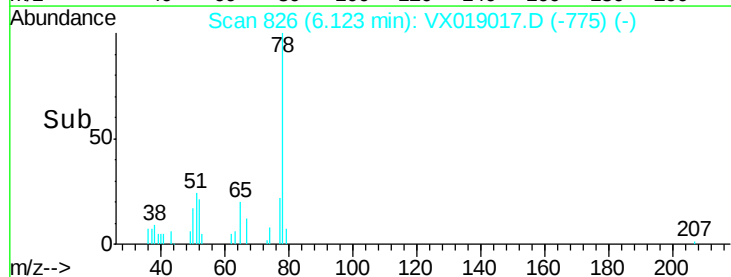
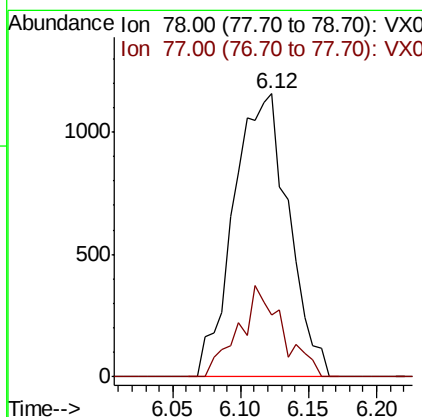
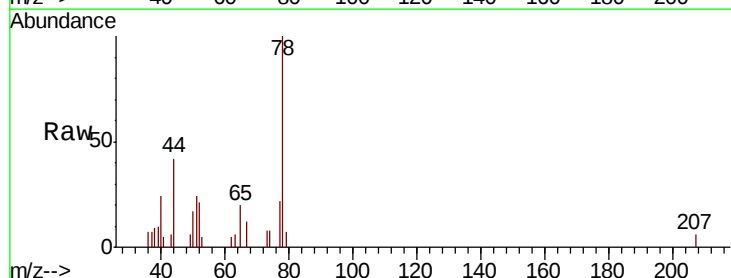
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

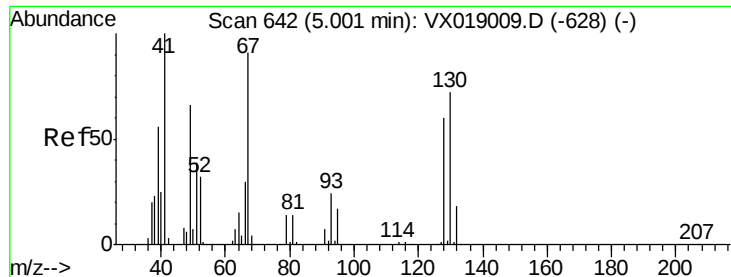
Tot Ion: 83 Resp: 1427
Ion Ratio Lower Upper
83 100
55 63.0 51.8 77.6
98 48.7 41.4 62.2



#40
Benzene
Concen: 0.336 ug/l
RT: 6.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 78 Resp: 3269
Ion Ratio Lower Upper
78 100
77 21.7 19.3 28.9

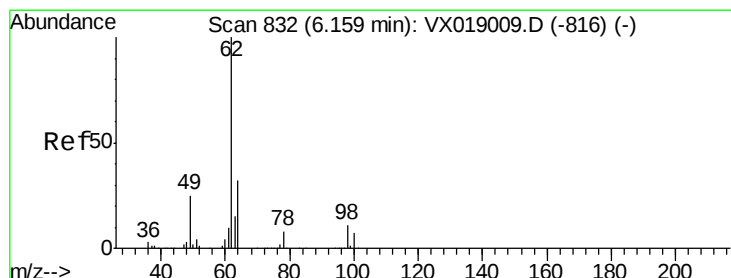
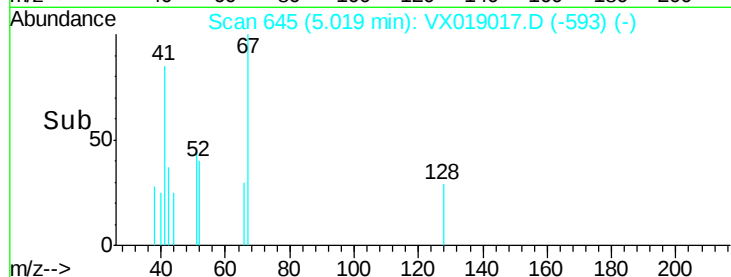
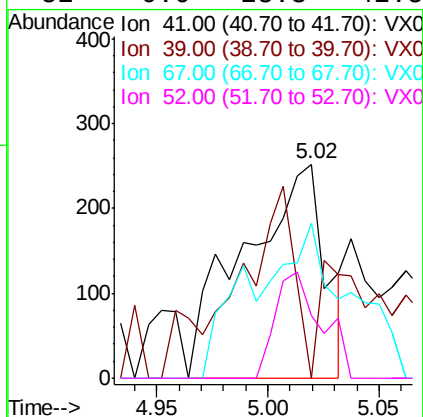
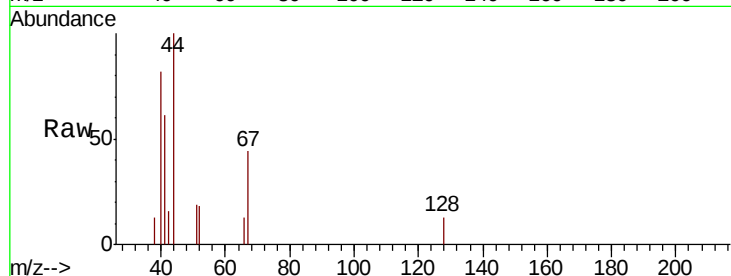




#41
Methacrylonitrile
Concen: 0.423 ug/l
RT: 5.02 min Scan# 645
Delta R.T. 0.02 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

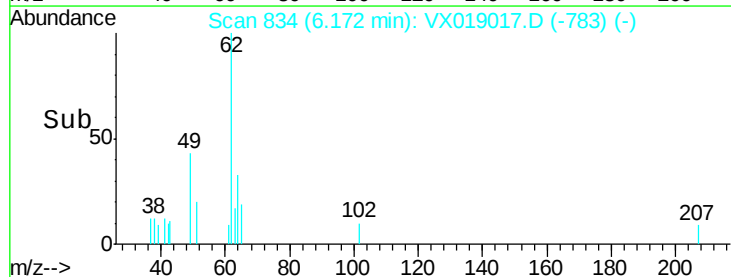
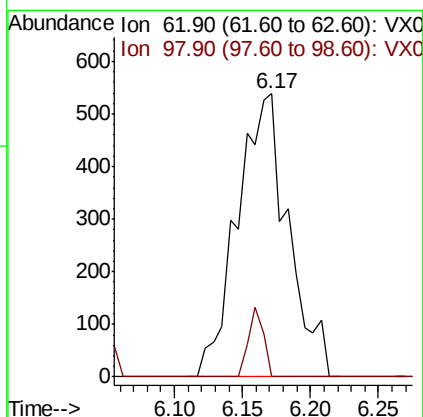
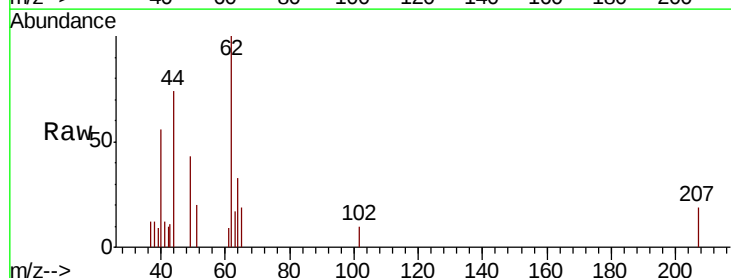
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

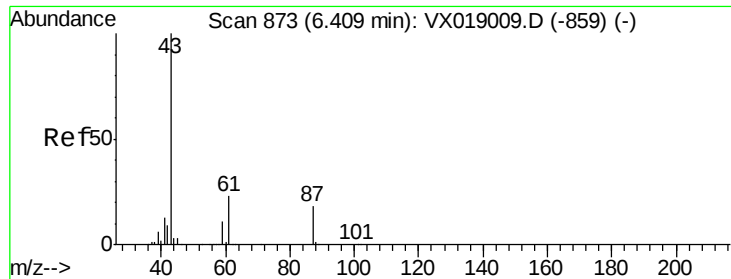
Tot Ion: 41 Resp: 641
Ion Ratio Lower Upper
41 100
39 36.2 44.6 67.0#
67 56.3 76.1 114.1#
52 0.0 28.3 42.5#



#42
1,2-Dichloroethane
Concen: 0.425 ug/l
RT: 6.17 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 62 Resp: 1414
Ion Ratio Lower Upper
62 100
98 7.1 0.0 20.8



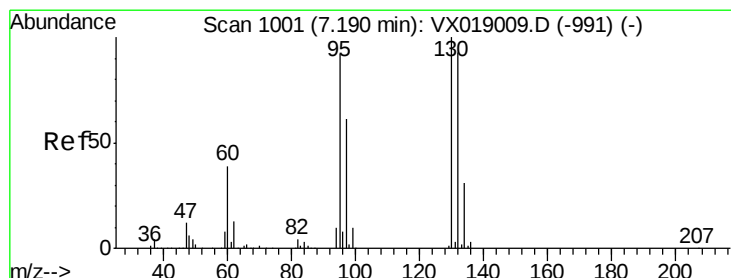
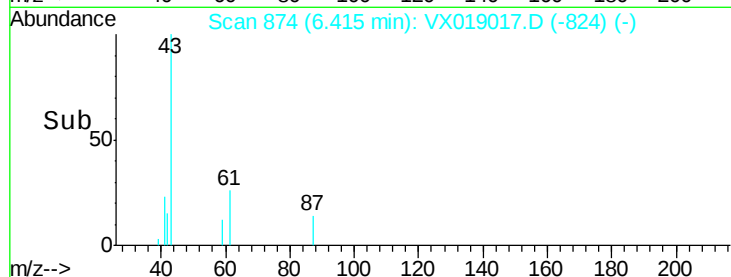
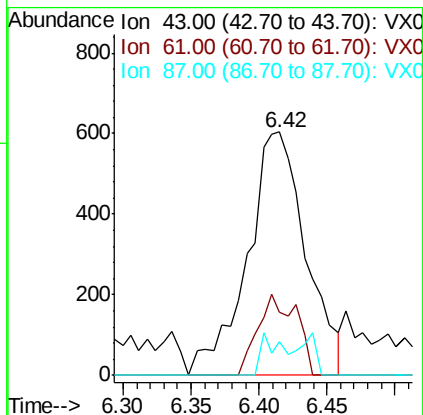
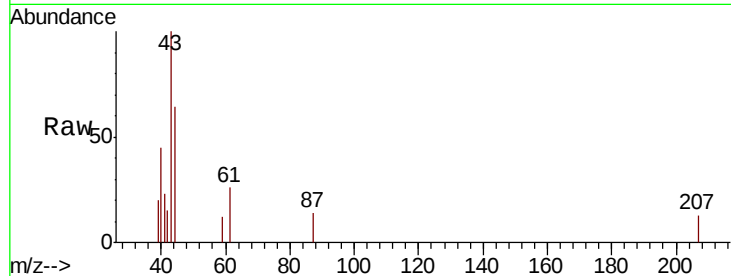


#43

Isopropyl Acetate
 Concen: 0.380 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

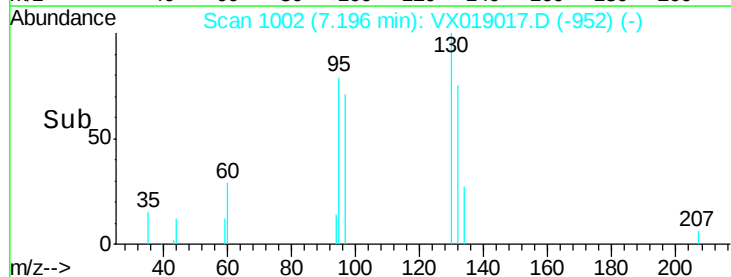
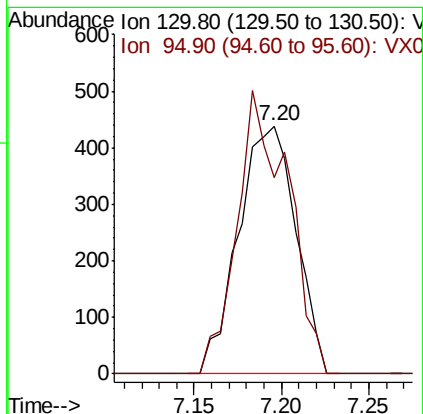
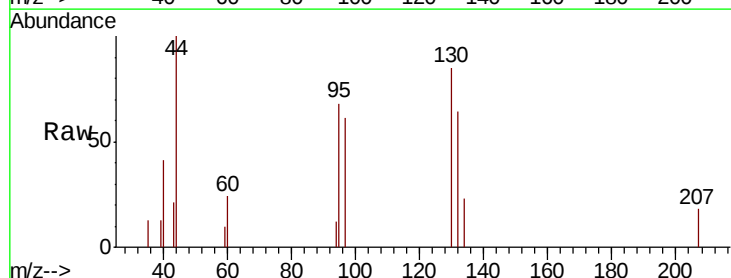
Tot Ion: 43 Resp: 1816
 Ion Ratio Lower Upper
 43 100
 61 22.0 18.7 28.1
 87 6.0 14.2 21.4#

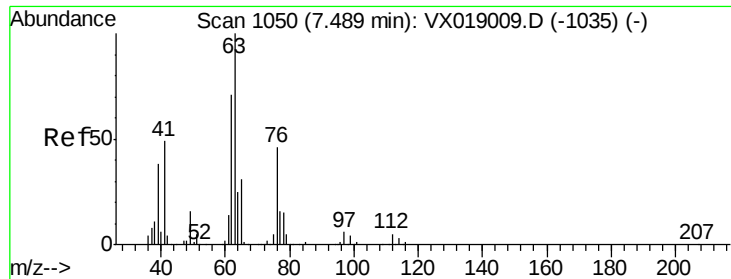


#44

Trichloroethene
 Concen: 0.353 ug/l
 RT: 7.20 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Tgt Ion: 130 Resp: 1003
 Ion Ratio Lower Upper
 130 100
 95 79.2 0.0 184.2





#45

1,2-Dichloropropane

Concen: 0.313 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

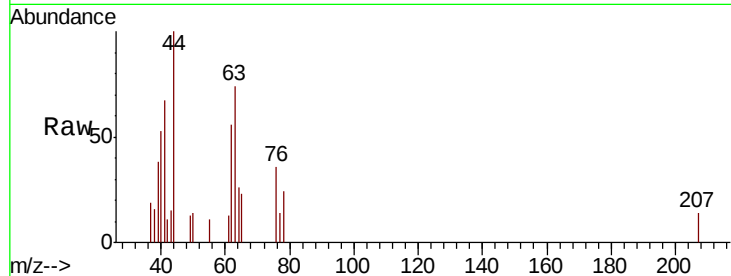
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 63 Resp: 732

Ion Ratio Lower Upper

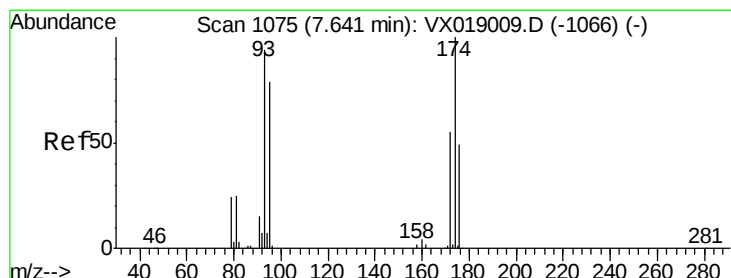
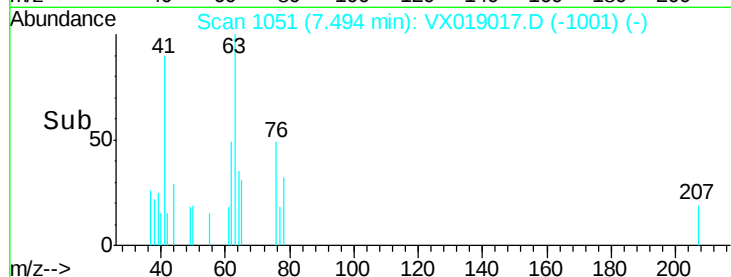
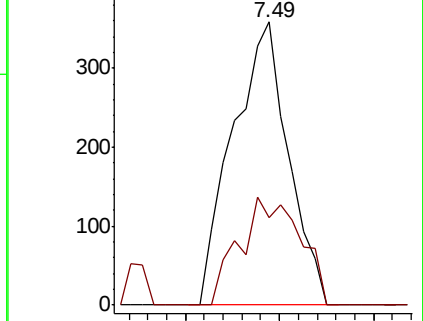
63 100

65 31.0 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 0.311 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

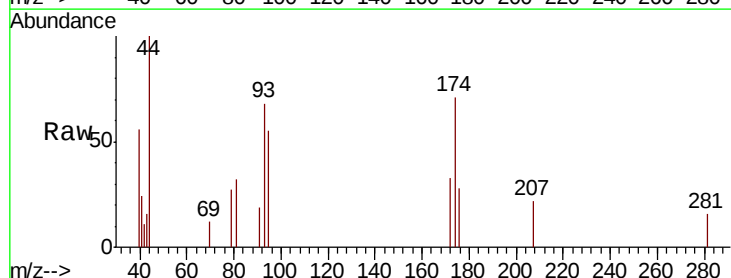
Tgt Ion: 93 Resp: 554

Ion Ratio Lower Upper

93 100

95 86.8 66.8 100.2

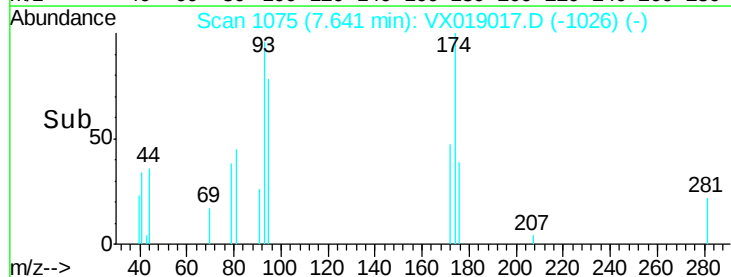
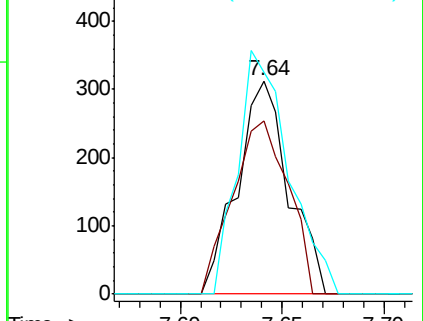
174 111.9 83.8 125.8

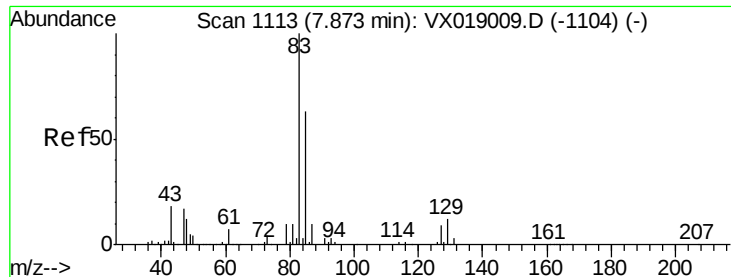


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.319 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

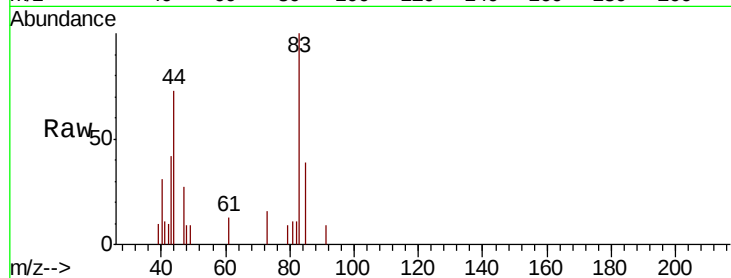
Tot Ion: 83 Resp: 1112

Ion Ratio Lower Upper

83 100

85 39.3 50.7 76.1#

127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

7.87

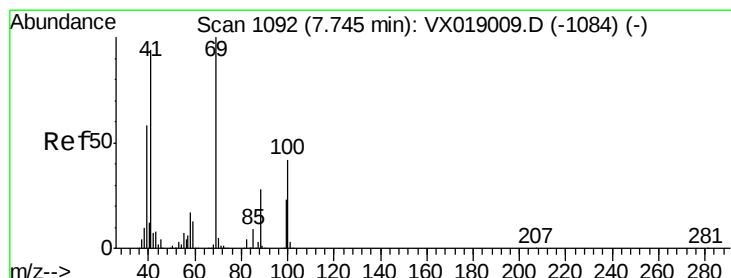
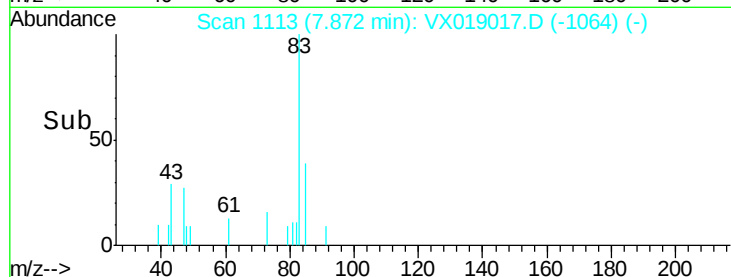
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 0.483 ug/l

RT: 7.76 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

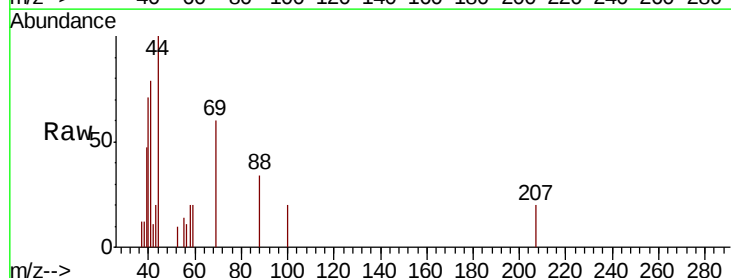
Tgt Ion: 41 Resp: 1137

Ion Ratio Lower Upper

41 100

69 69.6 85.5 128.3#

39 64.8 49.3 73.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

7.76

500

400

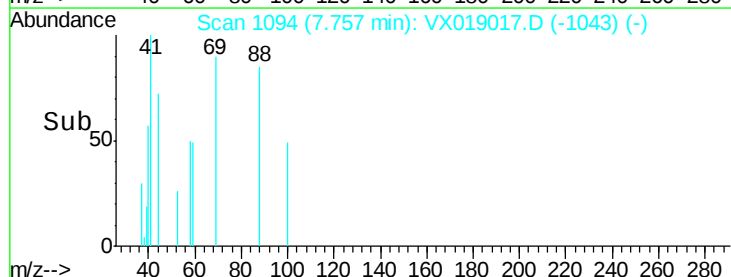
300

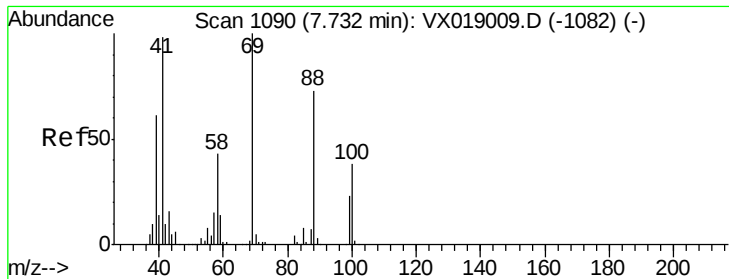
200

100

0

Time-->

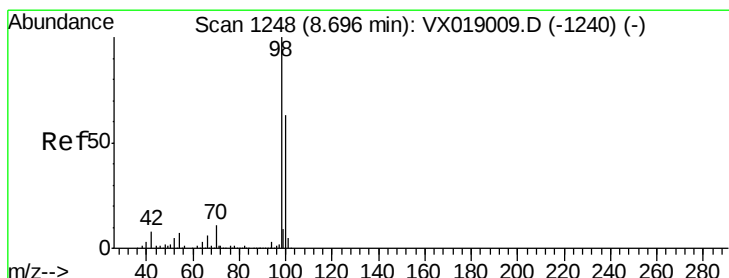
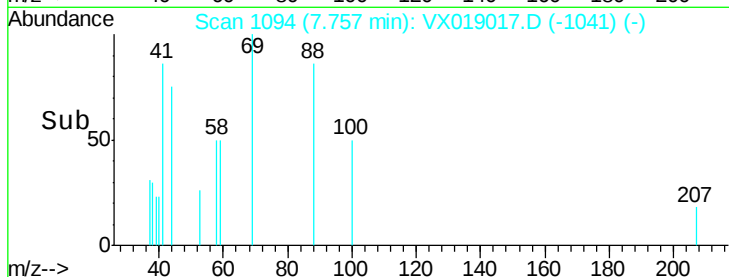
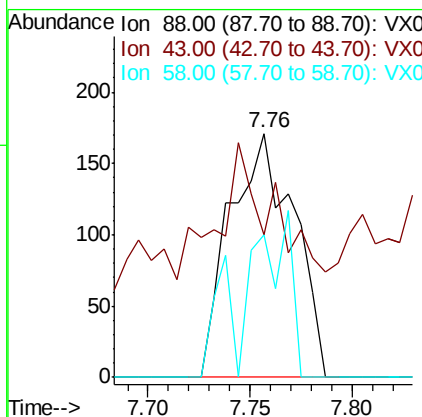
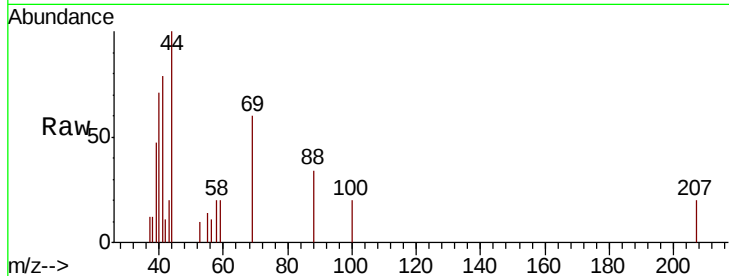




#49
1,4-Dioxane
Concen: 7.044 ug/l
RT: 7.76 min Scan# 1094
Delta R.T. 0.02 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

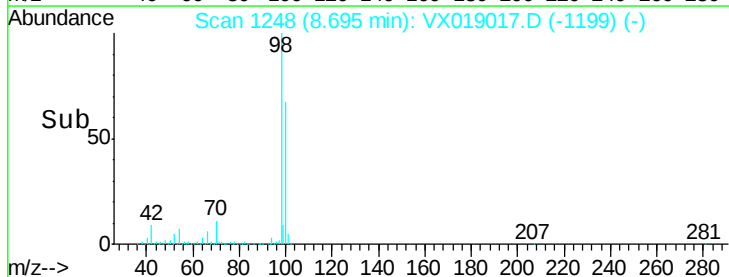
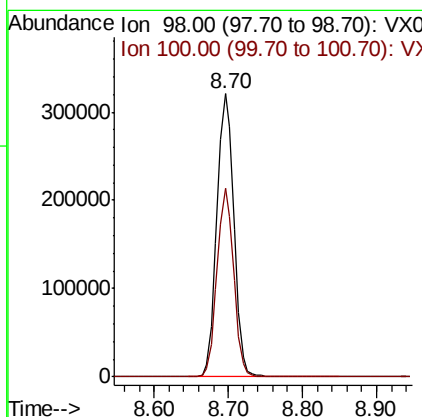
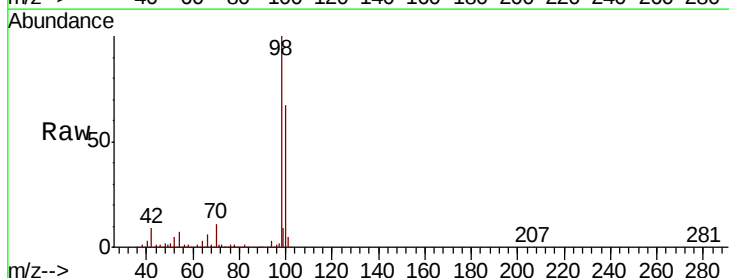
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

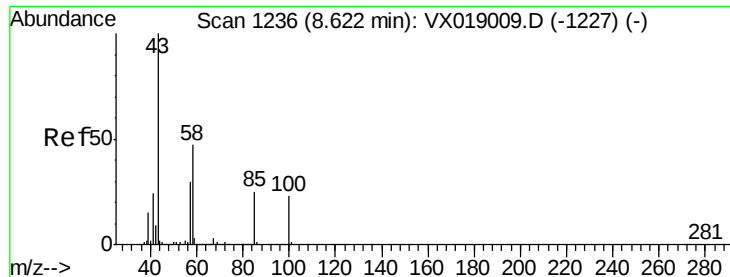
Tot Ion: 88 Resp: 375
Ion Ratio Lower Upper
88 100
43 0.0 20.3 30.5#
58 36.0 48.4 72.6#



#50
Toluene-d8
Concen: 56.775 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 98 Resp: 505734
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.566 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

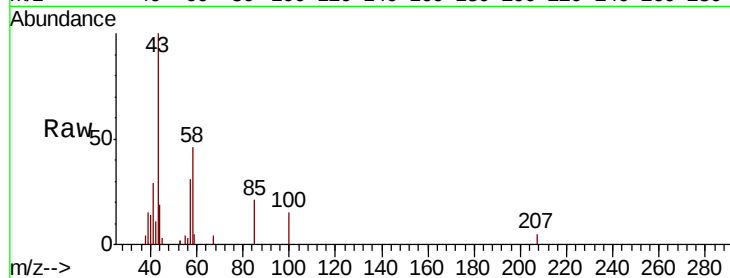
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 4414

Ion Ratio Lower Upper

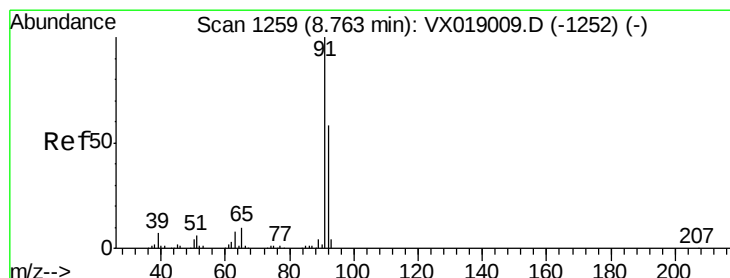
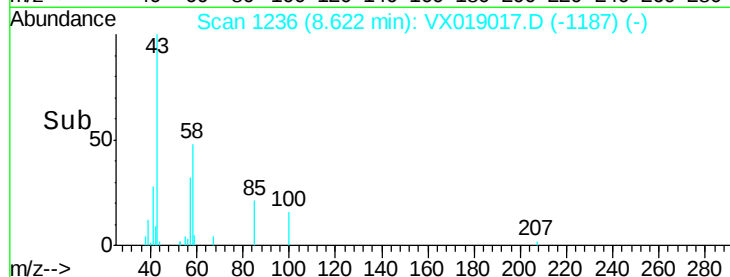
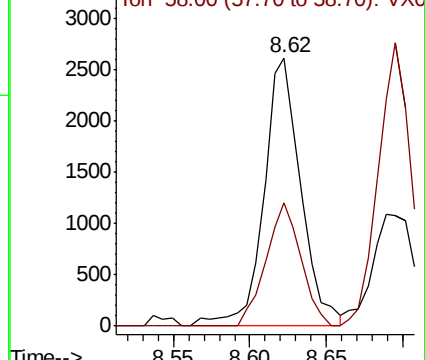
43 100

58 43.3 37.4 56.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.331 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019017.D

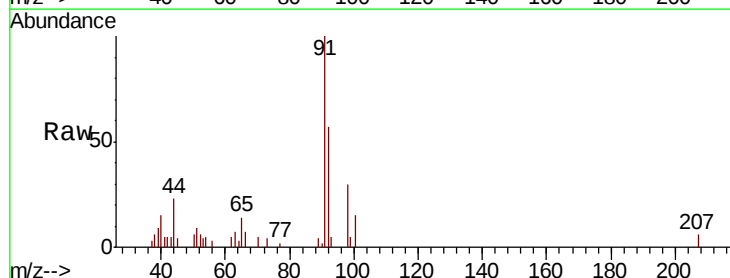
Acq: 22 Oct 2020 11:31

Tgt Ion: 92 Resp: 2130

Ion Ratio Lower Upper

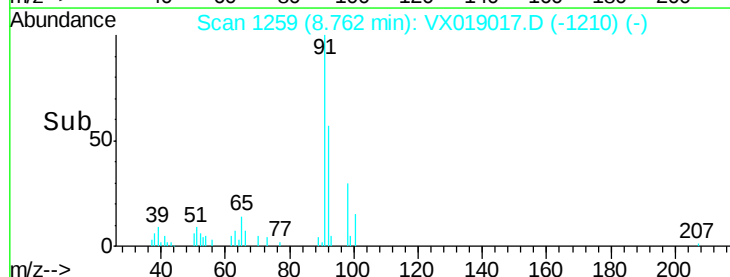
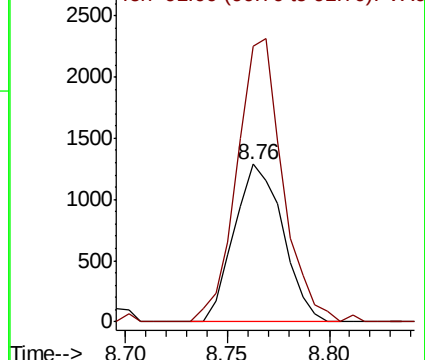
92 100

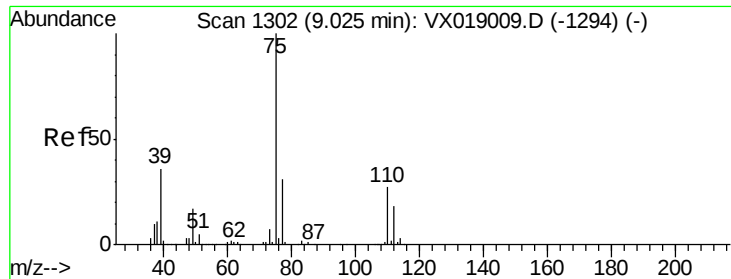
91 169.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

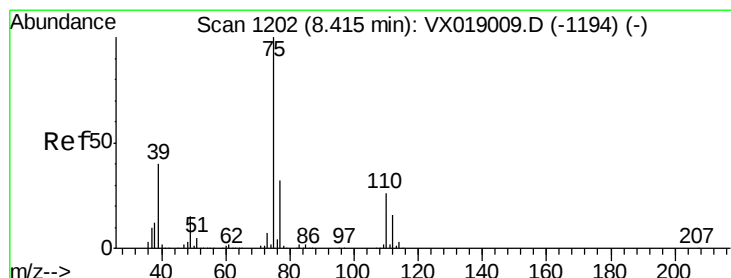
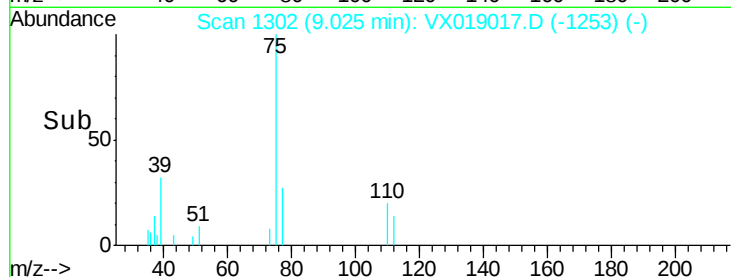
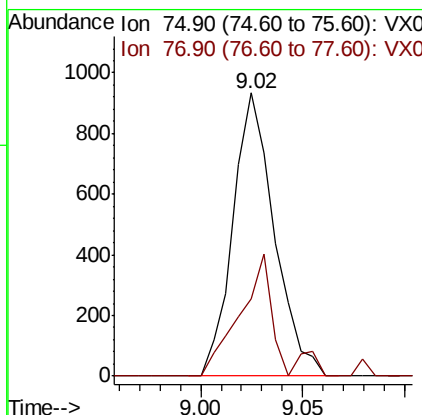
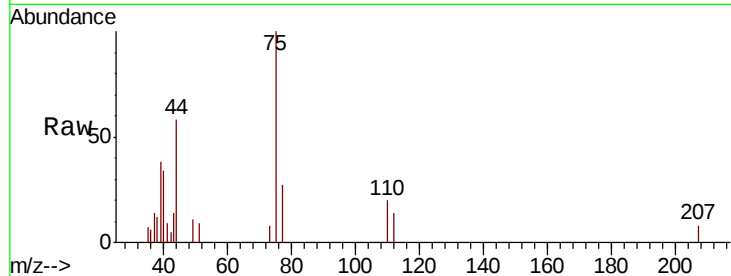




#53
 t-1,3-Dichloropropene
 Concen: 0.332 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

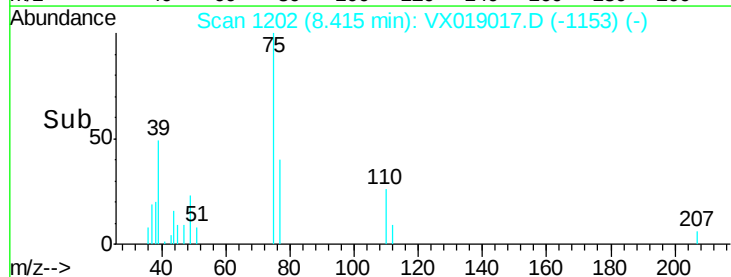
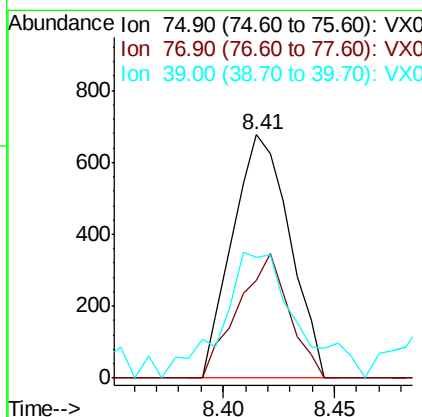
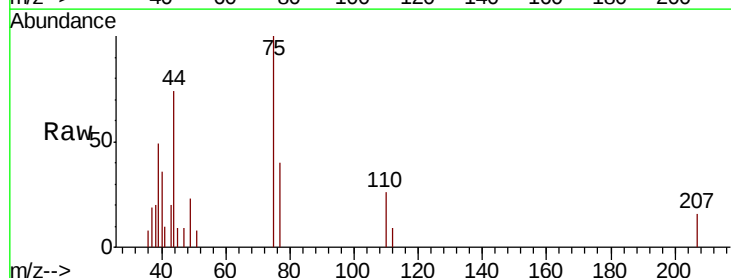
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

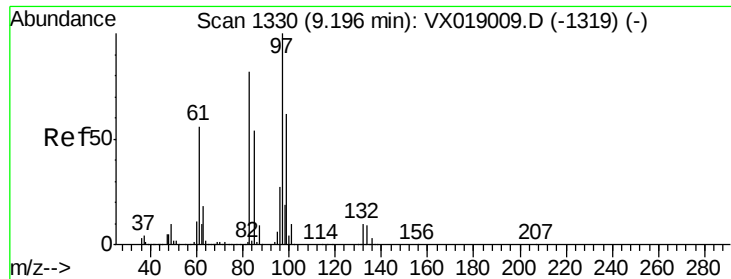
Tot Ion: 75 Resp: 1309
 Ion Ratio Lower Upper
 75 100
 77 27.1 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 0.291 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Tgt Ion: 75 Resp: 1210
 Ion Ratio Lower Upper
 75 100
 77 40.3 25.9 38.9#
 39 41.5 31.7 47.5

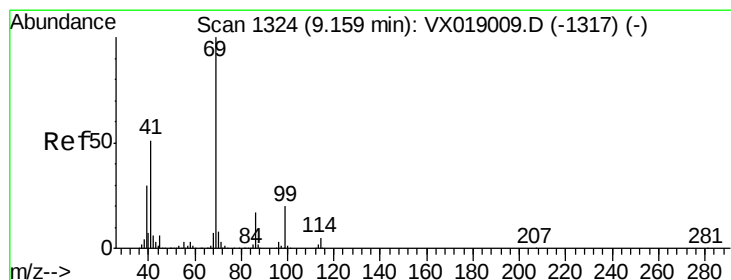
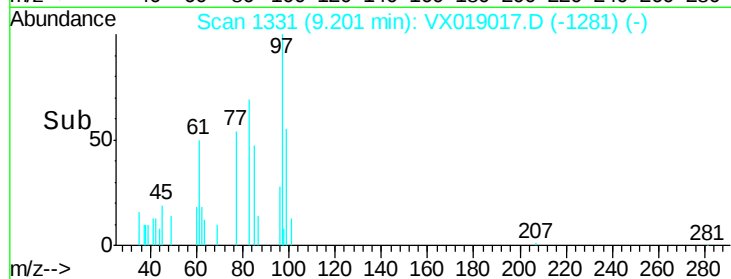
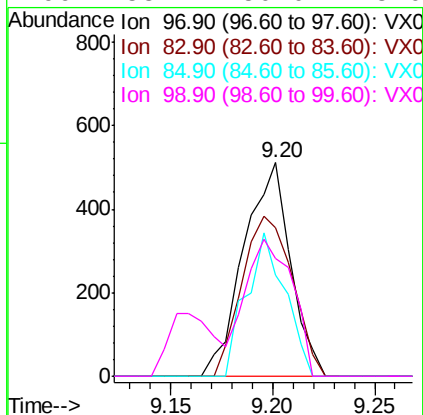
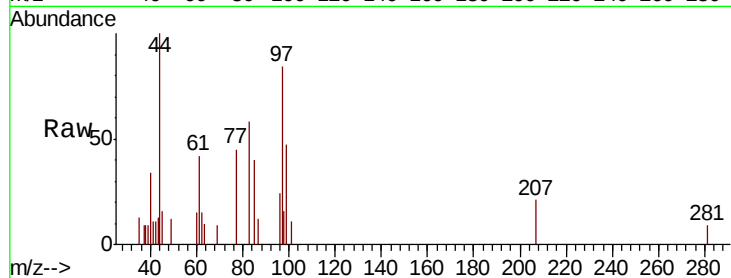




#55
 1,1,2-Trichloroethane
 Concen: 0.310 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

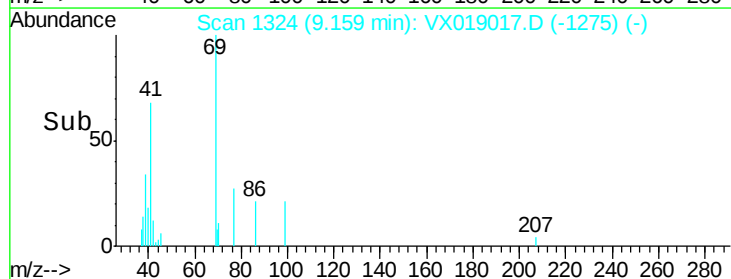
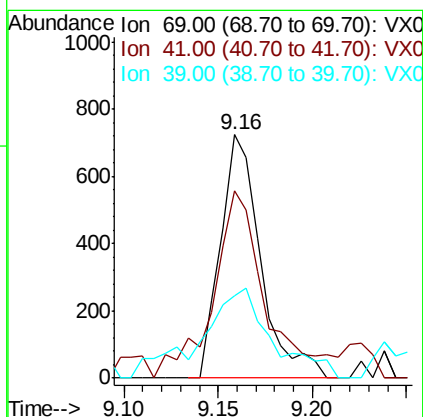
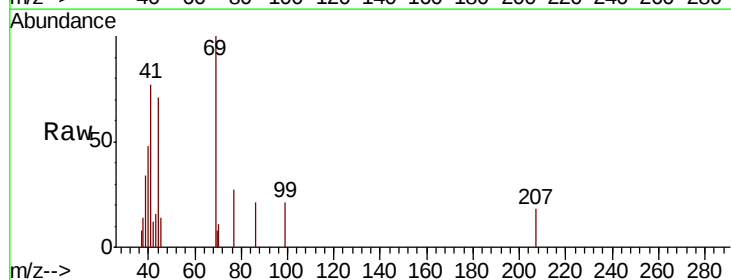
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

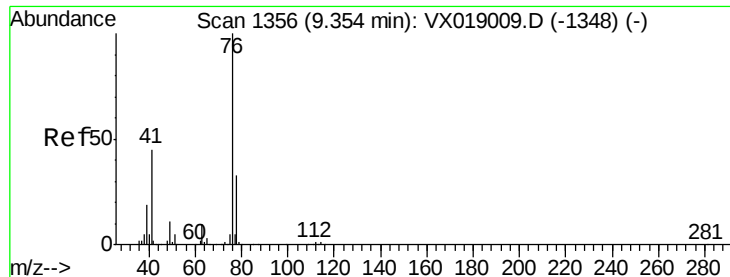
Tot Ion:	97	Resp:	814
Ion	Ratio	Lower	Upper
97	100		
83	69.5	65.4	98.2
85	47.4	43.3	64.9
99	55.4	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 0.284 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Tgt Ion:	69	Resp:	1071
Ion	Ratio	Lower	Upper
69	100		
41	96.5	41.1	61.7#
39	65.9	24.6	37.0#





#57

1,3-Dichloropropane

Concen: 0.321 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

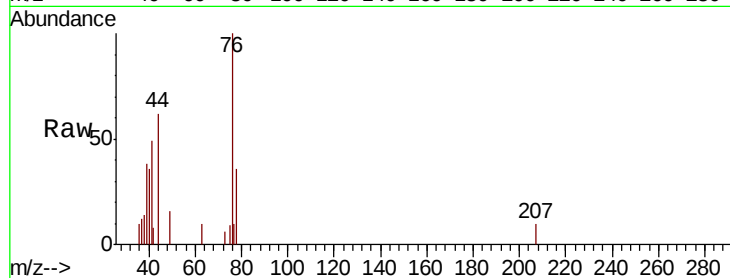
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 1335

Ion Ratio Lower Upper

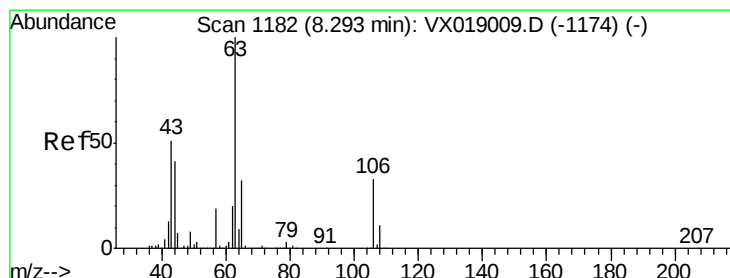
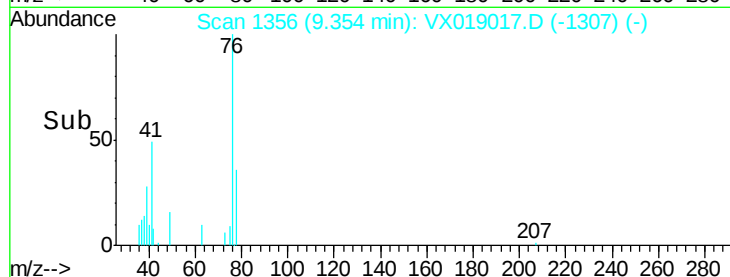
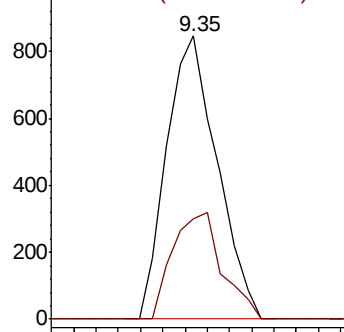
76 100

78 36.9 26.2 39.4



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: 1.755 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX019017.D

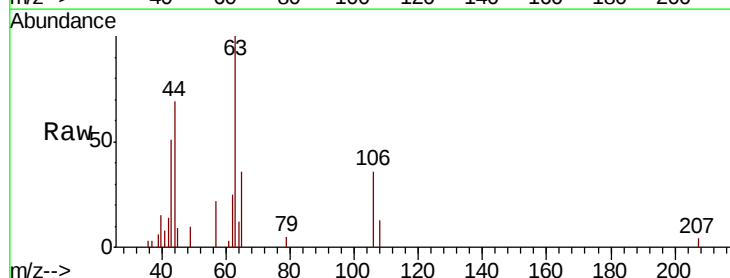
Acq: 22 Oct 2020 11:31

Tgt Ion: 63 Resp: 3480

Ion Ratio Lower Upper

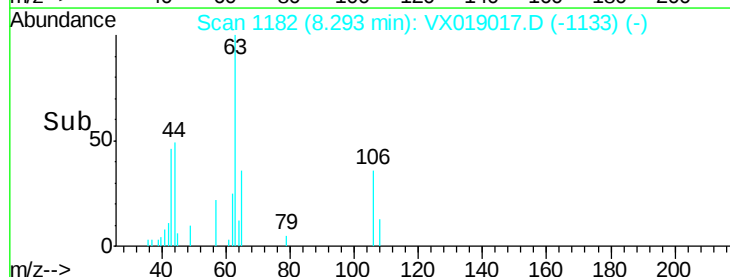
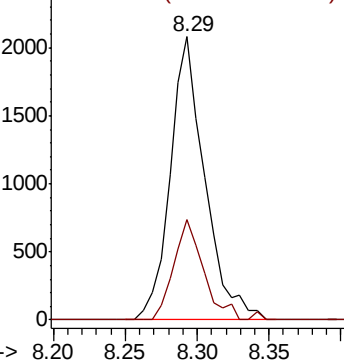
63 100

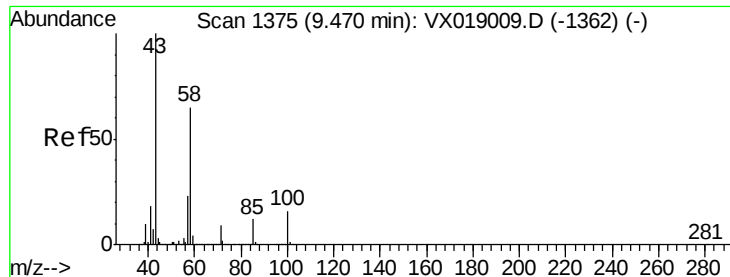
106 30.4 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

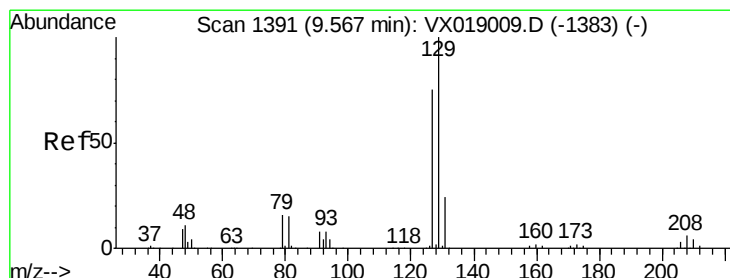
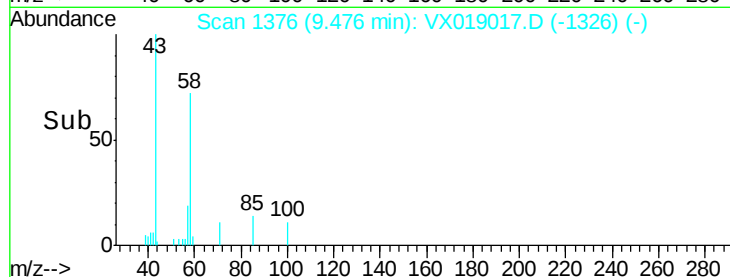
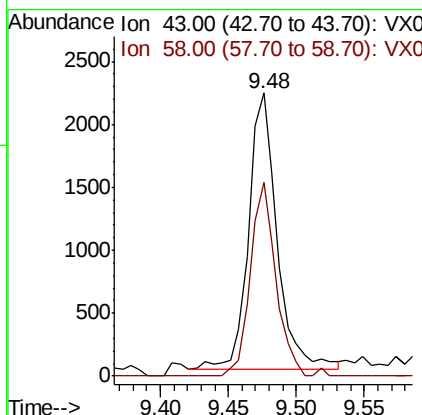
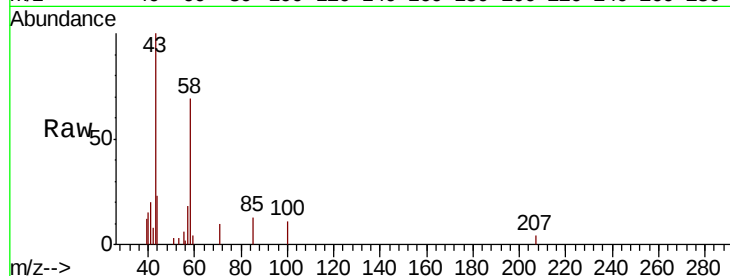




#59
2-Hexanone
Concen: 1.533 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

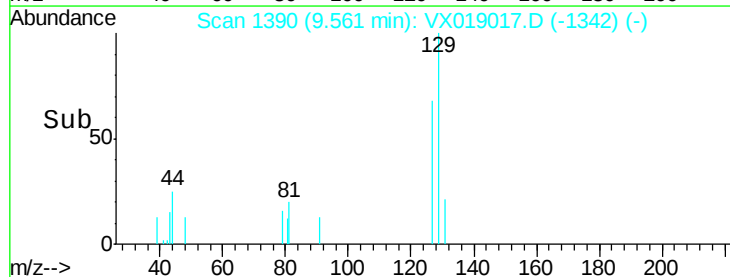
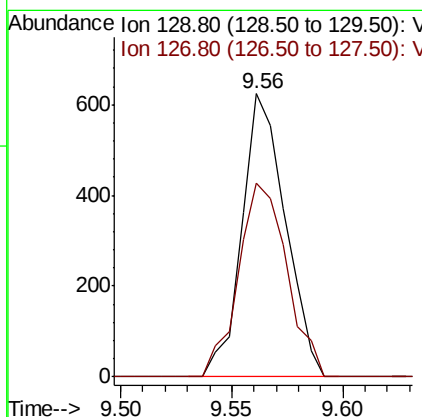
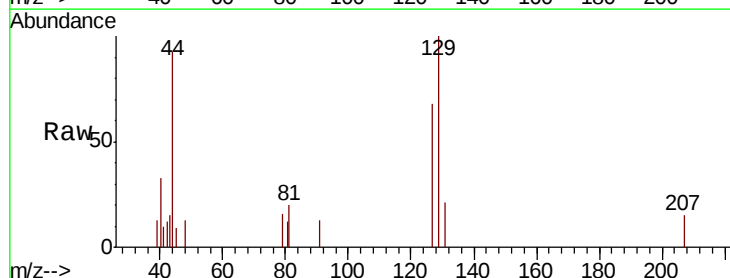
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

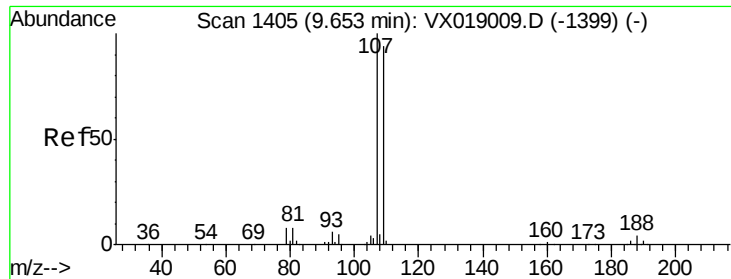
Tot Ion: 43 Resp: 3220
Ion Ratio Lower Upper
43 100
58 62.8 32.8 98.4



#60
Dibromochloromethane
Concen: 0.297 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 129 Resp: 849
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 0.289 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

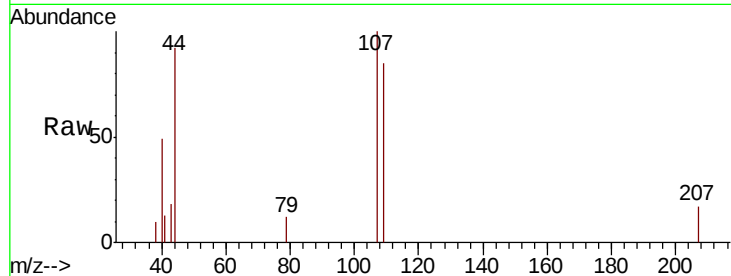
LOD-MDL-WATER-01-QT4-2020

Tot Ion:107 Resp: 810

Ion Ratio Lower Upper

107 100

109 94.0 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

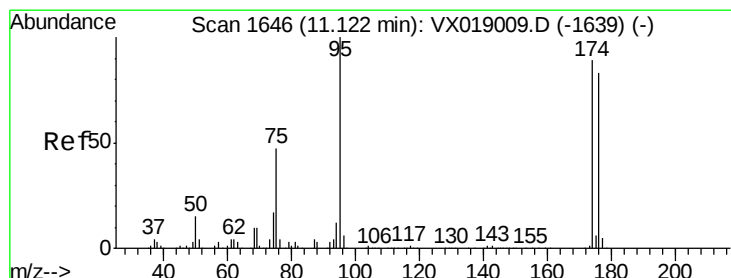
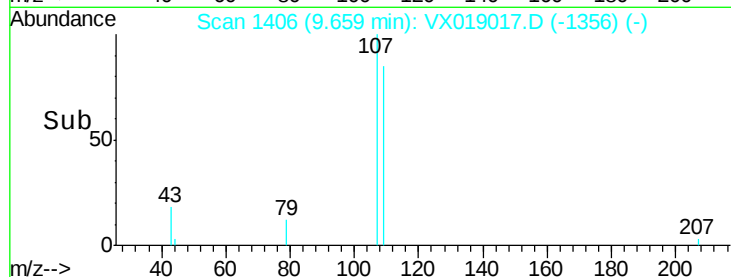
600

400

200

0

Time--> 9.60 9.65 9.70



#62

4-Bromofluorobenzene

Concen: 55.737 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

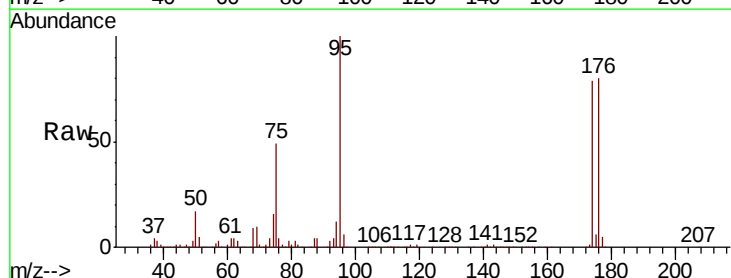
Tgt Ion: 95 Resp: 176604

Ion Ratio Lower Upper

95 100

174 80.8 0.0 167.6

176 79.5 0.0 165.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

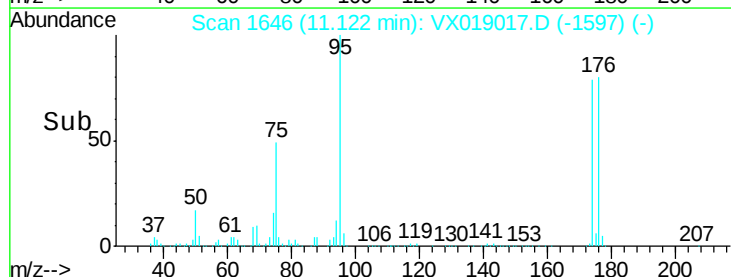
150000

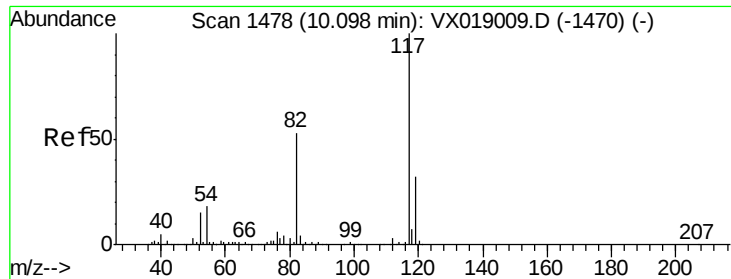
100000

50000

0

Time--> 11.10 11.20

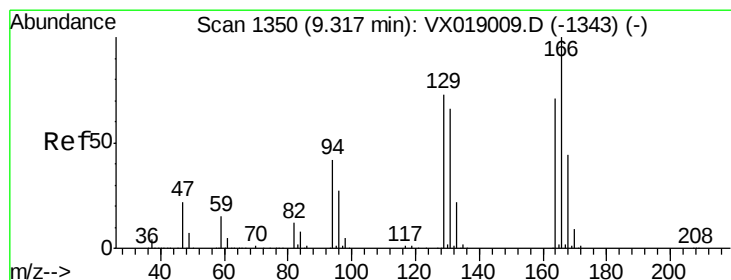
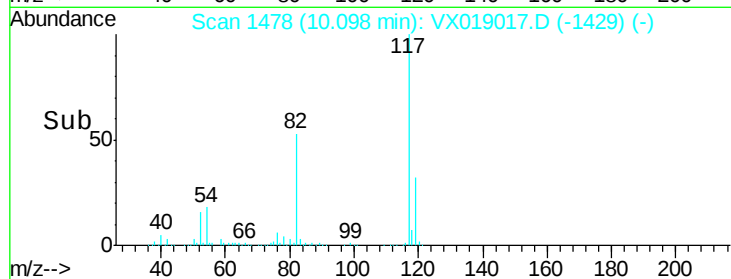
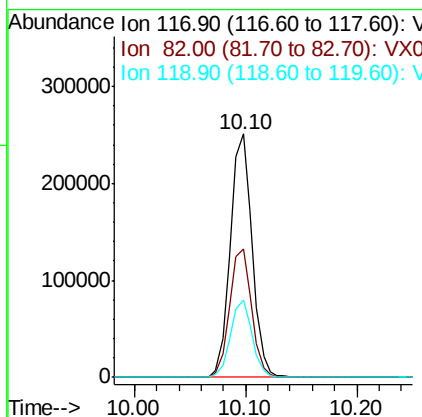
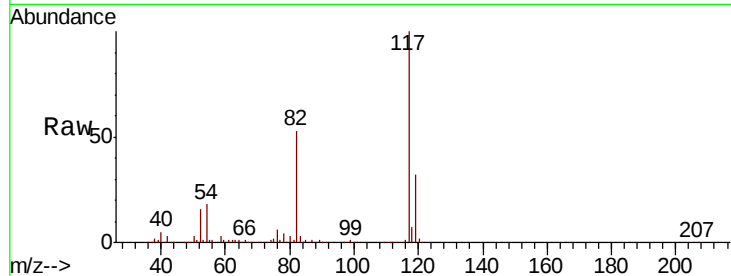




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

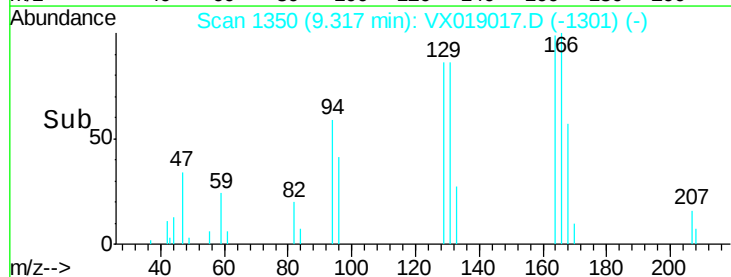
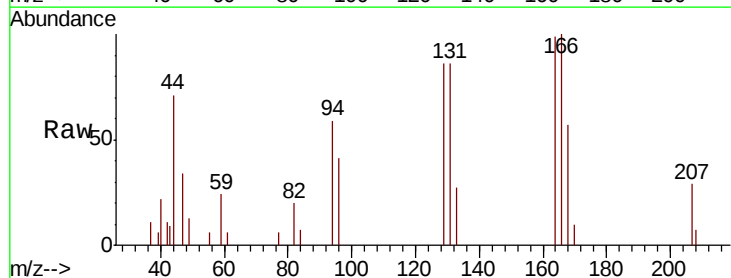
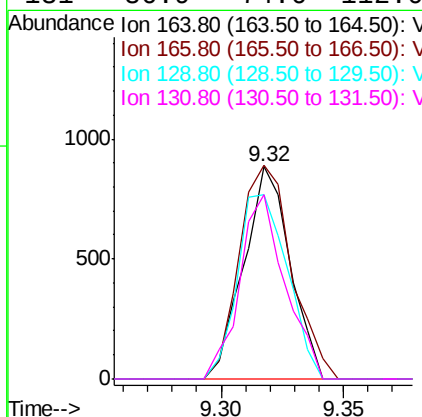
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

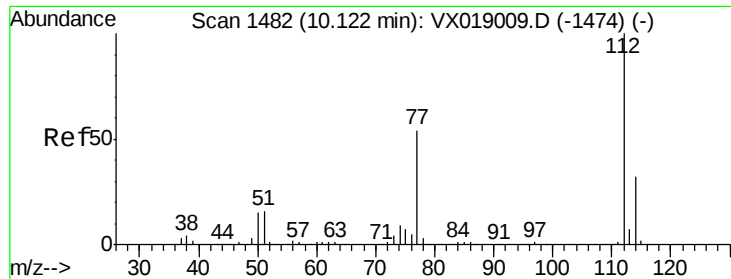
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.4	63.6
119	31.9	25.6	38.4



#64
Tetrachloroethene
Concen: 0.452 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	100.7	112.2	168.4#
129	86.9	81.8	122.8
131	86.9	74.6	112.0

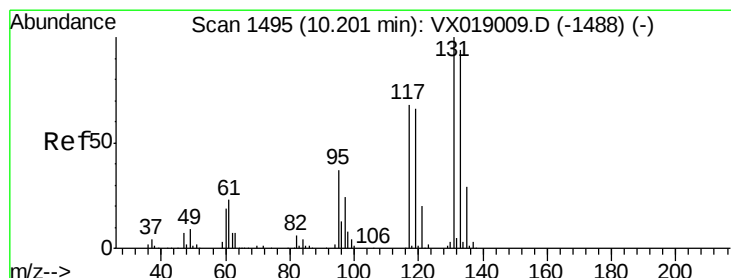
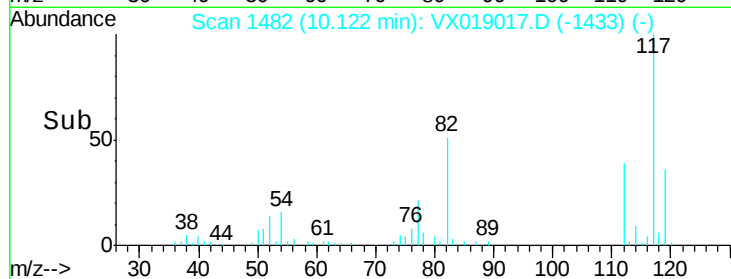
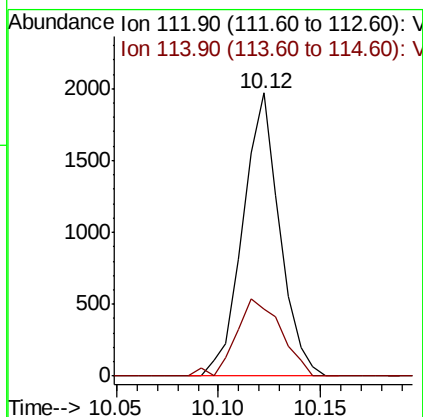
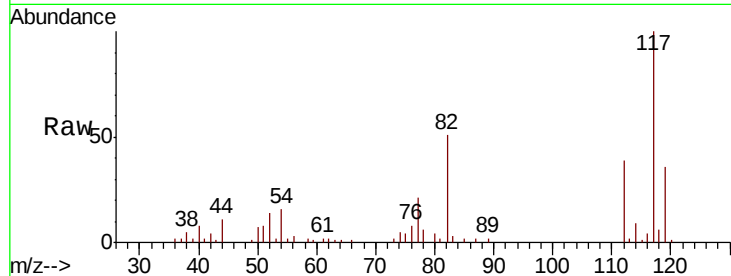




#65
Chlorobenzene
Concen: 0.346 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

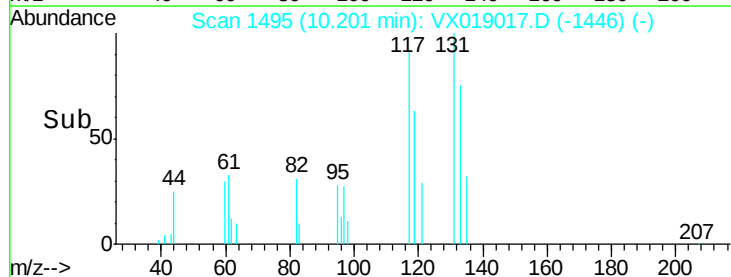
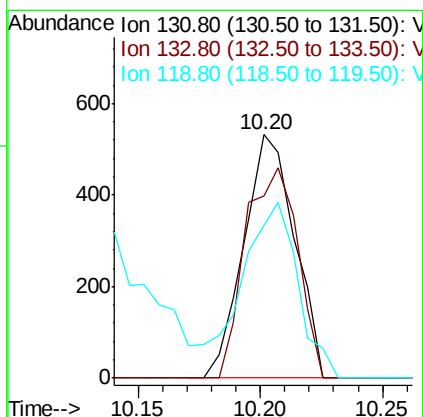
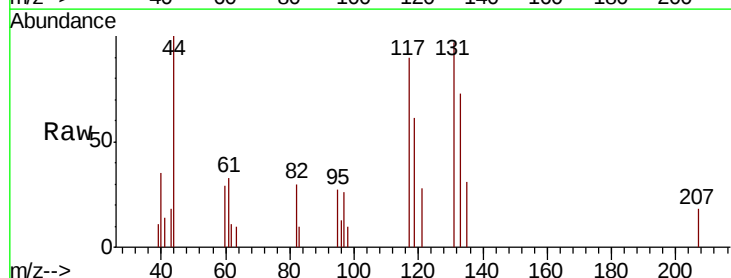
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

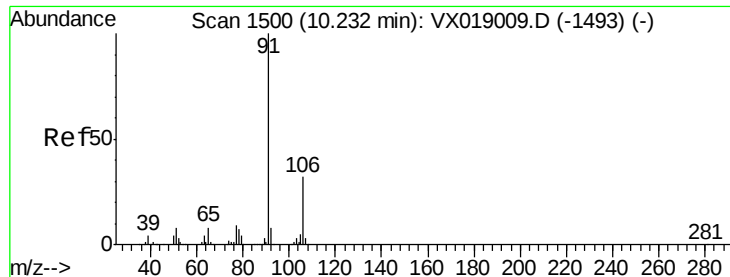
Tot Ion:112 Resp: 2467
Ion Ratio Lower Upper
112 100
114 23.8 25.5 38.3#



#66
1,1,1,2-Tetrachloroethane
Concen: 0.304 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion:131 Resp: 771
Ion Ratio Lower Upper
131 100
133 88.8 47.0 141.2
119 0.0 32.9 98.7#

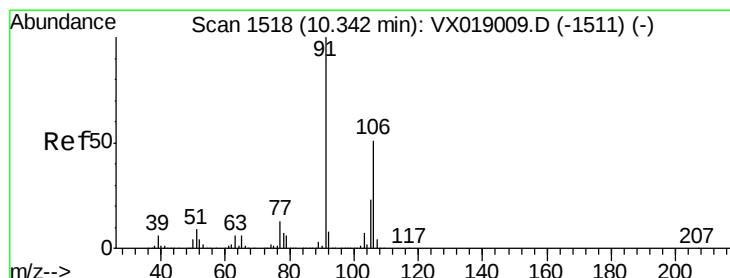
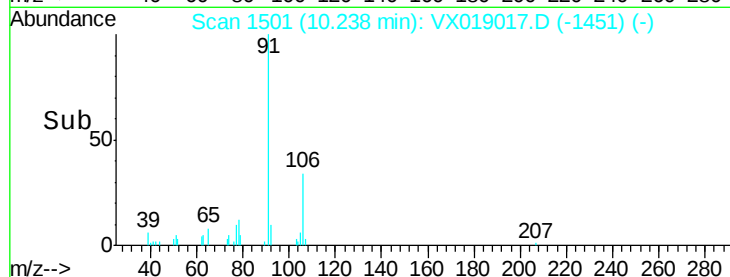
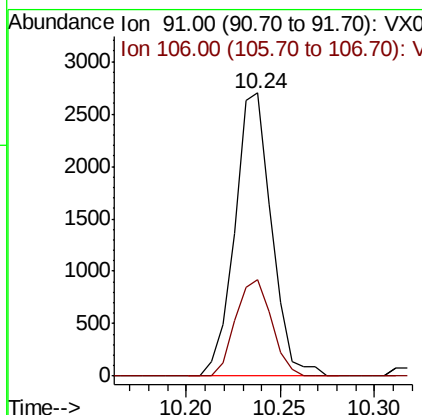
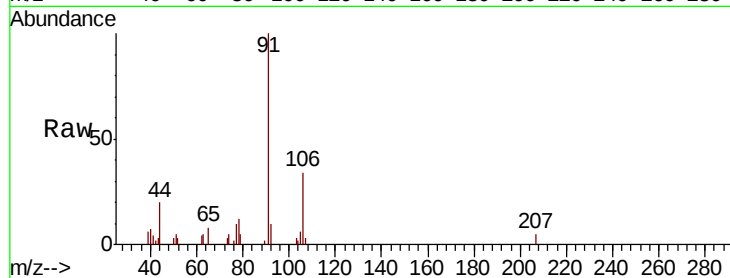




#67
Ethyl Benzene
Concen: 0.297 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

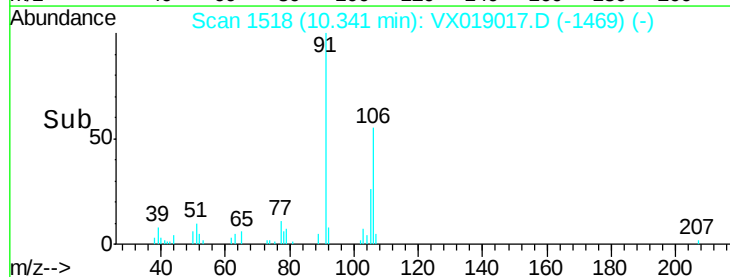
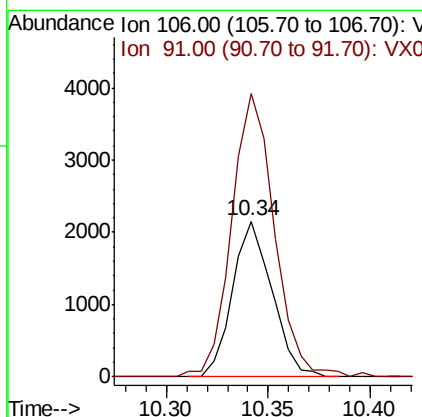
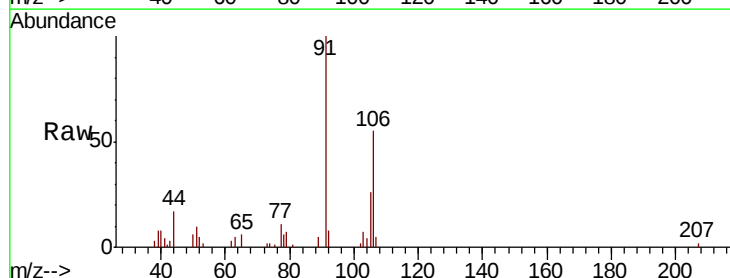
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

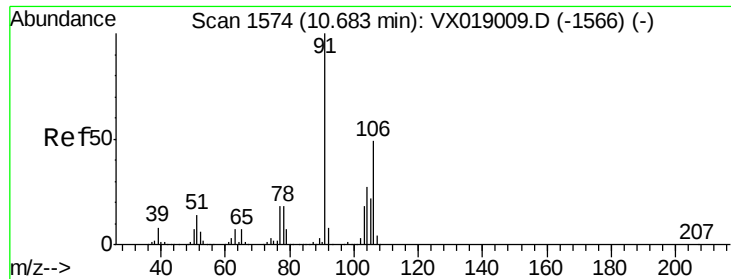
Tot Ion: 91 Resp: 3649
Ion Ratio Lower Upper
91 100
106 34.0 25.3 37.9



#68
m/p-Xylenes
Concen: 0.615 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 106 Resp: 2894
Ion Ratio Lower Upper
106 100
91 196.7 156.9 235.3

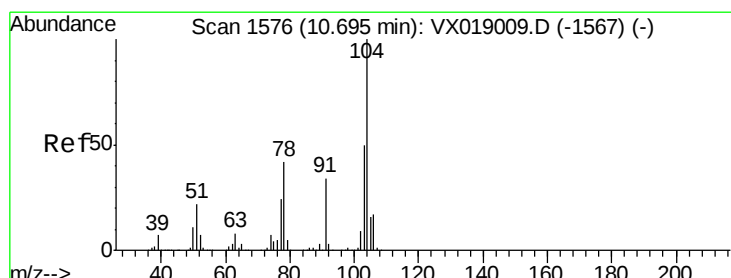
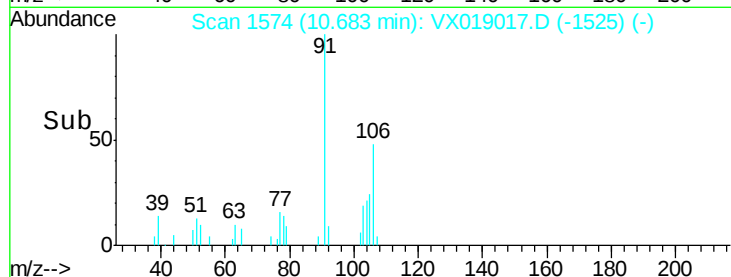
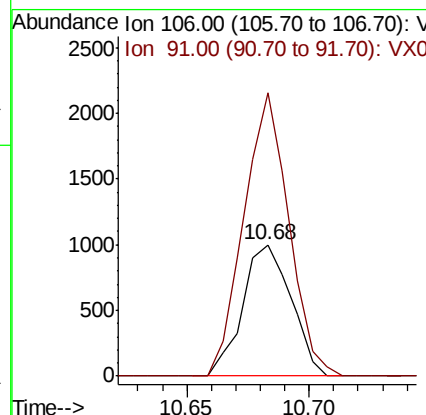
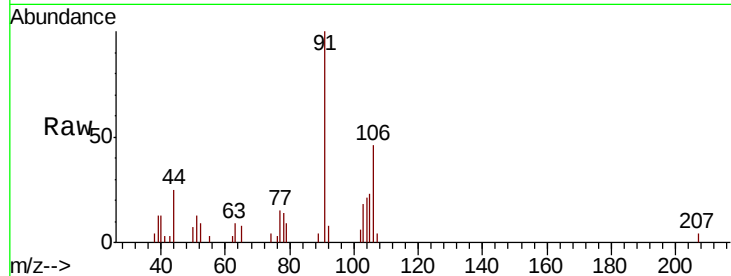




#69
o-Xylene
Concen: 0.305 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

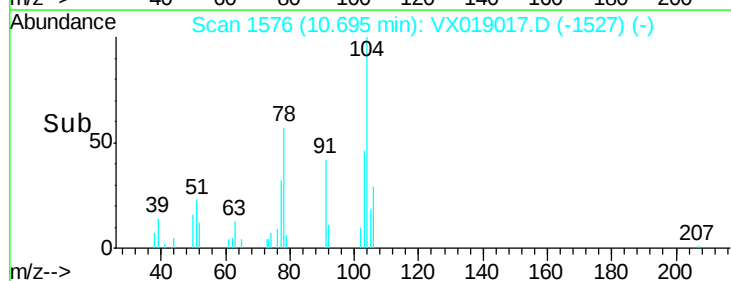
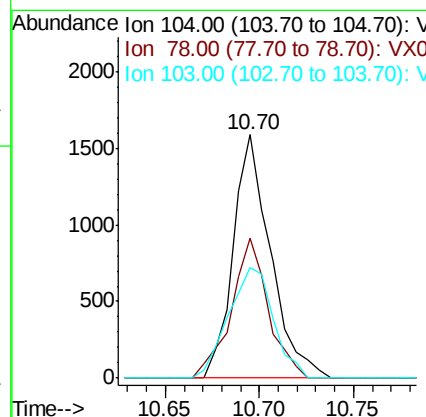
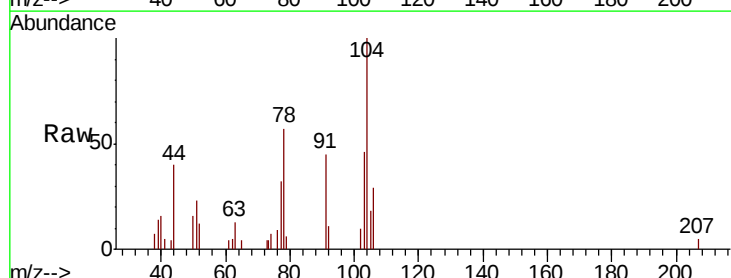
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

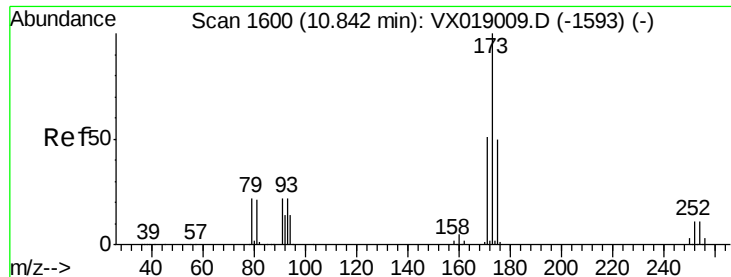
Tot Ion:106 Resp: 1371
Ion Ratio Lower Upper
106 100
91 200.5 104.0 312.0



#70
Styrene
Concen: 0.286 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion:104 Resp: 2187
Ion Ratio Lower Upper
104 100
78 56.6 37.7 56.5#
103 54.5 43.5 65.3

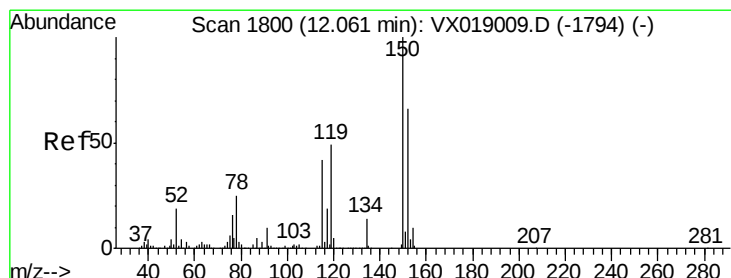
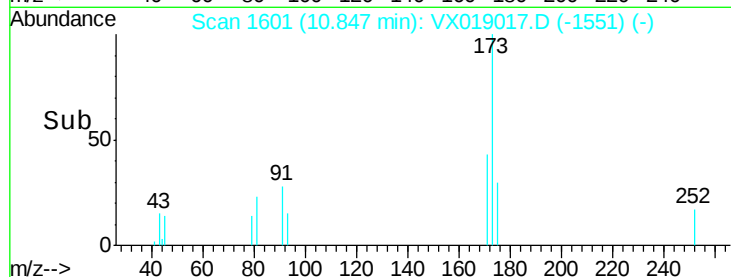
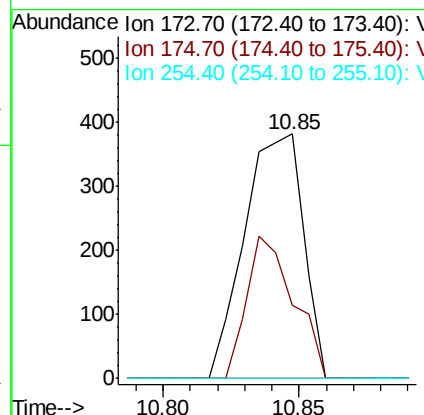
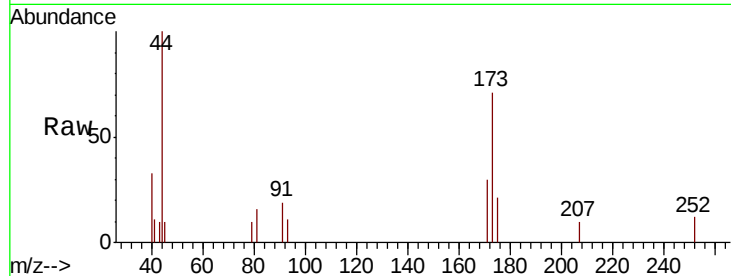




#71
Bromoform
Concen: 0.279 ug/l
RT: 10.85 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

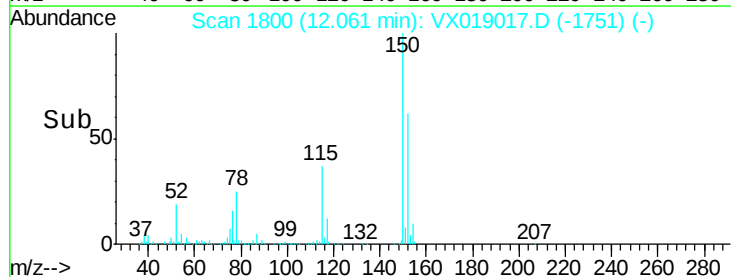
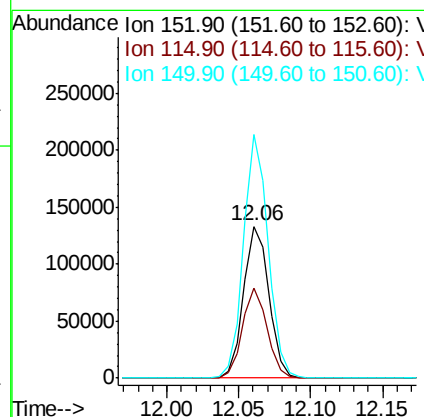
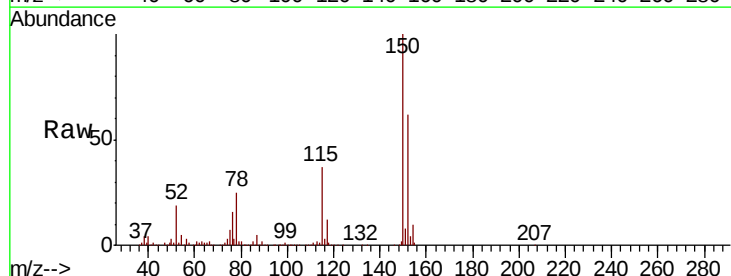
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

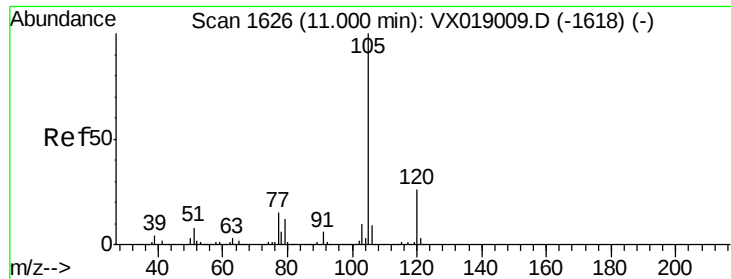
Tot Ion:173 Resp: 570
Ion Ratio Lower Upper
173 100
175 46.3 24.1 72.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion:152 Resp: 162885
Ion Ratio Lower Upper
152 100
115 58.3 40.8 122.5
150 156.2 0.0 345.6





#73

Isopropylbenzene

Concen: 0.294 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

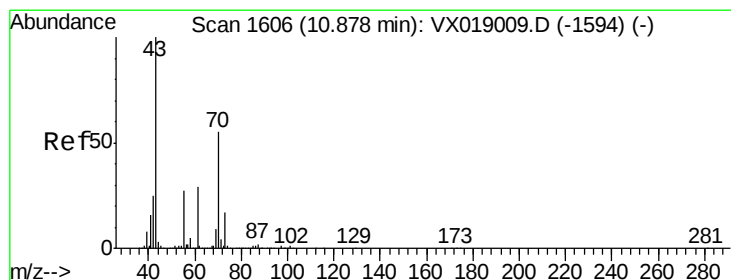
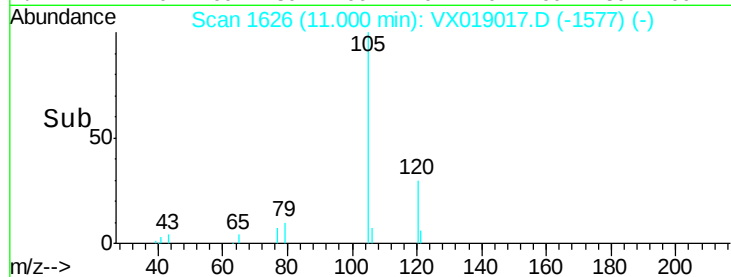
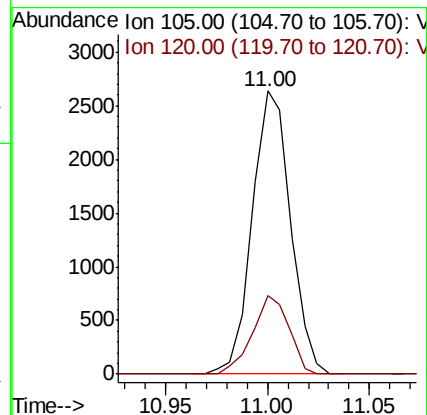
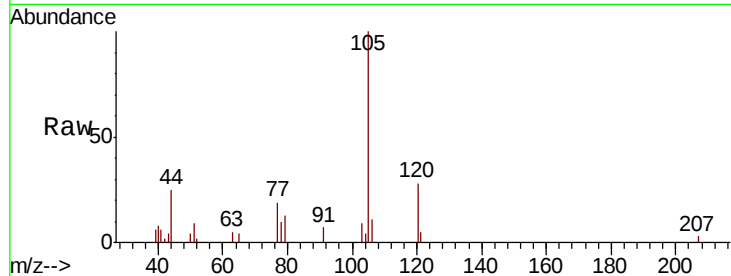
LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 3449

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.1



#74

N-ethyl acetate

Concen: 0.351 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Tgt Ion: 43 Resp: 1317

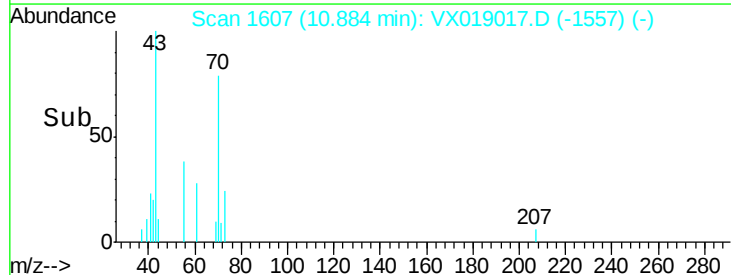
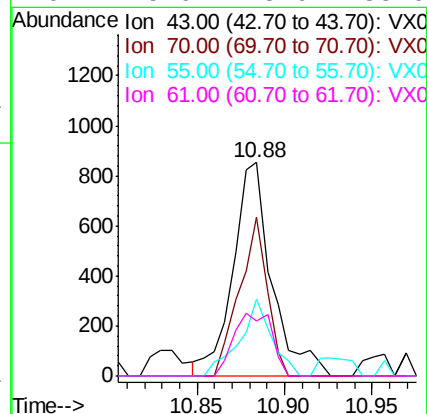
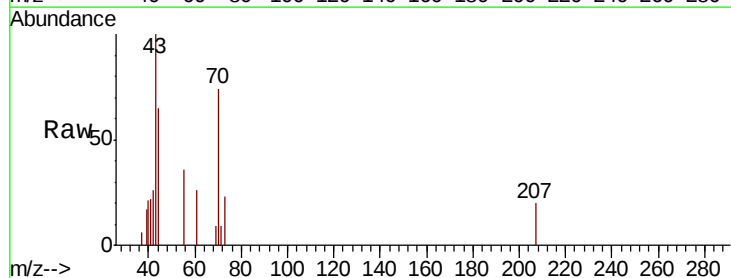
Ion Ratio Lower Upper

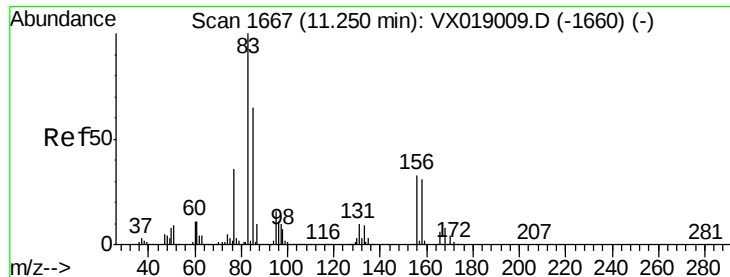
43 100

70 53.5 44.5 66.7

55 29.7 21.9 32.9

61 28.9 23.9 35.9





#75

1,1,2,2-Tetrachloroethane

Concen: 0.313 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

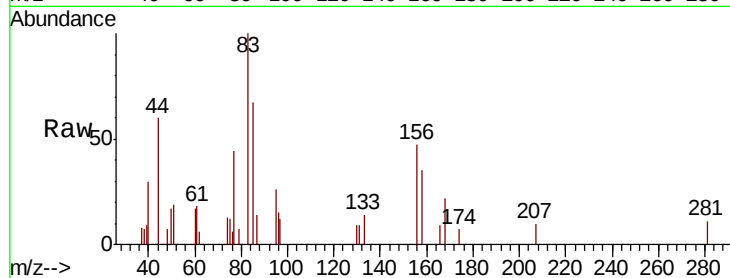
Tot Ion: 83 Resp: 1106

Ion Ratio Lower Upper

83 100

131 4.3 5.1 15.4#

85 66.0 32.3 96.8



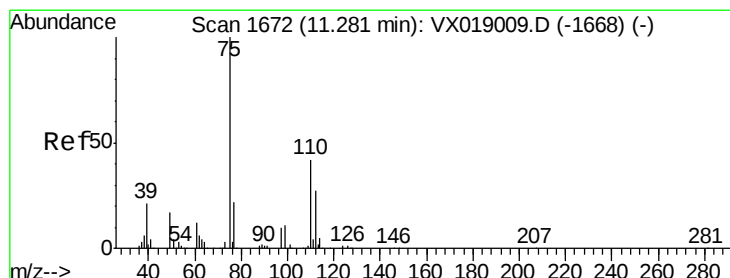
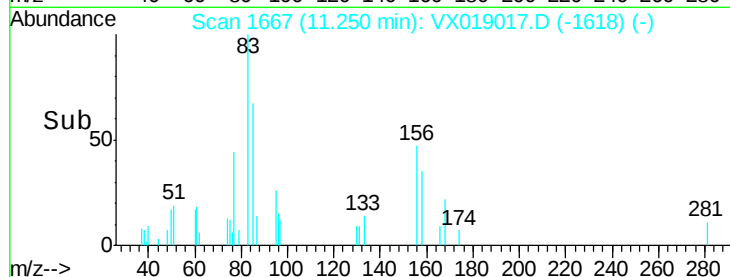
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.25

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.771 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019017.D

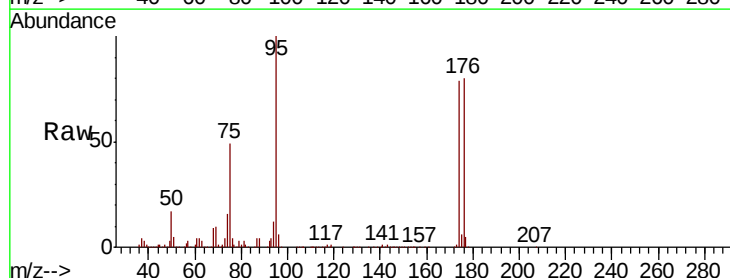
Acq: 22 Oct 2020 11:31

Tgt Ion: 75 Resp: 87154

Ion Ratio Lower Upper

75 100

77 1.3 20.7 62.1#

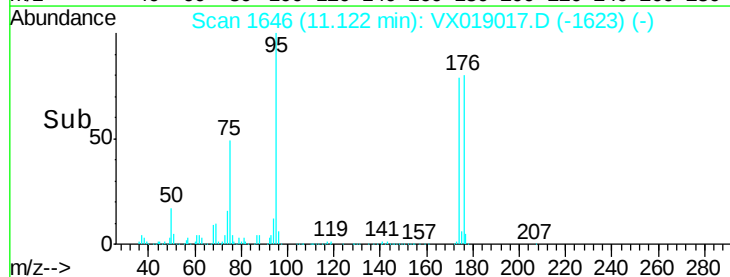


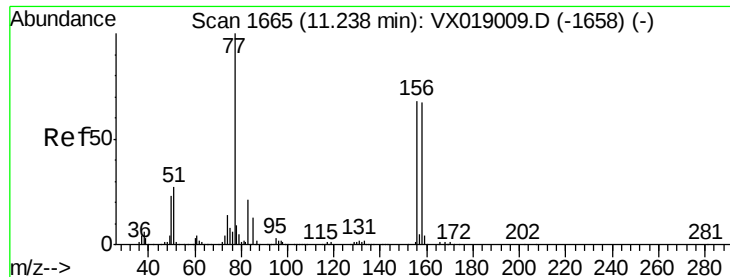
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

Time-->





#77

Bromobenzene

Concen: 0.331 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

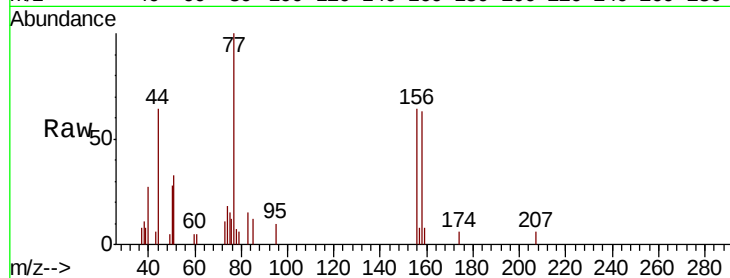
Tot Ion:156 Resp: 981

Ion Ratio Lower Upper

156 100

77 172.8 74.4 223.1

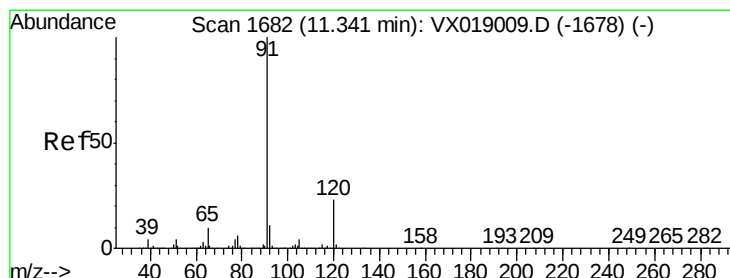
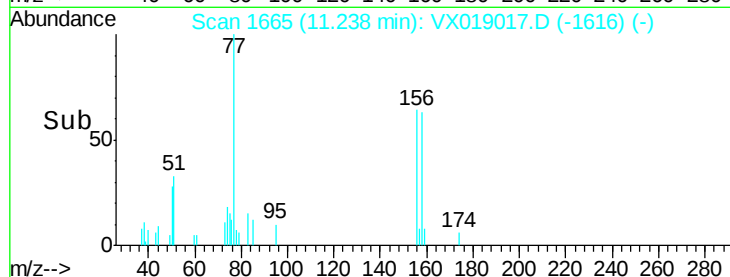
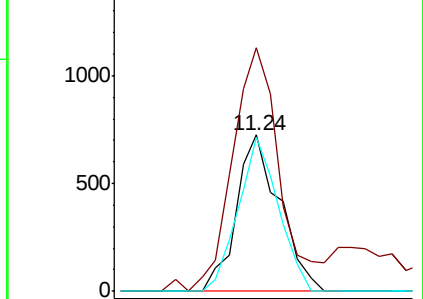
158 91.4 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.307 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019017.D

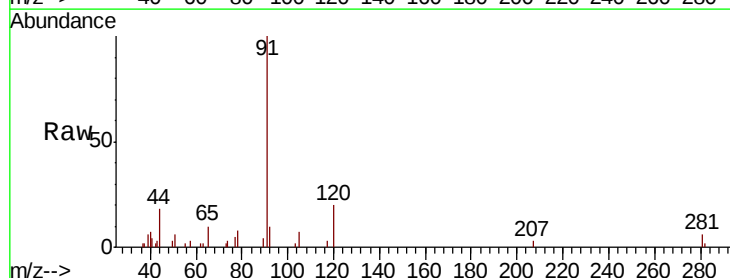
Acq: 22 Oct 2020 11:31

Tgt Ion: 91 Resp: 4078

Ion Ratio Lower Upper

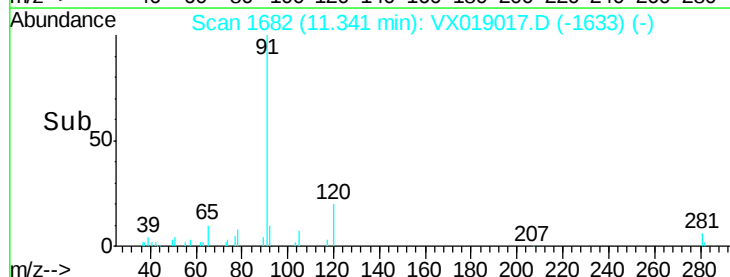
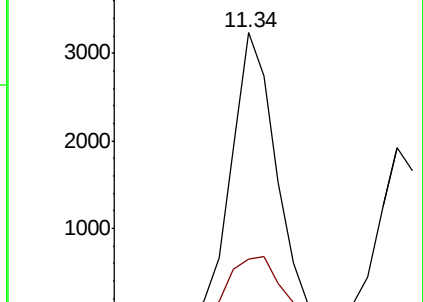
91 100

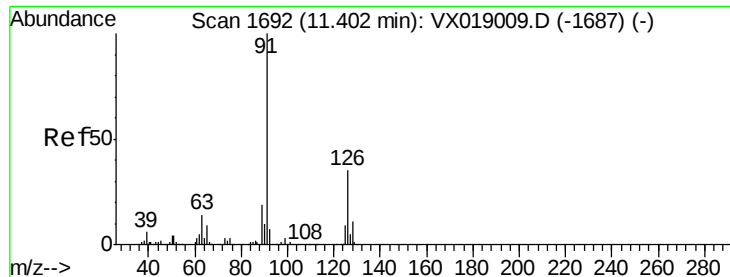
120 22.8 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.321 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

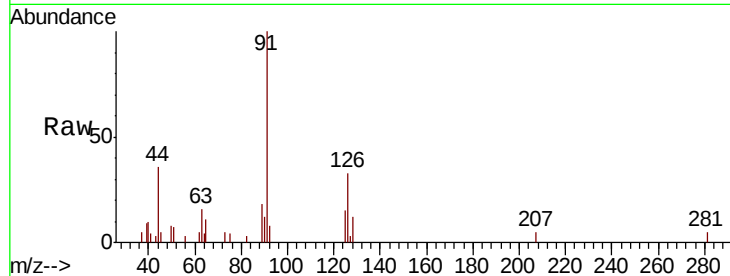
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 2485

Ion Ratio Lower Upper

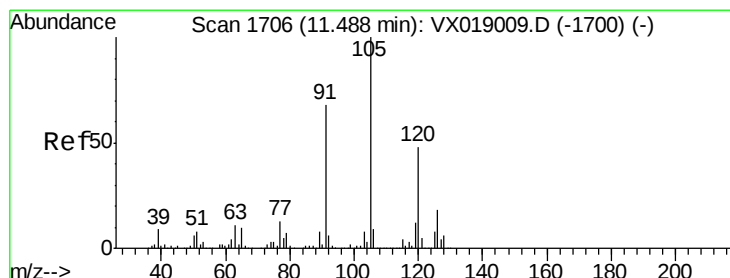
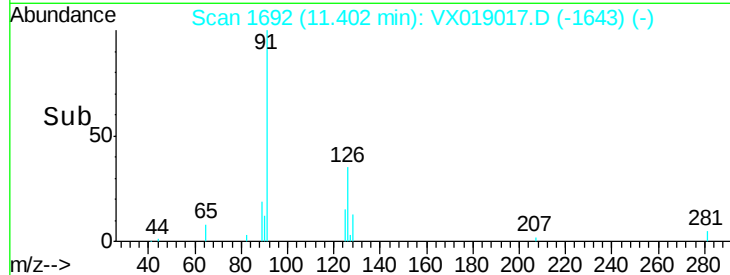
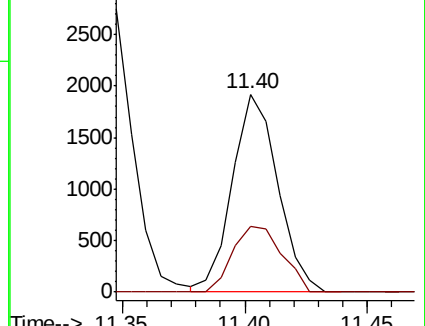
91 100

126 36.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX019009.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX019009.D (-1687) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.291 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019017.D

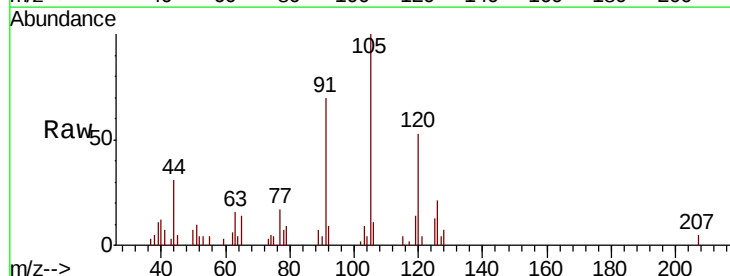
Acq: 22 Oct 2020 11:31

Tgt Ion: 105 Resp: 2820

Ion Ratio Lower Upper

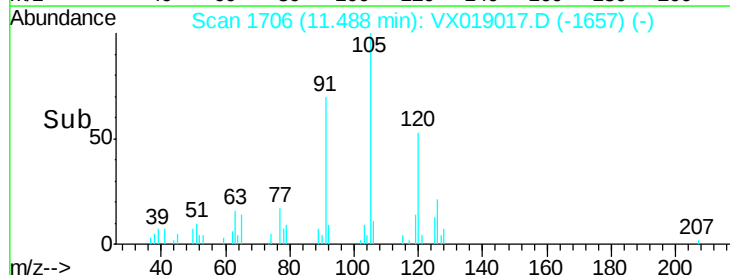
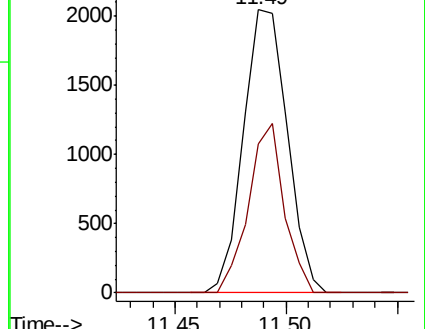
105 100

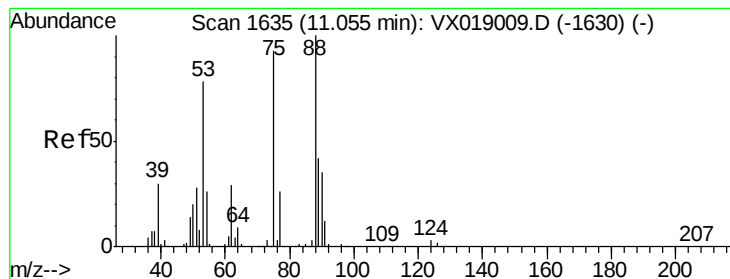
120 48.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX019009.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX019009.D (-1700) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 68.205 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

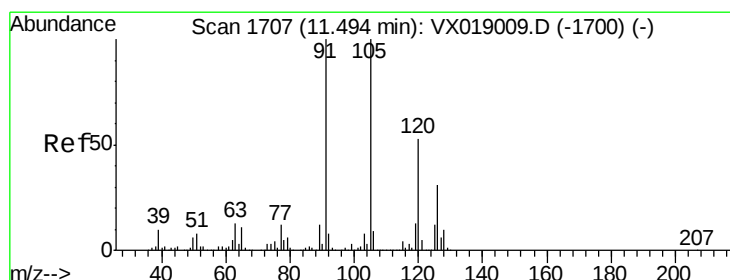
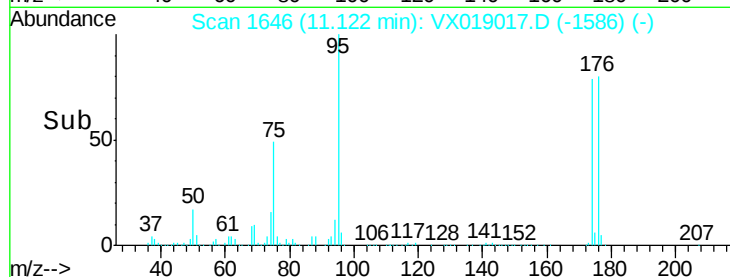
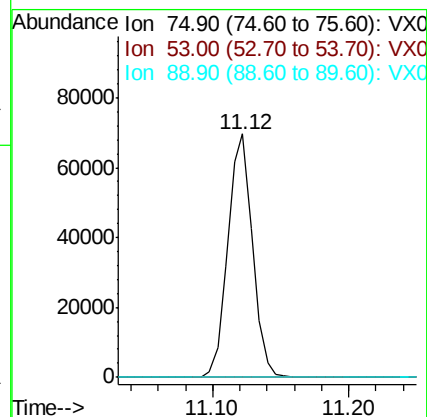
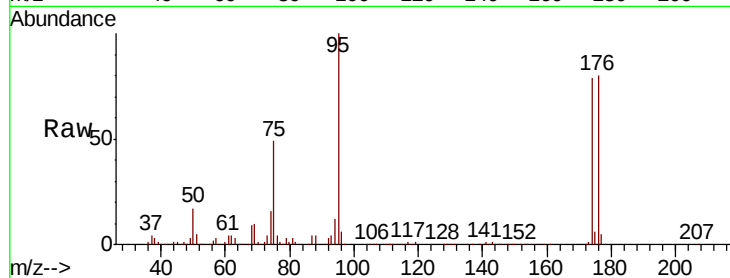
Tot Ion: 75 Resp: 87154

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 37.2 55.8#



#82

4-Chlorotoluene

Concen: 0.345 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019017.D

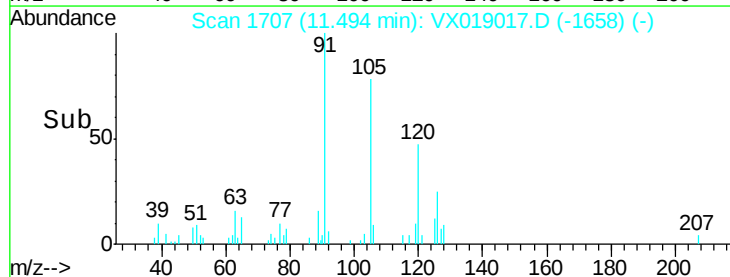
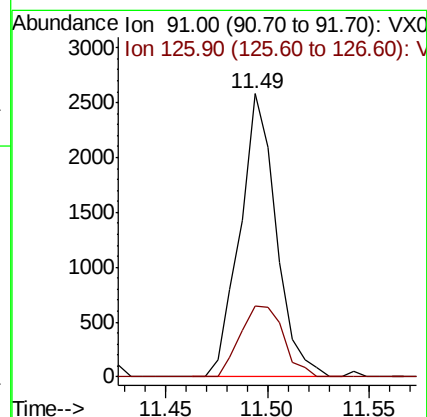
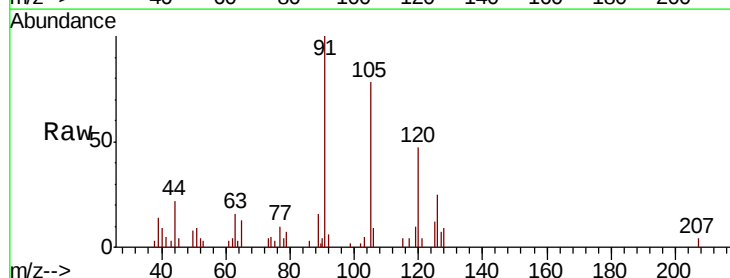
Acq: 22 Oct 2020 11:31

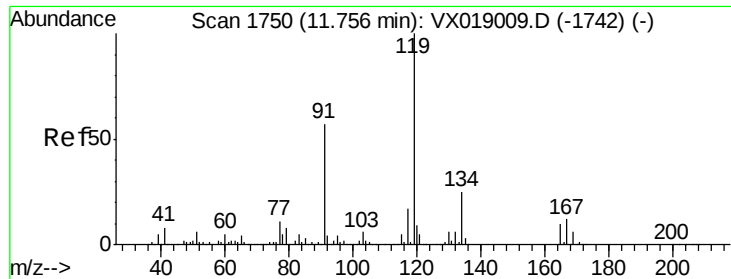
Tgt Ion: 91 Resp: 3178

Ion Ratio Lower Upper

91 100

126 30.0 15.6 46.7

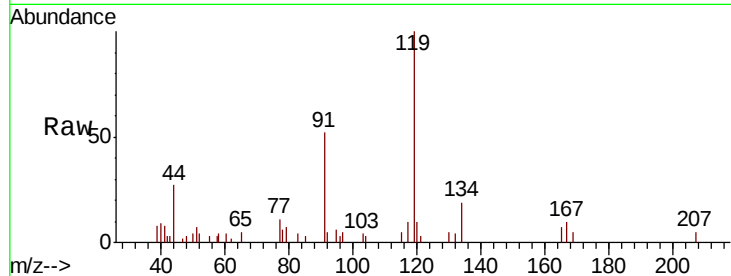




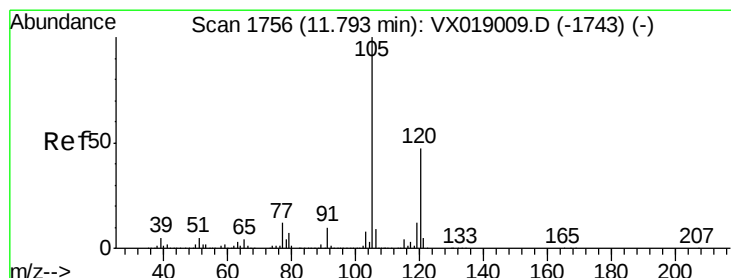
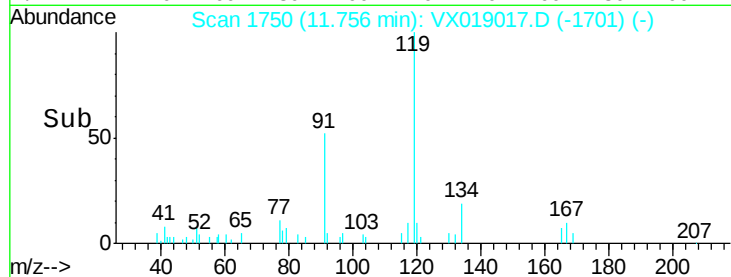
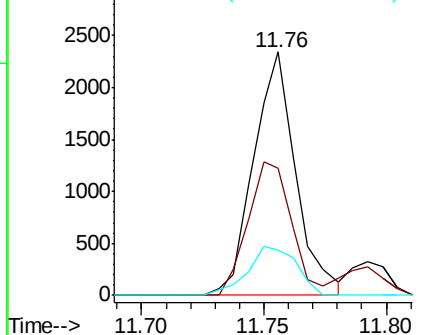
#83
 tert-Butylbenzene
 Concen: 0.295 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion:119 Resp: 2814
 Ion Ratio Lower Upper
 119 100
 91 56.8 28.1 84.4
 134 23.3 11.8 35.3

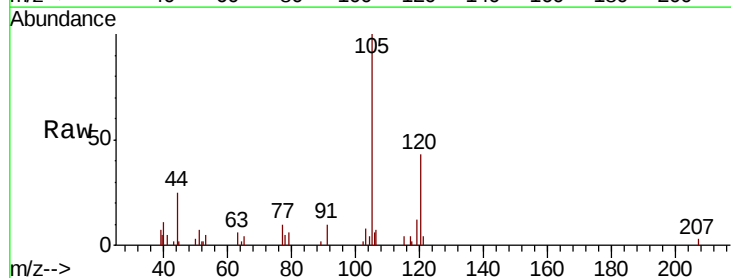


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

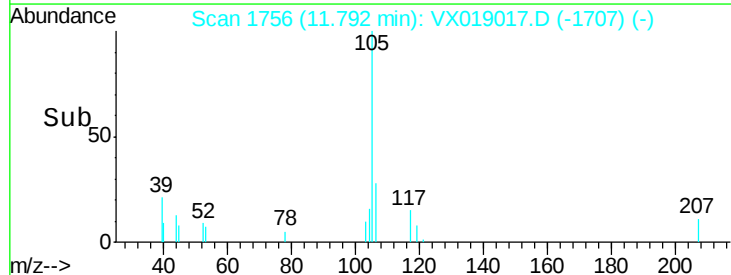
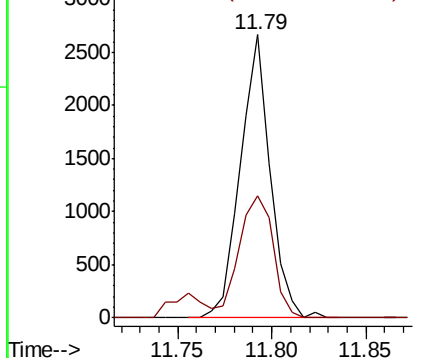


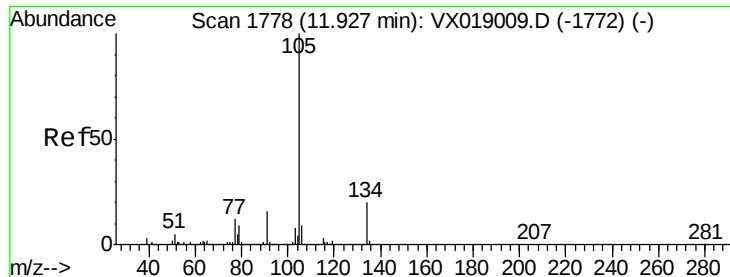
#84
 1,2,4-Trimethylbenzene
 Concen: 0.302 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Tgt Ion:105 Resp: 2928
 Ion Ratio Lower Upper
 105 100
 120 49.4 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.291 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

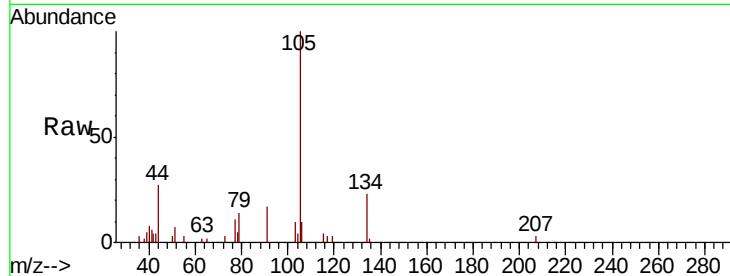
LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 3361

Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

2500

2000

1500

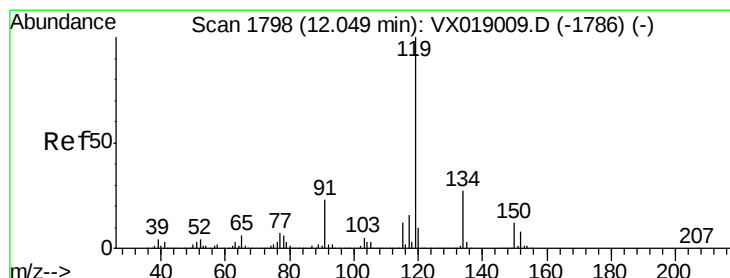
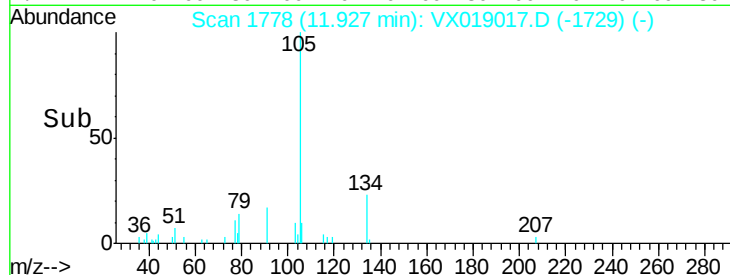
1000

500

0

Time-->

11.90 11.95



#86

p-Isopropyltoluene

Concen: 0.311 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

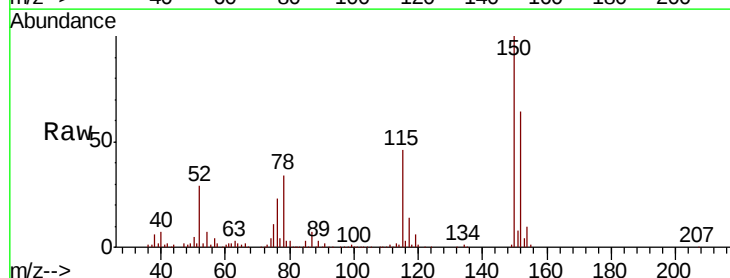
Tgt Ion:119 Resp: 3277

Ion Ratio Lower Upper

119 100

134 30.9 13.3 39.8

91 39.1 11.4 34.2#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.05

3000

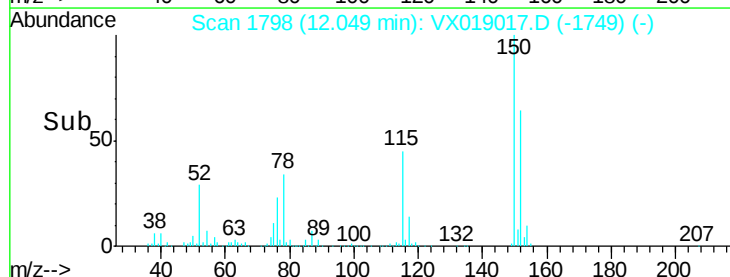
2000

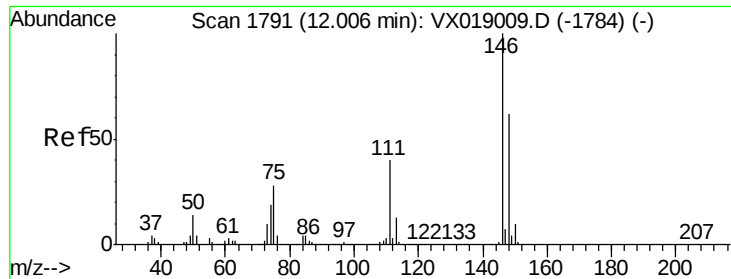
1000

0

Time-->

12.00 12.05 12.10





#87

1,3-Dichlorobenzene

Concen: 0.362 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

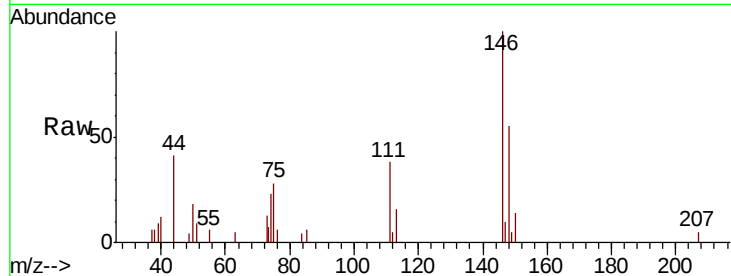
Tot Ion:146 Resp: 1963

Ion Ratio Lower Upper

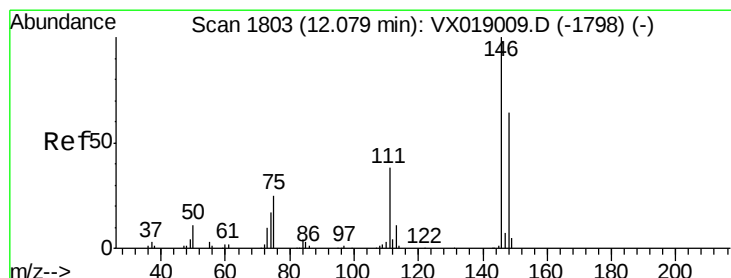
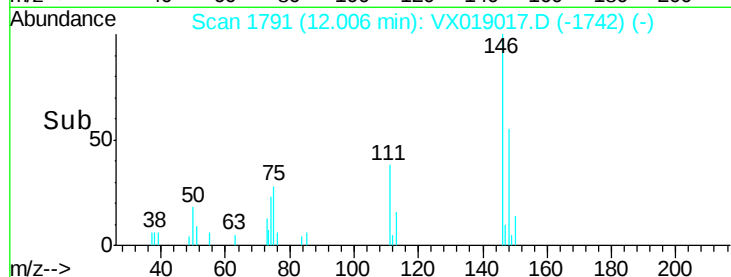
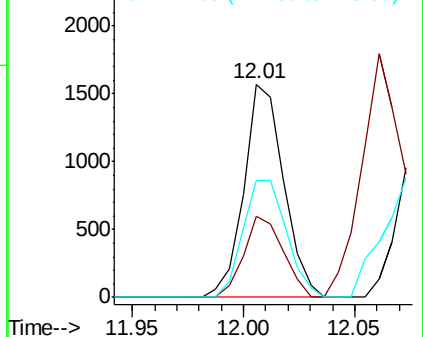
146 100

111 37.4 19.7 59.1

148 60.0 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 0.352 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.07 min

Lab File: VX019017.D

Acq: 22 Oct 2020 11:31

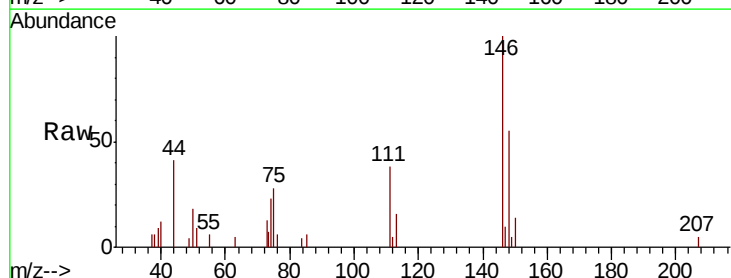
Tgt Ion:146 Resp: 1963

Ion Ratio Lower Upper

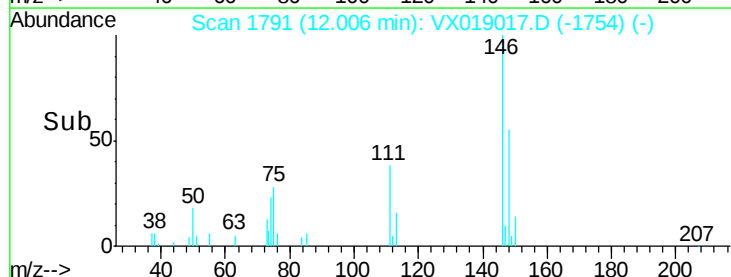
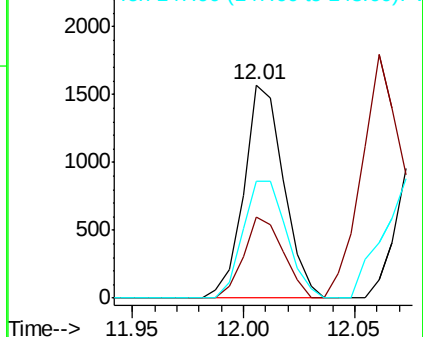
146 100

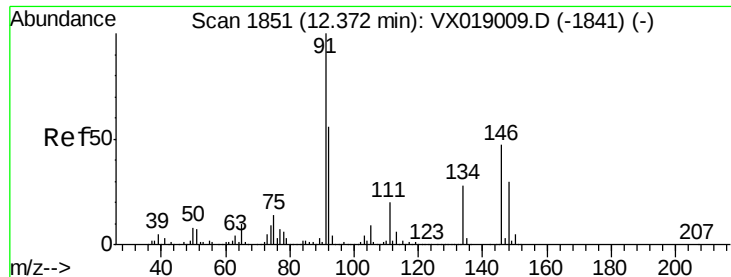
111 37.4 19.4 58.2

148 60.0 32.2 96.6



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

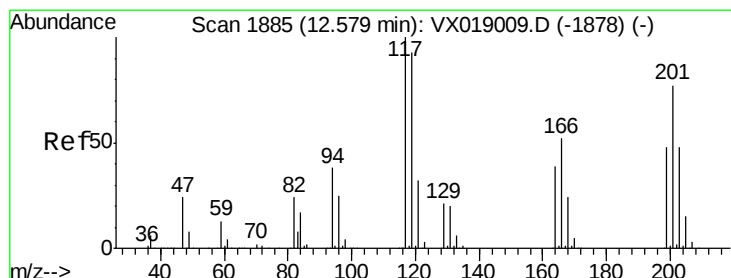
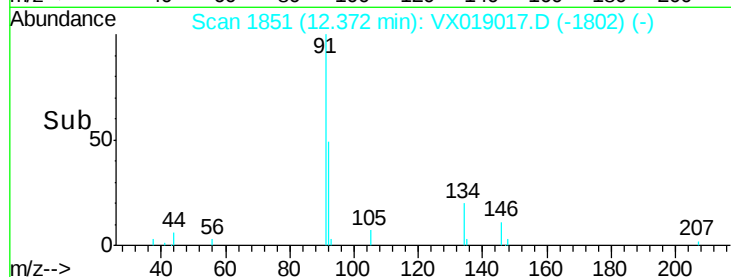
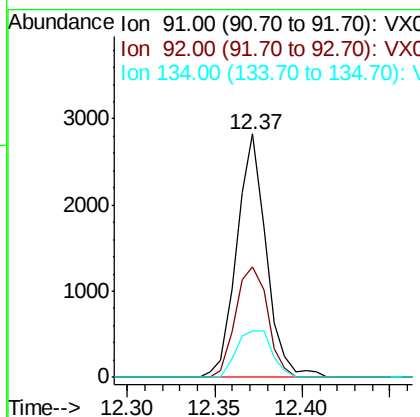
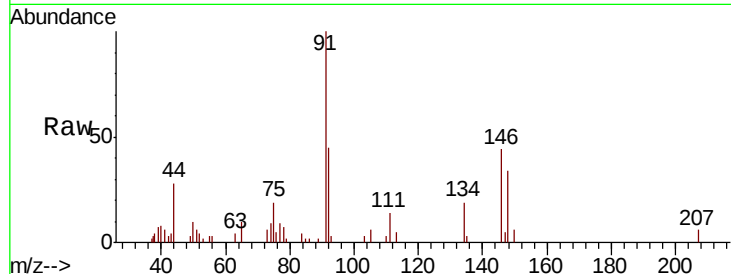




#89
n-Butylbenzene
Concen: 0.345 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

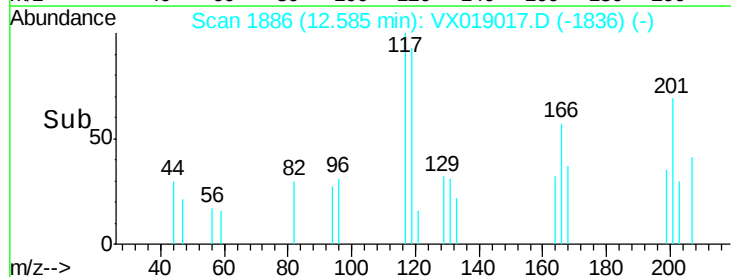
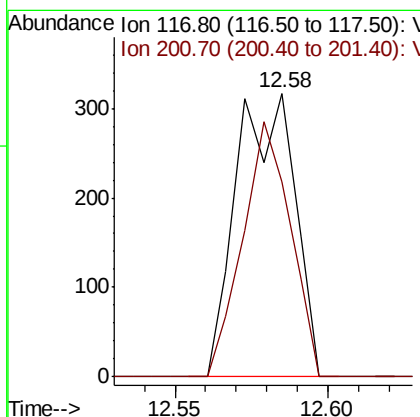
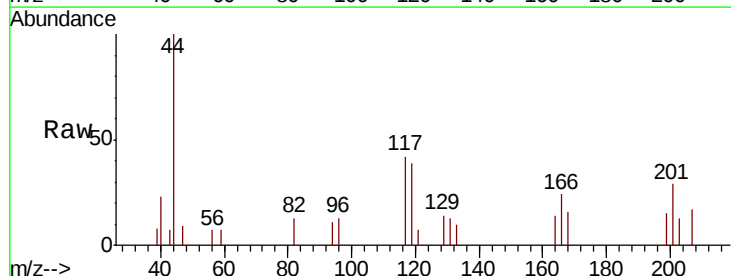
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

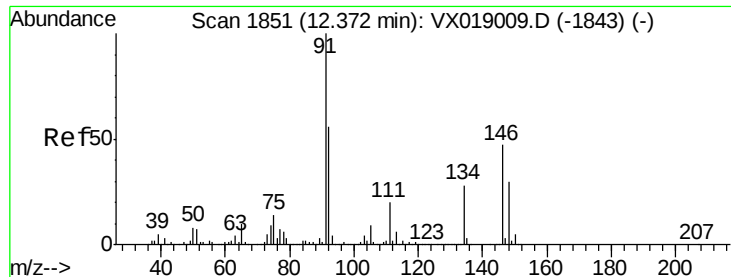
Tot Ion: 91 Resp: 3324
Ion Ratio Lower Upper
91 100
92 49.3 27.3 81.9
134 22.8 13.6 40.7



#90
Hexachloroethane
Concen: 0.259 ug/l
RT: 12.58 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion: 117 Resp: 418
Ion Ratio Lower Upper
117 100
201 73.7 37.1 111.3

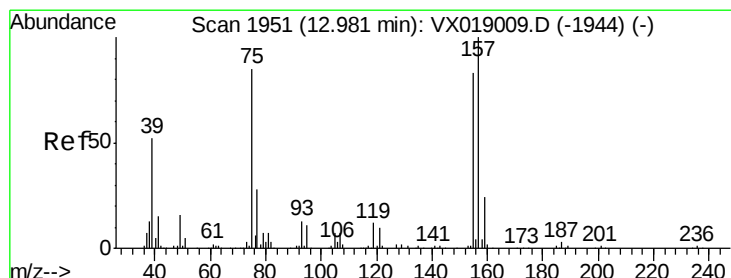
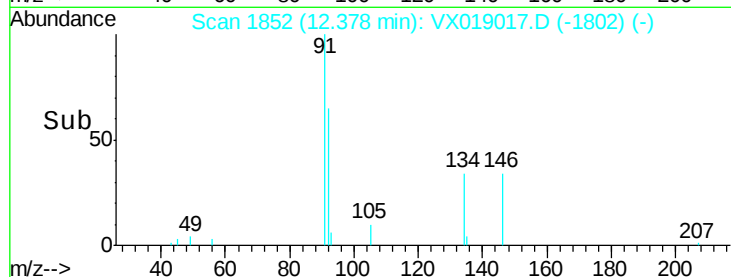
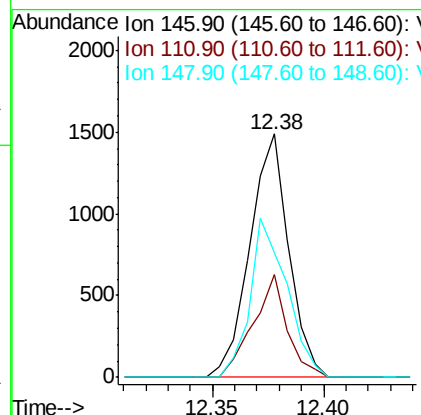
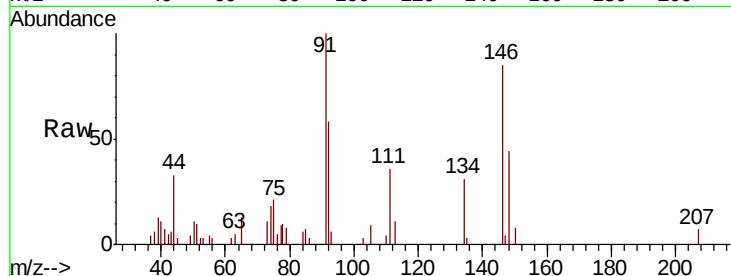




#91
 1,2-Dichlorobenzene
 Concen: 0.358 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

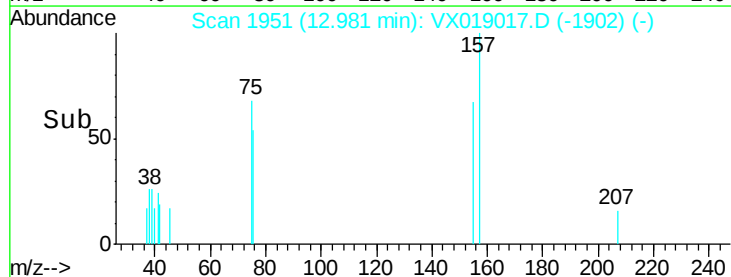
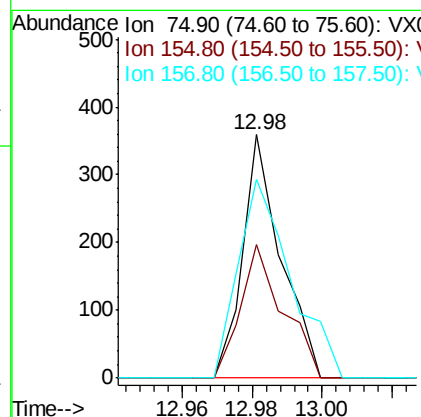
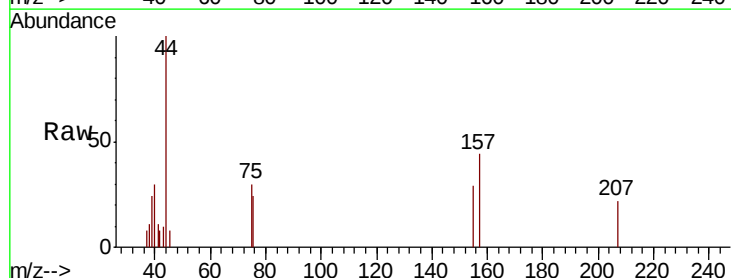
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

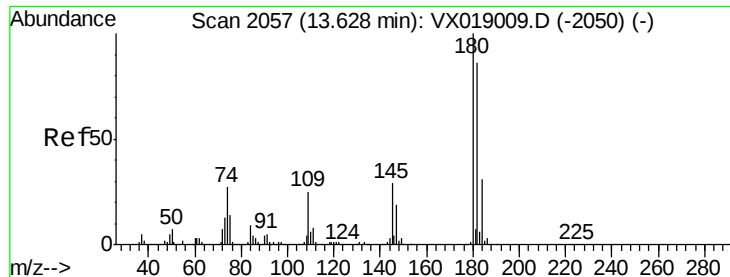
Tot Ion:146 Resp: 1813
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.9 59.7
 148 61.6 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.340 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Tgt Ion: 75 Resp: 273
 Ion Ratio Lower Upper
 75 100
 155 60.8 47.3 142.0
 157 112.1 59.7 179.0

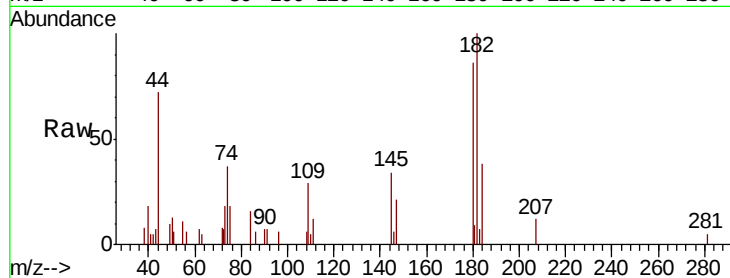




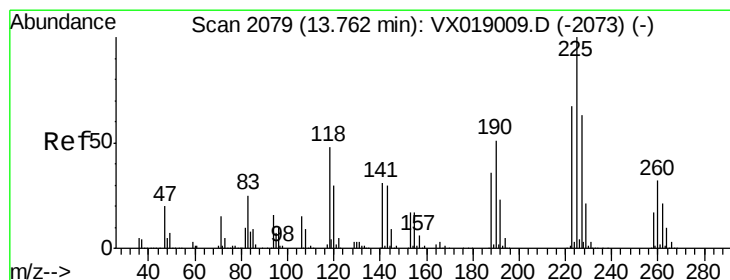
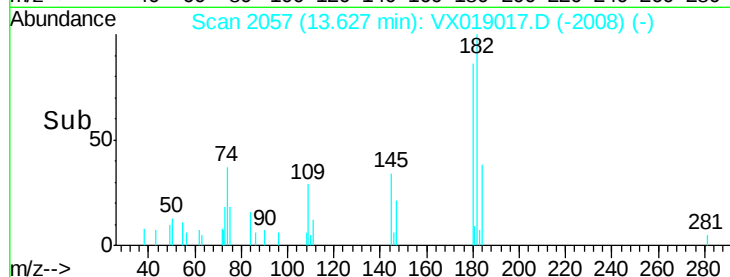
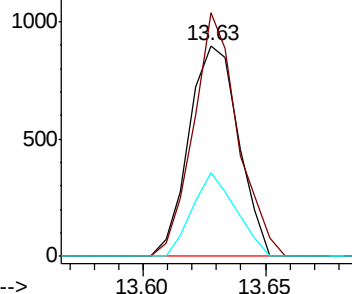
#93
 1,2,4-Trichlorobenzene
 Concen: 0.343 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion:180 Resp: 1269
 Ion Ratio Lower Upper
 180 100
 182 103.6 46.4 139.2
 145 34.6 15.2 45.6

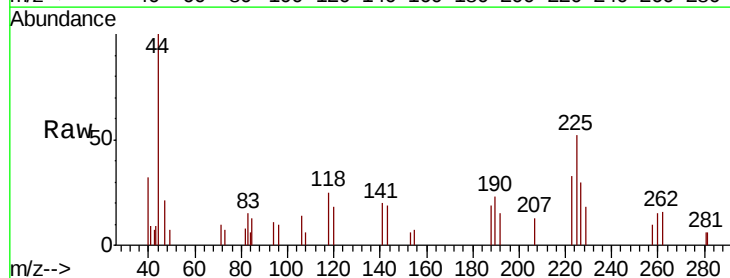


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

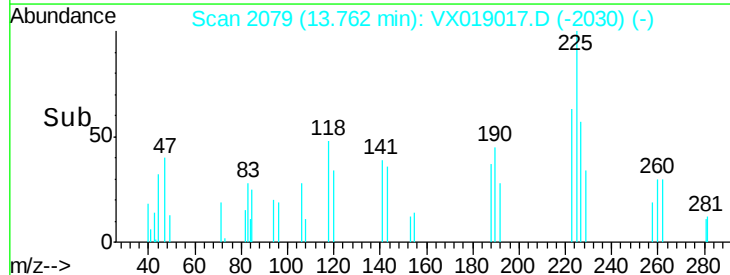
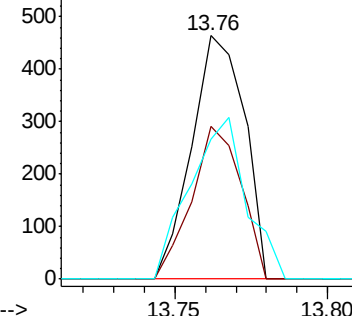


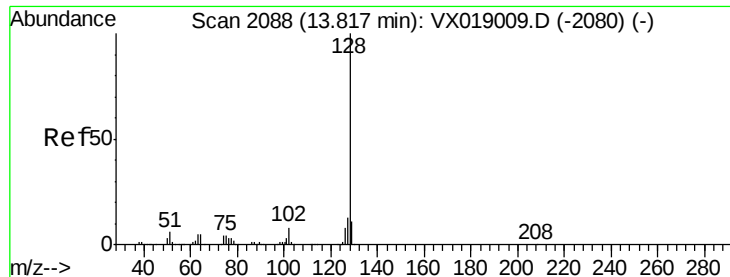
#94
 Hexachlorobutadiene
 Concen: 0.324 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX019017.D
 Acq: 22 Oct 2020 11:31

Tgt Ion:225 Resp: 557
 Ion Ratio Lower Upper
 225 100
 223 58.9 32.5 97.4
 227 70.9 31.9 95.7



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

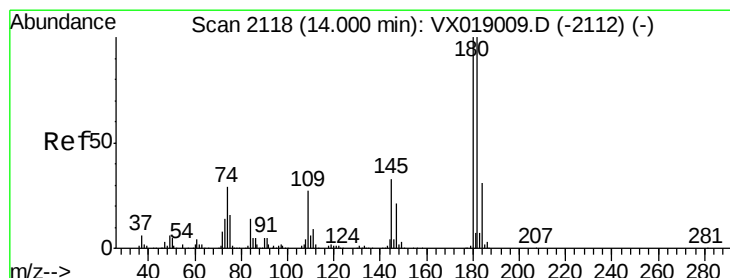
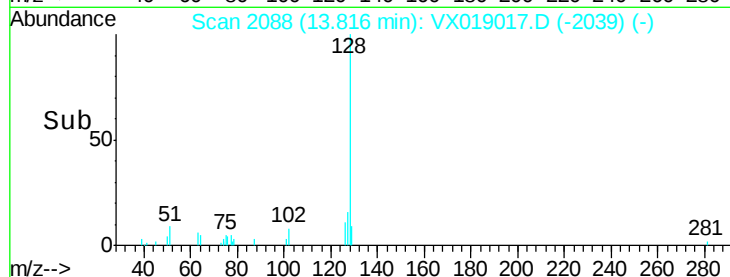
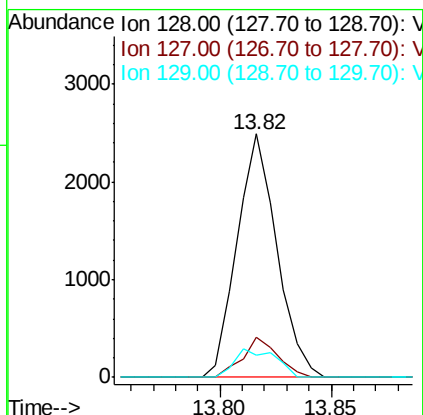
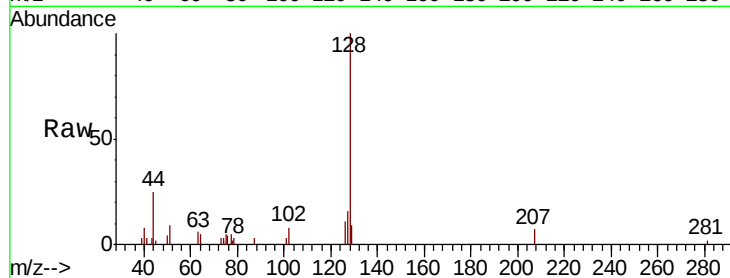




#95
Naphthalene
Concen: 0.266 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:128 Resp: 3096
Ion Ratio Lower Upper
128 100
127 14.5 10.5 15.7
129 12.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.320 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019017.D
Acq: 22 Oct 2020 11:31

Tgt Ion:180 Resp: 1155
Ion Ratio Lower Upper
180 100
182 92.9 47.3 142.0
145 34.9 15.9 47.6

