

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019040.D
 Acq On : 22 Oct 2020 20:06
 Operator : JC/SP
 Sample : L4214-07 .2PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Oct 23 10:05:17 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	230633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	392811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	362622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	181440	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	137802	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
35) Dibromofluoromethane	5.46	113	119272	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	8.70	98	458572	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.12	95	160894	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	593	0.260	ug/l	95
4) Vinyl Chloride	1.39	62	559	0.207	ug/l	94
5) Bromomethane	1.64	94	692	0.252	ug/l	92
6) Chloroethane	1.72	64	557	0.331	ug/l #	73
8) Diethyl Ether	2.17	74	397	0.223	ug/l	64
11) Tert butyl alcohol	3.01	59	1595	2.851	ug/l #	90
12) 1,1-Dichloroethene	2.36	96	534	0.238	ug/l #	72
13) Acrolein	2.25	56	210	0.947	ug/l #	1
14) Allyl chloride	2.70	41	585	0.201	ug/l	87
15) Acrylonitrile	3.12	53	1049	0.970	ug/l	99
16) Acetone	2.42	43	1949	2.071	ug/l	94
17) Carbon Disulfide	2.55	76	1408	0.217	ug/l	96
18) Methyl Acetate	2.75	43	871	0.373	ug/l #	57
19) Methyl tert-butyl Ether	3.17	73	1956	0.275	ug/l #	82
20) Methylene Chloride	2.84	84	1329	0.507	ug/l	91
21) trans-1,2-Dichloroethene	3.14	96	567	0.216	ug/l	86
23) Vinyl Acetate	3.79	43	4817	0.886	ug/l	98
25) 2-Butanone	4.64	43	1544	1.038	ug/l #	86
29) Tetrahydrofuran	5.10	42	1057	1.189	ug/l #	56
30) Chloroform	5.17	83	922	0.204	ug/l	87
31) Cyclohexane	5.55	56	928	0.287	ug/l	97
36) 1,1-Dichloropropene	5.77	75	755	0.214	ug/l #	91
38) Carbon Tetrachloride	5.64	117	22617	6.113	ug/l #	16
39) Methylcyclohexane	7.45	83	905	0.229	ug/l #	79
40) Benzene	6.12	78	8564	0.825	ug/l	94
42) 1,2-Dichloroethane	6.16	62	995	0.281	ug/l	78
48) Methyl methacrylate	7.76	41	785	0.313	ug/l #	65
49) 1,4-Dioxane	7.74	88	240	4.231	ug/l #	30
51) 4-Methyl-2-Pentanone	8.62	43	2608	0.869	ug/l	92
52) Toluene	8.76	92	1767	0.258	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.29	63	1495	0.708	ug/l	94
59) 2-Hexanone	9.48	43	2031	0.908	ug/l	86
64) Tetrachloroethene	9.32	164	628	0.227	ug/l #	59
67) Ethyl Benzene	10.24	91	16077	1.226	ug/l	98

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 Quant Title : SW846 8260
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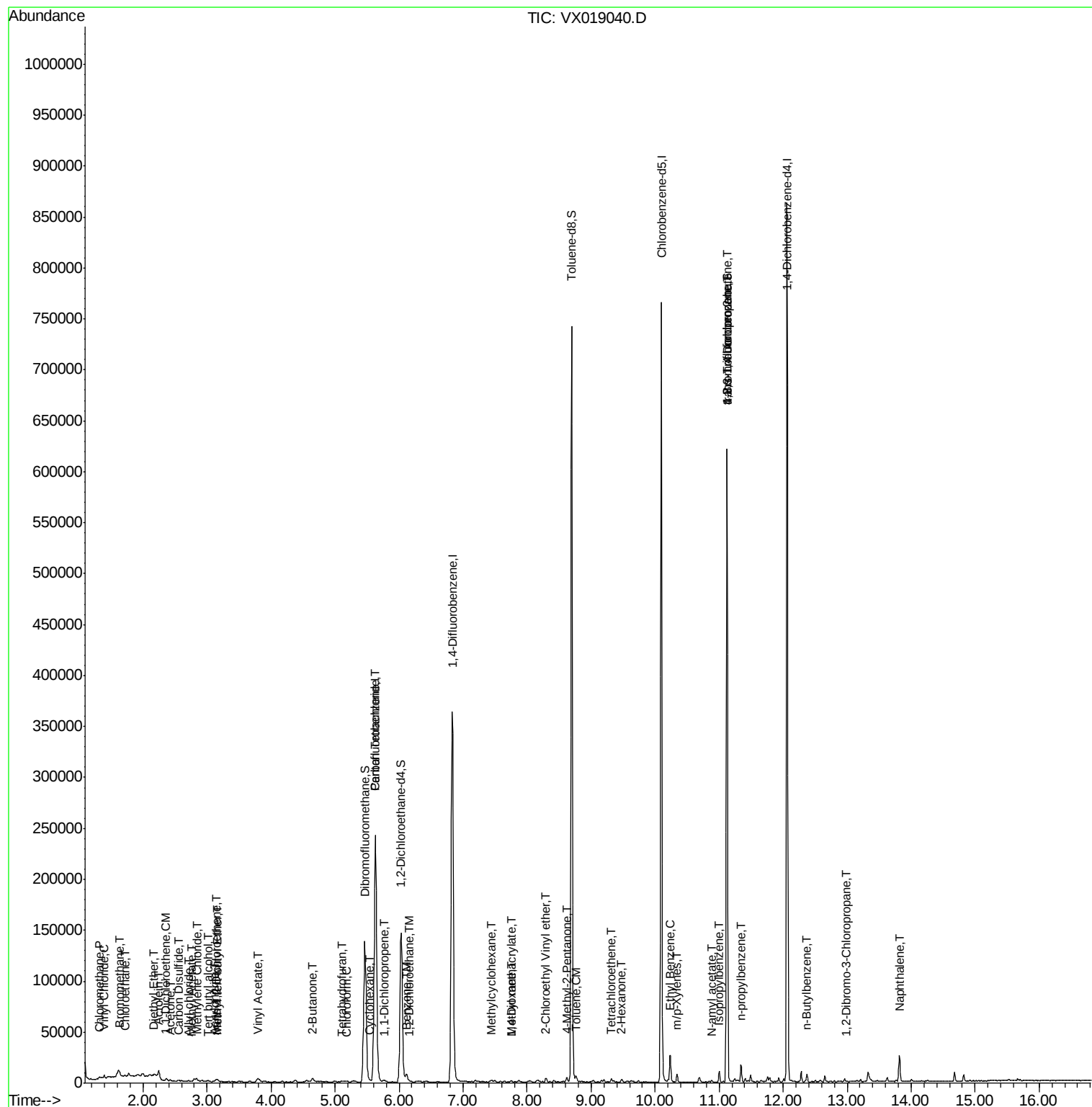
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) m/p-Xylenes	10.34	106	1947	0.388	ug/l	99
73) Isopropylbenzene	11.00	105	5781	0.443	ug/l	95
74) N-amyl acetate	10.88	43	951	0.227	ug/l #	78
76) 1,2,3-Trichloropropane	11.12	75	80135	22.097	ug/l #	36
78) n-propylbenzene	11.34	91	10296	0.696	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	80135	56.299	ug/l #	15
89) n-Butylbenzene	12.37	91	2481	0.231	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	184	0.206	ug/l #	42
95) Naphthalene	13.82	128	19499	1.502	ug/l	99

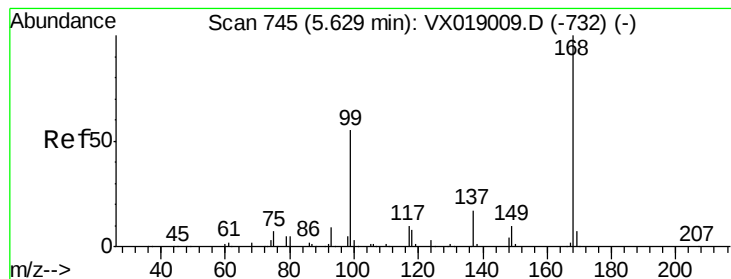
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

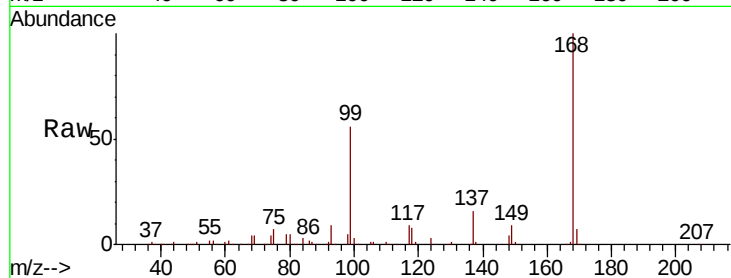
LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 230633

Ion Ratio Lower Upper

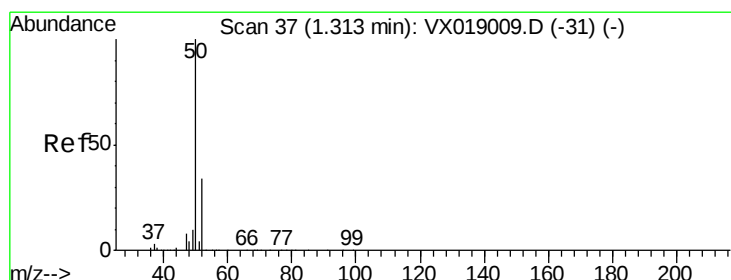
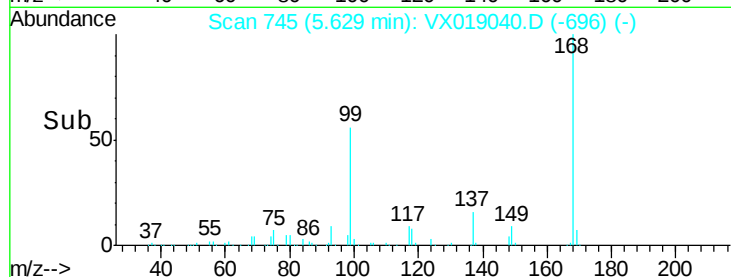
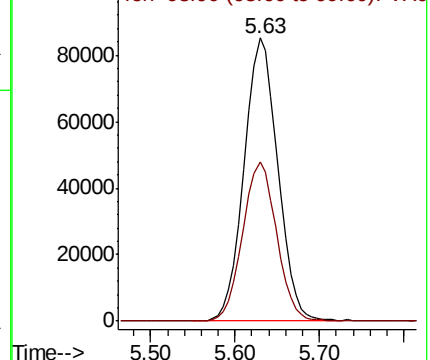
168 100

99 56.4 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.260 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019040.D

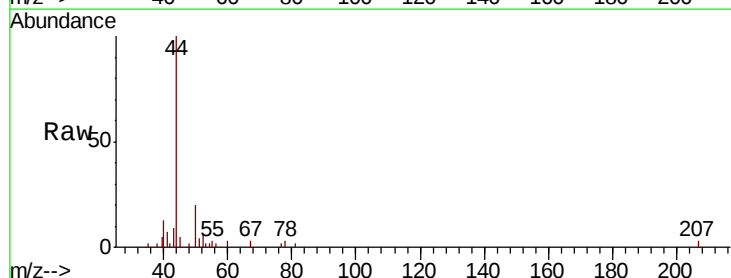
Acq: 22 Oct 2020 20:06

Tgt Ion: 50 Resp: 593

Ion Ratio Lower Upper

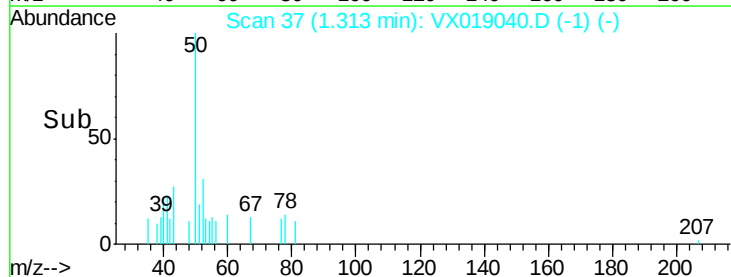
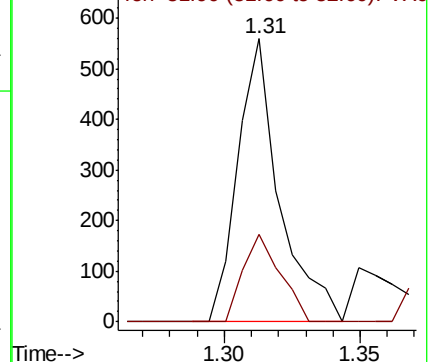
50 100

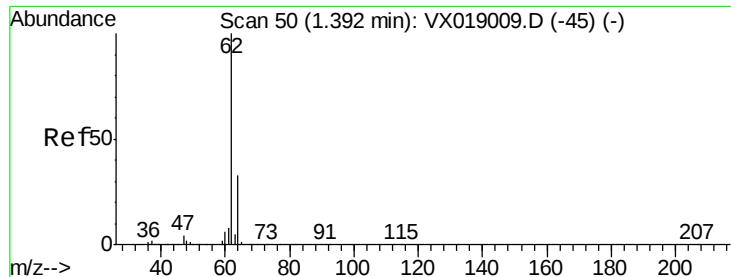
52 30.9 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.207 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

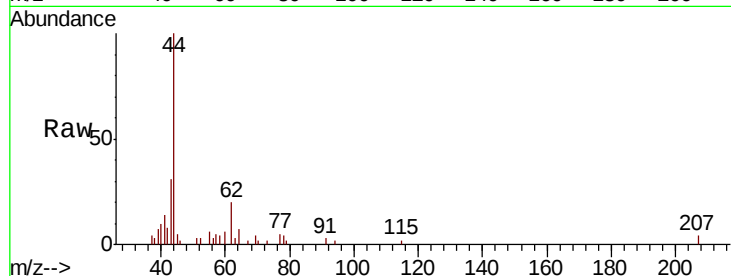
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 62 Resp: 559

Ion Ratio Lower Upper

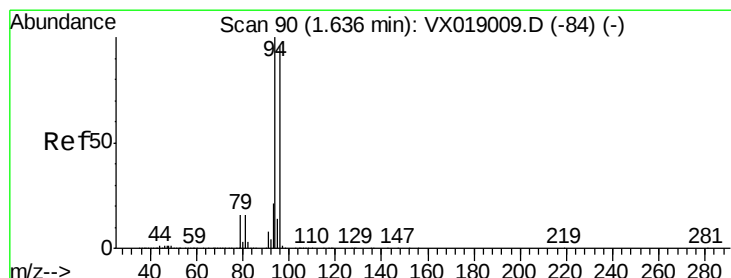
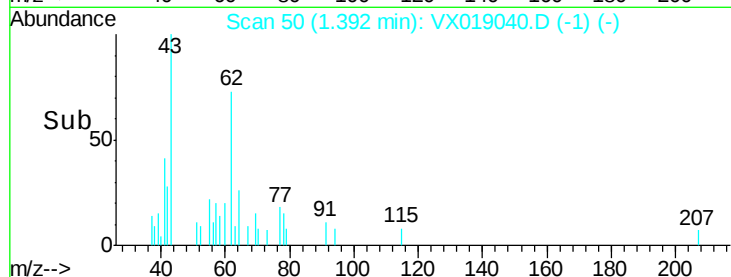
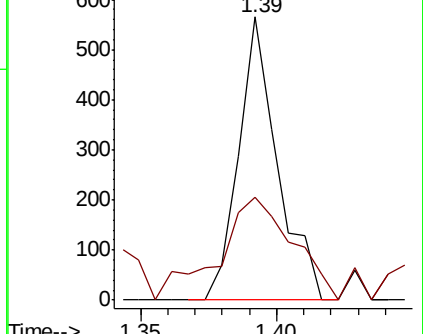
62 100

64 36.3 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: 0.252 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019040.D

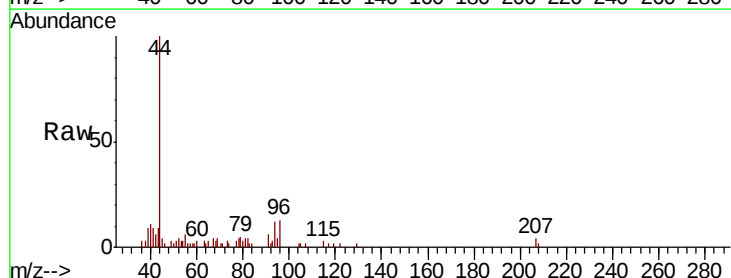
Acq: 22 Oct 2020 20:06

Tgt Ion: 94 Resp: 692

Ion Ratio Lower Upper

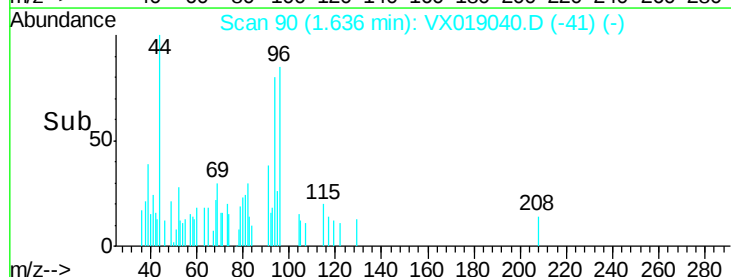
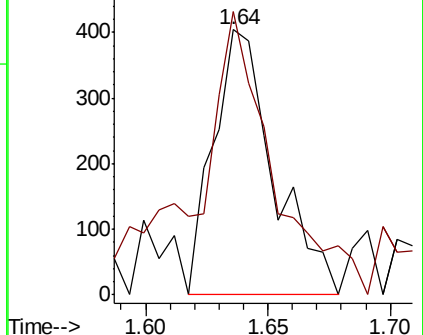
94 100

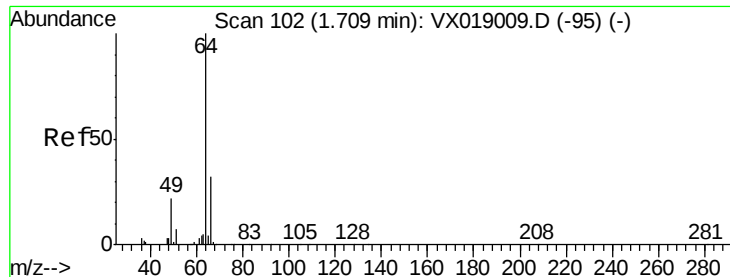
96 88.6 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.331 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

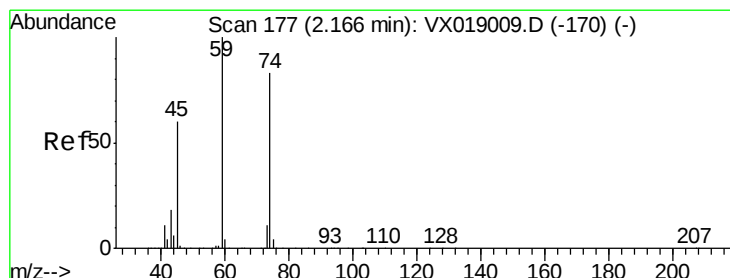
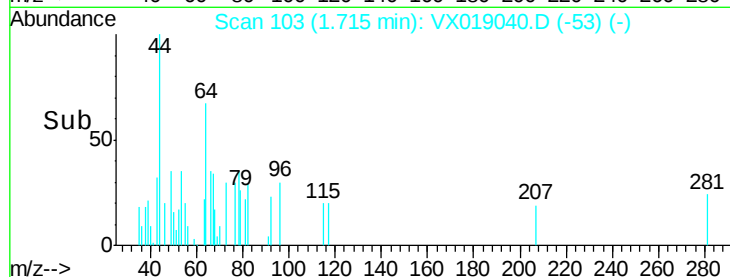
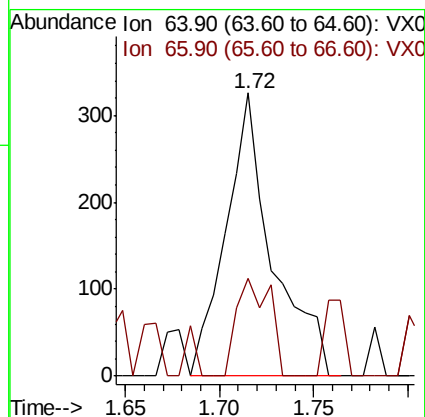
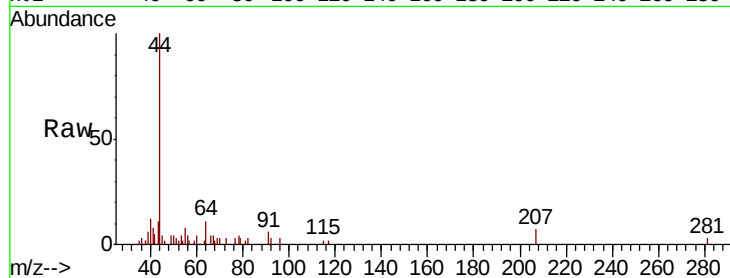
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 64 Resp: 557

Ion Ratio Lower Upper

64 100

66 16.9 25.7 38.5#



#8

Diethyl Ether

Concen: 0.223 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX019040.D

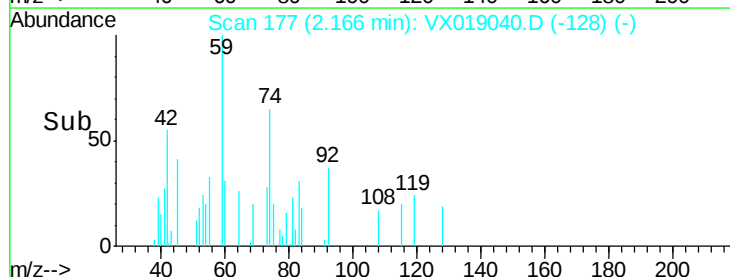
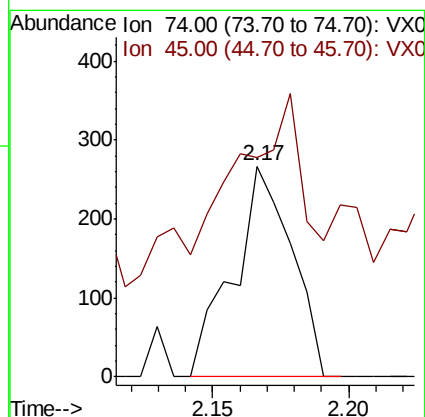
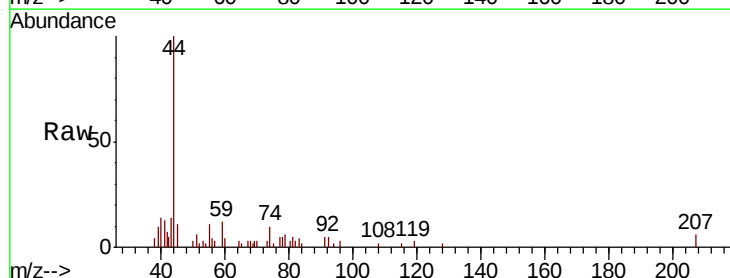
Acq: 22 Oct 2020 20:06

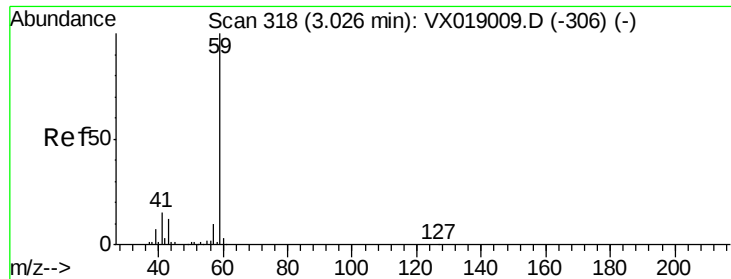
Tgt Ion: 74 Resp: 397

Ion Ratio Lower Upper

74 100

45 104.0 36.8 110.4



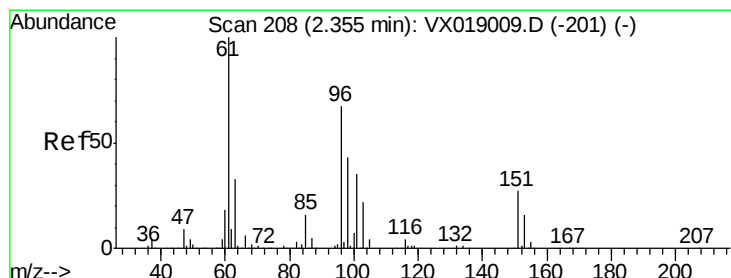
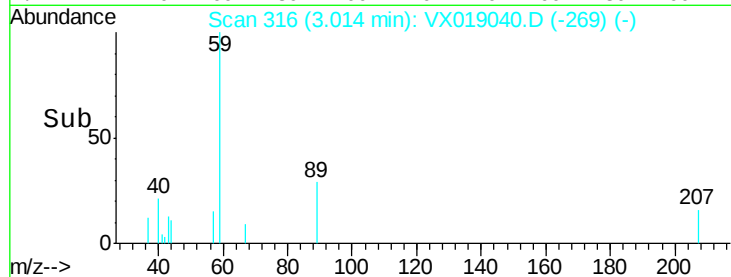
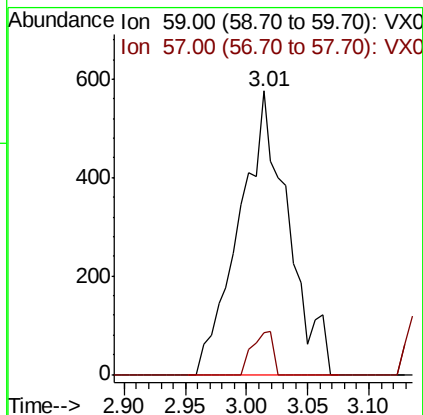
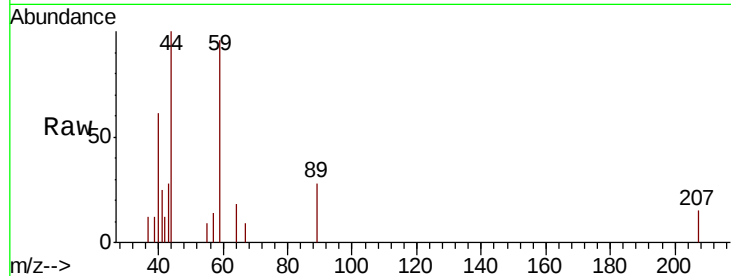


#11

Tert butyl alcohol
 Concen: 2.851 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX019040.D
 Acq: 22 Oct 2020 20:06

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

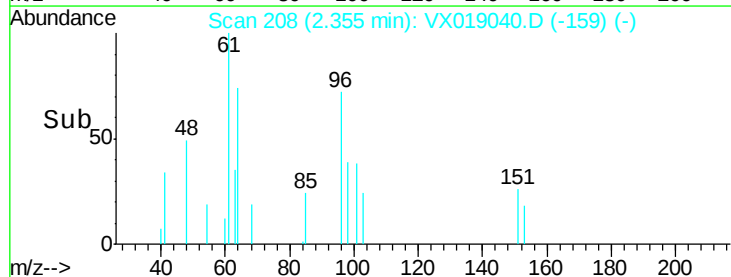
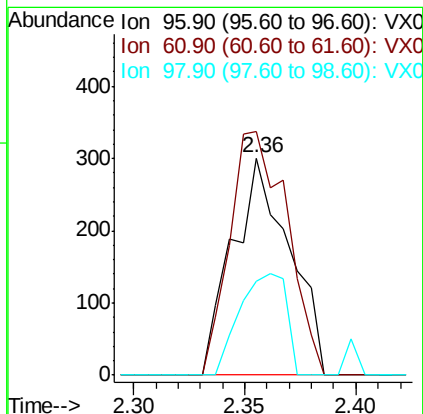
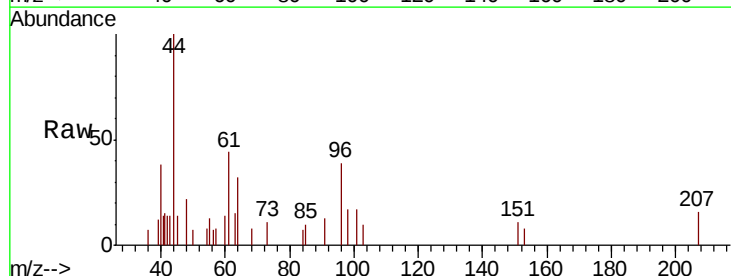
Tot Ion: 59 Resp: 1595
 Ion Ratio Lower Upper
 59 100
 57 6.5 8.2 12.2#

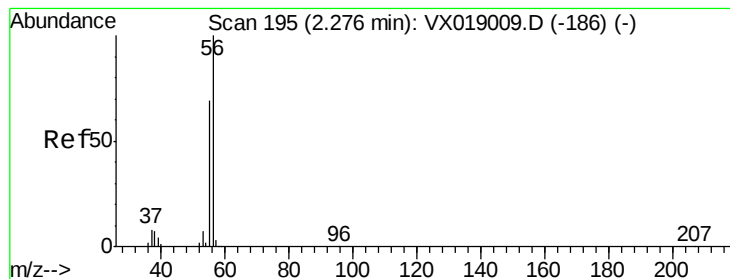


#12

1,1-Dichloroethene
 Concen: 0.238 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VX019040.D
 Acq: 22 Oct 2020 20:06

Tgt Ion: 96 Resp: 534
 Ion Ratio Lower Upper
 96 100
 61 112.0 119.0 178.6#
 98 43.2 51.0 76.4#





#13

Acrolein

Concen: 0.947 ug/l

RT: 2.25 min Scan# 190

Delta R.T. -0.03 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

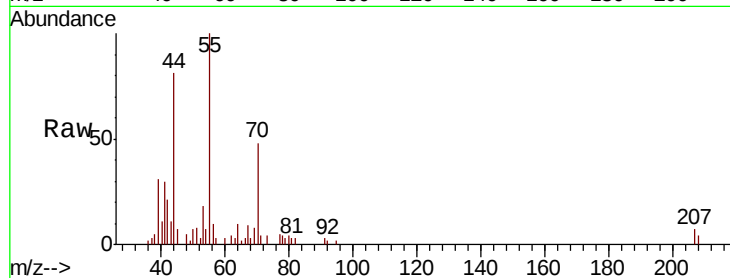
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 210

Ion Ratio Lower Upper

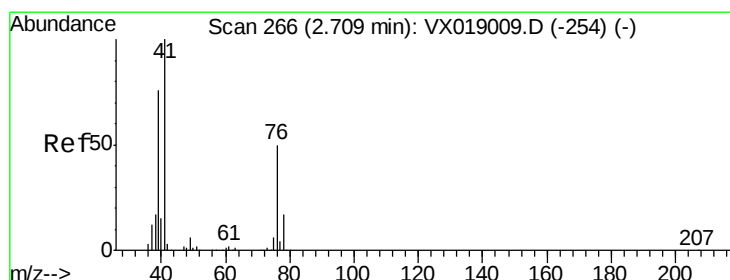
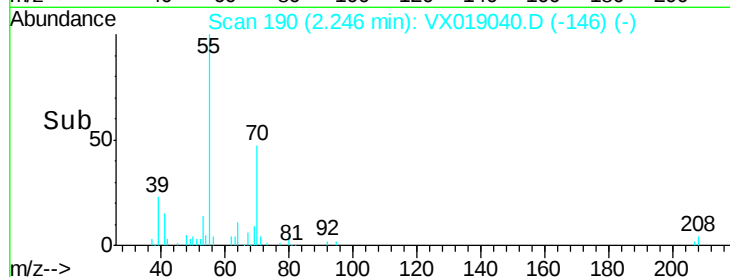
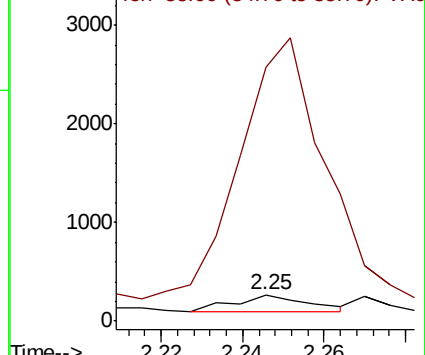
56 100

55 2127.6 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: 0.201 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

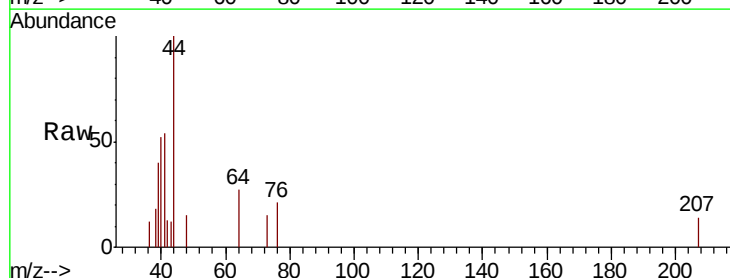
Tgt Ion: 41 Resp: 585

Ion Ratio Lower Upper

41 100

39 58.3 57.4 86.0

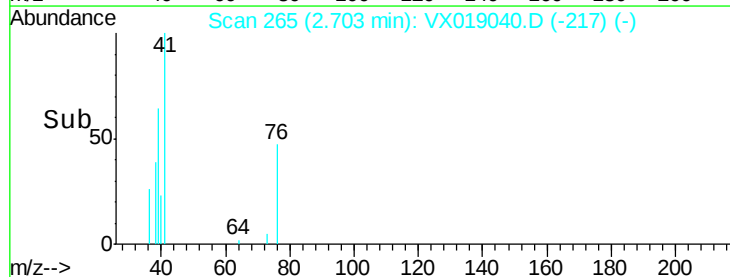
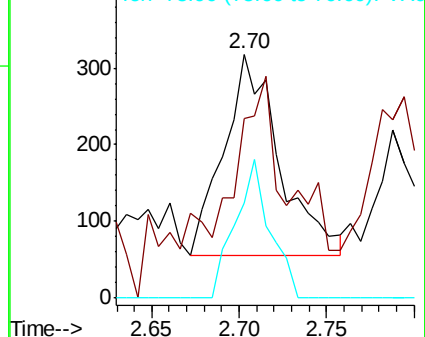
76 42.4 37.7 56.5

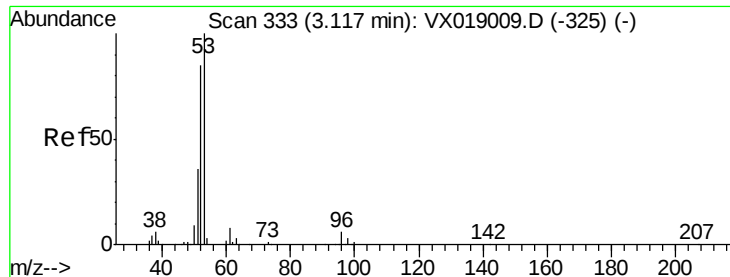


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

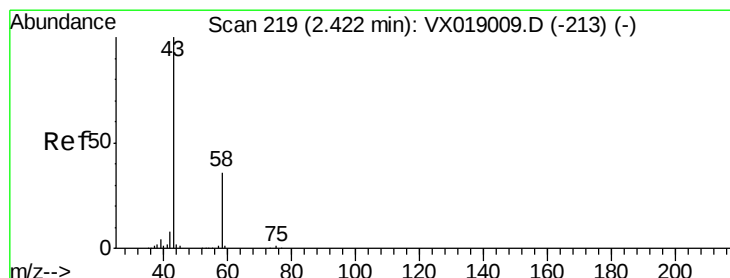
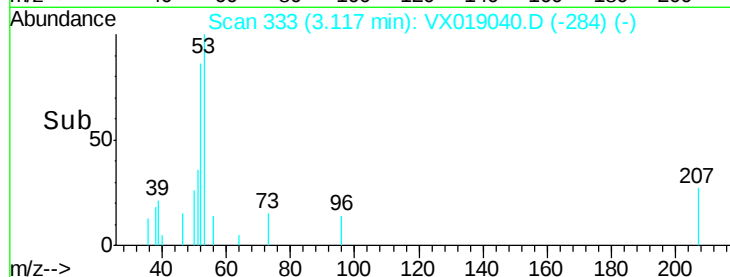
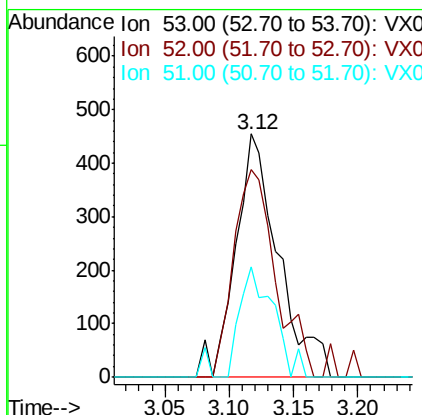
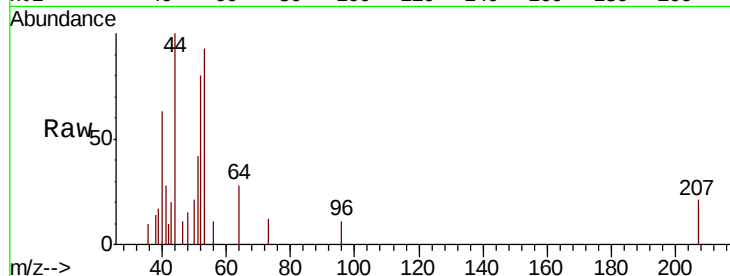




#15
 Acrylonitrile
 Concen: 0.970 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX019040.D
 Acq: 22 Oct 2020 20:06

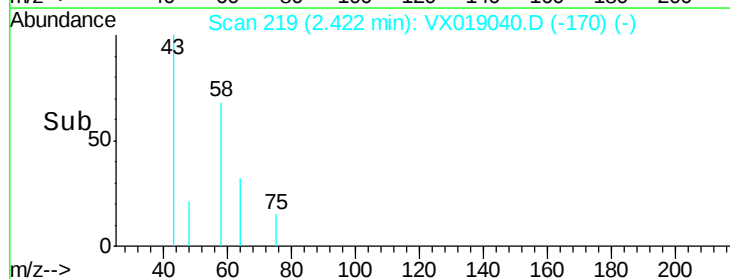
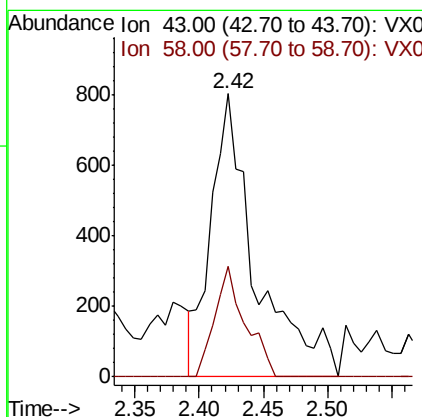
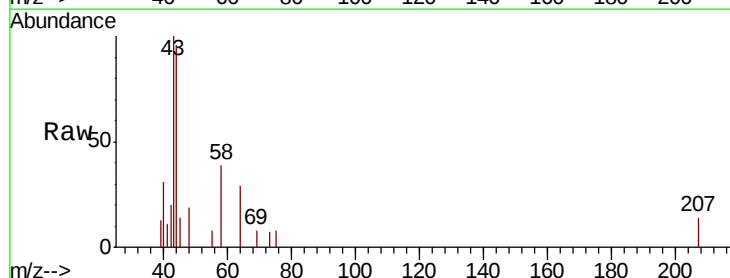
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 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

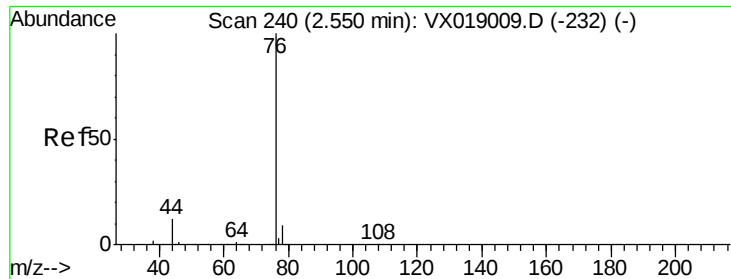
Tot Ion: 53 Resp: 1049
 Ion Ratio Lower Upper
 53 100
 52 84.0 65.9 98.9
 51 35.5 28.3 42.5



#16
 Acetone
 Concen: 2.071 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX019040.D
 Acq: 22 Oct 2020 20:06

Tgt Ion: 43 Resp: 1949
 Ion Ratio Lower Upper
 43 100
 58 39.1 28.6 42.8





#17

Carbon Disulfide

Concen: 0.217 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

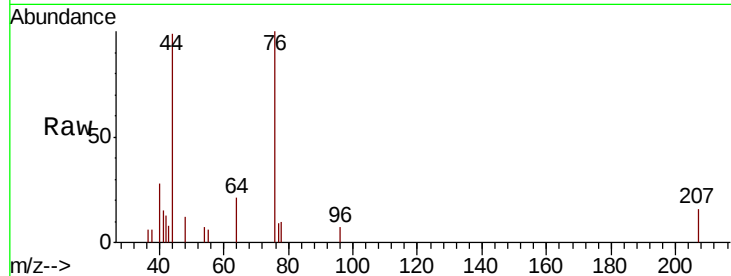
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 1408

Ion Ratio Lower Upper

76 100

78 10.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

800

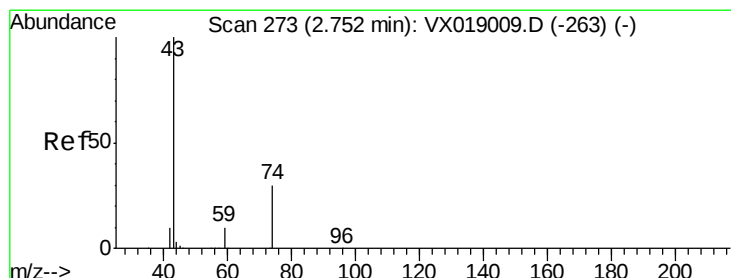
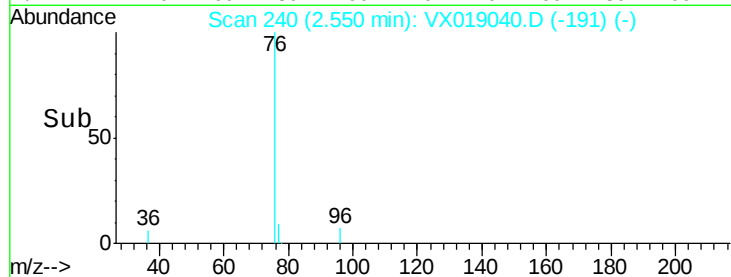
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.373 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX019040.D

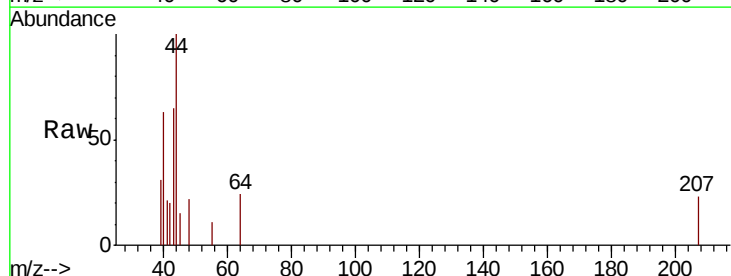
Acq: 22 Oct 2020 20:06

Tgt Ion: 43 Resp: 871

Ion Ratio Lower Upper

43 100

74 7.5 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

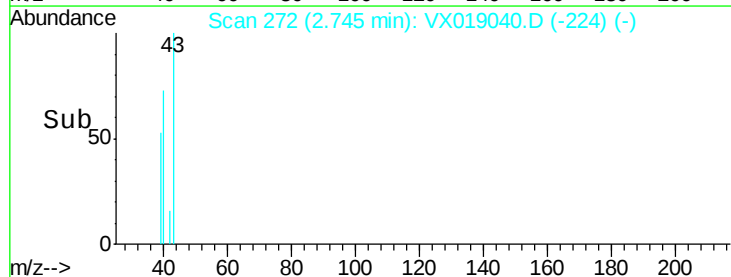
300

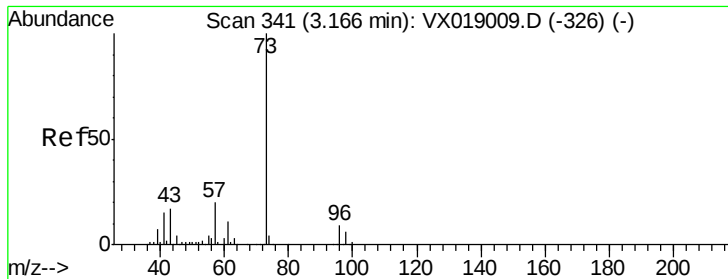
200

100

0

Time-->

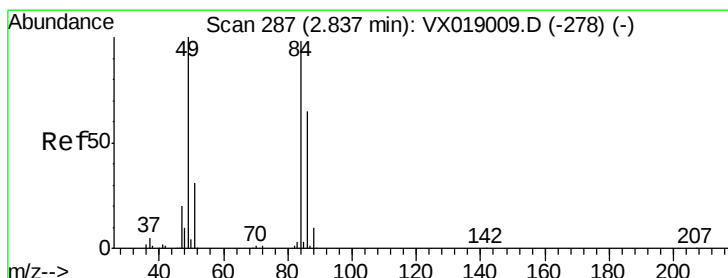
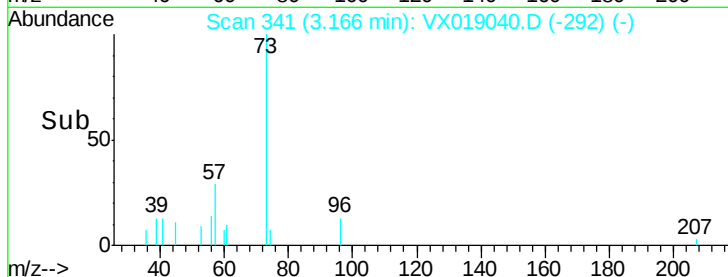
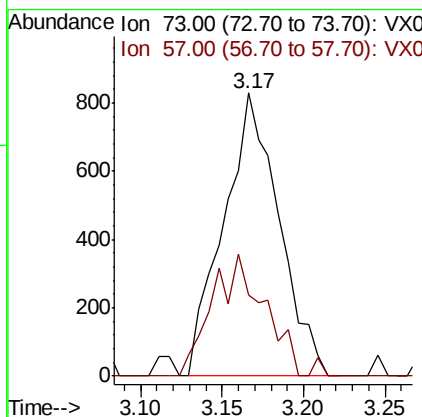
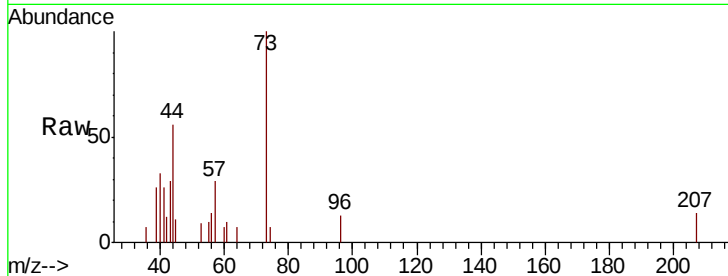




#19
Methvl tert-butvl Ether
Concen: 0.275 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

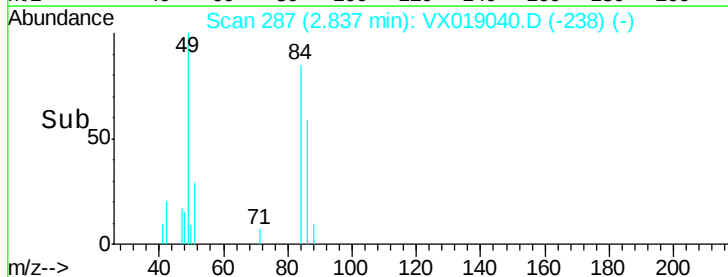
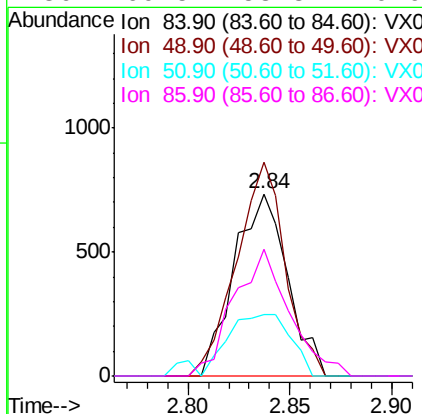
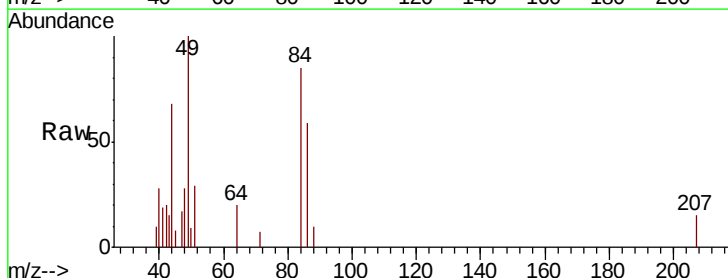
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

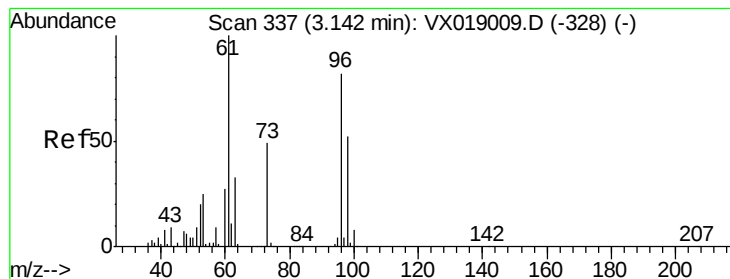
Tot Ion: 73 Resp: 1956
Ion Ratio Lower Upper
73 100
57 28.7 16.2 24.2#



#20
Methylene Chloride
Concen: 0.507 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

Tgt Ion: 84 Resp: 1329
Ion Ratio Lower Upper
84 100
49 117.1 81.6 122.4
51 33.5 25.6 38.4
86 69.5 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 0.216 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

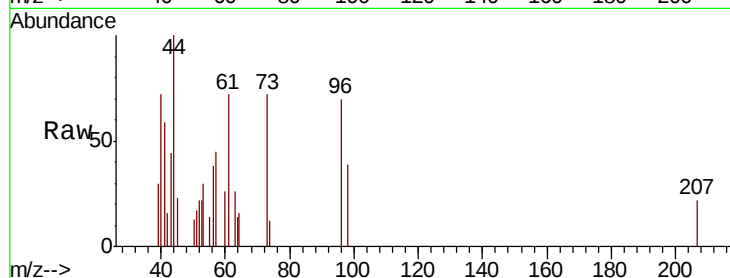
Tot Ion: 96 Resp: 567

Ion Ratio Lower Upper

96 100

61 103.4 97.8 146.6

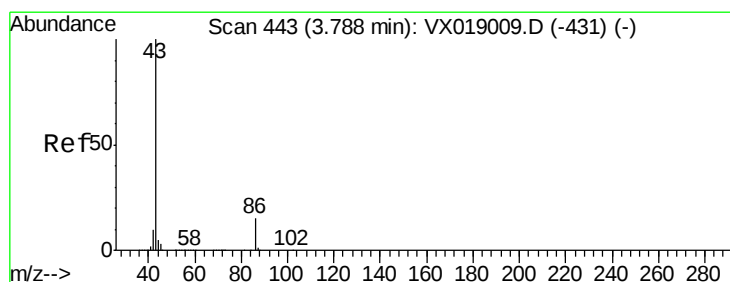
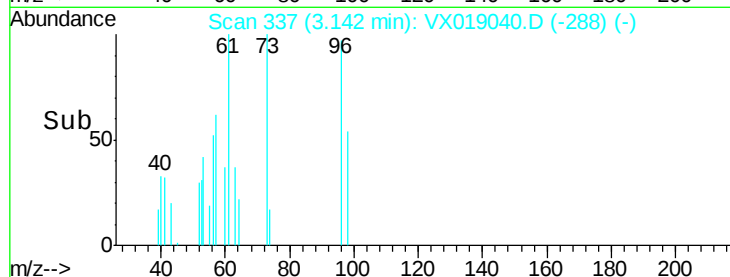
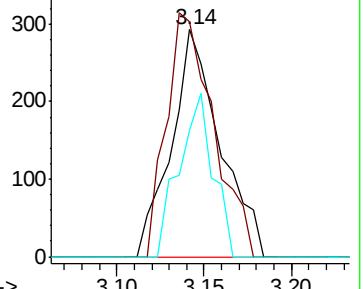
98 55.6 50.7 76.1



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



#23

Vinyl Acetate

Concen: 0.886 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX019040.D

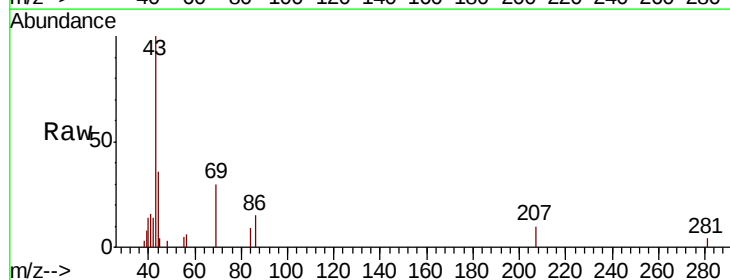
Acq: 22 Oct 2020 20:06

Tgt Ion: 43 Resp: 4817

Ion Ratio Lower Upper

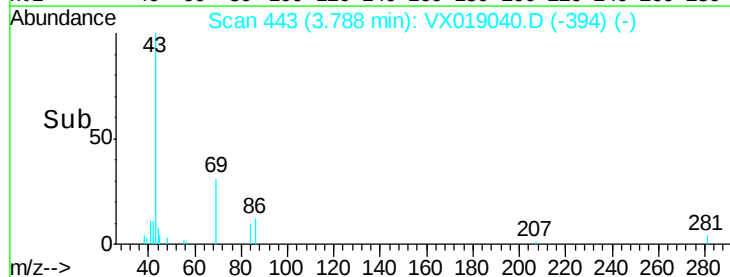
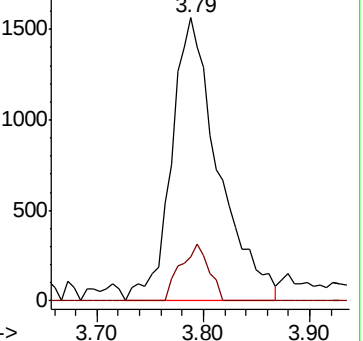
43 100

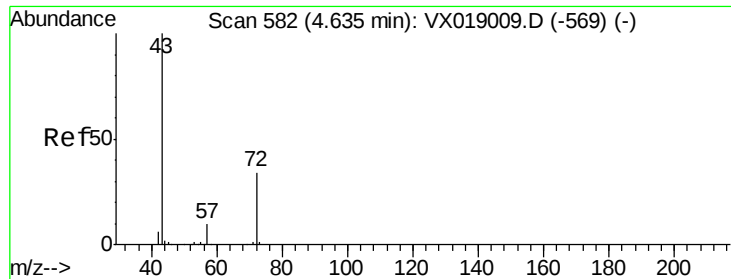
86 15.3 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#25

2-Butanone

Concen: 1.038 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

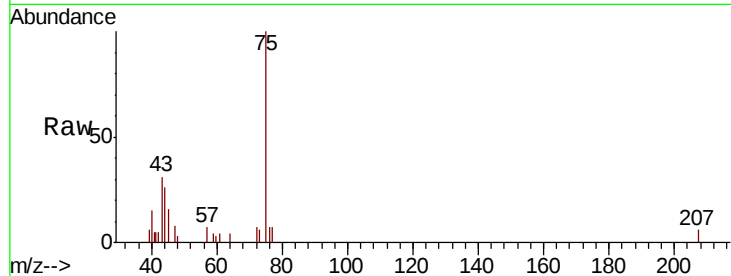
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 1544

Ion Ratio Lower Upper

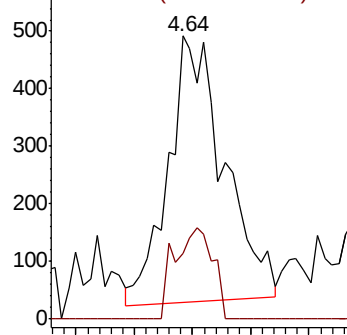
43 100

72 26.3 27.8 41.6#

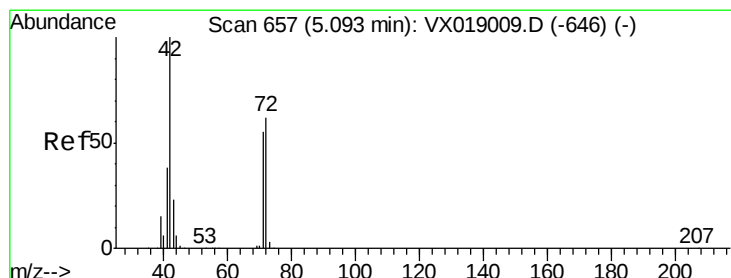
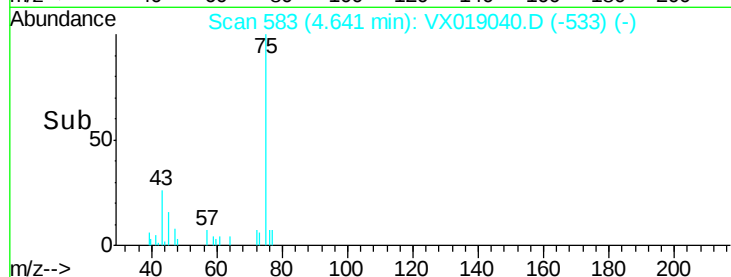


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 1.189 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

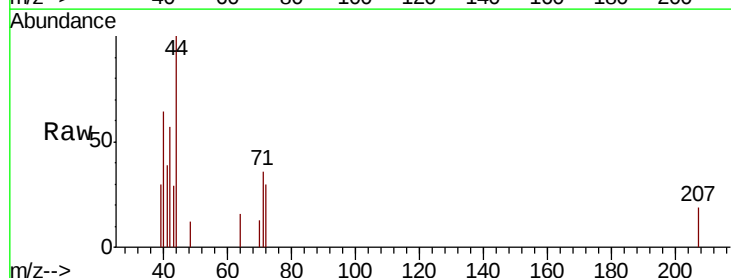
Tgt Ion: 42 Resp: 1057

Ion Ratio Lower Upper

42 100

72 22.7 49.1 73.7#

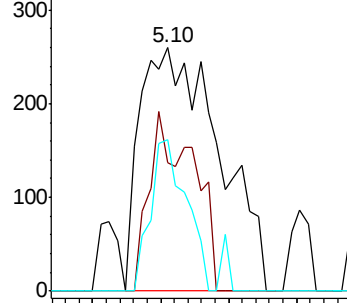
71 28.0 44.2 66.4#



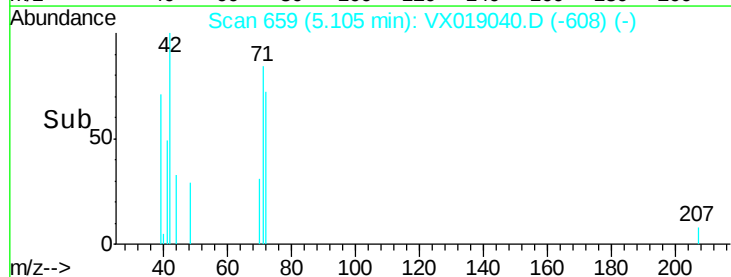
Abundance Ion 42.00 (41.70 to 42.70): VX0

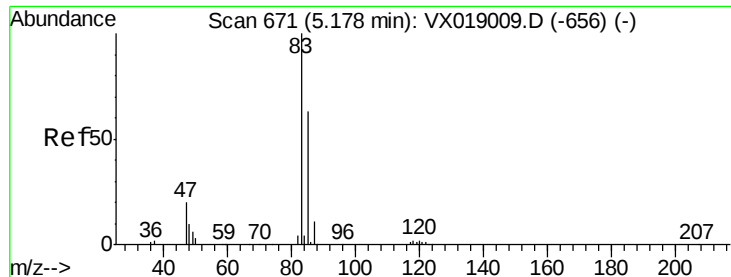
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

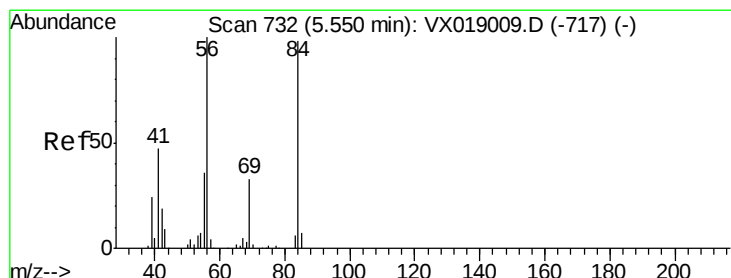
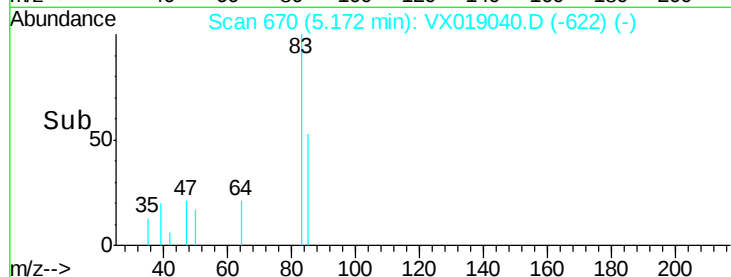
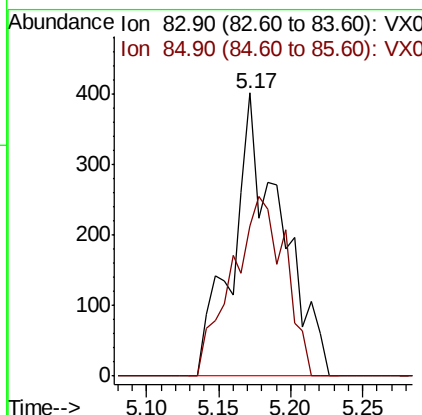
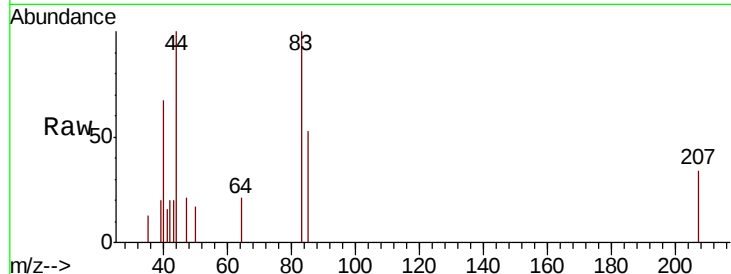




#30
Chloroform
Concen: 0.204 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

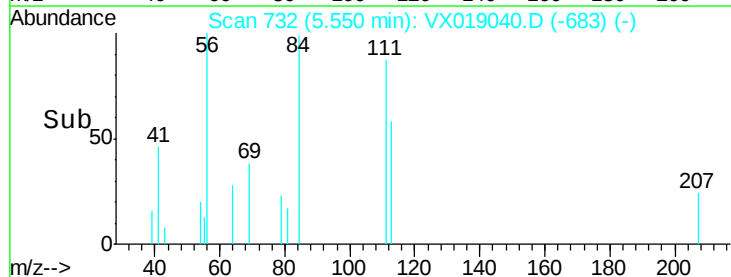
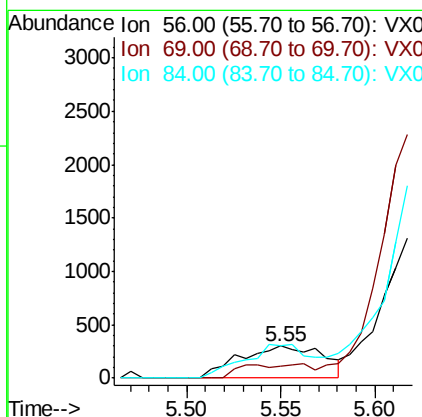
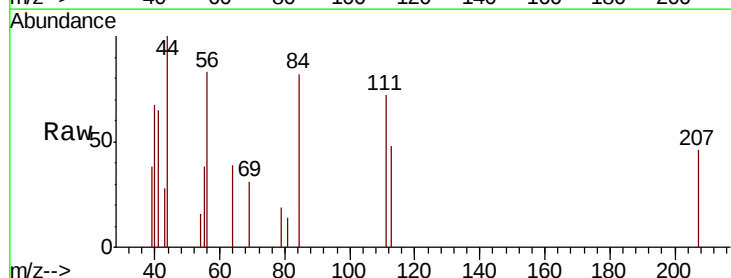
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

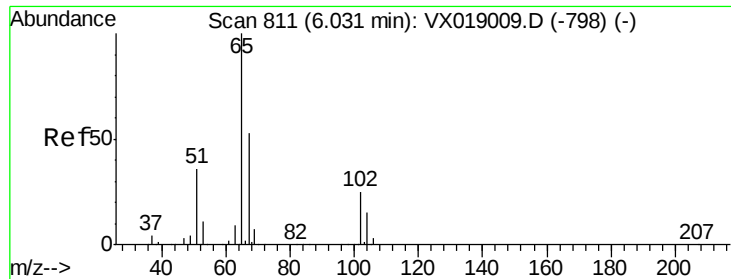
Tot Ion: 83 Resp: 922
Ion Ratio Lower Upper
83 100
85 53.1 50.5 75.7



#31
Cyclohexane
Concen: 0.287 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

Tgt Ion: 56 Resp: 928
Ion Ratio Lower Upper
56 100
69 38.0 26.2 39.2
84 99.0 78.3 117.5





#33

1,2-Dichloroethane-d4

Concen: 49.881 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

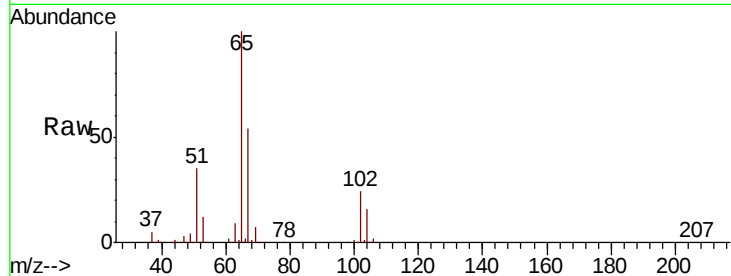
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 65 Resp: 137802

Ion Ratio Lower Upper

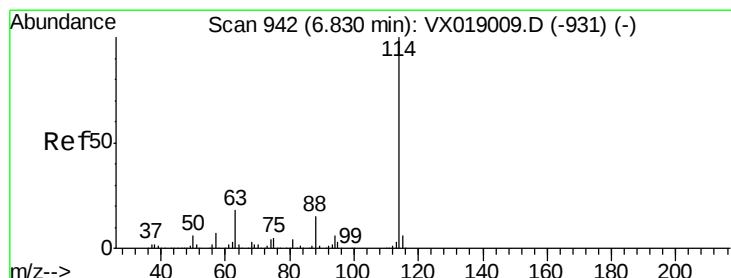
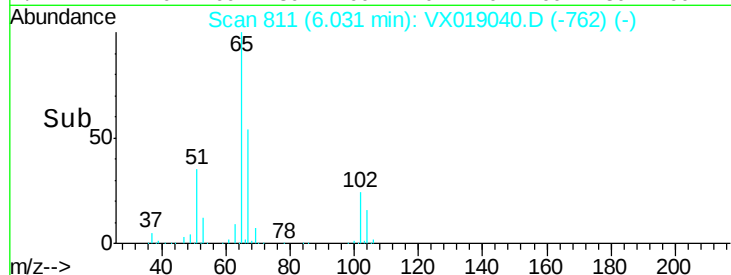
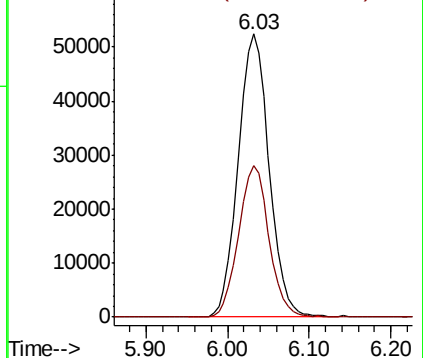
65 100

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: VX019040.D

Acq: 22 Oct 2020 20:06

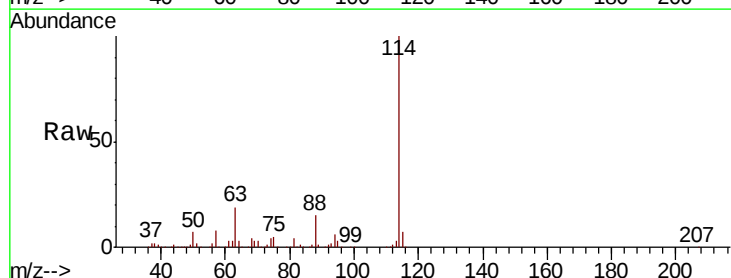
Tgt Ion: 114 Resp: 392811

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

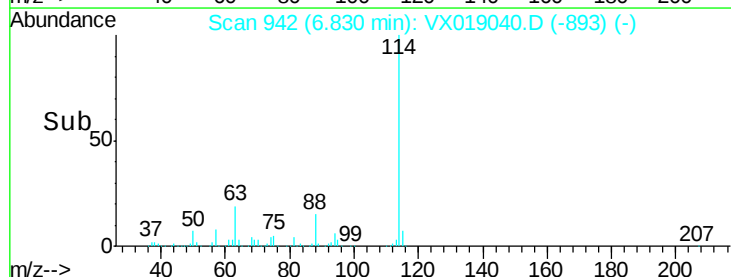
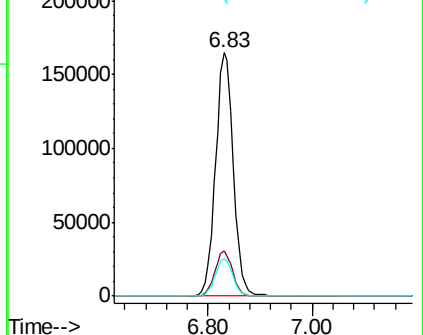
88 15.5 0.0 30.2

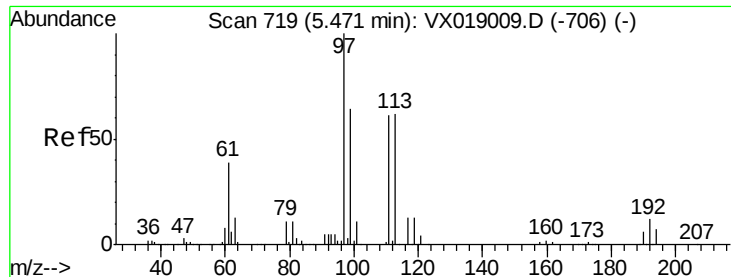


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

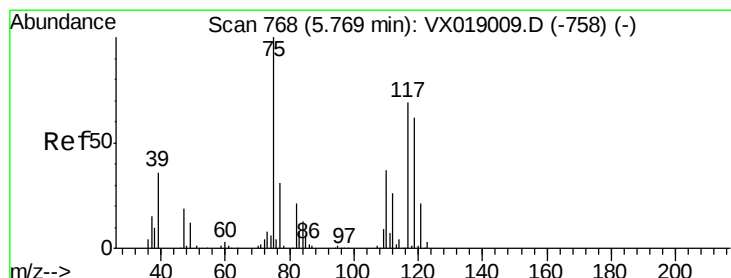
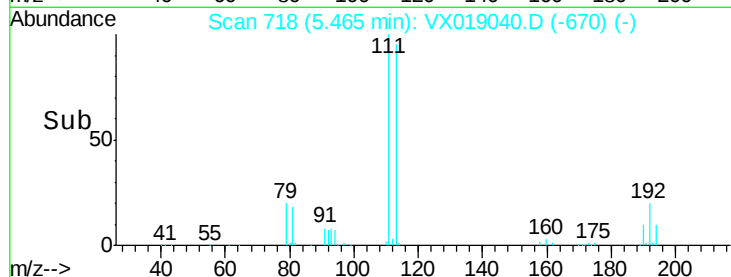
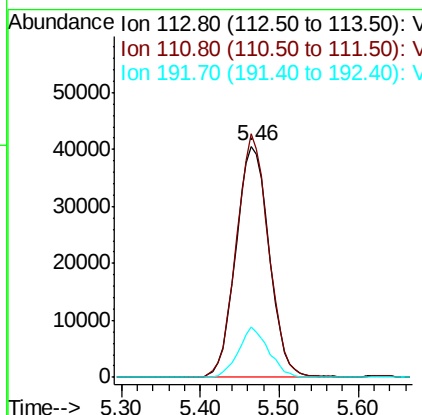
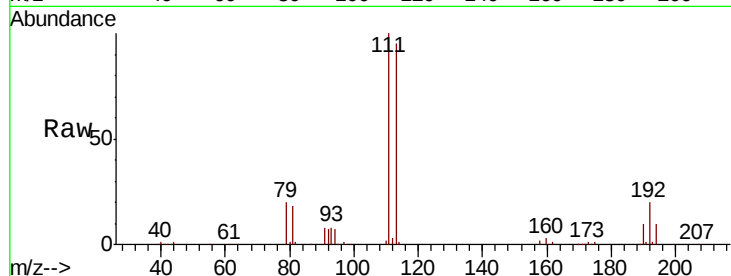




#35
Dibromofluoromethane
Concen: 47.958 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

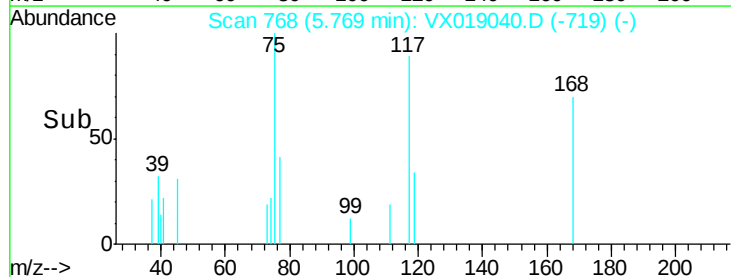
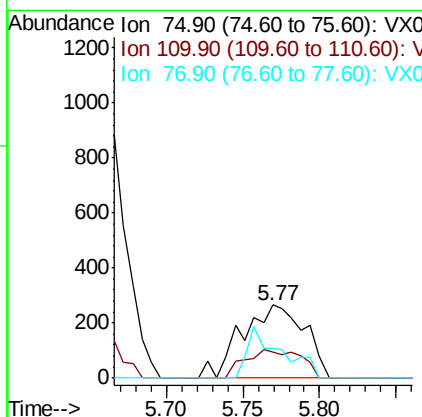
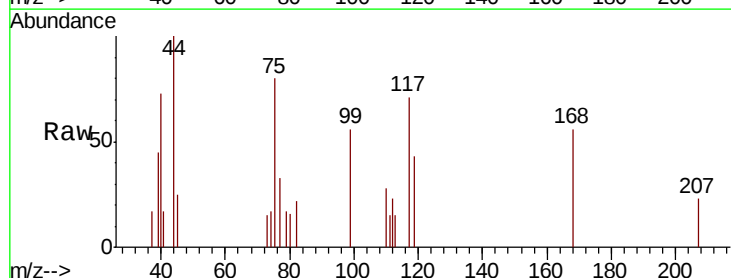
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

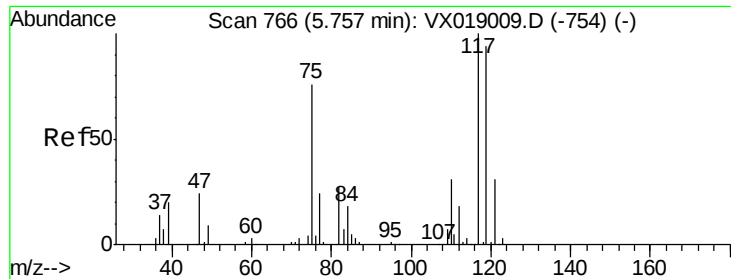
Tot Ion:113 Resp: 119272
Ion Ratio Lower Upper
113 100
111 101.8 81.5 122.3
192 19.5 16.3 24.5



#36
1,1-Dichloropropene
Concen: 0.214 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

Tgt Ion: 75 Resp: 755
Ion Ratio Lower Upper
75 100
110 34.4 19.4 58.2
77 38.3 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 6.113 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

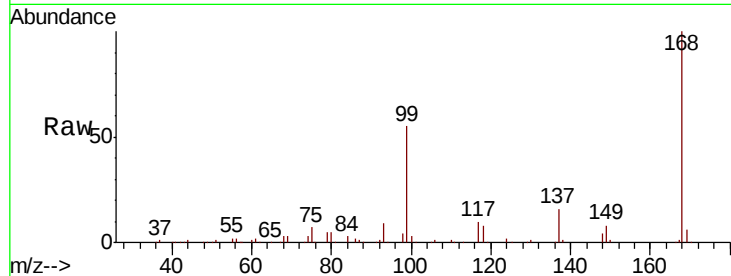
Tot Ion:117 Resp: 22617

Ion Ratio Lower Upper

117 100

119 3.9 75.4 113.0#

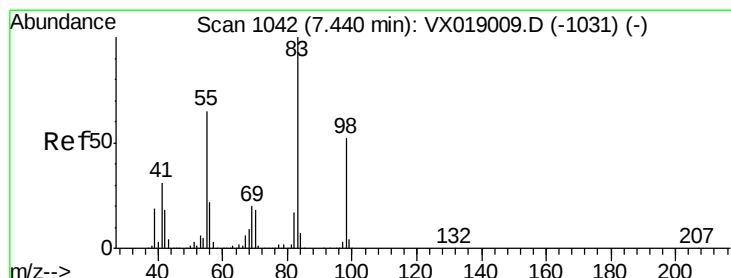
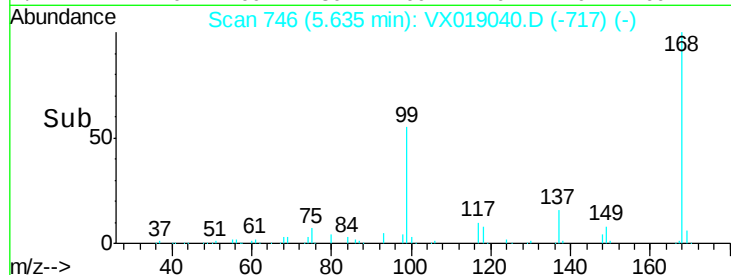
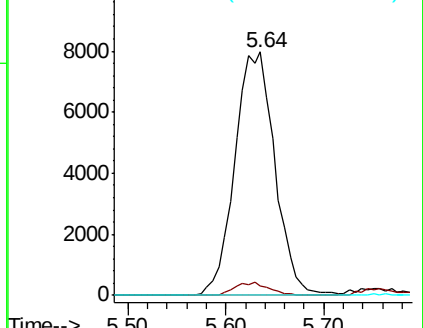
121 0.0 25.0 37.6#



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



#39

Methylcyclohexane

Concen: 0.229 ug/l

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

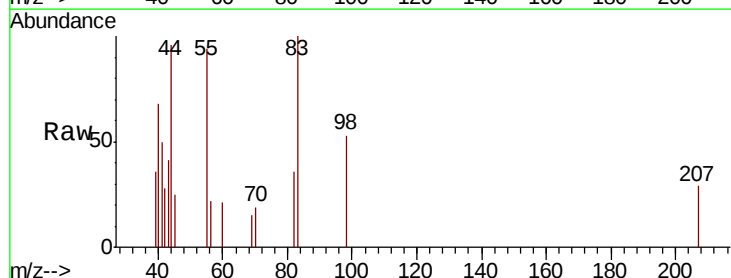
Tgt Ion: 83 Resp: 905

Ion Ratio Lower Upper

83 100

55 93.7 51.8 77.6#

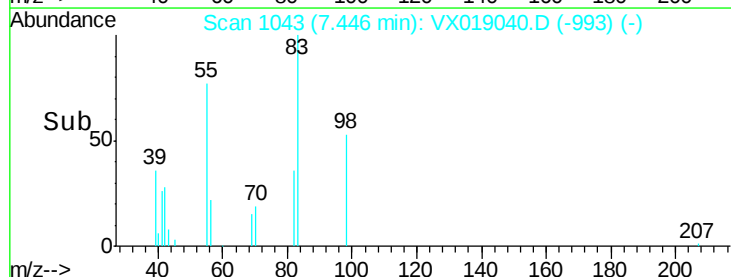
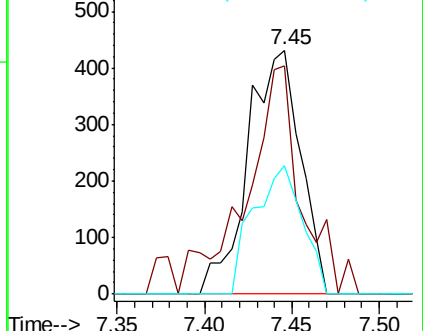
98 52.7 41.4 62.2

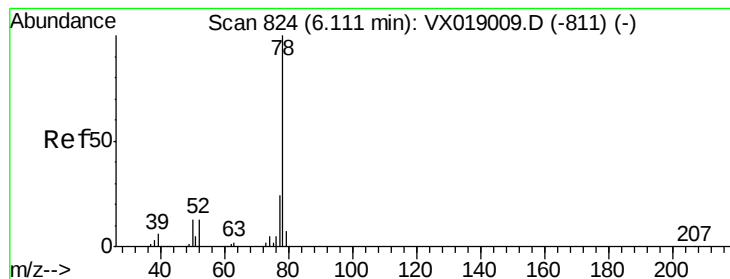


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.825 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

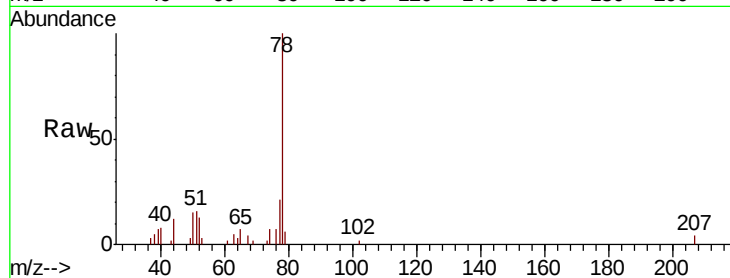
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 78 Resp: 8564

Ion Ratio Lower Upper

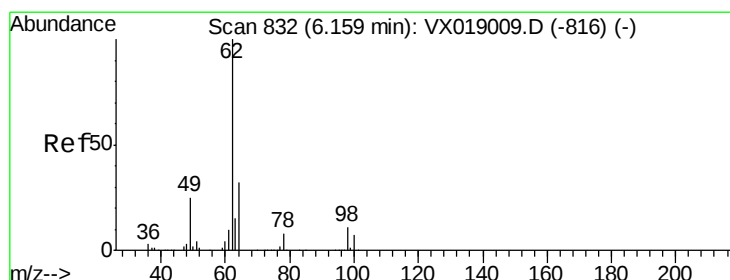
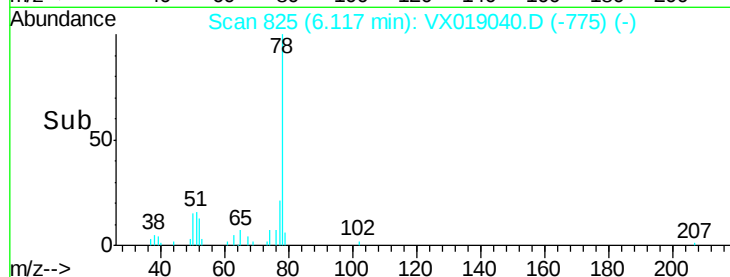
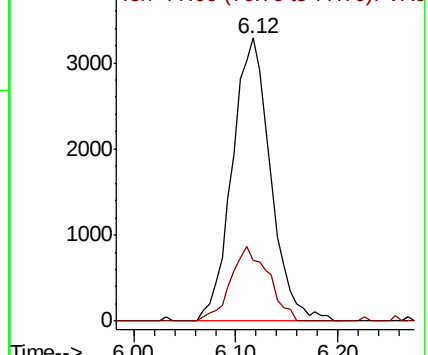
78 100

77 21.4 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 0.281 ug/l

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX019040.D

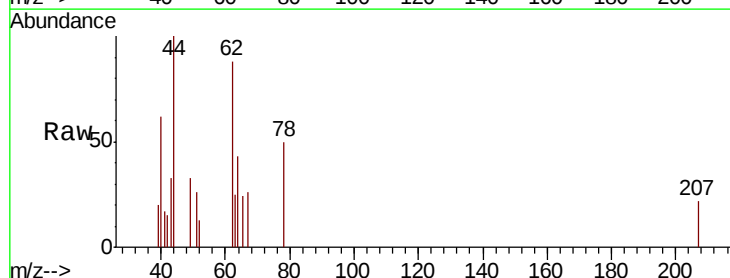
Acq: 22 Oct 2020 20:06

Tgt Ion: 62 Resp: 995

Ion Ratio Lower Upper

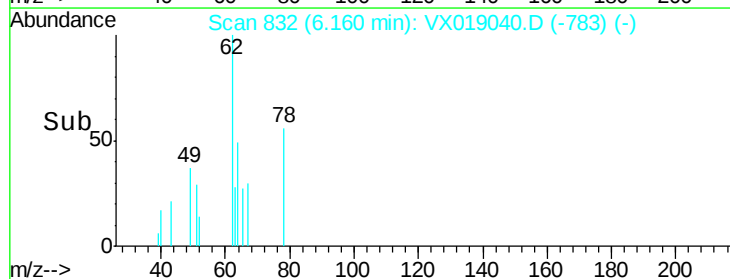
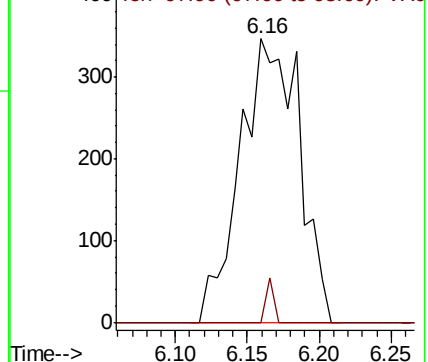
62 100

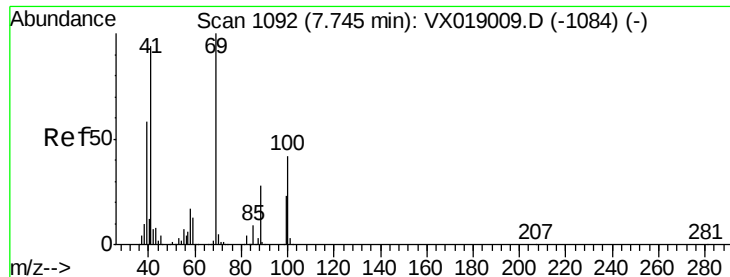
98 2.0 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

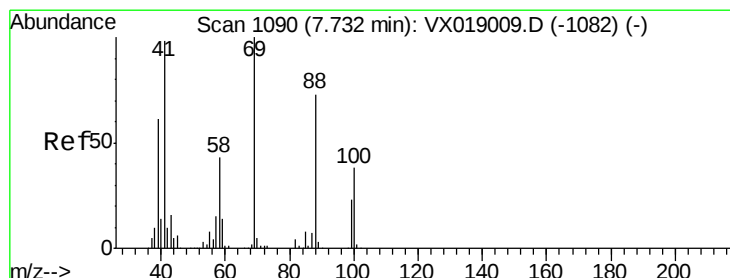
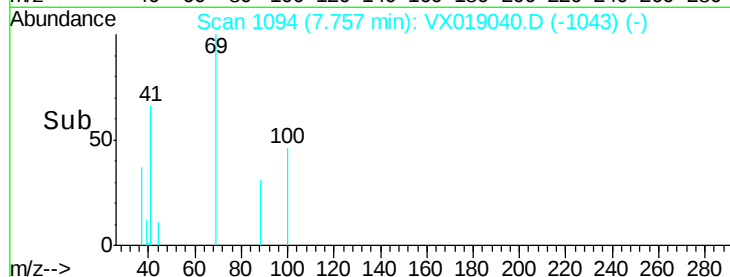
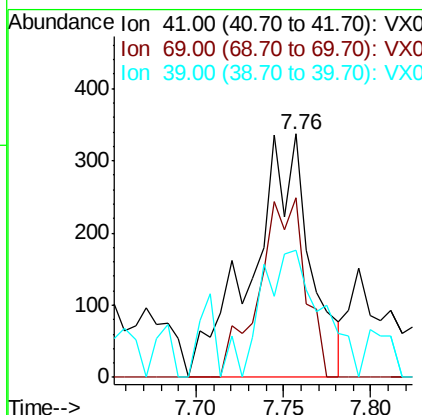
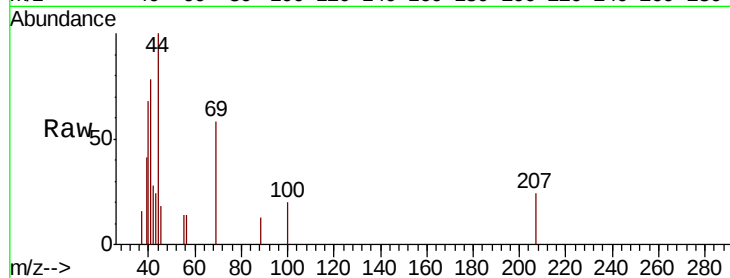




#48
Methvl methacrylate
Concen: 0.313 ug/l
RT: 7.76 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

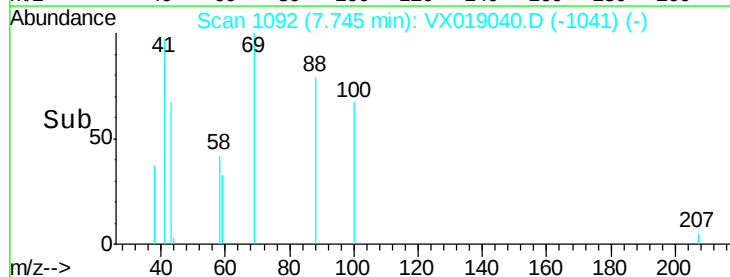
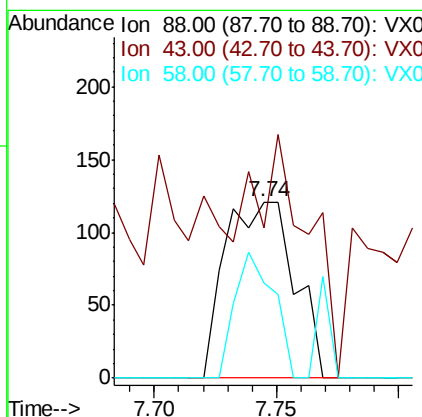
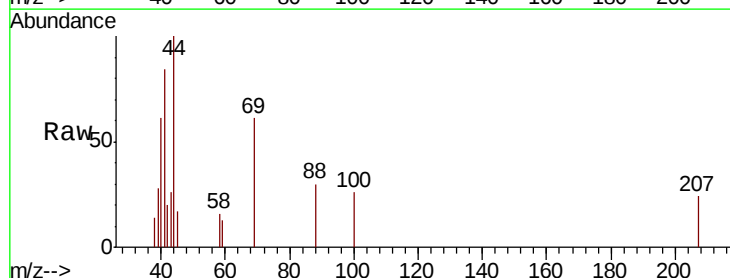
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

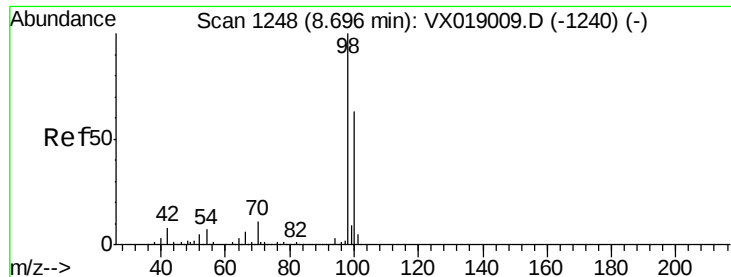
Tot Ion: 41 Resp: 785
Ion Ratio Lower Upper
41 100
69 58.1 85.5 128.3#
39 51.5 49.3 73.9



#49
1,4-Dioxane
Concen: 4.231 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 111.3 20.3 30.5#
58 39.6 48.4 72.6#

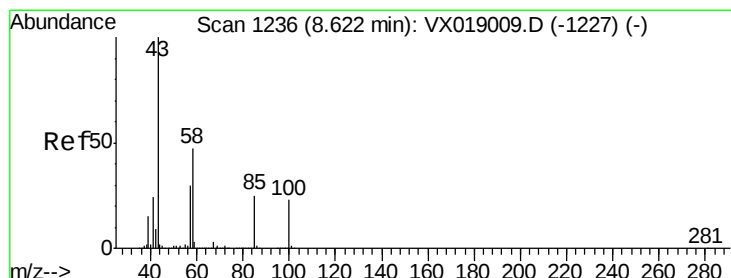
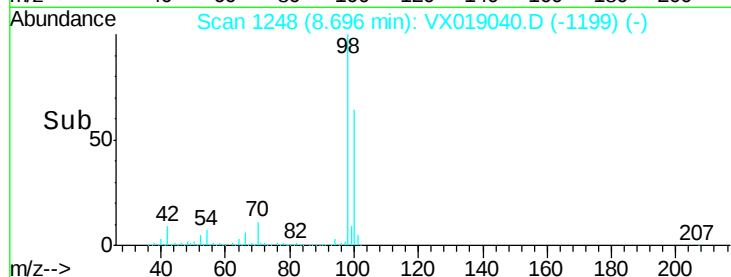
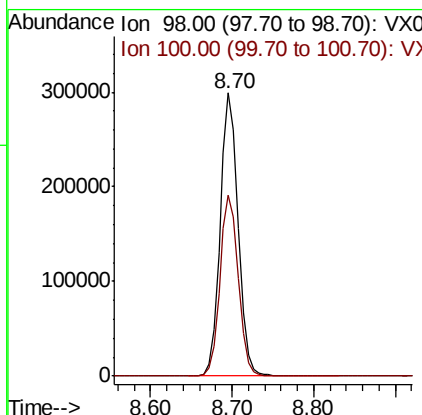
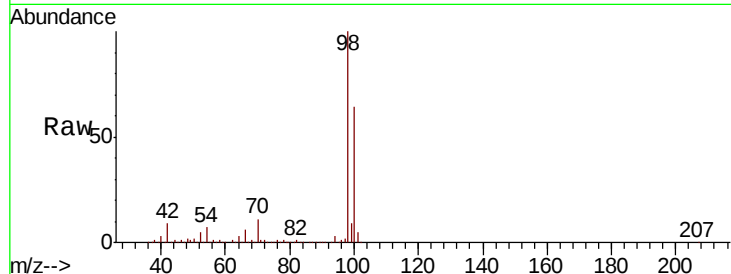




#50
Toluene-d8
Concen: 48.319 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

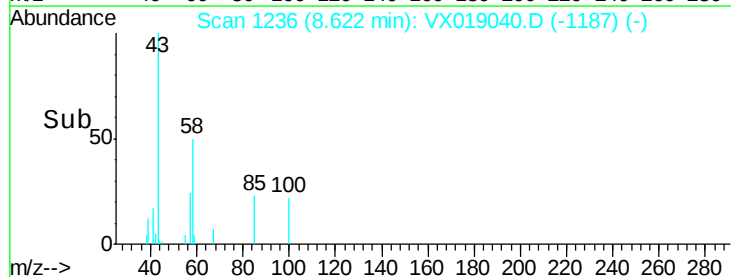
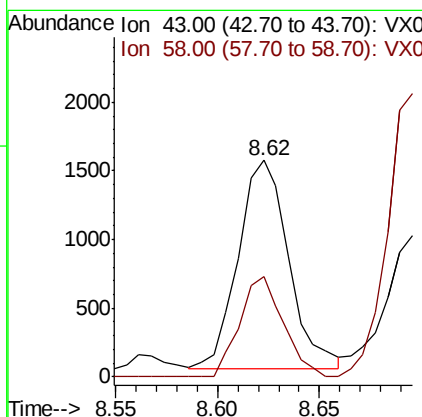
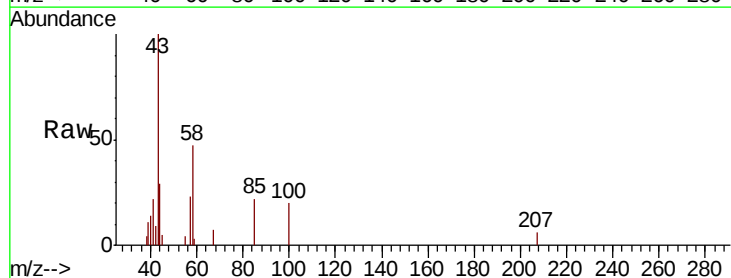
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

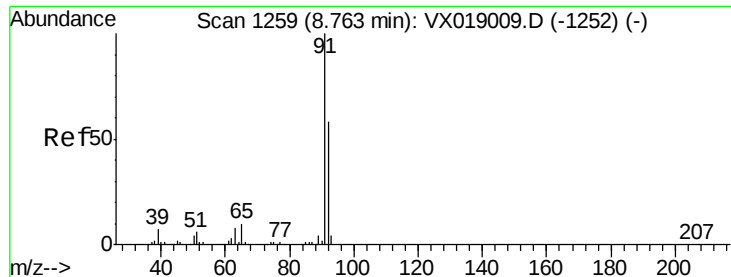
Tot Ion: 98 Resp: 458572
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.869 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

Tgt Ion: 43 Resp: 2608
Ion Ratio Lower Upper
43 100
58 41.4 37.4 56.0





#52

Toluene

Concen: 0.258 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

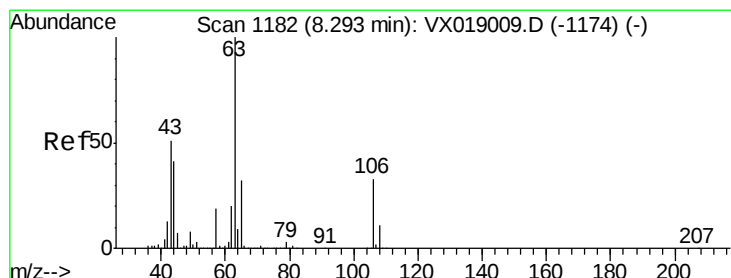
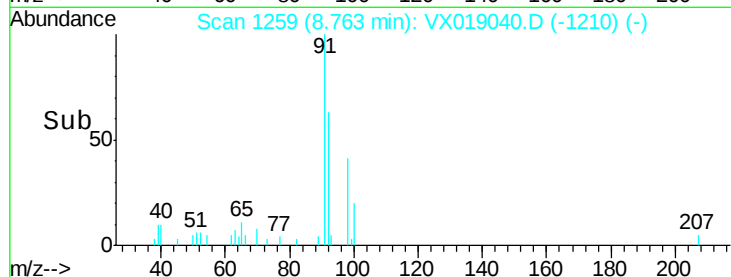
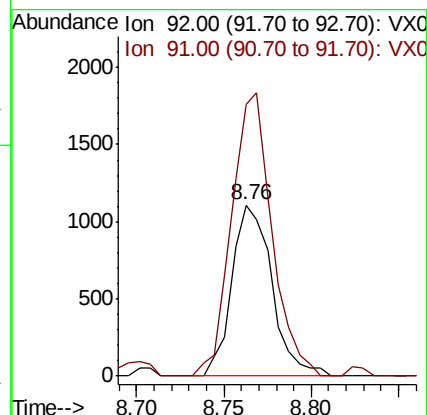
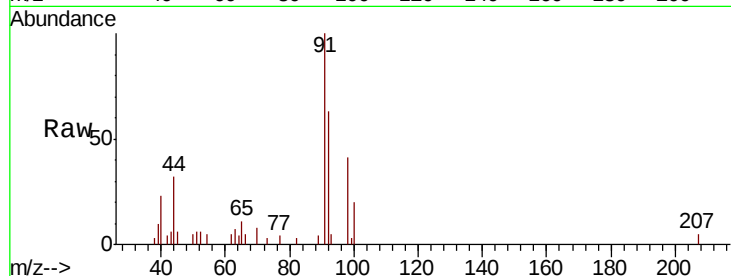
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 92 Resp: 1767

Ion Ratio Lower Upper

92 100

91 166.0 138.6 208.0



#58

2-Chloroethyl Vinyl ether

Concen: 0.708 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX019040.D

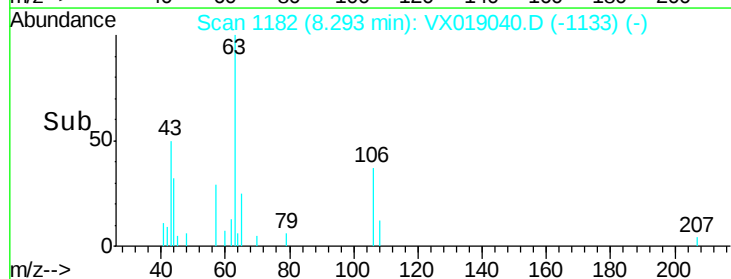
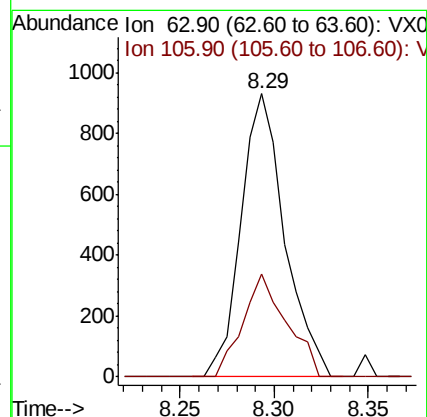
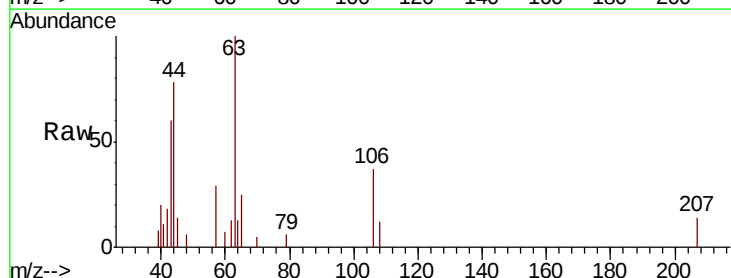
Acq: 22 Oct 2020 20:06

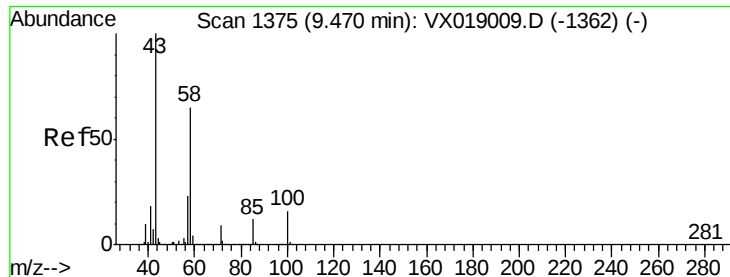
Tgt Ion: 63 Resp: 1495

Ion Ratio Lower Upper

63 100

106 36.1 26.0 39.0

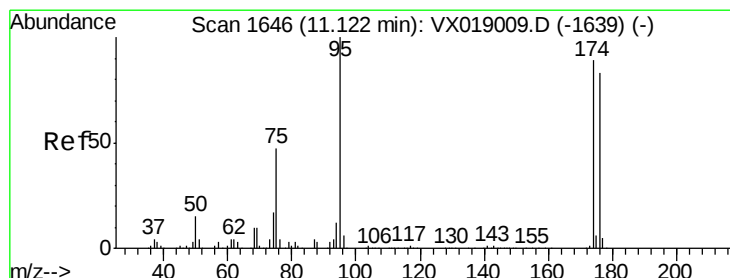
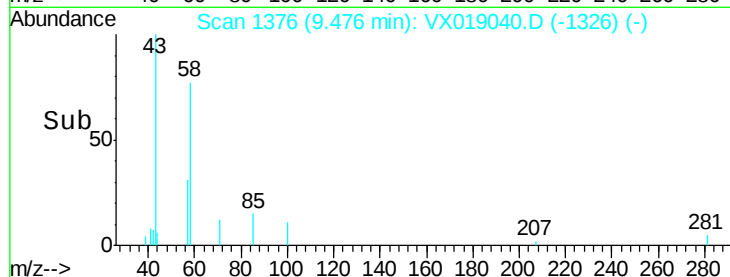
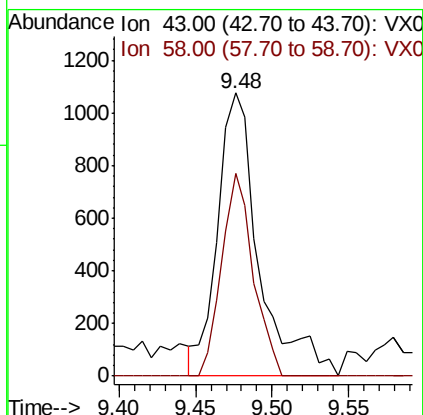
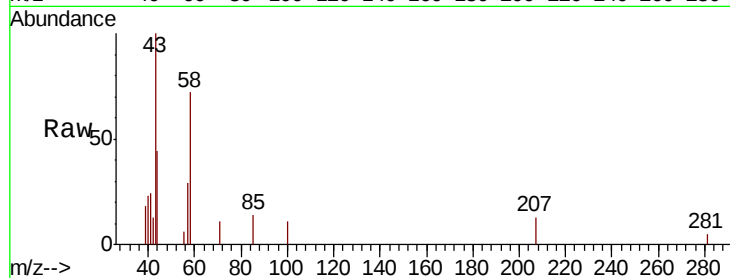




#59
2-Hexanone
Concen: 0.908 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

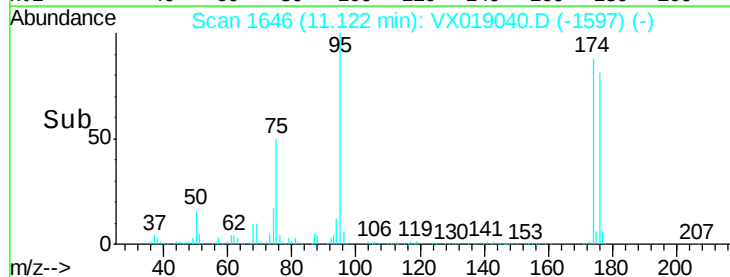
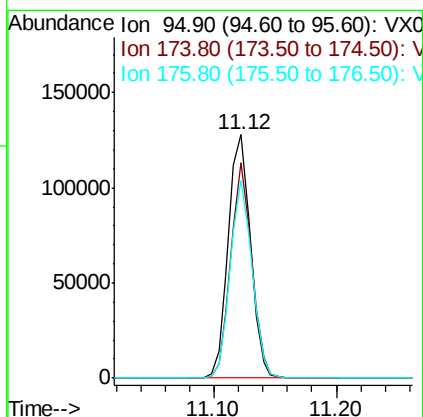
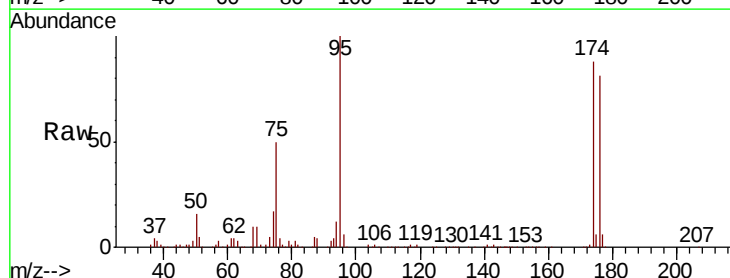
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

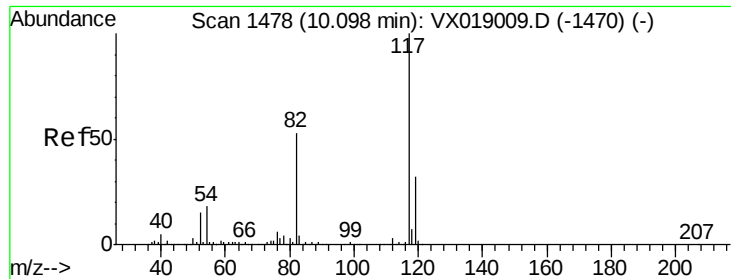
Tot Ion: 43 Resp: 2031
Ion Ratio Lower Upper
43 100
58 54.4 32.8 98.4



#62
4-Bromofluorobenzene
Concen: 47.661 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

Tgt Ion: 95 Resp: 160894
Ion Ratio Lower Upper
95 100
174 83.5 0.0 167.6
176 79.3 0.0 165.2

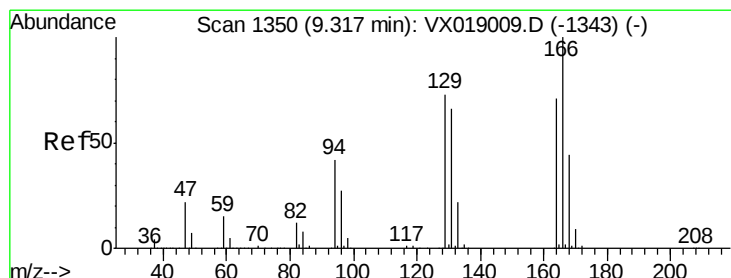
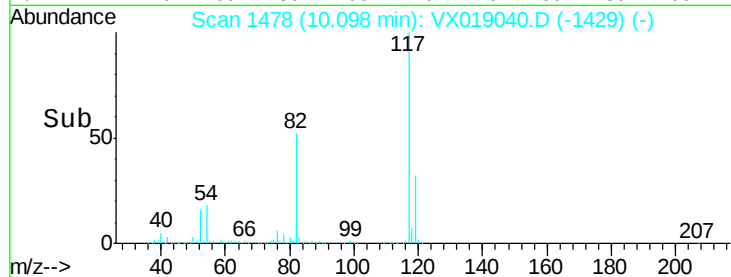
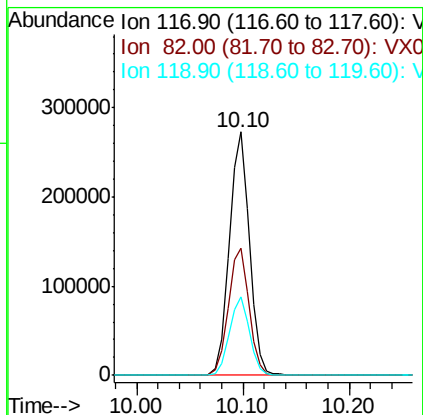
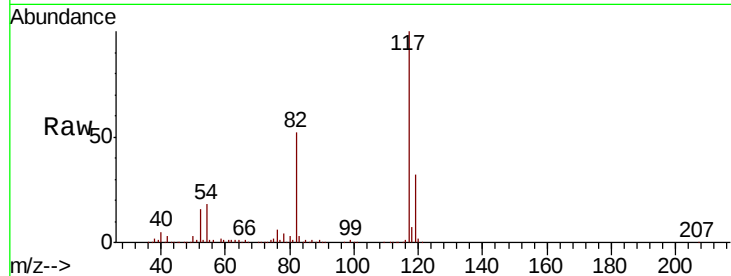




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

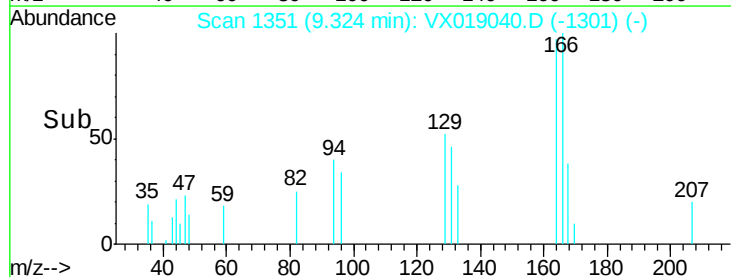
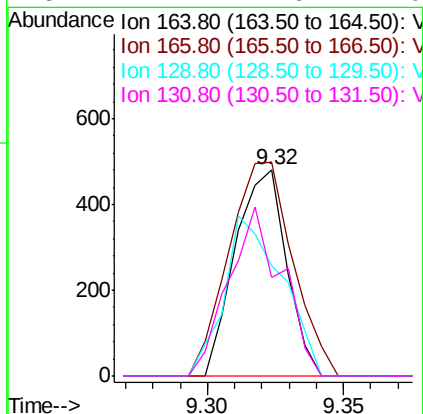
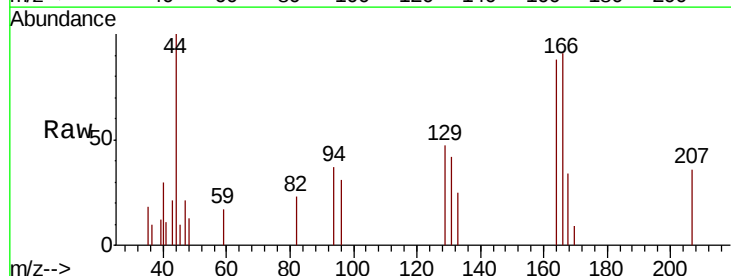
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

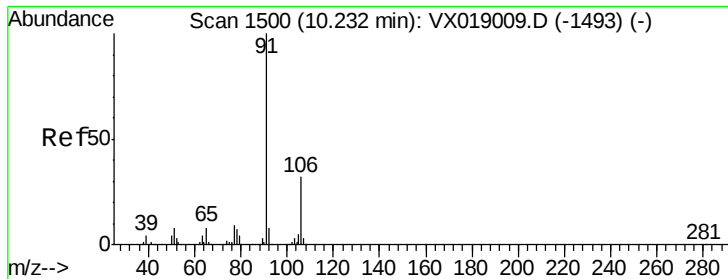
Tot Ion:117 Resp: 362622
Ion Ratio Lower Upper
117 100
82 52.1 42.4 63.6
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 0.227 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

Tgt Ion:164 Resp: 628
Ion Ratio Lower Upper
164 100
166 103.3 112.2 168.4#
129 53.3 81.8 122.8#
131 47.7 74.6 112.0#

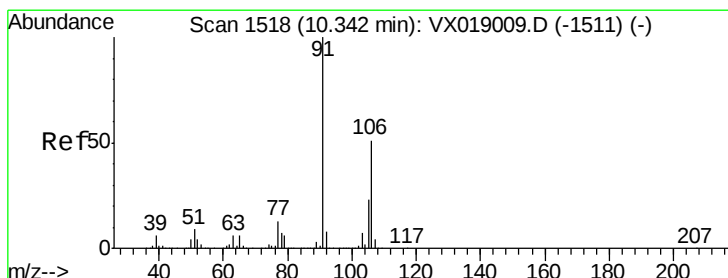
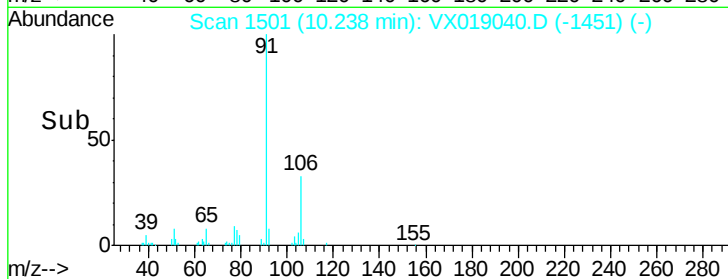
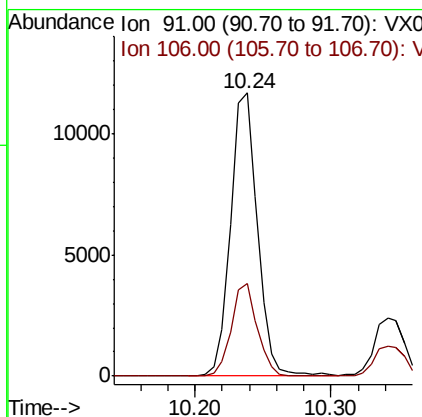
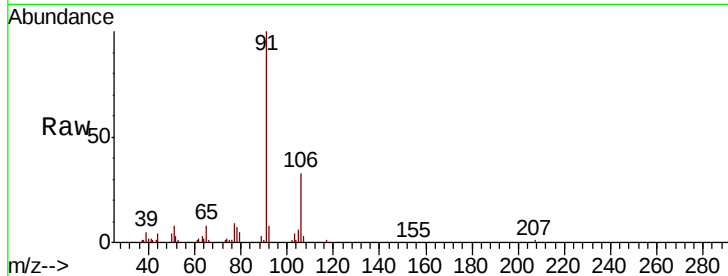




#67
Ethyl Benzene
Concen: 1.226 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

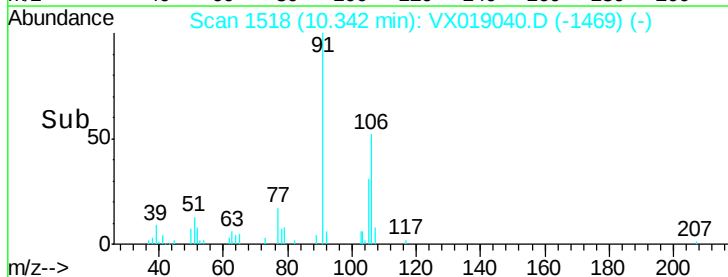
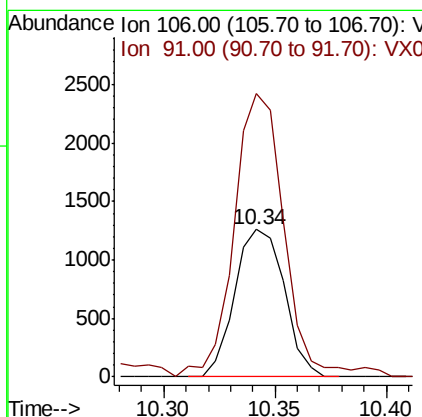
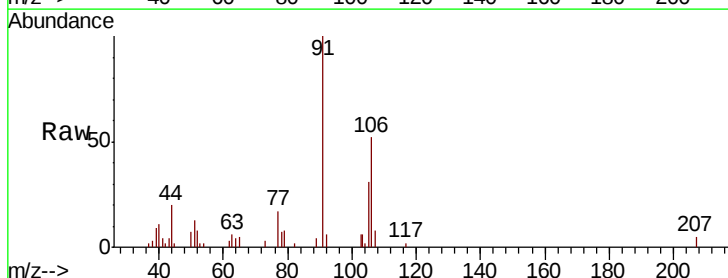
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

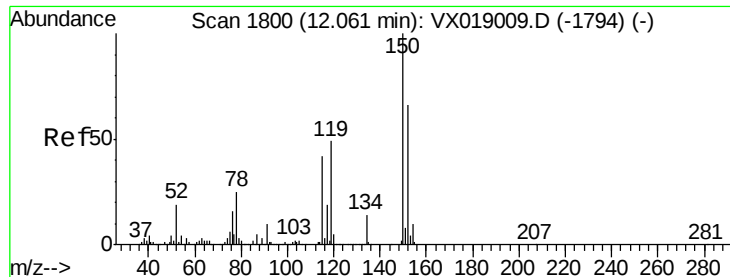
Tot Ion: 91 Resp: 16077
Ion Ratio Lower Upper
91 100
106 33.0 25.3 37.9



#68
m/p-Xylenes
Concen: 0.388 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

Tgt Ion: 106 Resp: 1947
Ion Ratio Lower Upper
106 100
91 195.3 156.9 235.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

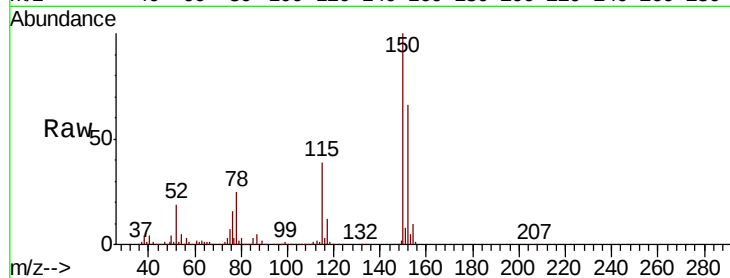
Tot Ion:152 Resp: 181440

Ion Ratio Lower Upper

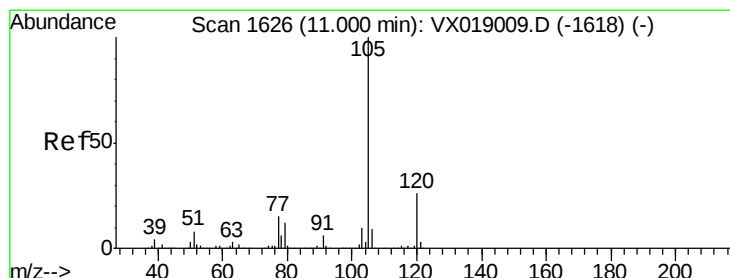
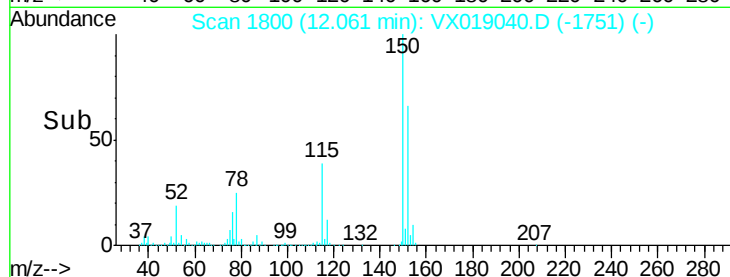
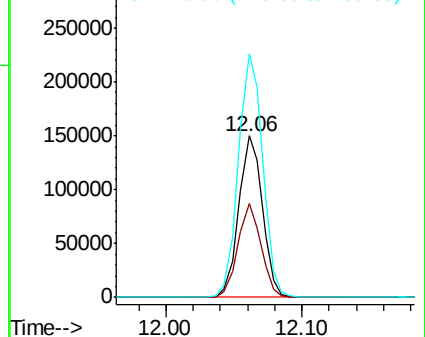
152 100

115 56.8 40.8 122.5

150 154.6 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.443 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019040.D

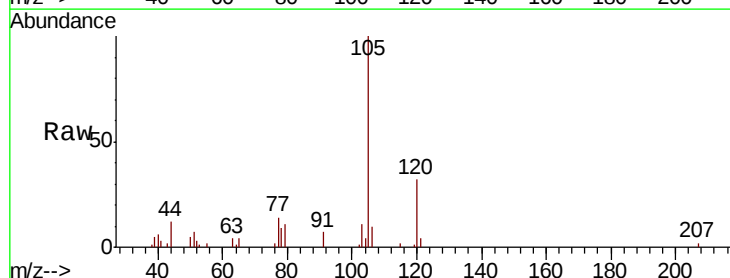
Acq: 22 Oct 2020 20:06

Tgt Ion:105 Resp: 5781

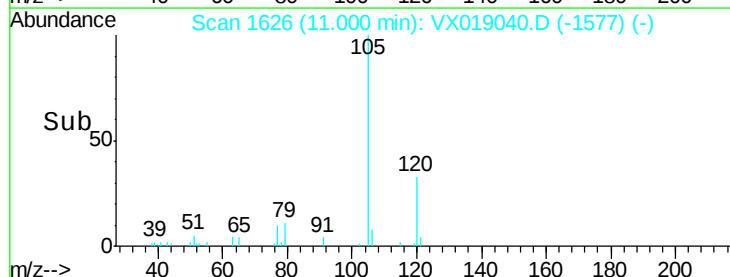
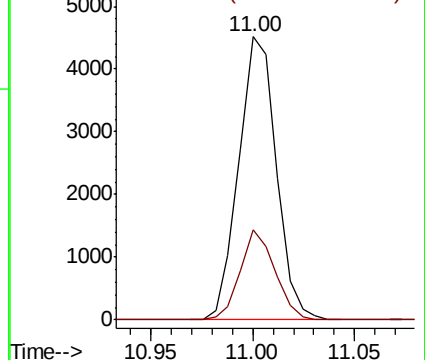
Ion Ratio Lower Upper

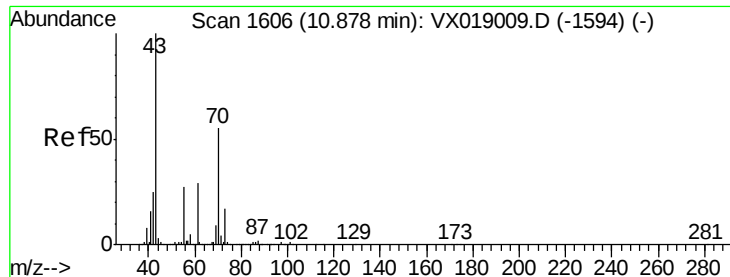
105 100

120 29.2 13.4 40.1



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





#74

N-amvl acetate

Concen: 0.227 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

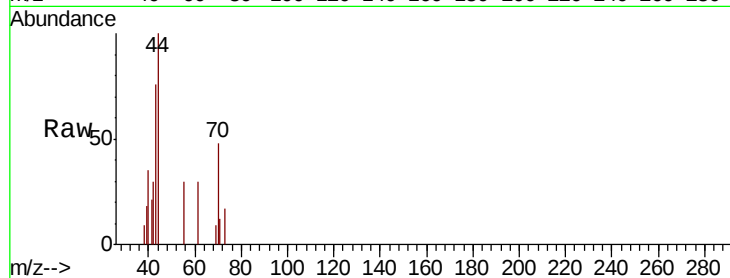
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 951

Ion Ratio Lower Upper

43	100		
70	46.6	44.5	66.7
55	30.6	21.9	32.9
61	0.0	23.9	35.9#

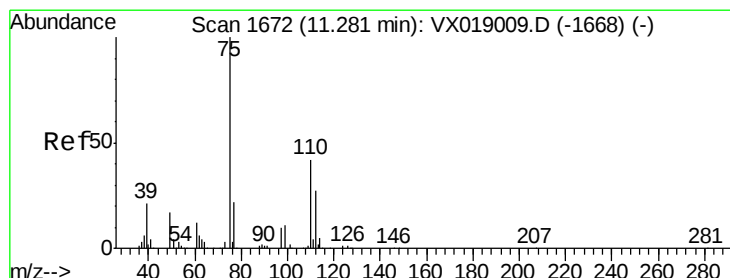
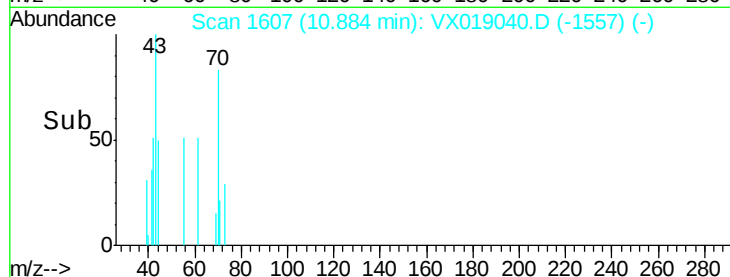
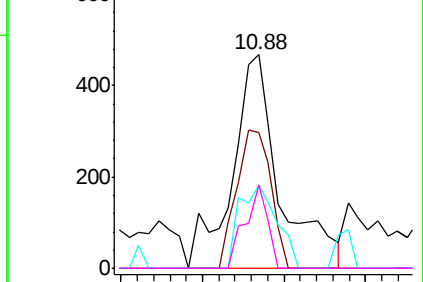


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.097 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

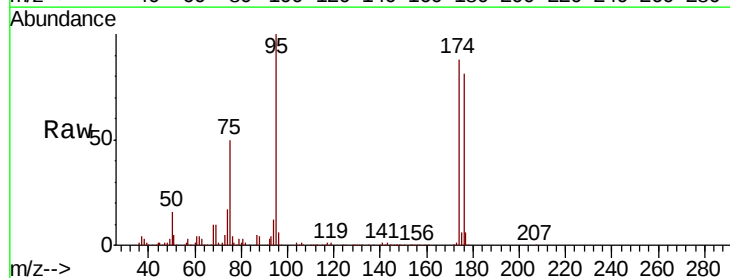
Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Tgt Ion: 75 Resp: 80135

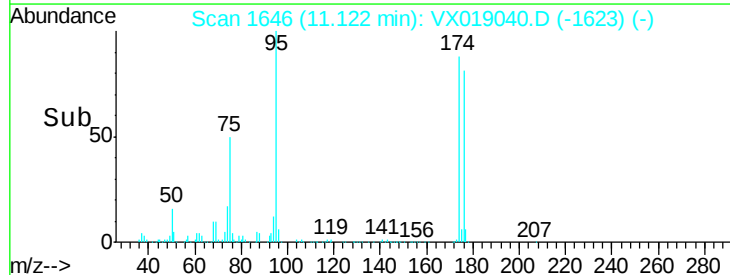
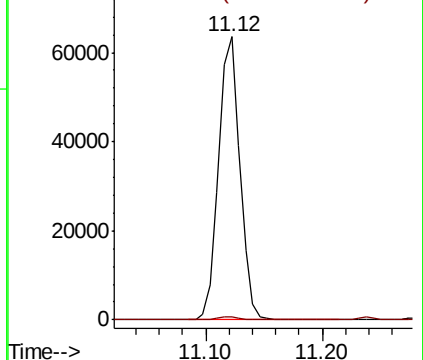
Ion Ratio Lower Upper

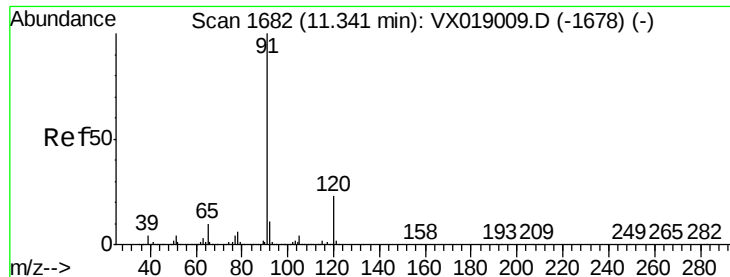
75	100		
77	1.2	20.7	62.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.696 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

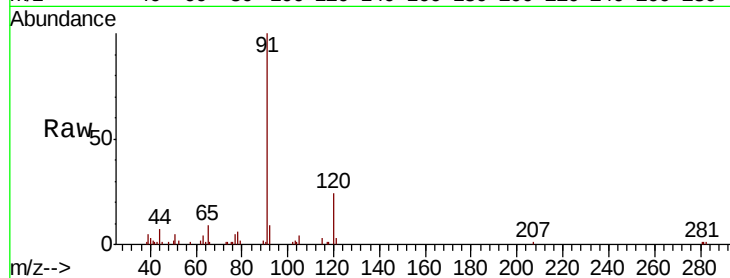
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 10296

Ion Ratio Lower Upper

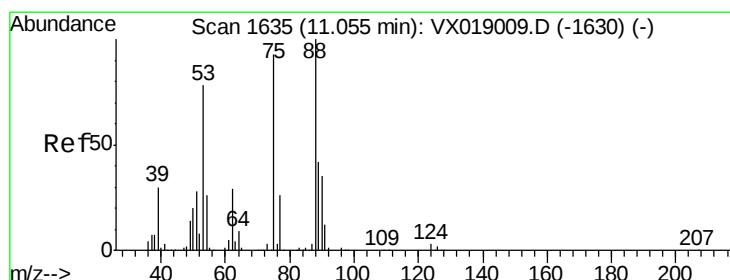
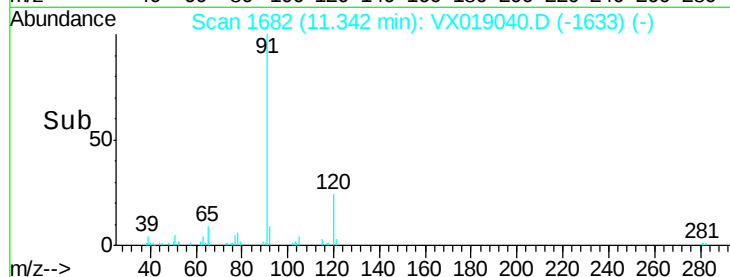
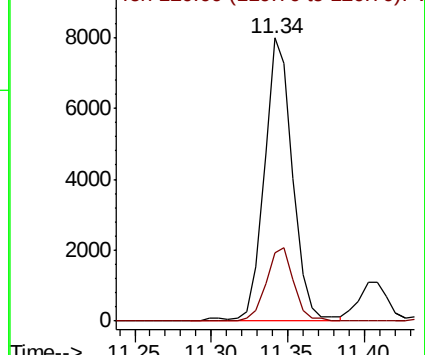
91 100

120 25.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 56.299 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019040.D

Acq: 22 Oct 2020 20:06

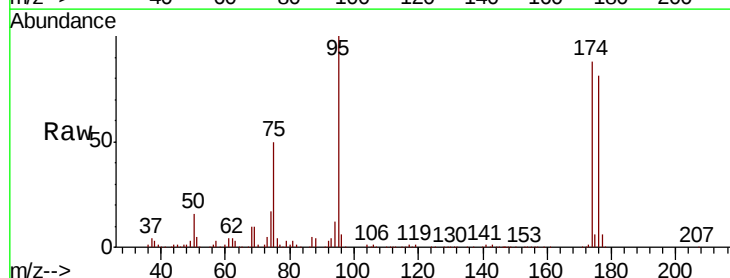
Tgt Ion: 75 Resp: 80135

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

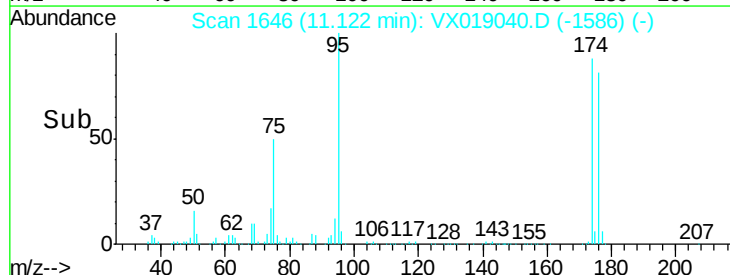
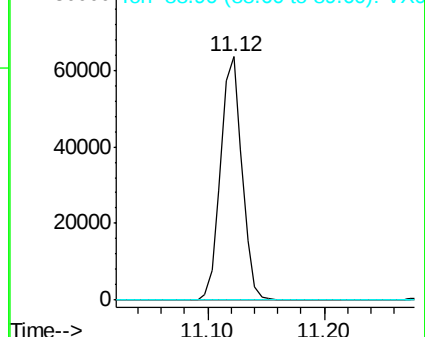
89 0.0 37.2 55.8#

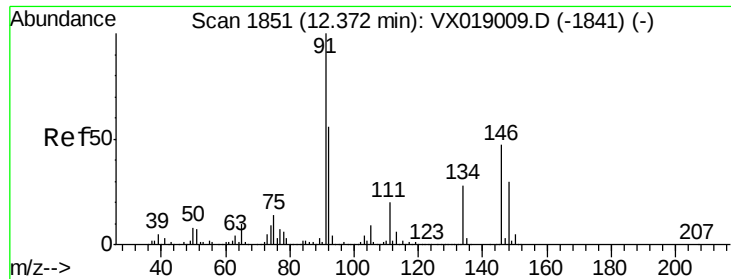


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

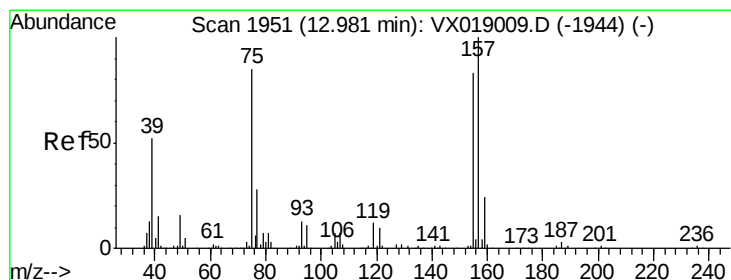
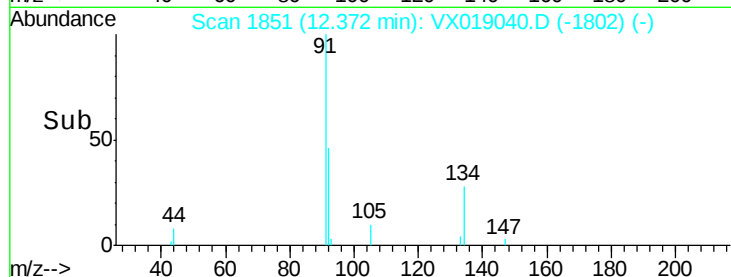
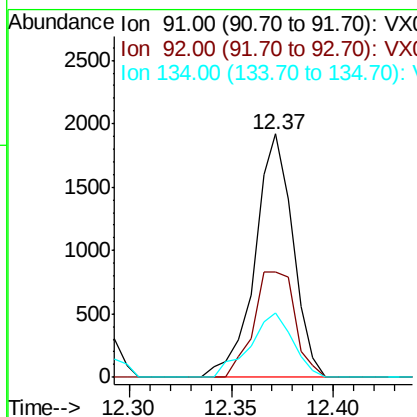
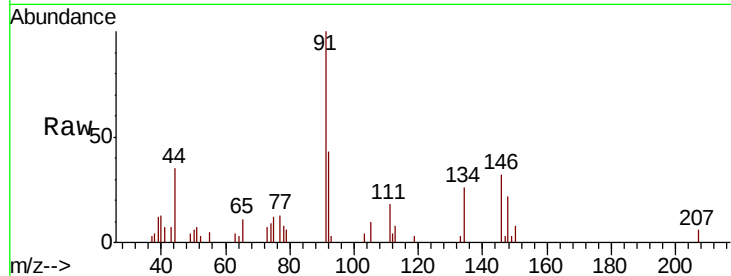




#89
n-Butylbenzene
Concen: 0.231 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

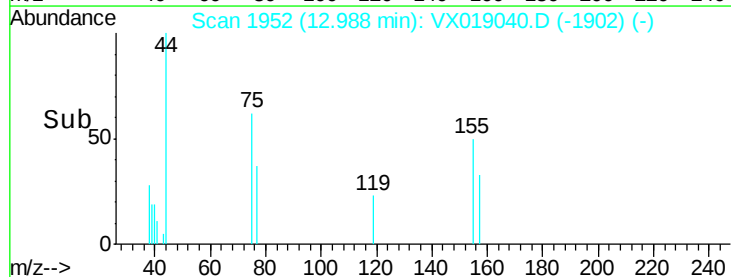
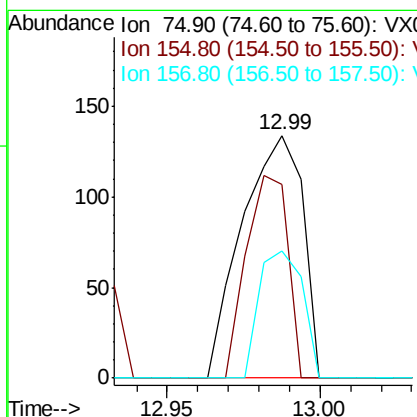
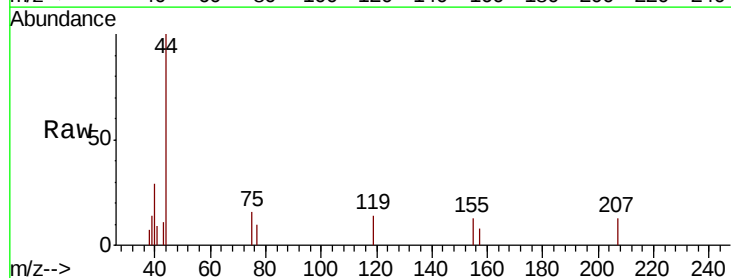
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

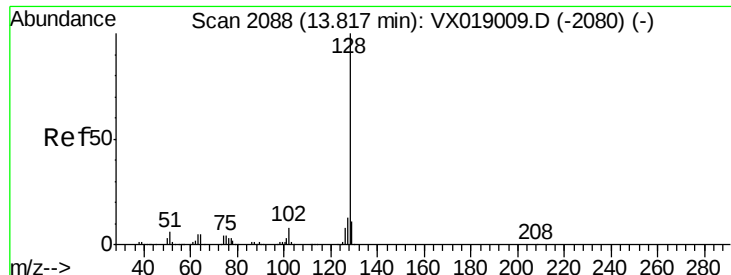
Tot Ion: 91 Resp: 2481
Ion Ratio Lower Upper
91 100
92 47.5 27.3 81.9
134 29.9 13.6 40.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.206 ug/l
RT: 12.99 min Scan# 1952
Delta R.T. 0.01 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

Tgt Ion: 75 Resp: 184
Ion Ratio Lower Upper
75 100
155 57.1 47.3 142.0
157 38.0 59.7 179.0#

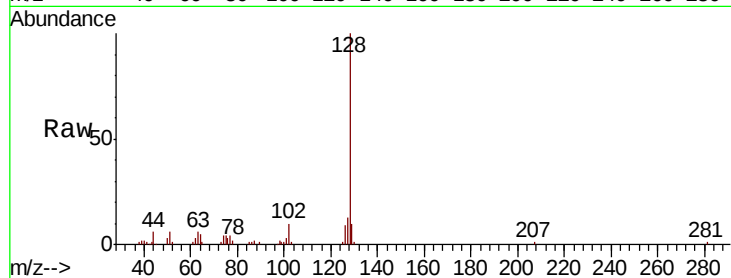




#95
Naphthalene
Concen: 1.502 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019040.D
Acq: 22 Oct 2020 20:06

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.4	8.7	13.1



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

