

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008518.D
 Acq On : 28 Mar 2019 14:40
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Quant Time: Mar 29 01:28:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	439629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	741964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	647454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	283317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	328535	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	5.50	113	239741	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.71	98	970166	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	340026	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1999	0.386	ug/l	98
3) Chloromethane	1.32	50	3033	Below Cal		97
4) Vinyl Chloride	1.40	62	2905	0.401	ug/l	98
5) Bromomethane	1.64	94	2049	2.328	ug/l	94
6) Chloroethane	1.72	64	2330	0.544	ug/l	95
7) Trichlorofluoromethane	1.93	101	3183	0.388	ug/l	89
8) Diethyl Ether	2.19	74	1696	0.437	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2051	0.414	ug/l	98
10) Methyl Iodide	2.51	142	1463	4.408	ug/l #	90
11) Tert butyl alcohol	3.05	59	3018	2.044	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	2123	0.415	ug/l	96
13) Acrolein	2.29	56	2064	1.925	ug/l	96
14) Allyl chloride	2.73	41	4587	0.407	ug/l	95
15) Acrylonitrile	3.14	53	7690	1.986	ug/l	98
16) Acetone	2.45	43	7933	2.277	ug/l	97
18) Methyl Acetate	2.78	43	4043	0.483	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	7486	0.406	ug/l	99
20) Methylene Chloride	2.86	84	3218	Below Cal		93
22) Diisopropyl ether	3.85	45	8442	0.380	ug/l	89
23) Vinyl Acetate	3.81	43	34172	1.765	ug/l	96
24) 1,1-Dichloroethane	3.70	63	4409	0.394	ug/l #	96
25) 2-Butanone	4.68	43	11342	2.031	ug/l	99
26) 2,2-Dichloropropane	4.58	77	2881	0.387	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	2449	0.392	ug/l	98
29) Tetrahydrofuran	5.14	42	6802	1.848	ug/l	95
30) Chloroform	5.21	83	3986	0.394	ug/l	98
31) Cyclohexane	5.59	56	4251	0.398	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	3222	0.399	ug/l #	48
36) 1,1-Dichloropropene	5.80	75	3553	0.449	ug/l #	86
37) Ethyl Acetate	4.84	43	3686	0.360	ug/l #	89
38) Carbon Tetrachloride	5.78	117	2848	0.431	ug/l	87
39) Methylcyclohexane	7.46	83	3707	0.392	ug/l	98
40) Benzene	6.15	78	9667	0.408	ug/l	96
41) Methacrylonitrile	5.04	41	2380	0.413	ug/l #	93

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	6.20	62	3862	0.445	ug/l	100
43) Isopropyl Acetate	6.45	43	5774	0.352	ug/l #	92
44) Trichloroethene	7.21	130	2155	0.388	ug/l	90
45) 1,2-Dichloropropane	7.51	63	3026	0.450	ug/l	89
46) Dibromomethane	7.67	93	1597	0.406	ug/l	96
47) Bromodichloromethane	7.90	83	2816	0.374	ug/l #	92
48) Methyl methacrylate	7.77	41	3320	0.405	ug/l	93
49) 1,4-Dioxane	7.75	88	1407	8.627	ug/l	87
51) 4-Methyl-2-Pentanone	8.64	43	19010	1.785	ug/l	96
52) Toluene	8.79	92	5893	0.416	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	2642	0.321	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	3424	0.365	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	2217	0.385	ug/l	98
56) Ethyl methacrylate	9.18	69	3686	0.354	ug/l	91
57) 1,3-Dichloropropane	9.37	76	3915	0.379	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	8373	1.557	ug/l	99
59) 2-Hexanone	9.49	43	14817	1.796	ug/l	98
60) Dibromochloromethane	9.58	129	1770	0.323	ug/l	97
61) 1,2-Dibromoethane	9.67	107	2203	0.374	ug/l	96
64) Tetrachloroethene	9.34	164	1940	0.443	ug/l	96
65) Chlorobenzene	10.14	112	5735	0.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	1772	0.365	ug/l #	61
67) Ethyl Benzene	10.25	91	10496	0.395	ug/l	97
68) m/p-Xylenes	10.36	106	7442	0.770	ug/l	99
69) o-Xylene	10.70	106	3589	0.383	ug/l	100
70) Styrene	10.71	104	5896	0.364	ug/l	99
71) Bromoform	10.86	173	1213	0.316	ug/l #	97
73) Isopropylbenzene	11.02	105	9257	0.402	ug/l	99
74) N-amyl acetate	10.90	43	4955	0.371	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	3789	0.424	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	173508	20.600	ug/l #	34
77) Bromobenzene	11.26	156	2434	0.435	ug/l	98
78) n-propylbenzene	11.36	91	10872	0.403	ug/l	99
79) 2-Chlorotoluene	11.42	91	6837	0.416	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	7809	0.401	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	173508	65.978	ug/l #	9
82) 4-Chlorotoluene	11.51	91	7759	0.410	ug/l	95
83) tert-Butylbenzene	11.77	119	7268	0.387	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	7541	0.383	ug/l	98
85) sec-Butylbenzene	11.94	105	8766	0.392	ug/l	99
86) p-Isopropyltoluene	12.06	119	7684	0.389	ug/l	85
87) 1,3-Dichlorobenzene	12.02	146	4166	0.417	ug/l	97
88) 1,4-Dichlorobenzene	12.02	146	4166	0.413	ug/l	97
89) n-Butylbenzene	12.38	91	6656	0.356	ug/l	98
90) Hexachloroethane	12.60	117	1174	0.357	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	3960	0.396	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	706	0.362	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	2505	0.372	ug/l	97
94) Hexachlorobutadiene	13.78	225	1350	0.422	ug/l	97
95) Naphthalene	13.83	128	8605	0.372	ug/l	99

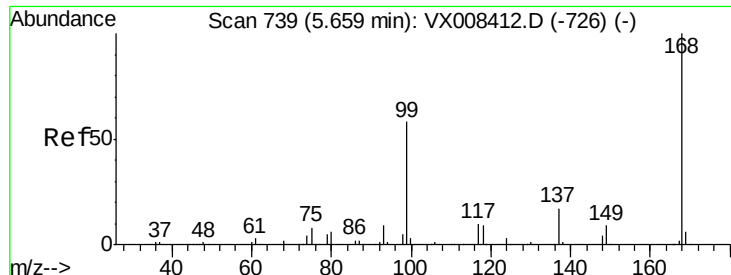
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	2824	0.417	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

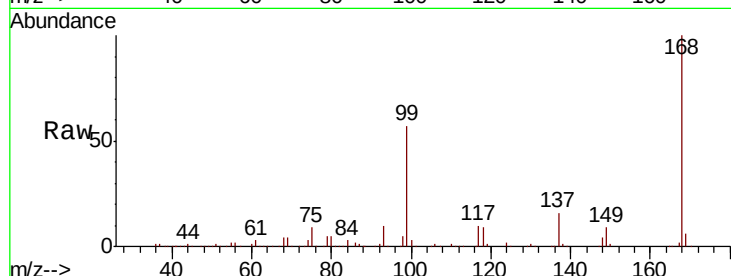
LOD-MDL-WATER-01-QT1-2019

Tot Ion:168 Resp: 439629

Ion Ratio Lower Upper

168 100

99 57.2 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

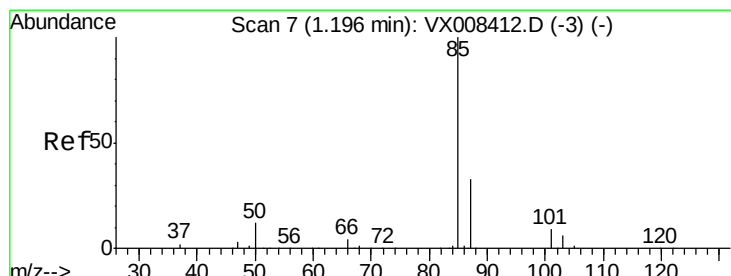
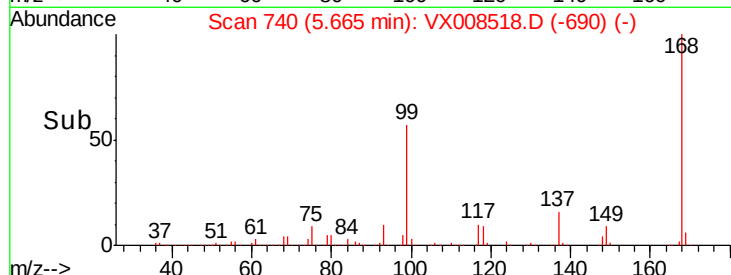
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.386 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008518.D

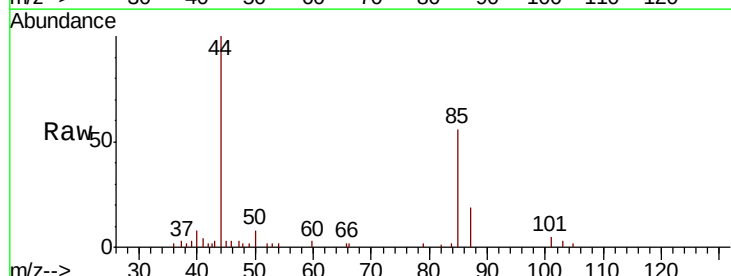
Acq: 28 Mar 2019 14:40

Tgt Ion: 85 Resp: 1999

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

2000

1500

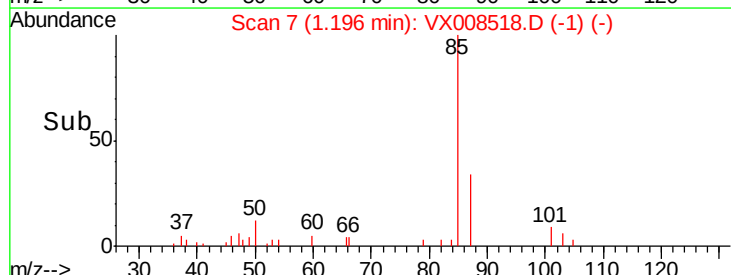
1000

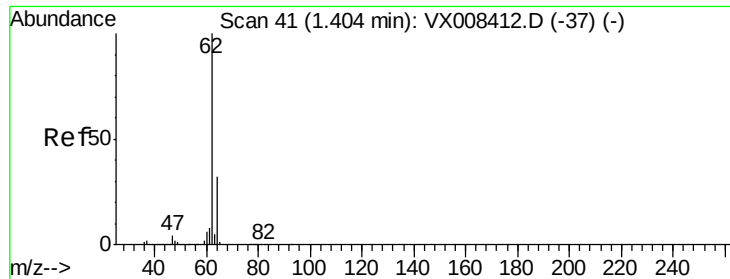
500

0

Time-->

1.15 1.20 1.25





#4

Vinyl Chloride

Concen: 0.401 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

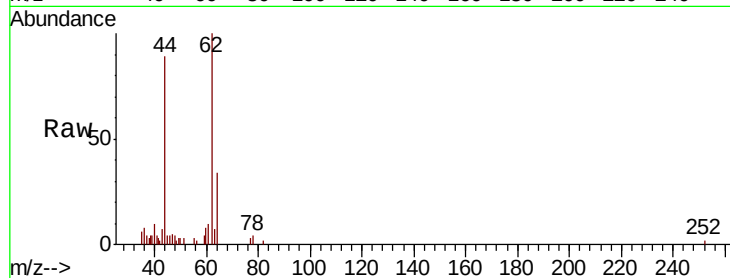
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 62 Resp: 2905

Ion Ratio Lower Upper

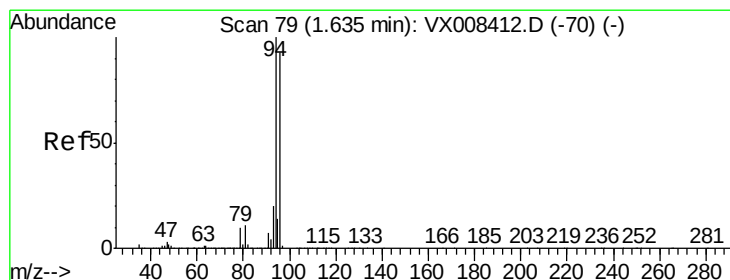
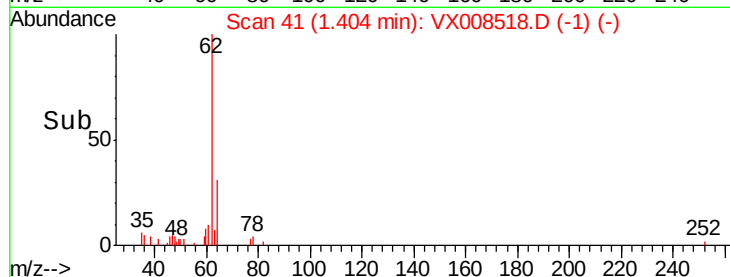
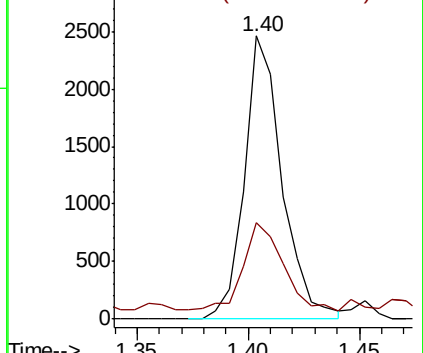
62 100

64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 2.328 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008518.D

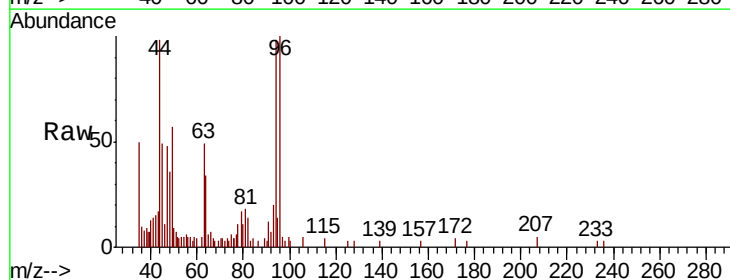
Acq: 28 Mar 2019 14:40

Tgt Ion: 94 Resp: 2049

Ion Ratio Lower Upper

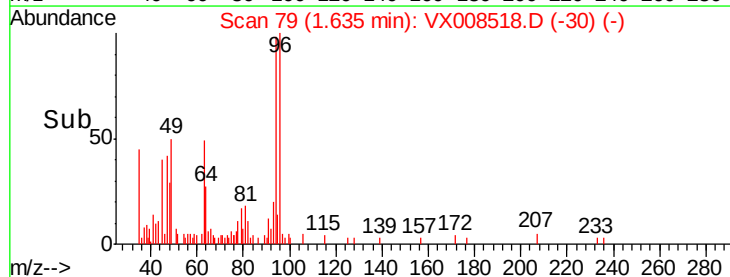
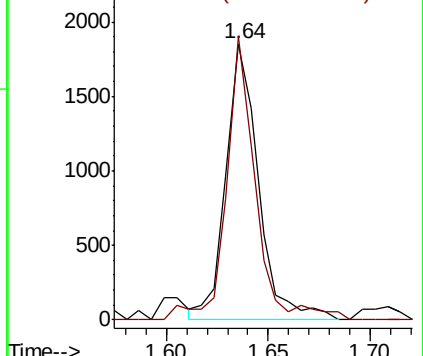
94 100

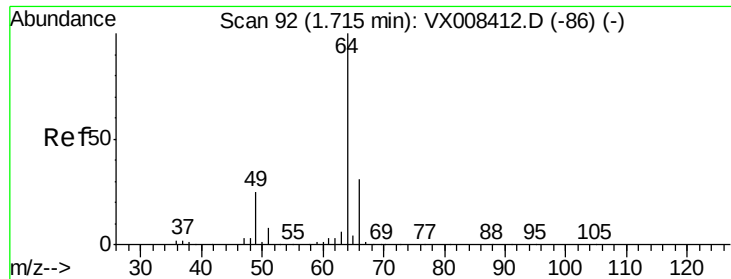
96 99.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.544 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

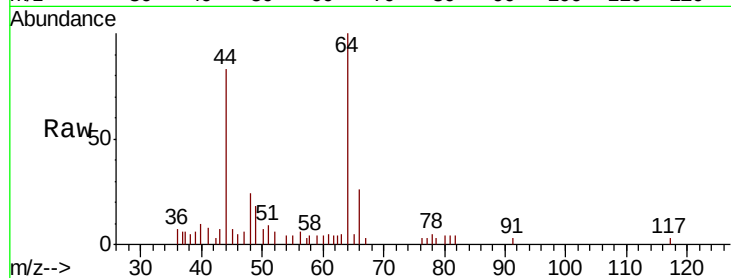
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 64 Resp: 2330

Ion Ratio Lower Upper

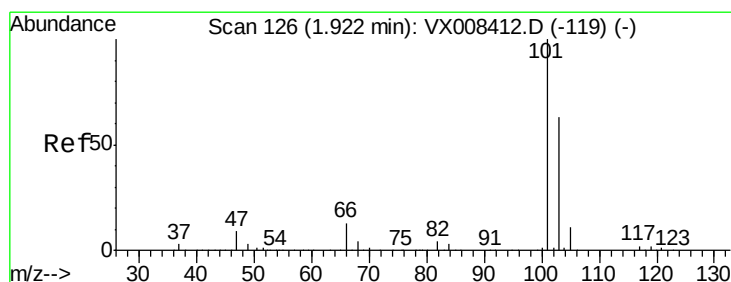
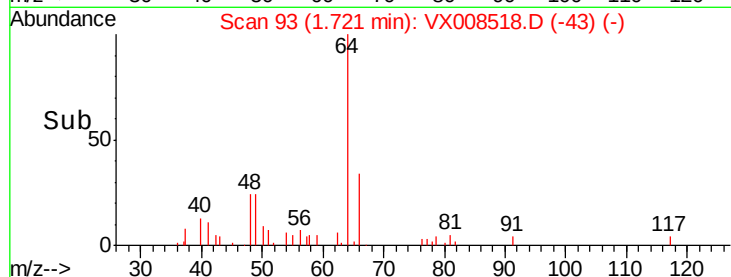
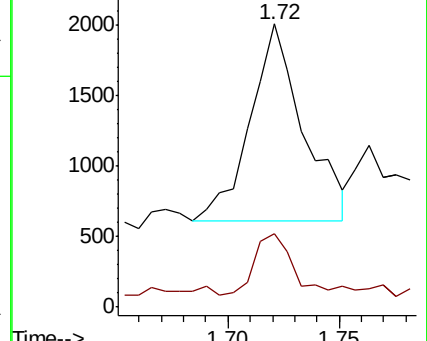
64 100

66 28.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#7

Trichlorofluoromethane

Concen: 0.388 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX008518.D

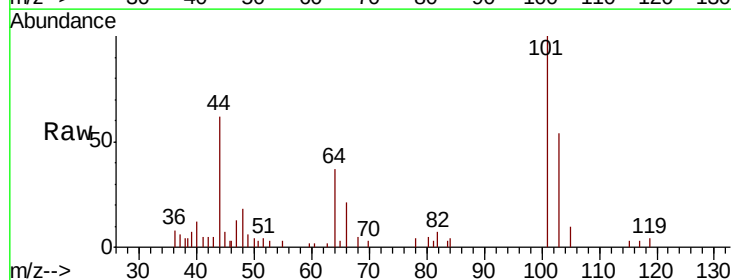
Acq: 28 Mar 2019 14:40

Tgt Ion: 101 Resp: 3183

Ion Ratio Lower Upper

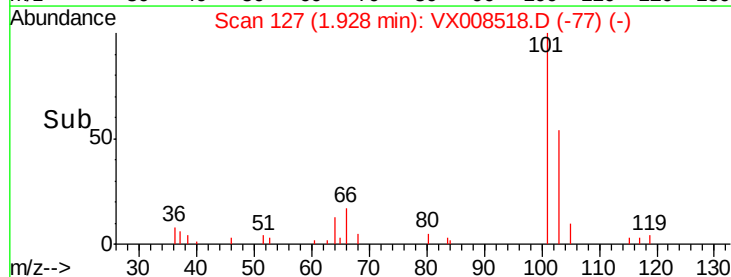
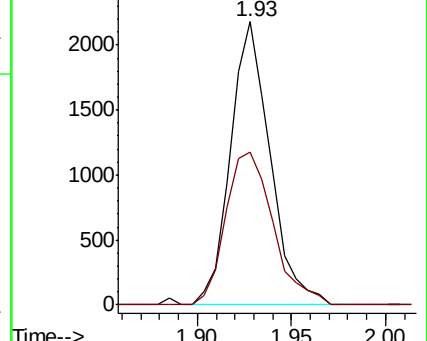
101 100

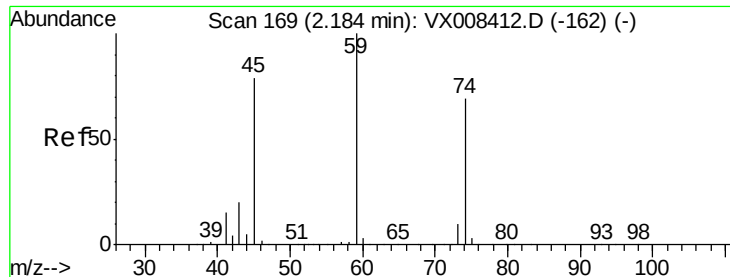
103 54.1 50.2 75.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 0.437 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

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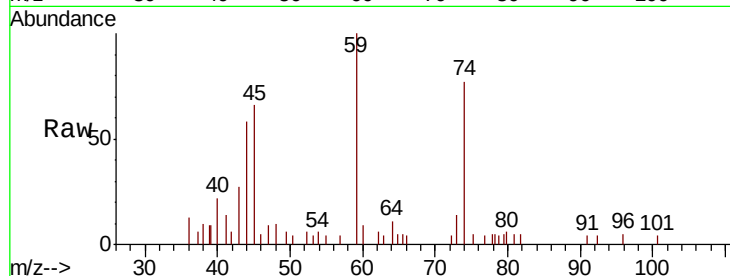
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 74 Resp: 1696

Ion Ratio Lower Upper

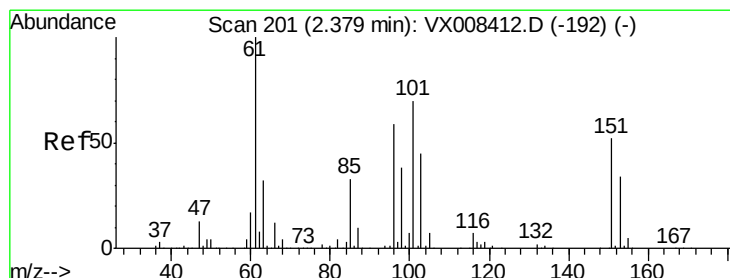
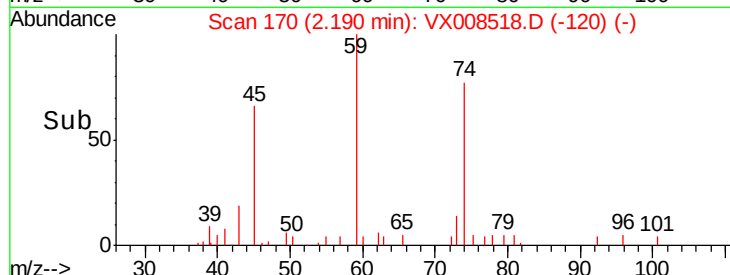
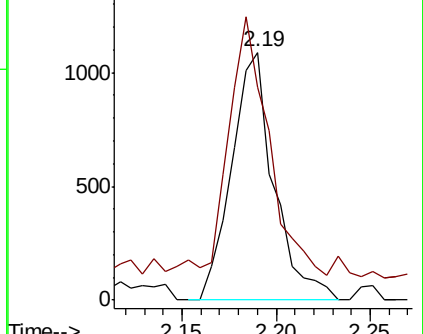
74 100

45 95.5 56.4 169.2



Abundance Ion 74.00 (73.70 to 74.70): VX008412.D (-162) (-)

Ion 45.00 (44.70 to 45.70): VX008412.D (-162) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.414 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

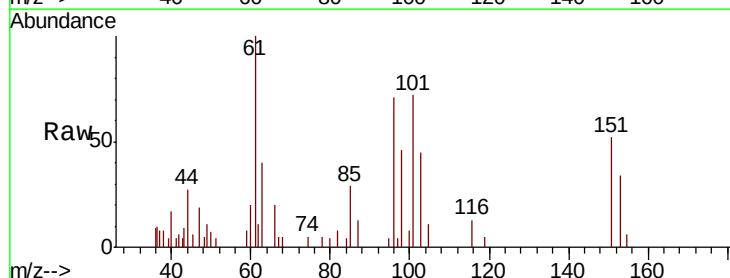
Tgt Ion: 101 Resp: 2051

Ion Ratio Lower Upper

101 100

85 46.2 36.0 54.0

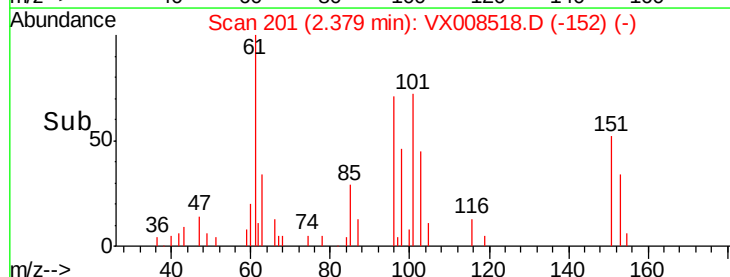
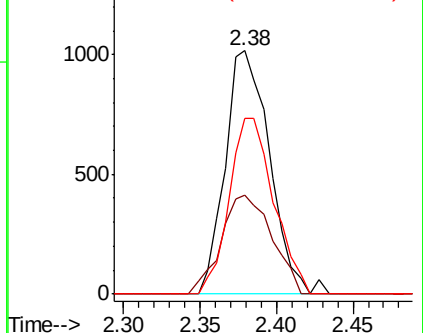
151 72.4 59.2 88.8

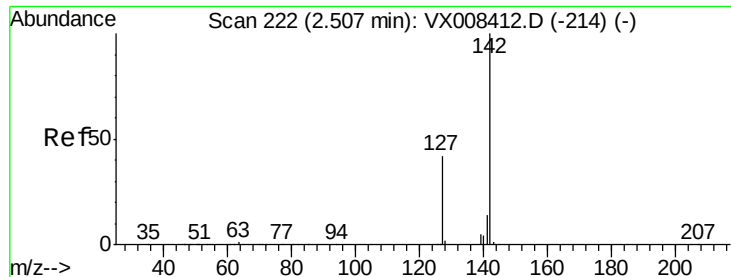


Abundance Ion 100.90 (100.60 to 101.60): VX008412.D (-192) (-)

Ion 84.90 (84.60 to 85.60): VX008412.D (-192) (-)

Ion 150.80 (150.50 to 151.50): VX008412.D (-192) (-)

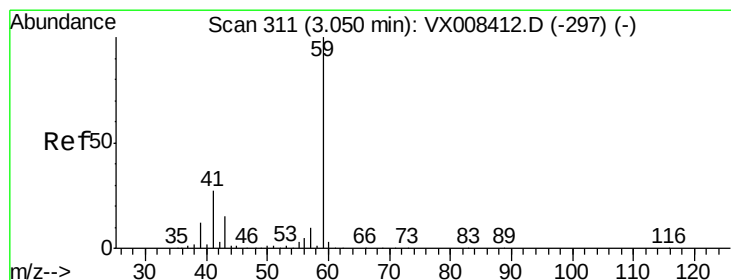
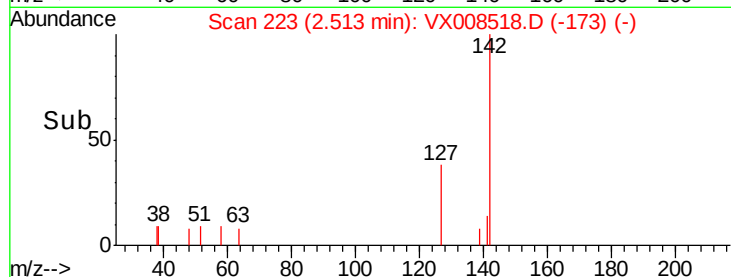
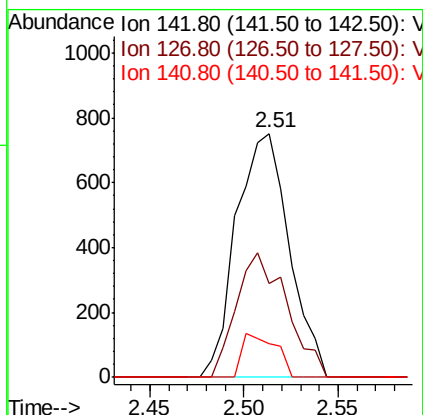
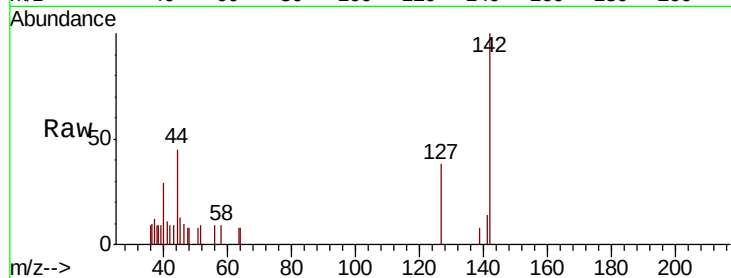




#10
Methvl Iodide
Concen: 4.408 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

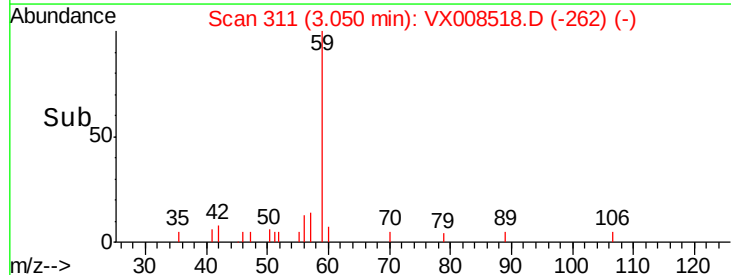
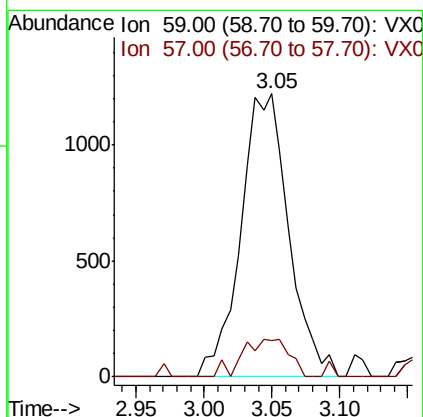
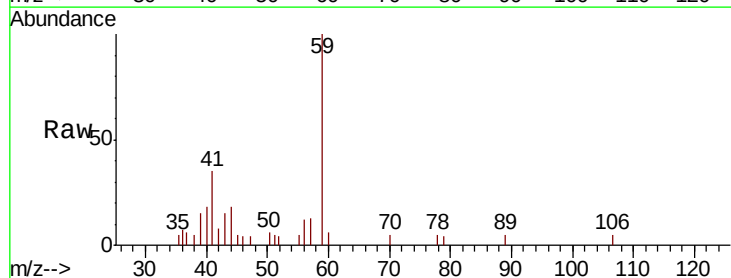
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

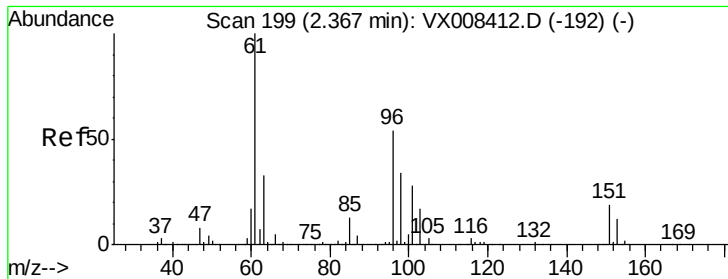
Tot Ion:142 Resp: 1463
Ion Ratio Lower Upper
142 100
127 48.7 33.6 50.4
141 11.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.044 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 59 Resp: 3018
Ion Ratio Lower Upper
59 100
57 12.9 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.415 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

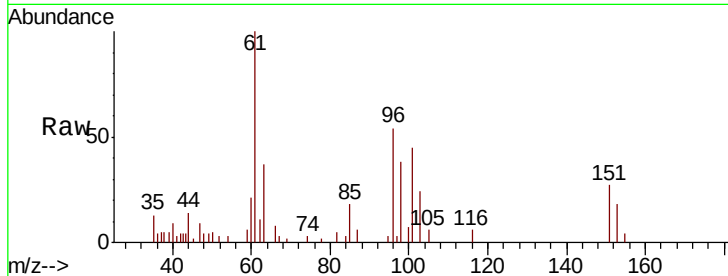
Tot Ion: 96 Resp: 2123

Ion Ratio Lower Upper

96 100

61 181.2 146.9 220.3

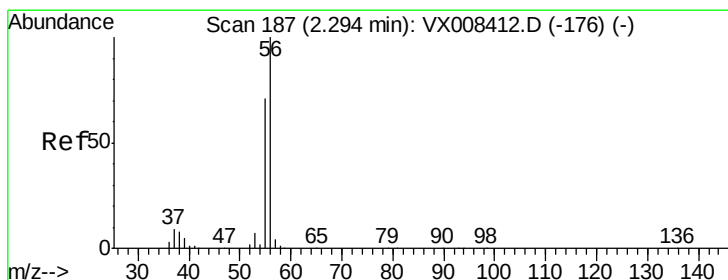
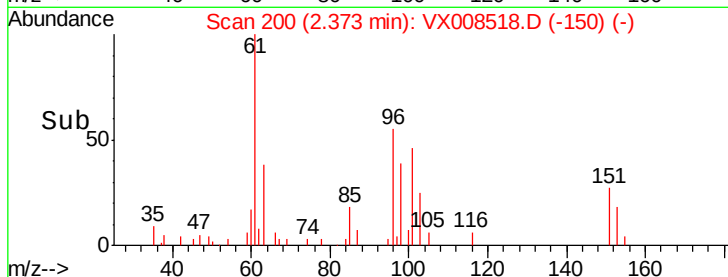
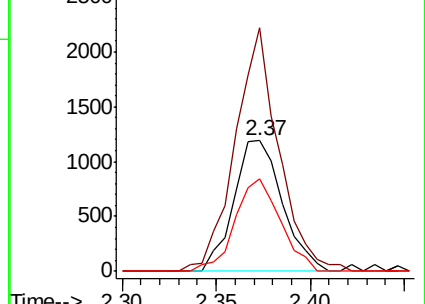
98 70.9 50.1 75.1



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



#13

Acrolein

Concen: 1.925 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008518.D

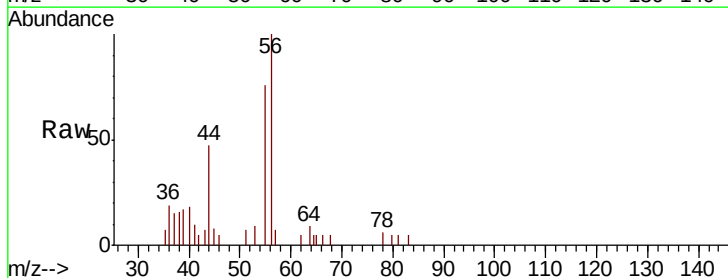
Acq: 28 Mar 2019 14:40

Tgt Ion: 56 Resp: 2064

Ion Ratio Lower Upper

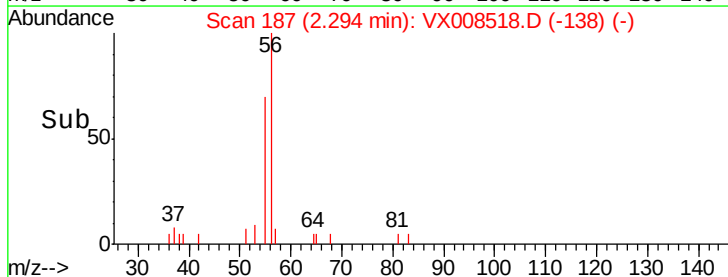
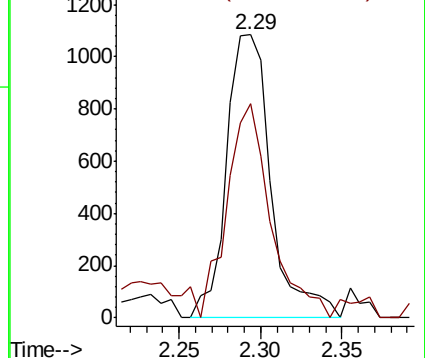
56 100

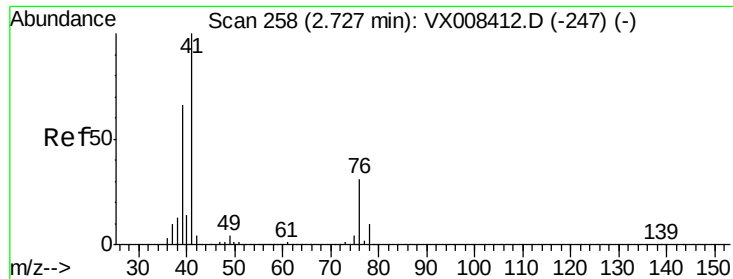
55 73.9 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

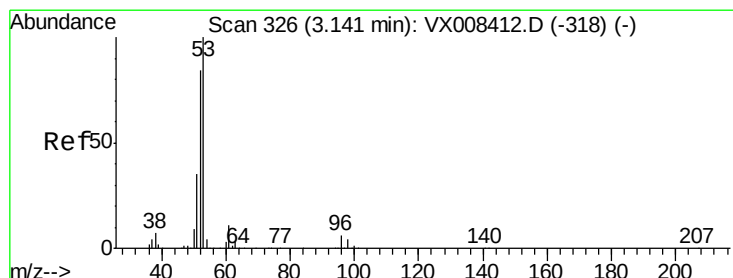
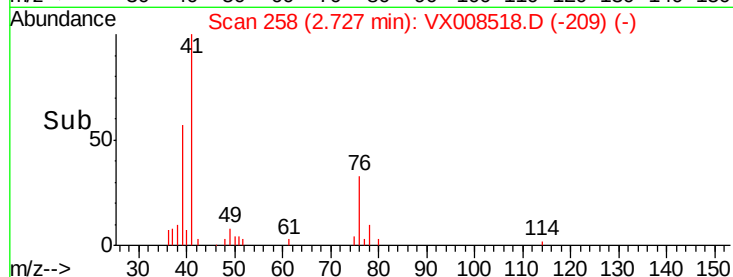
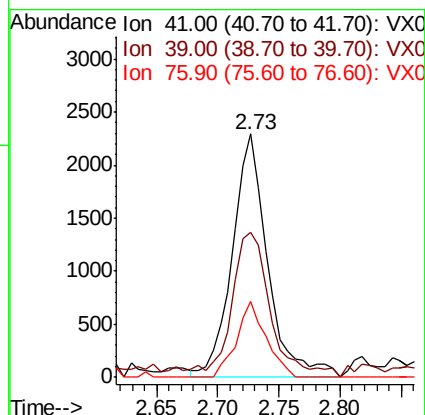
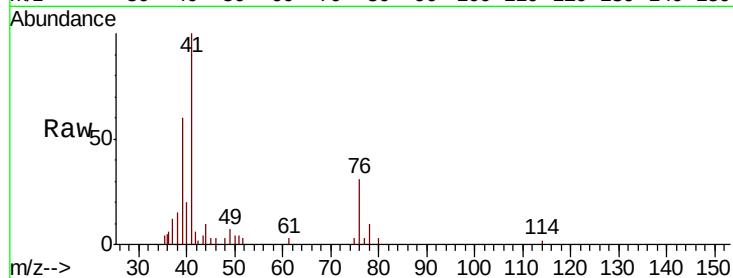




#14
Allvl chloride
Concen: 0.407 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

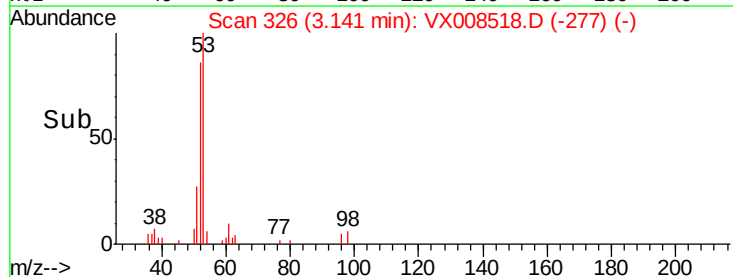
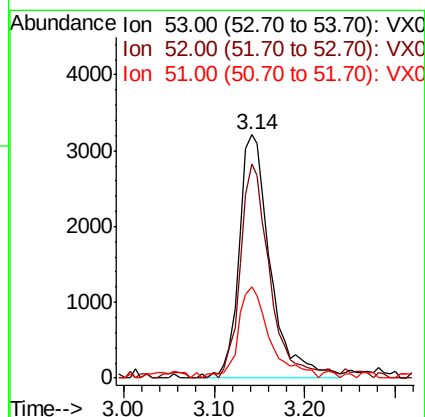
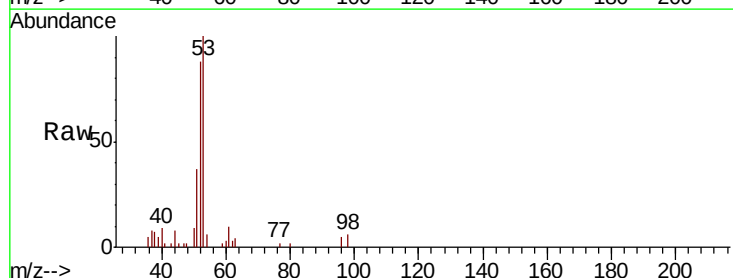
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

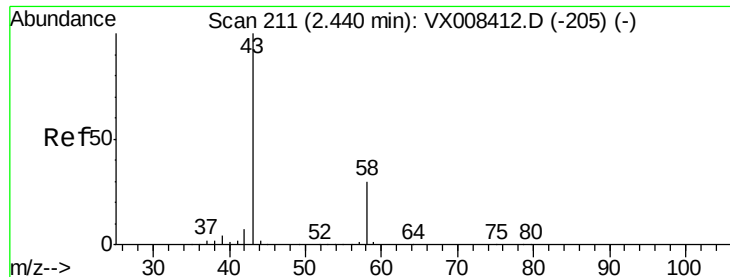
Tot Ion: 41 Resp: 4587
Ion Ratio Lower Upper
41 100
39 65.7 49.6 74.4
76 26.1 22.6 34.0



#15
Acrylonitrile
Concen: 1.986 ug/l
RT: 3.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 53 Resp: 7690
Ion Ratio Lower Upper
53 100
52 83.8 66.5 99.7
51 37.7 28.3 42.5





#16

Acetone

Concen: 2.277 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

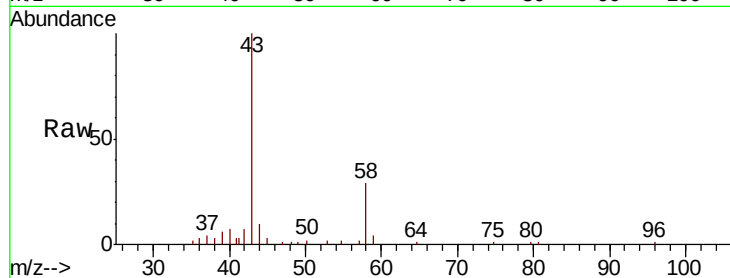
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 7933

Ion Ratio Lower Upper

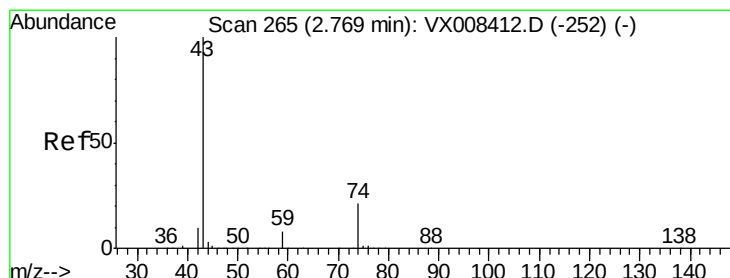
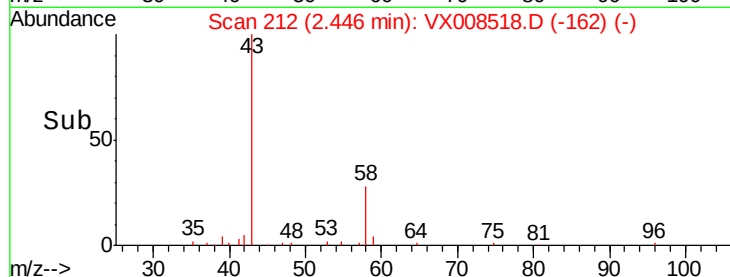
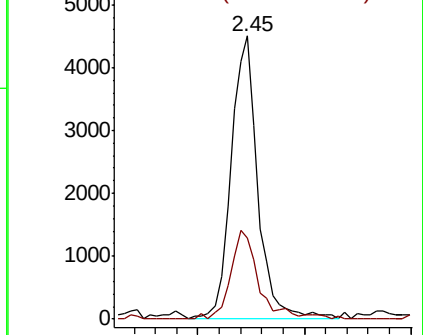
43 100

58 28.6 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.483 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX008518.D

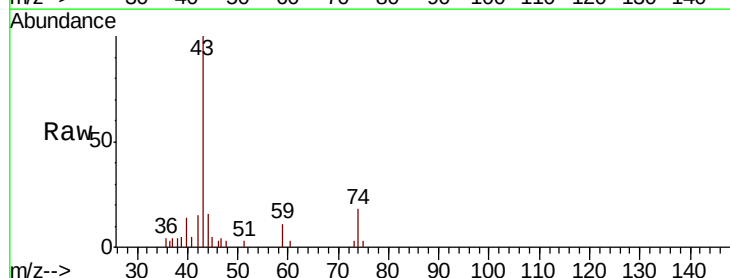
Acq: 28 Mar 2019 14:40

Tgt Ion: 43 Resp: 4043

Ion Ratio Lower Upper

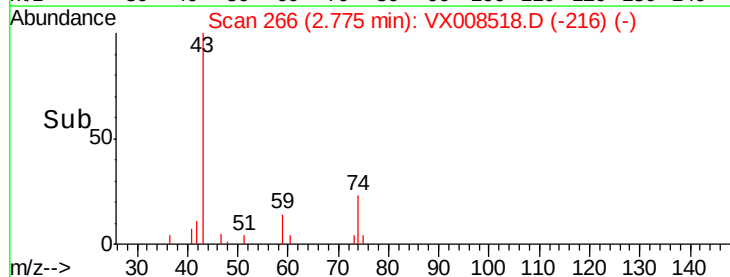
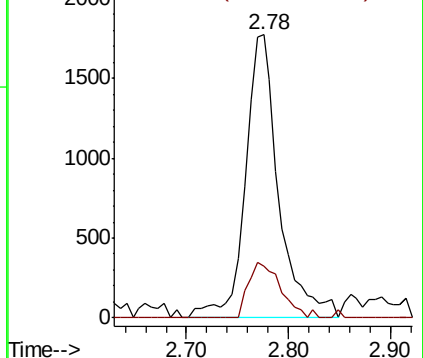
43 100

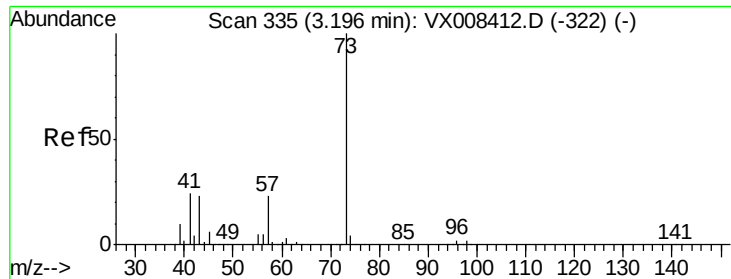
74 19.1 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

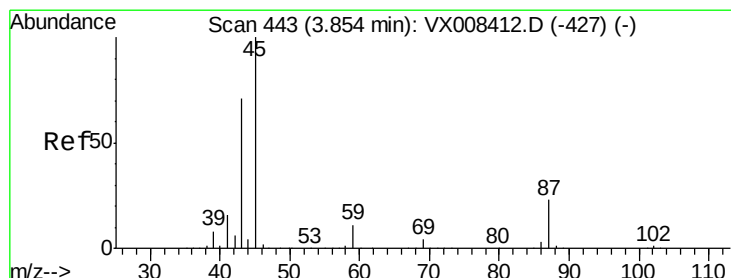
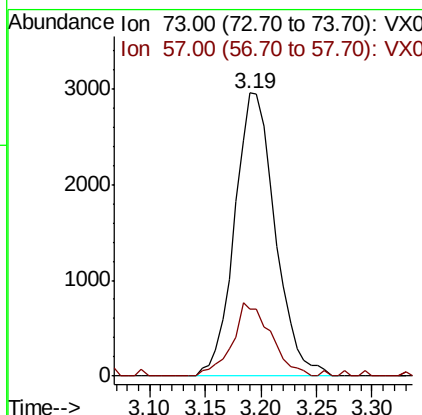
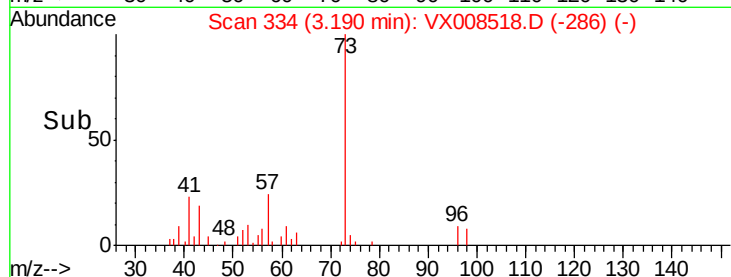
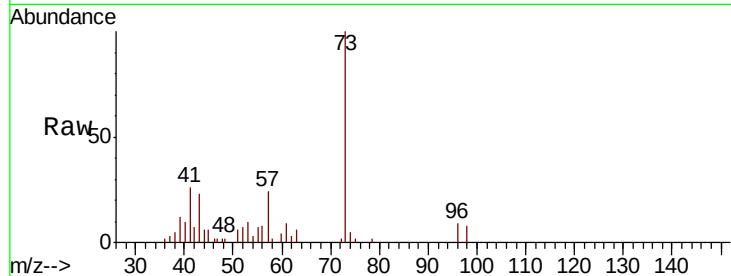




#19
Methyl tert-butyl Ether
Concen: 0.406 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

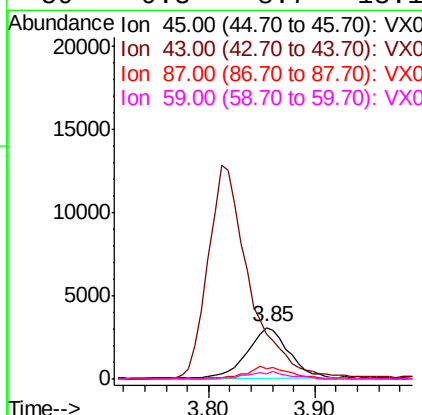
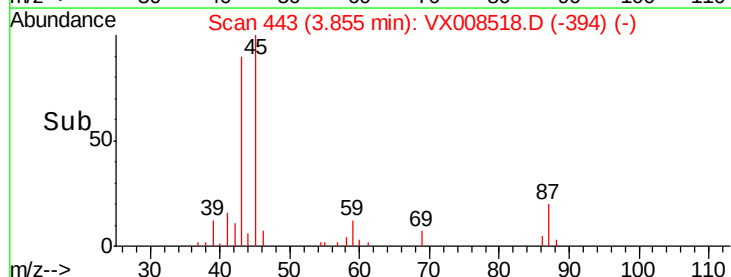
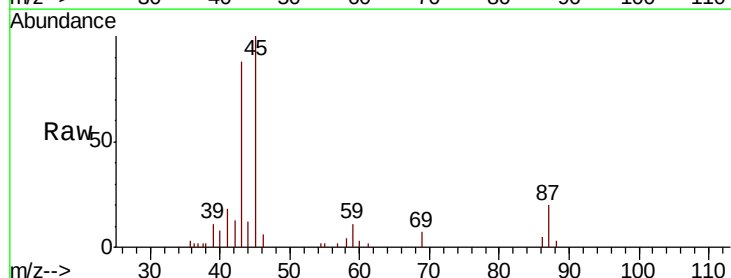
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

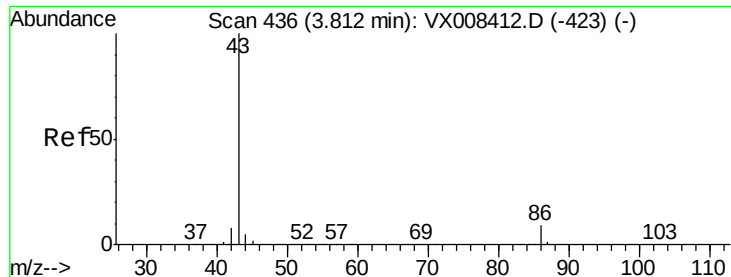
Tot Ion: 73 Resp: 7486
Ion Ratio Lower Upper
73 100
57 23.7 18.6 28.0



#22
Diisopropyl ether
Concen: 0.380 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 45 Resp: 8442
Ion Ratio Lower Upper
45 100
43 83.1 57.1 85.7
87 20.3 18.8 28.2
59 9.3 8.7 13.1





#23

Vinyl Acetate

Concen: 1.765 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

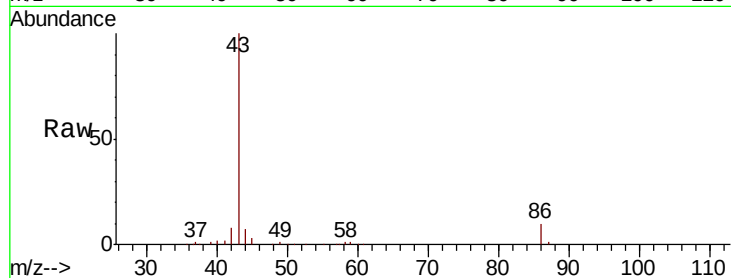
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 34172

Ion Ratio Lower Upper

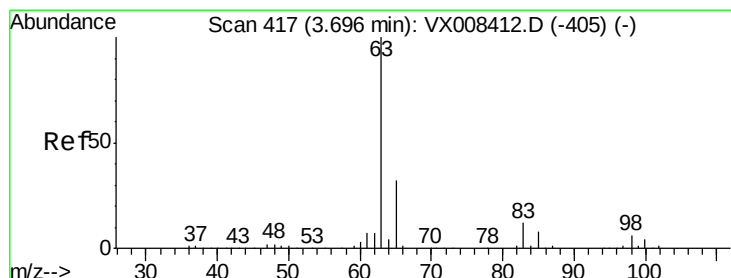
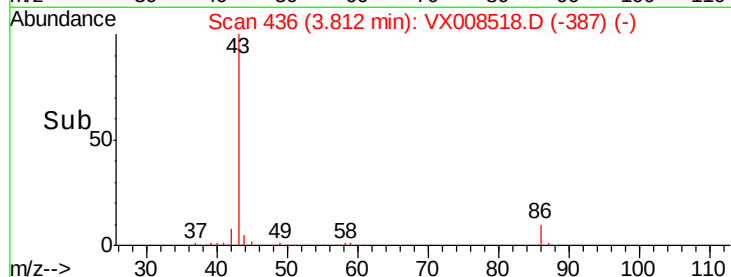
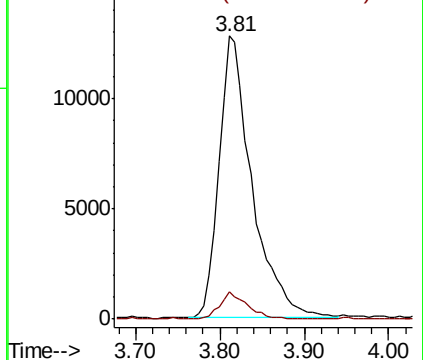
43 100

86 9.9 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.394 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

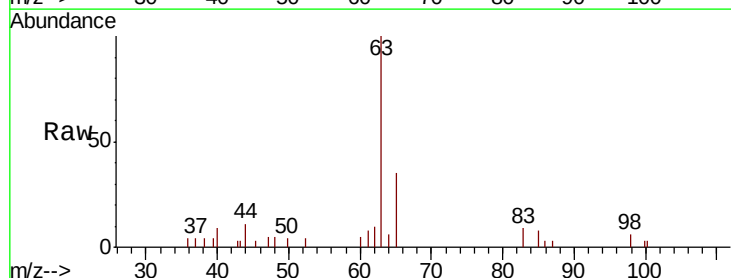
Tgt Ion: 63 Resp: 4409

Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

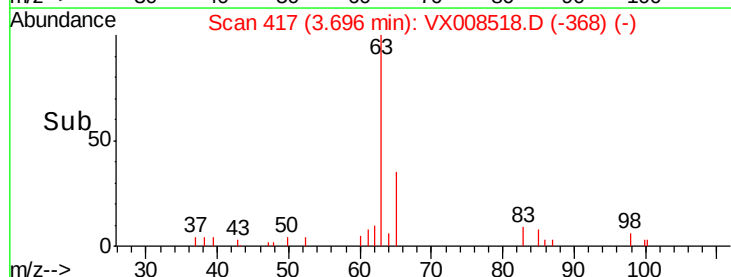
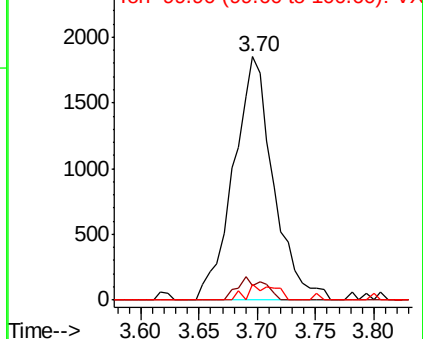
100 6.3 2.0 5.8#

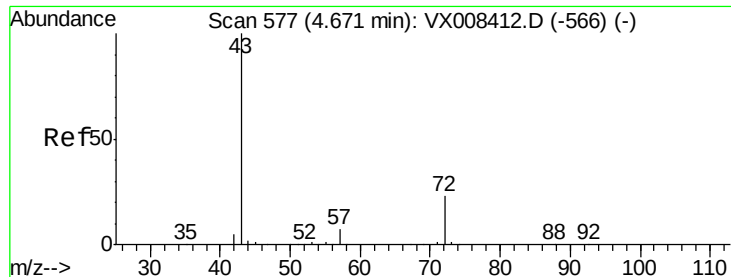


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 2.031 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

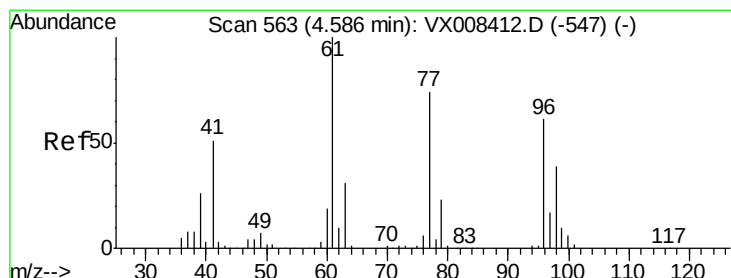
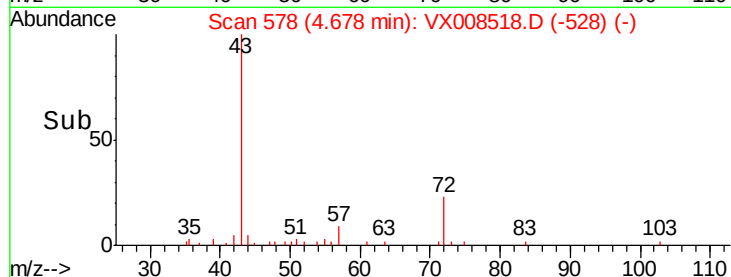
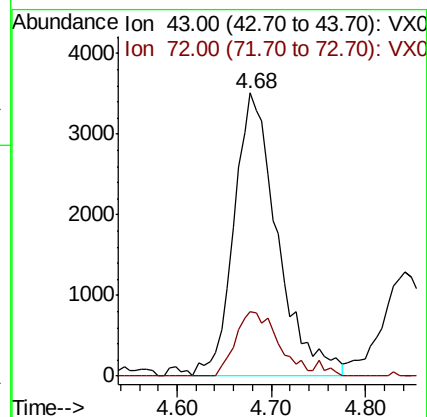
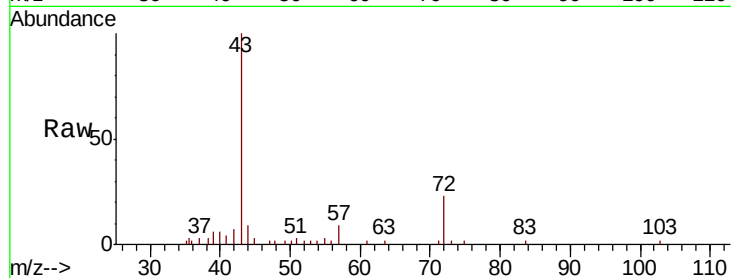
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 11342

Ion Ratio Lower Upper

43 100

72 23.0 18.6 28.0



#26

2,2-Dichloropropane

Concen: 0.387 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008518.D

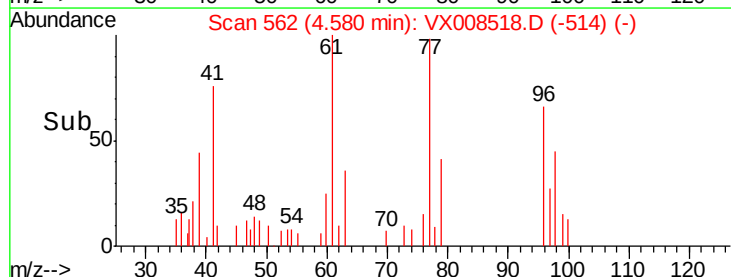
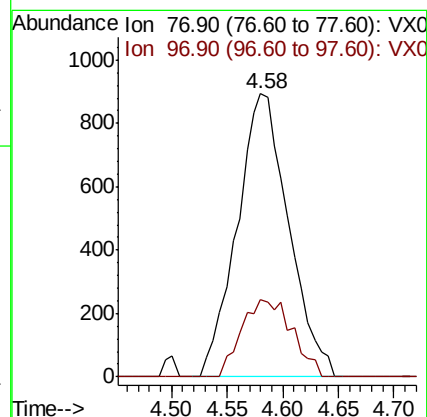
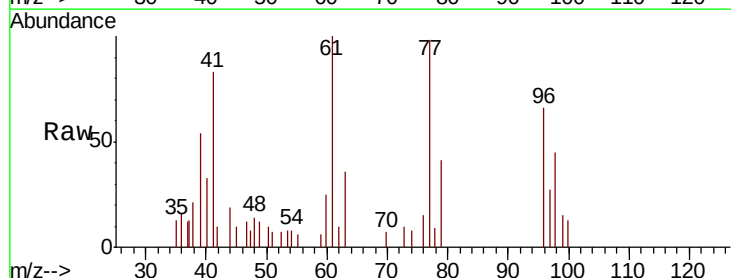
Acq: 28 Mar 2019 14:40

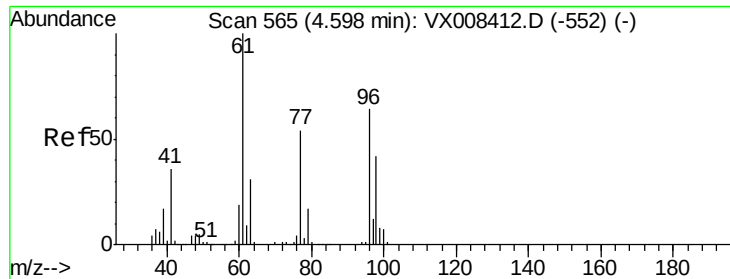
Tgt Ion: 77 Resp: 2881

Ion Ratio Lower Upper

77 100

97 26.7 11.2 33.6



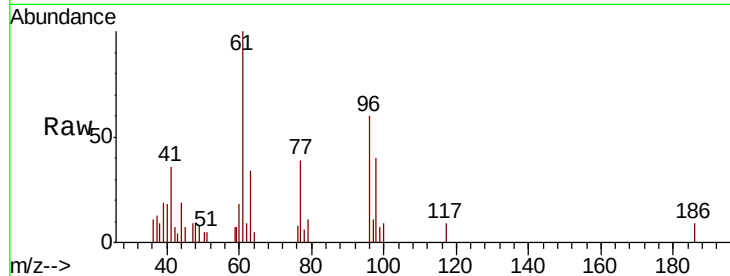


#27

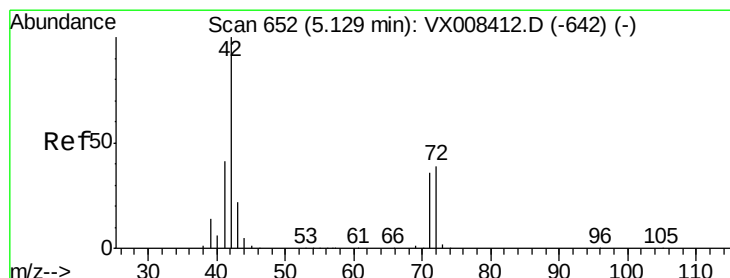
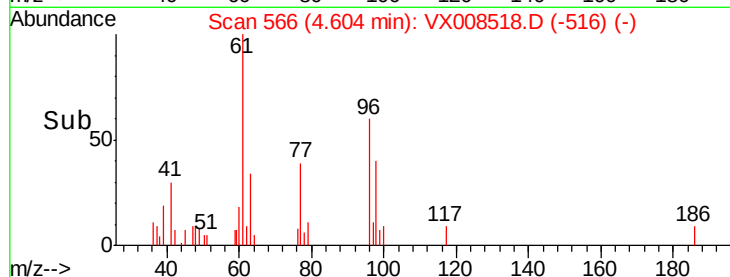
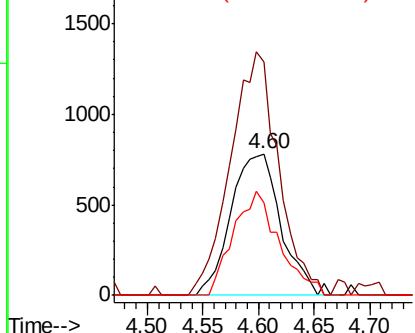
cis-1,2-Dichloroethene
 Concen: 0.392 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion: 96 Resp: 2449
 Ion Ratio Lower Upper
 96 100
 61 164.4 0.0 325.6
 98 67.0 0.0 130.0



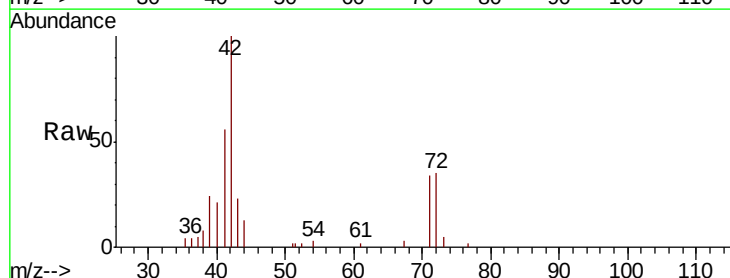
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



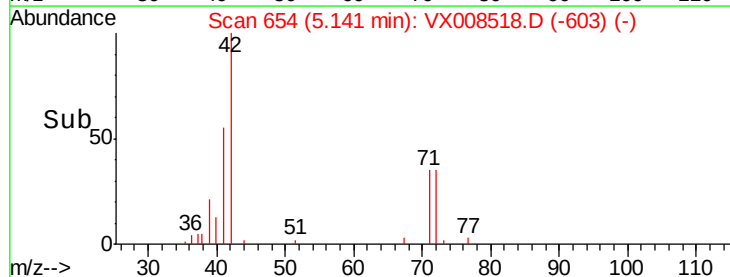
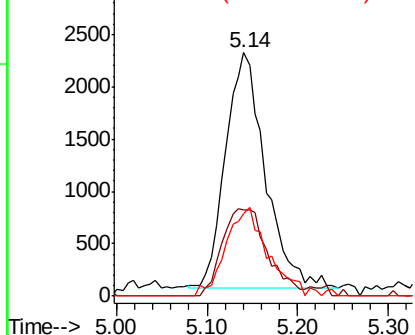
#29

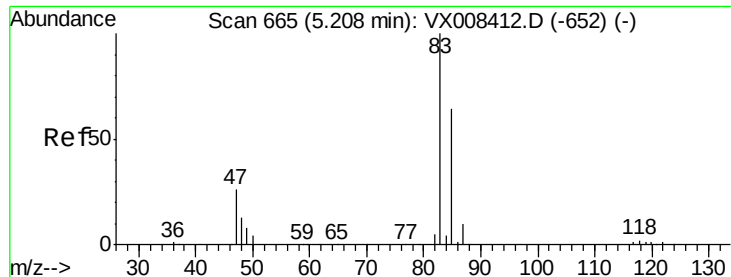
Tetrahydrofuran
 Concen: 1.848 ug/l
 RT: 5.14 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 42 Resp: 6802
 Ion Ratio Lower Upper
 42 100
 72 42.8 31.4 47.2
 71 39.9 29.4 44.2



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

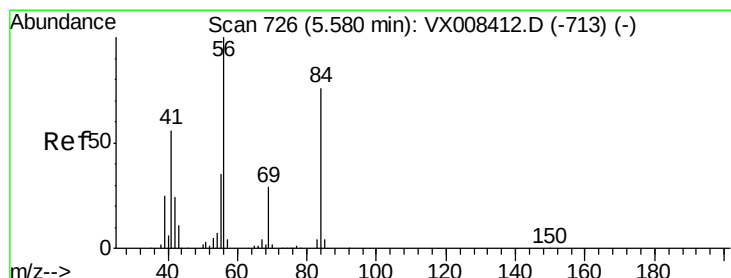
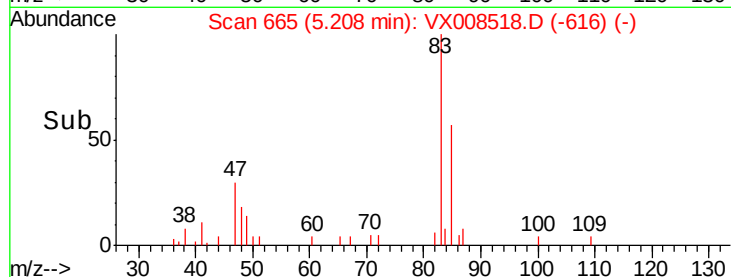
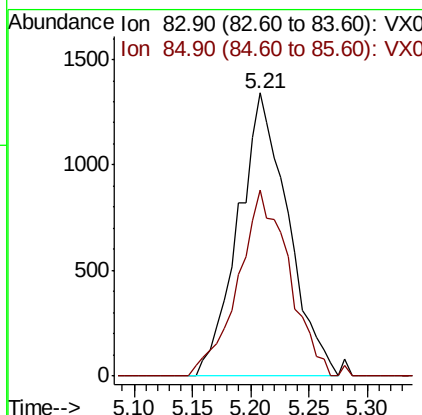
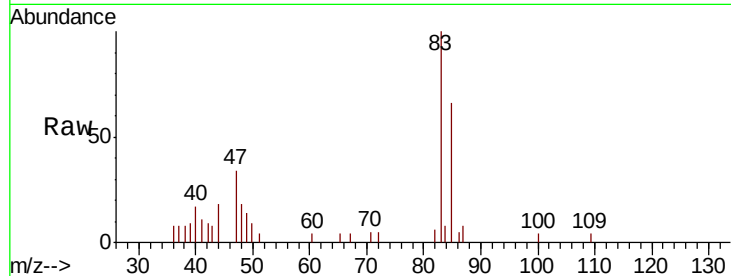




#30
Chloroform
Concen: 0.394 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

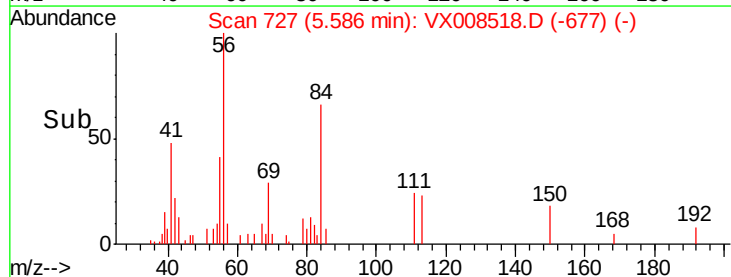
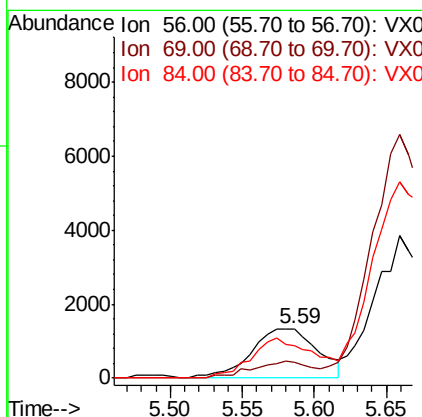
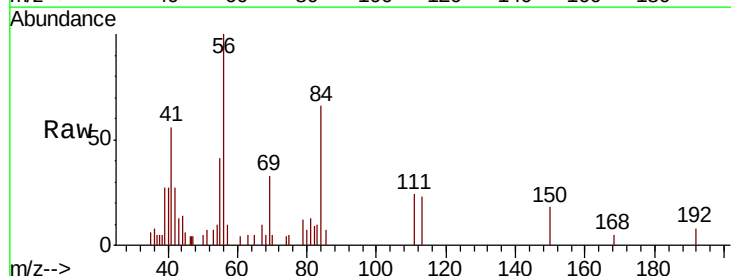
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

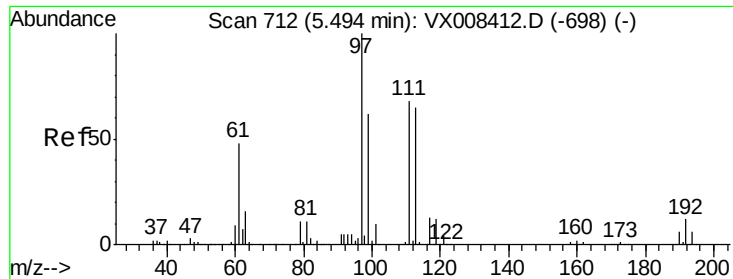
Tot Ion: 83 Resp: 3986
Ion Ratio Lower Upper
83 100
85 65.6 51.4 77.2



#31
Cyclohexane
Concen: 0.398 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 56 Resp: 4251
Ion Ratio Lower Upper
56 100
69 32.6 23.2 34.8
84 66.0 60.7 91.1





#32

1,1,1-Trichloroethane

Concen: 0.399 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

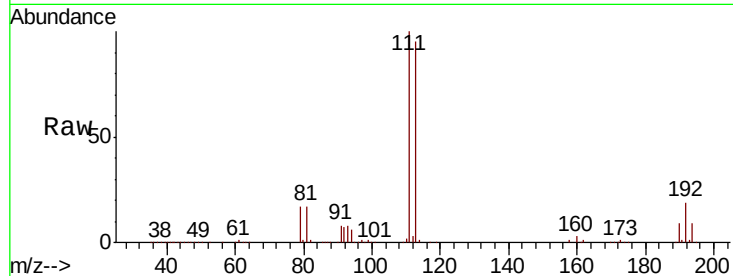
Tot Ion: 97 Resp: 3222

Ion Ratio Lower Upper

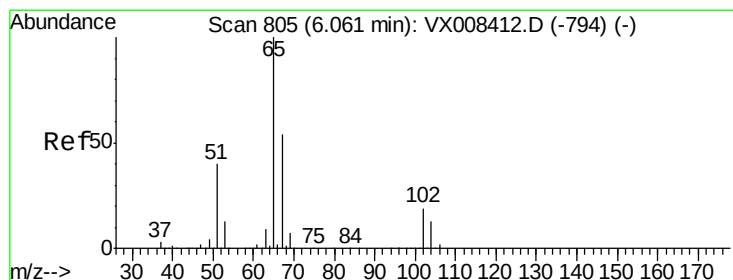
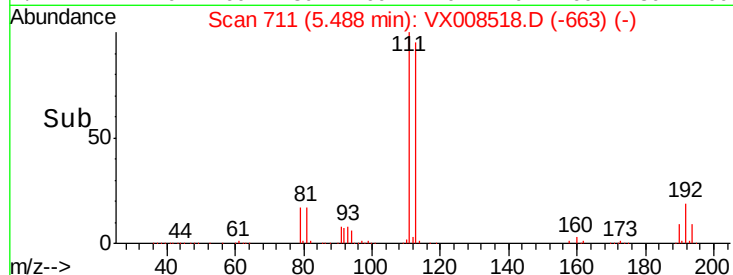
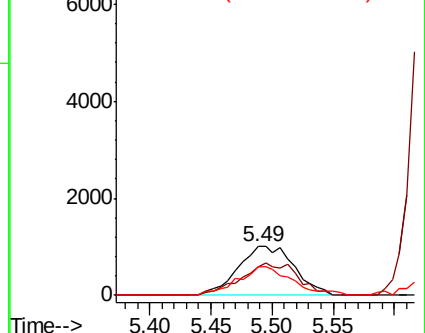
97 100

99 0.0 51.5 77.3#

61 56.5 38.8 58.2



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



#33

1,2-Dichloroethane-d4

Concen: 49.293 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008518.D

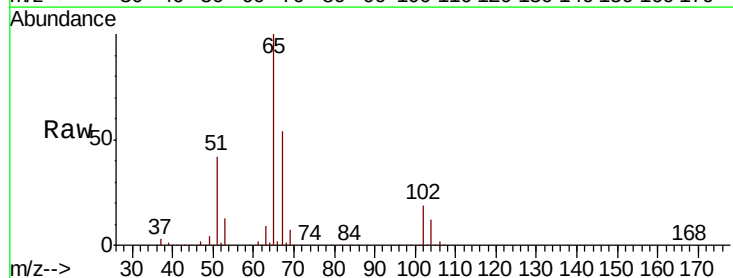
Acq: 28 Mar 2019 14:40

Tgt Ion: 65 Resp: 328535

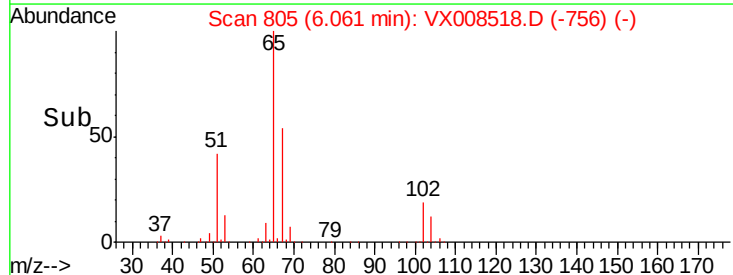
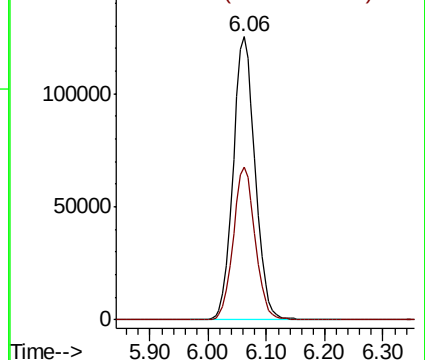
Ion Ratio Lower Upper

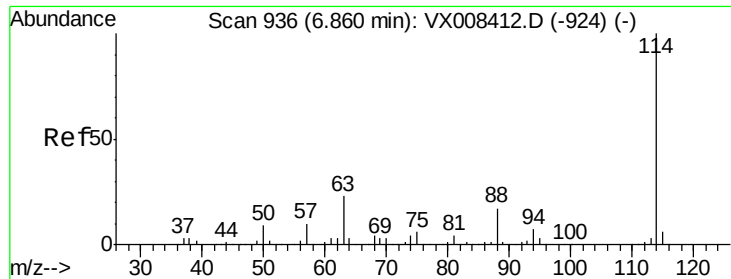
65 100

67 53.6 0.0 109.4



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

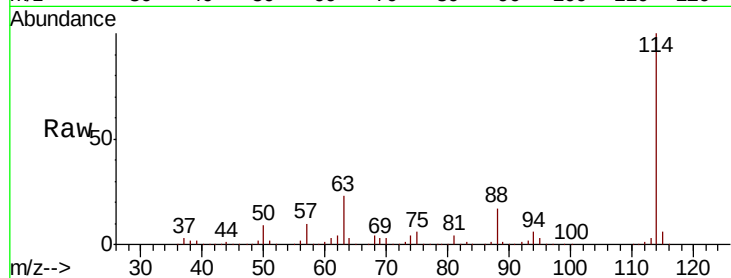




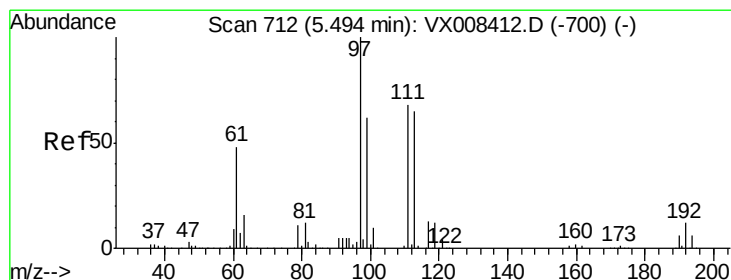
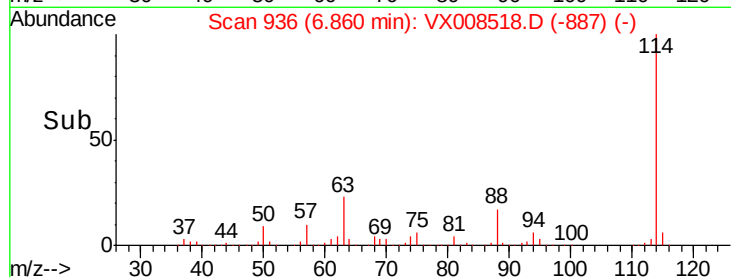
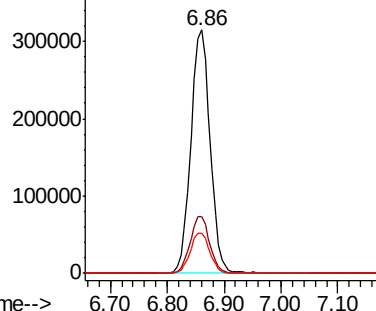
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:114 Resp: 741964
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.4
88 16.6 0.0 33.2

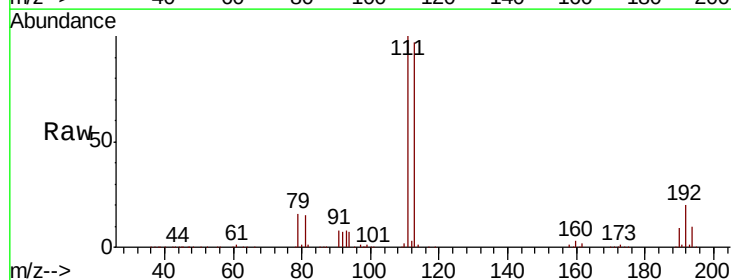


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

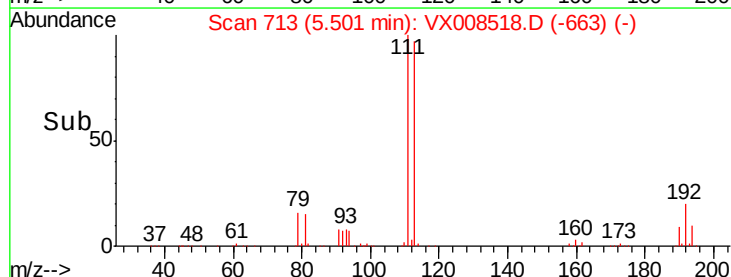
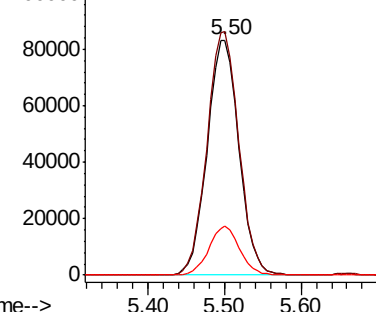


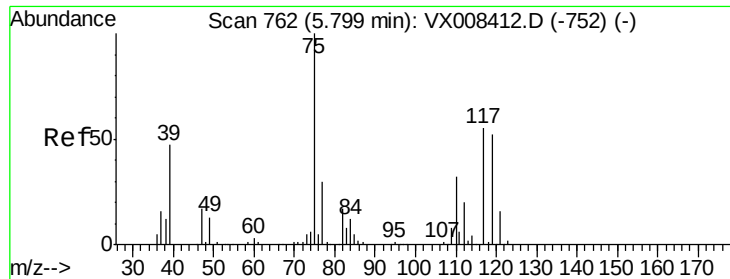
#35
Dibromofluoromethane
Concen: 49.554 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion:113 Resp: 239741
Ion Ratio Lower Upper
113 100
111 103.8 83.0 124.4
192 20.1 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

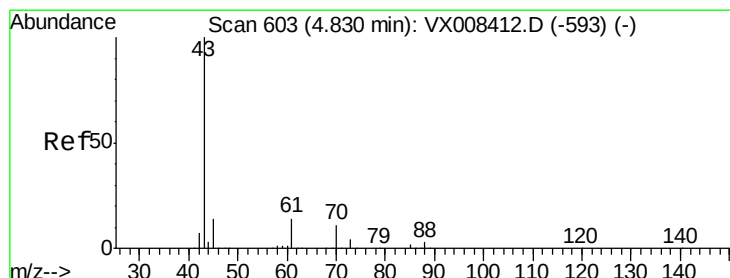
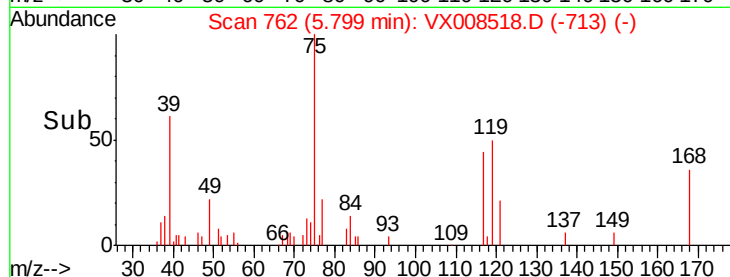
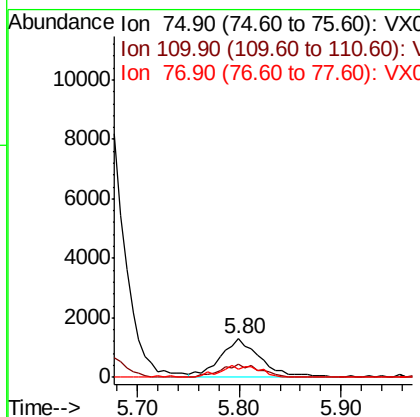
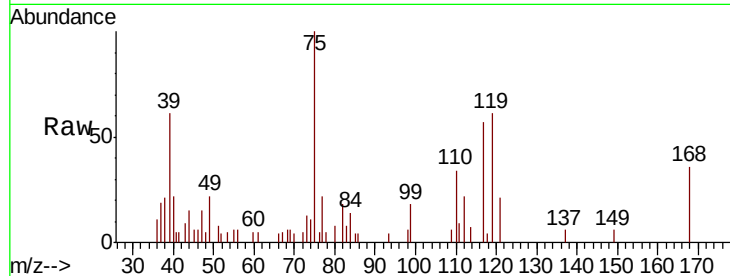




#36
 1,1-Dichloropropene
 Concen: 0.449 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

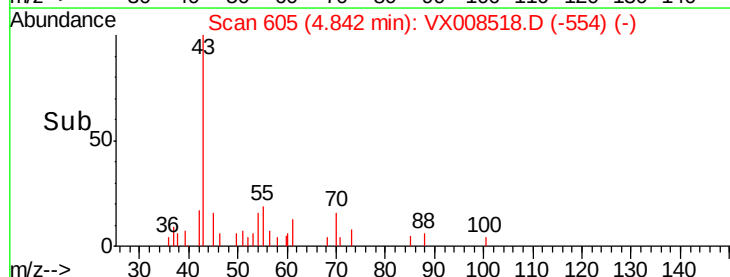
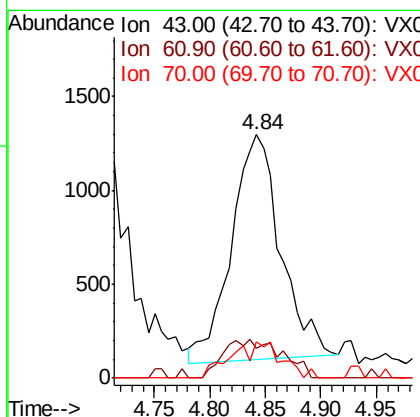
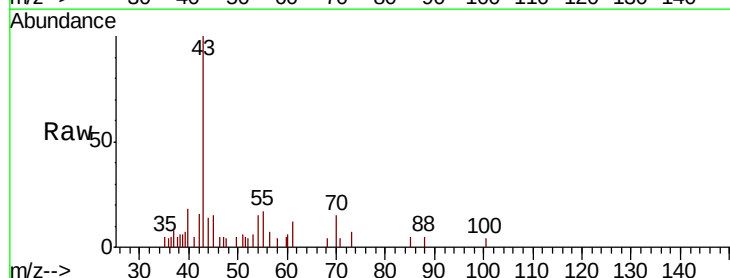
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

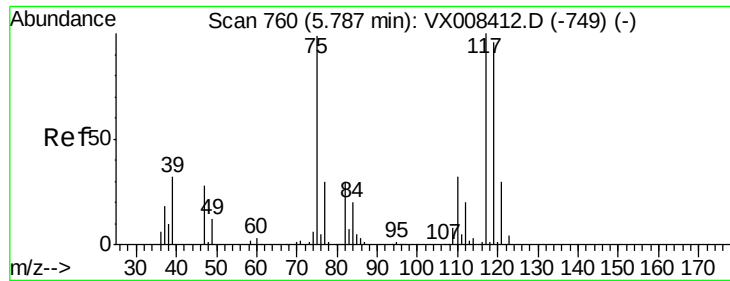
Tot Ion: 75 Resp: 3553
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.6 49.7
 77 15.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 0.360 ug/l
 RT: 4.84 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 43 Resp: 3686
 Ion Ratio Lower Upper
 43 100
 61 20.5 10.5 15.7#
 70 9.2 7.8 11.8

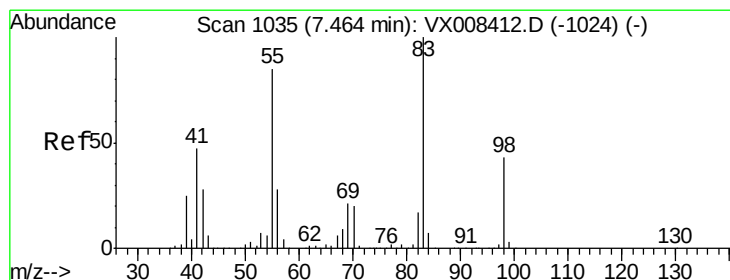
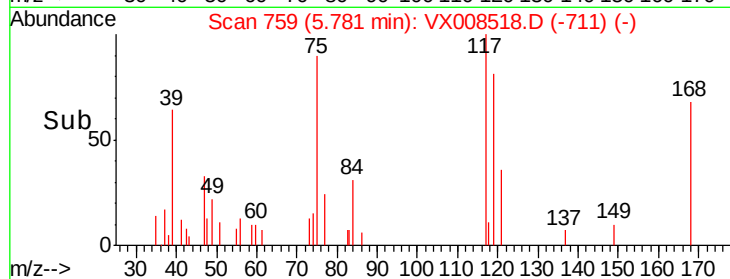
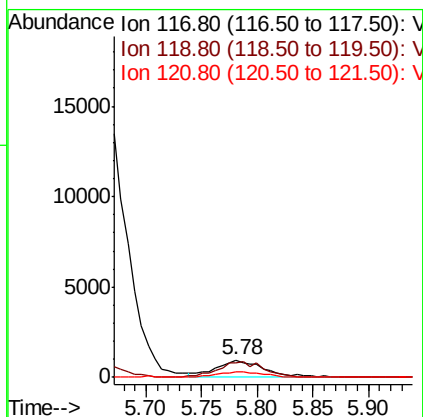
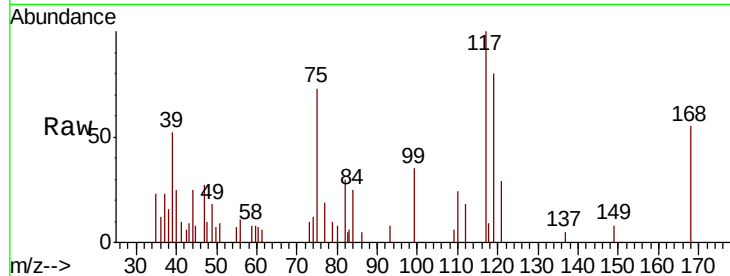




#38
Carbon Tetrachloride
Concen: 0.431 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

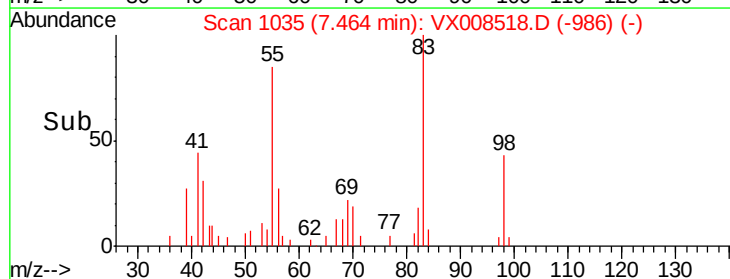
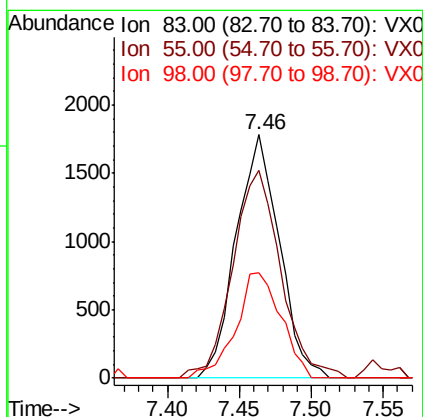
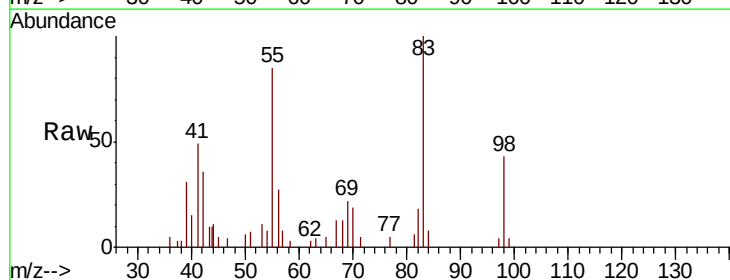
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

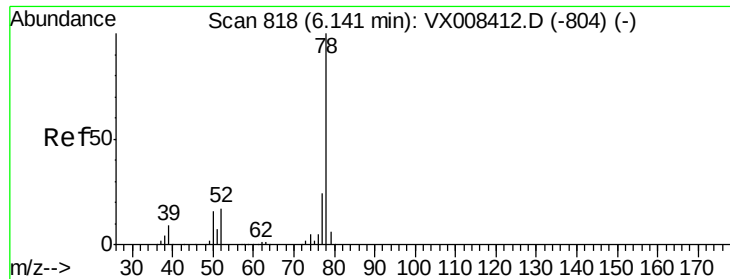
Tot Ion:117 Resp: 2848
Ion Ratio Lower Upper
117 100
119 80.1 76.7 115.1
121 29.4 24.3 36.5



#39
Methylcyclohexane
Concen: 0.392 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 83 Resp: 3707
Ion Ratio Lower Upper
83 100
55 82.2 68.2 102.4
98 43.0 34.2 51.4





#40

Benzene

Concen: 0.408 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

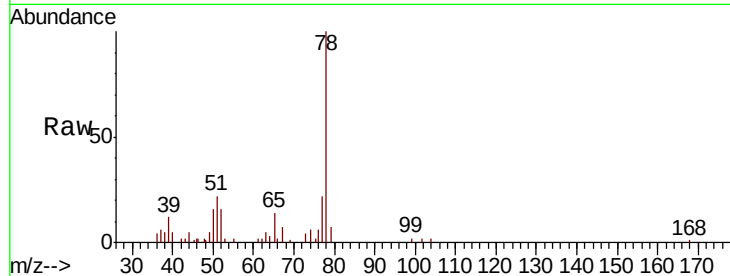
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 78 Resp: 9667

Ion Ratio Lower Upper

78 100

77 22.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

4000

3000

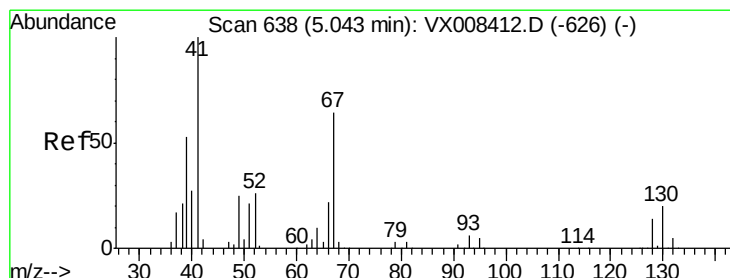
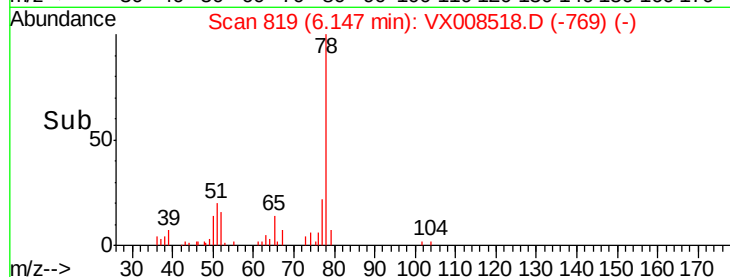
2000

1000

0

Time-->

6.05 6.10 6.15 6.20 6.25



#41

Methacrylonitrile

Concen: 0.413 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion: 41 Resp: 2380

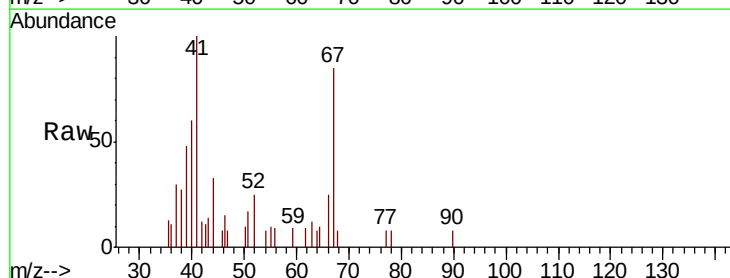
Ion Ratio Lower Upper

41 100

39 51.3 42.6 64.0

67 71.6 52.2 78.4

52 34.0 21.4 32.0#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1500

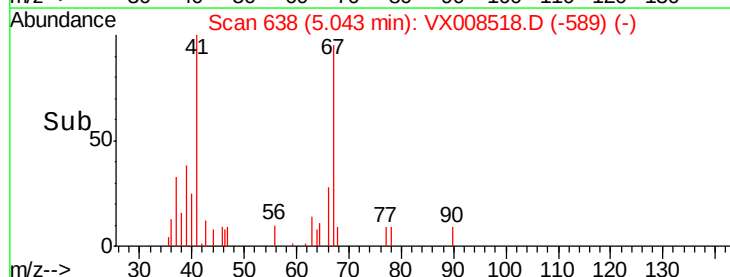
1000

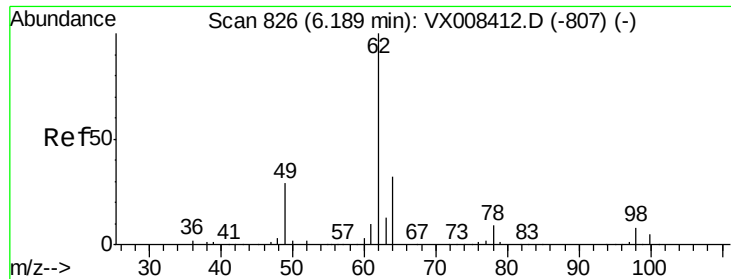
500

0

Time-->

4.95 5.00 5.05 5.10

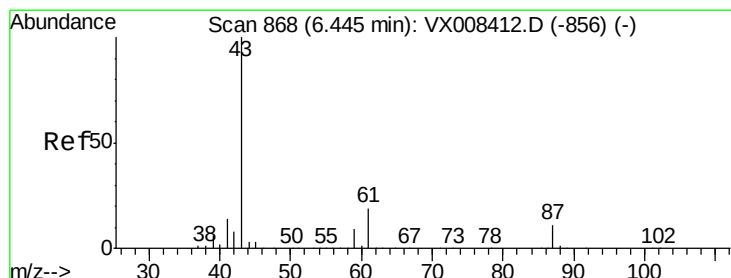
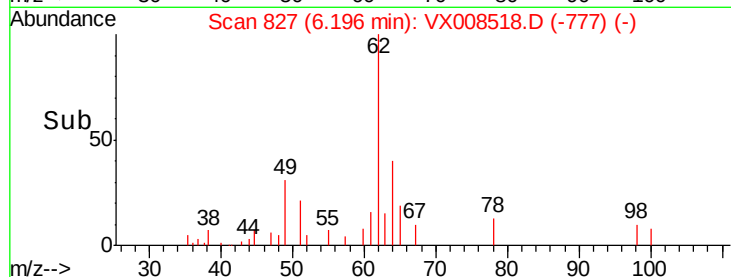
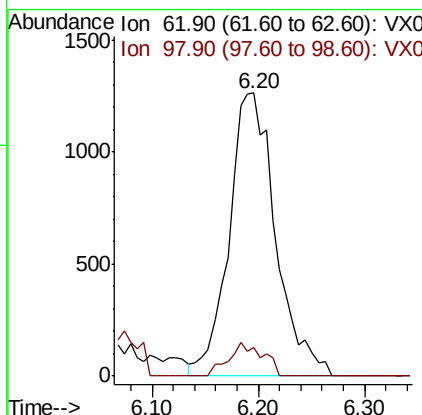
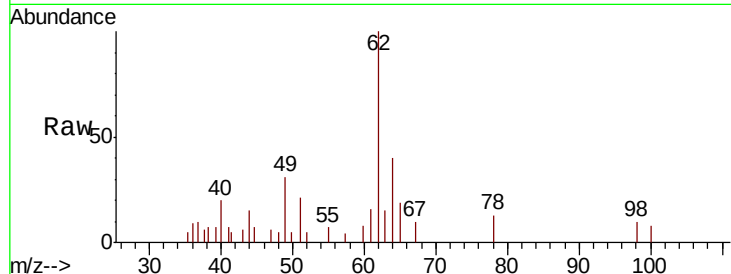




#42
 1,2-Dichloroethane
 Concen: 0.445 ug/l
 RT: 6.20 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

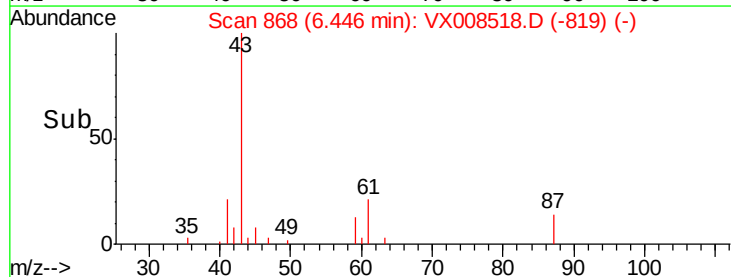
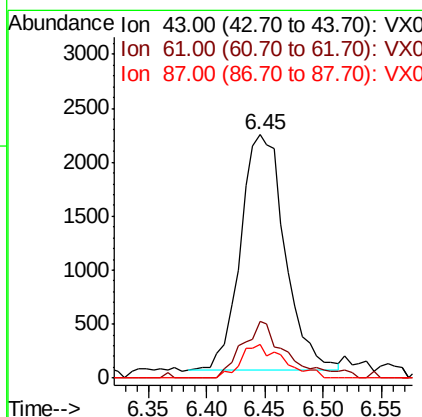
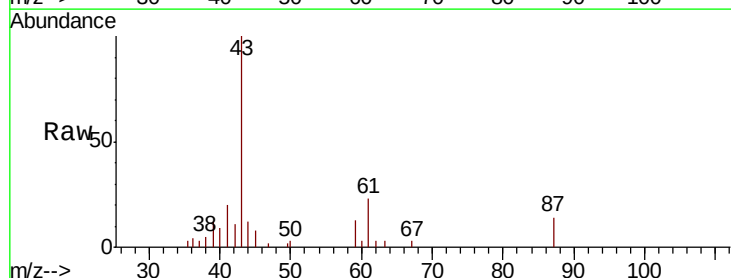
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

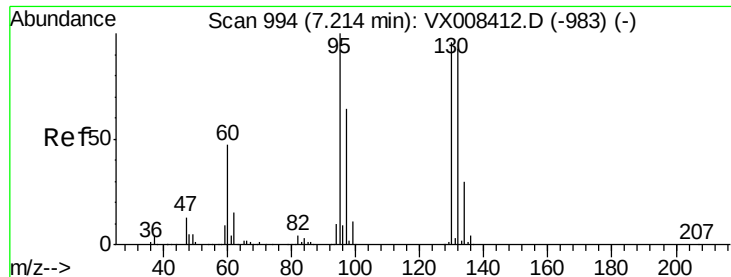
Tot Ion: 62 Resp: 3862
 Ion Ratio Lower Upper
 62 100
 98 8.8 0.0 17.6



#43
 Isopropyl Acetate
 Concen: 0.352 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 43 Resp: 5774
 Ion Ratio Lower Upper
 43 100
 61 23.1 15.4 23.2
 87 13.9 9.1 13.7#





#44

Trichloroethene

Concen: 0.388 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

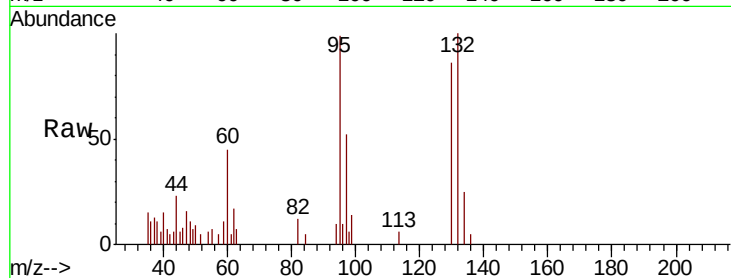
LOD-MDL-WATER-01-QT1-2019

Tot Ion:130 Resp: 2155

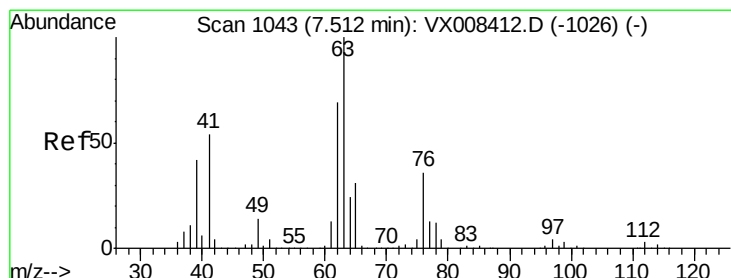
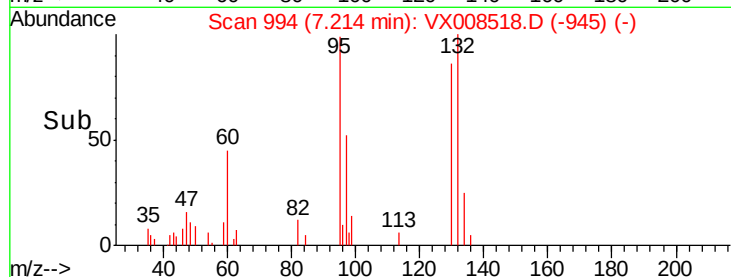
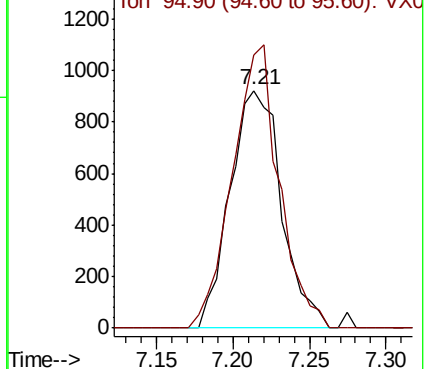
Ion Ratio Lower Upper

130 100

95 115.1 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V



#45

1,2-Dichloropropane

Concen: 0.450 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008518.D

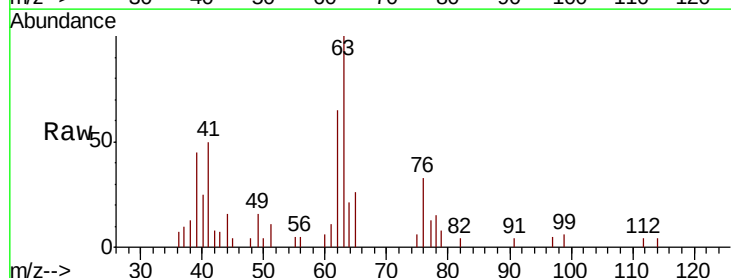
Acq: 28 Mar 2019 14:40

Tgt Ion: 63 Resp: 3026

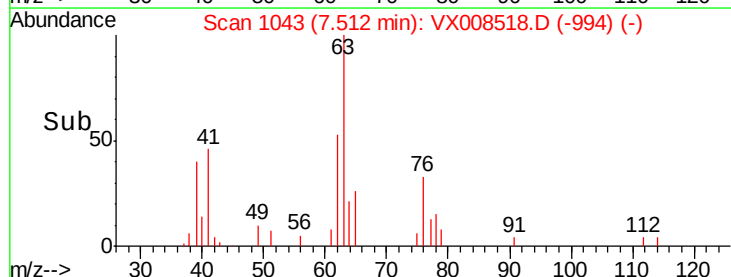
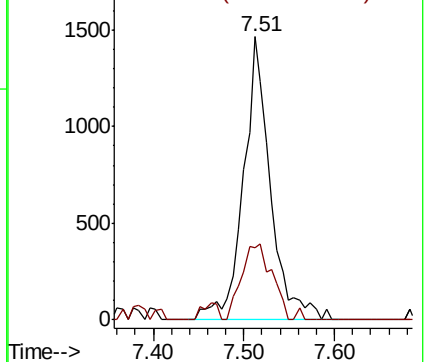
Ion Ratio Lower Upper

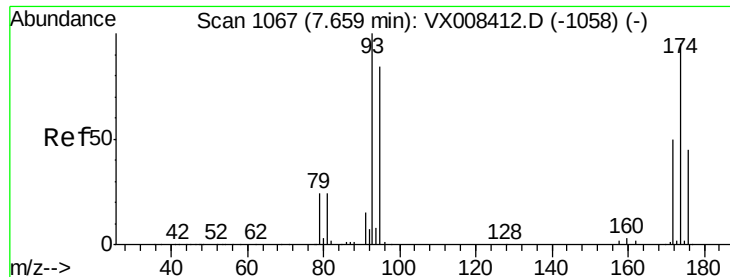
63 100

65 25.5 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0





#46

Dibromomethane

Concen: 0.406 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

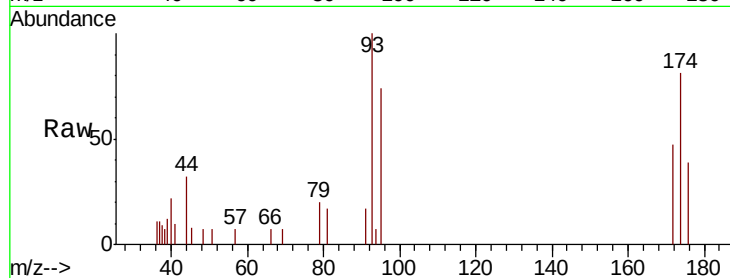
Tot Ion: 93 Resp: 1597

Ion Ratio Lower Upper

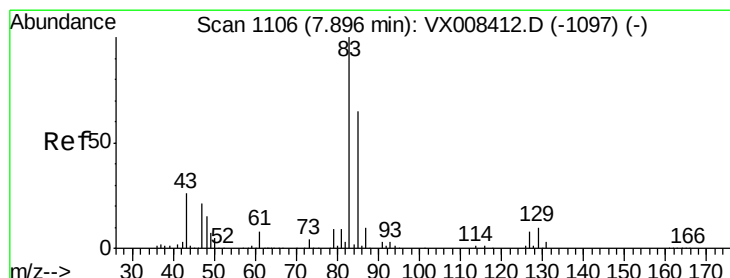
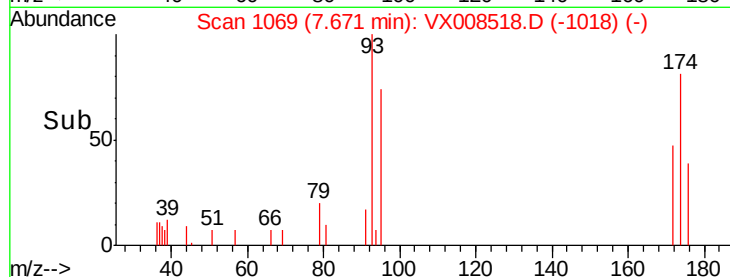
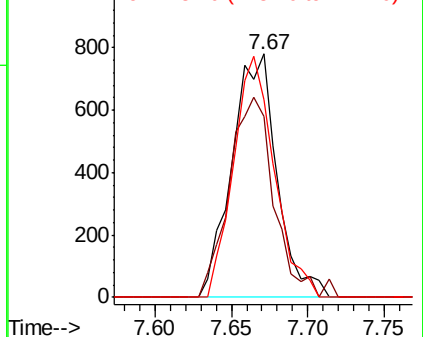
93 100

95 82.4 67.0 100.6

174 89.8 76.0 114.0



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: 0.374 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

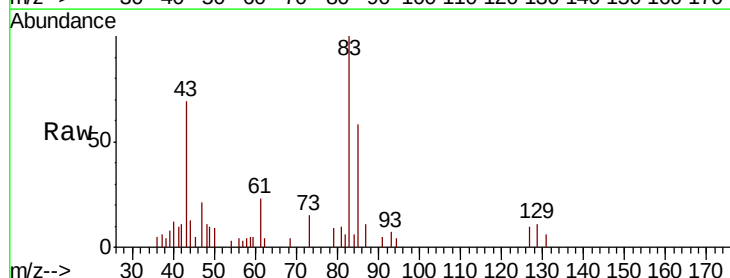
Tgt Ion: 83 Resp: 2816

Ion Ratio Lower Upper

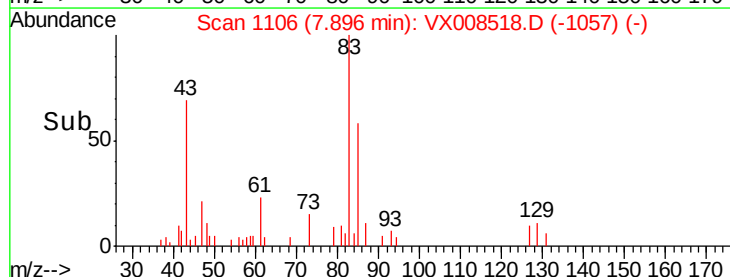
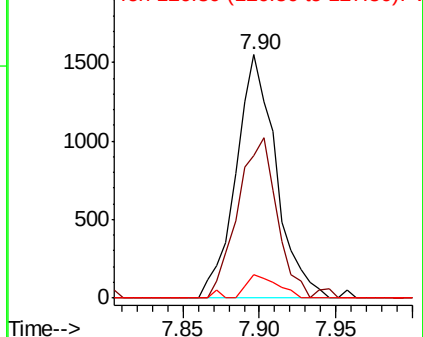
83 100

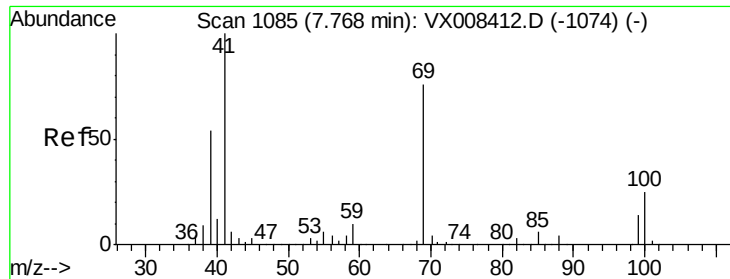
85 58.3 52.0 78.0

127 9.7 6.4 9.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

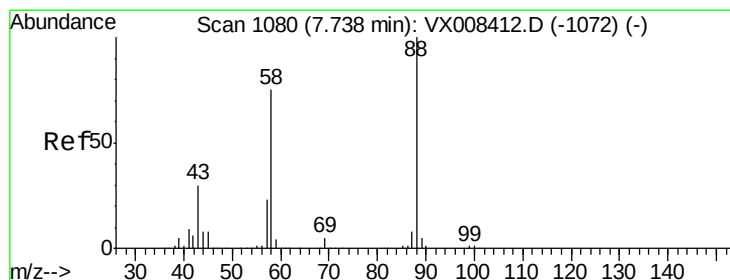
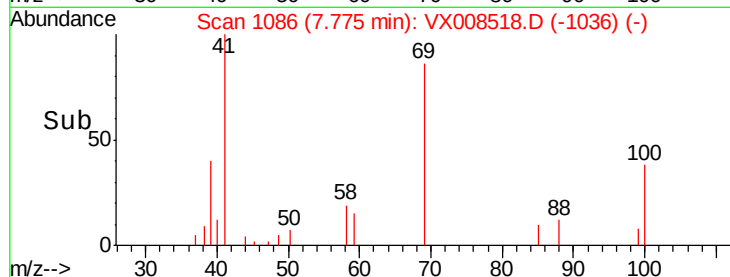
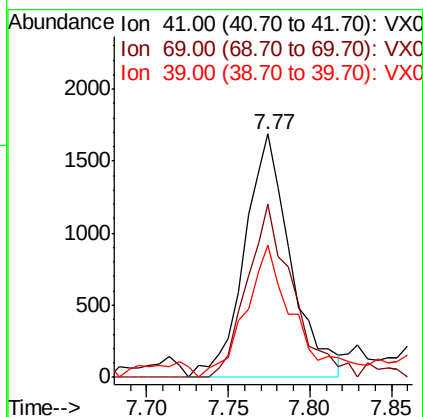
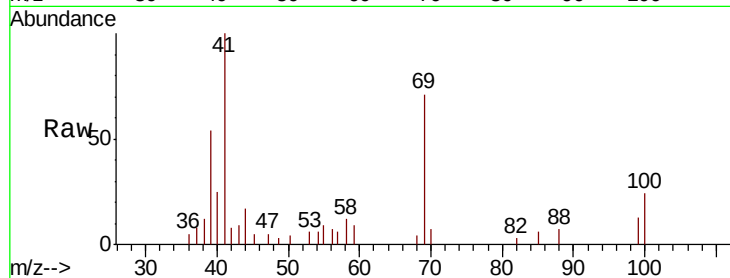




#48
Methvl methacrylate
Concen: 0.405 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

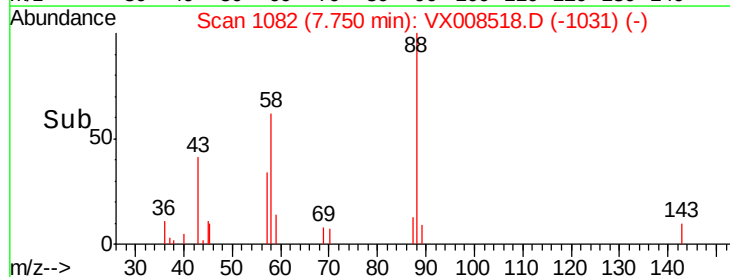
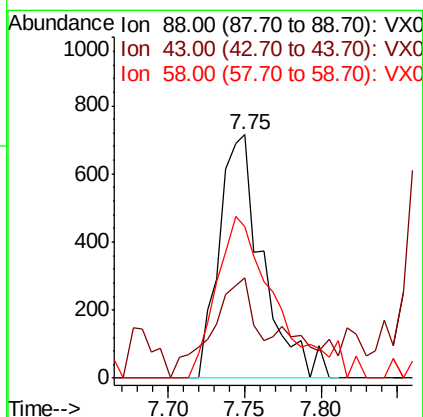
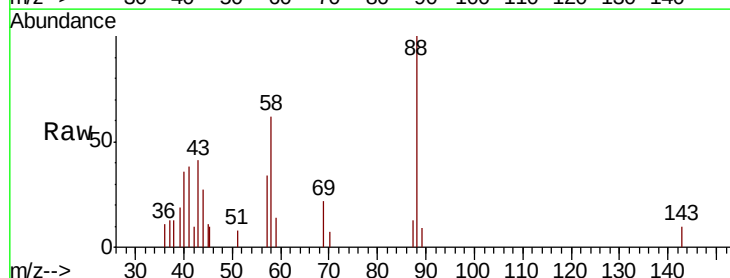
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

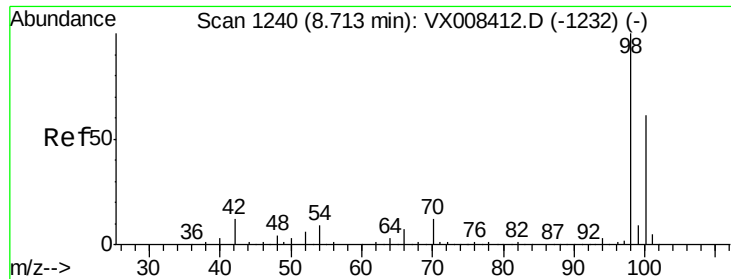
Tot Ion: 41 Resp: 3320
Ion Ratio Lower Upper
41 100
69 70.3 60.8 91.2
39 57.5 42.3 63.5



#49
1,4-Dioxane
Concen: 8.627 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 88 Resp: 1407
Ion Ratio Lower Upper
88 100
43 40.9 28.6 43.0
58 92.0 63.0 94.4

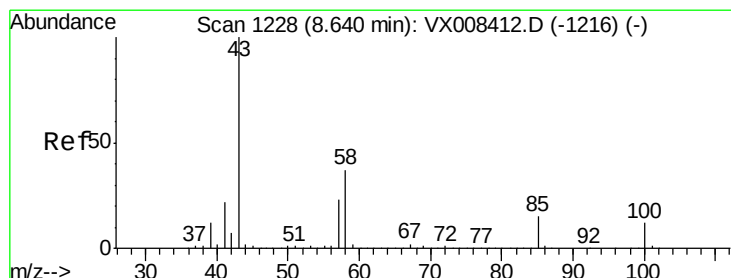
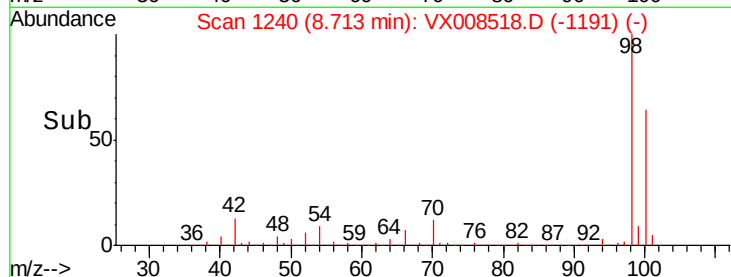
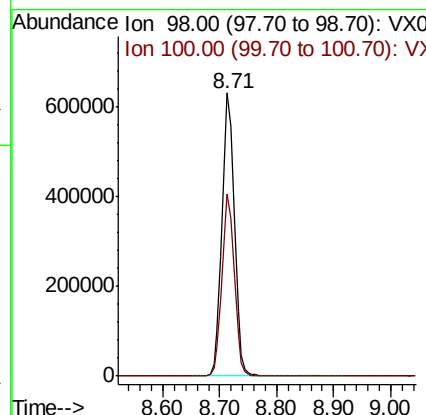
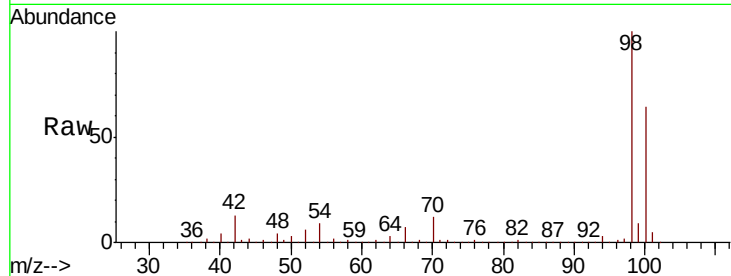




#50
Toluene-d8
Concen: 50.151 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

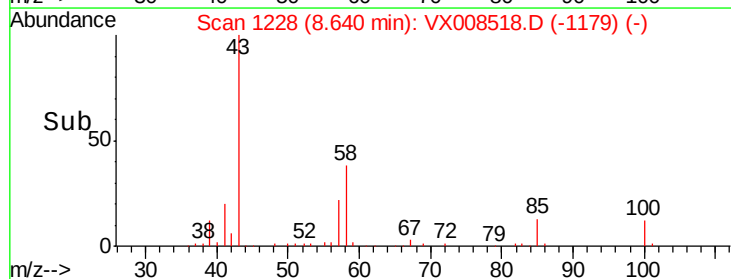
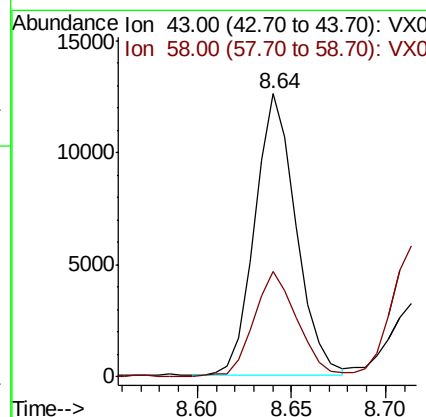
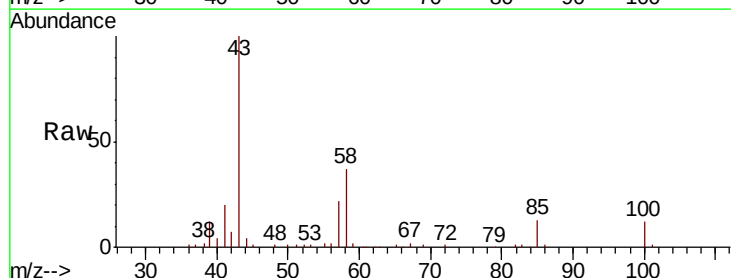
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

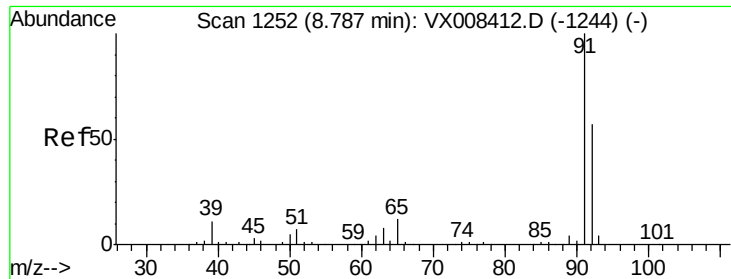
Tot Ion: 98 Resp: 970166
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 1.785 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 43 Resp: 19010
Ion Ratio Lower Upper
43 100
58 39.7 29.8 44.8





#52

Toluene

Concen: 0.416 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

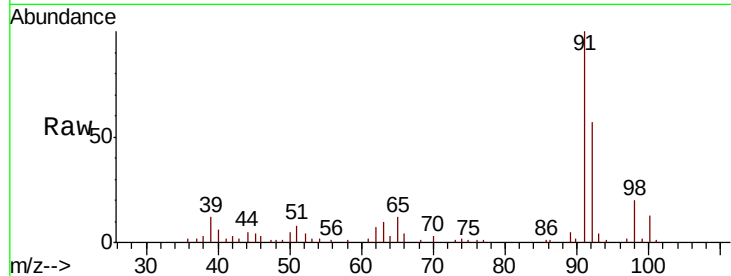
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 92 Resp: 5893

Ion Ratio Lower Upper

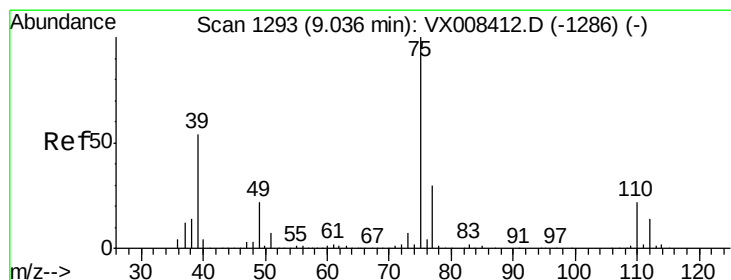
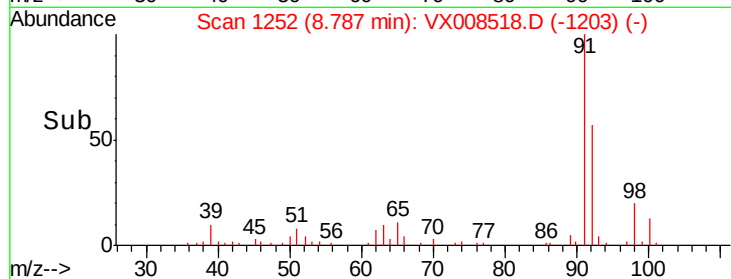
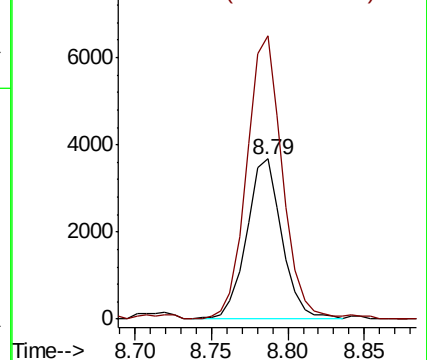
92 100

91 179.0 140.2 210.4



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: 0.321 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008518.D

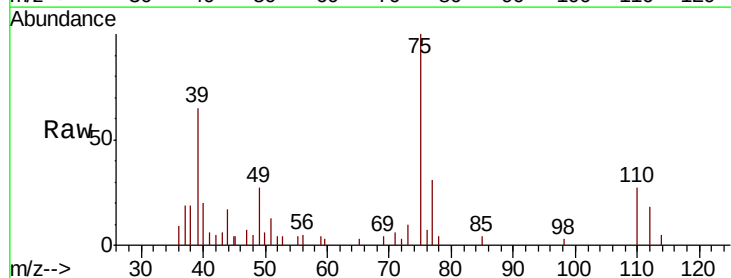
Acq: 28 Mar 2019 14:40

Tgt Ion: 75 Resp: 2642

Ion Ratio Lower Upper

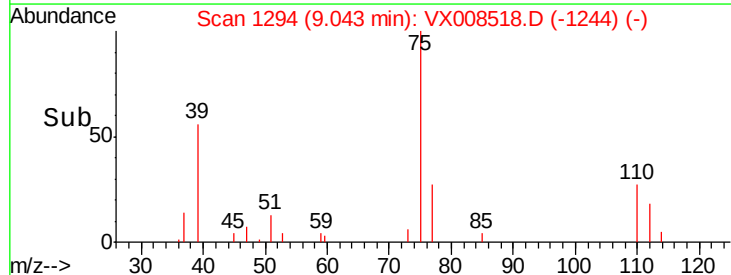
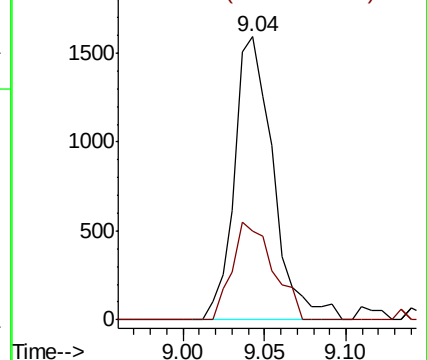
75 100

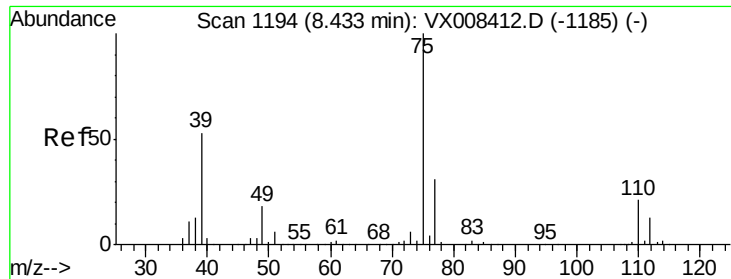
77 31.4 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



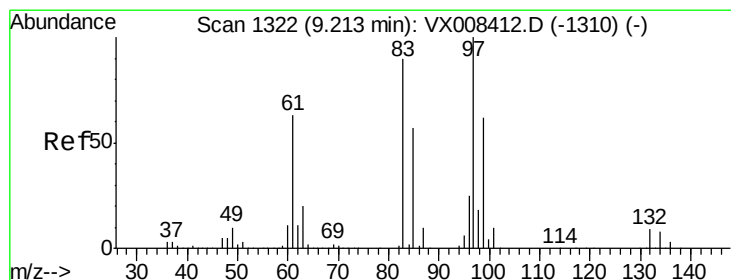
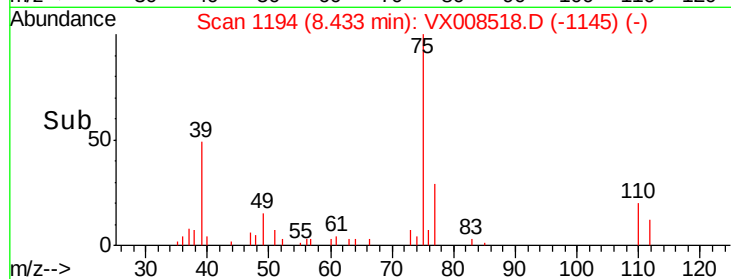
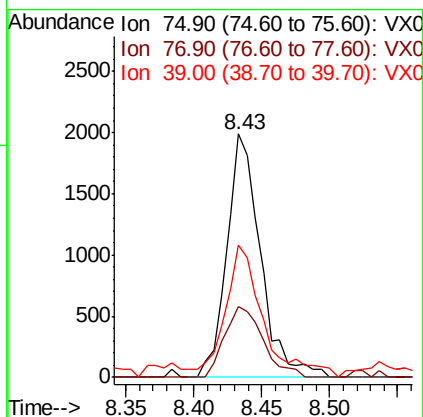
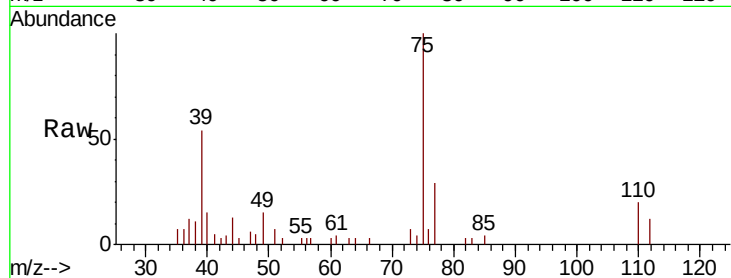


#54

cis-1,3-Dichloropropene
 Concen: 0.365 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

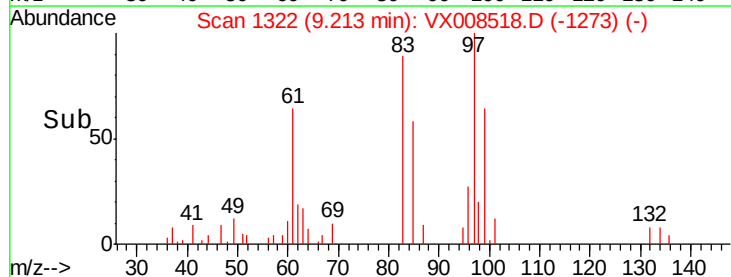
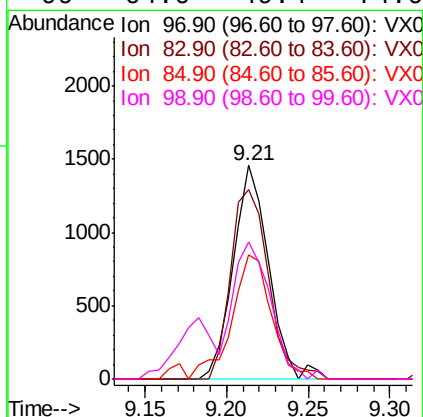
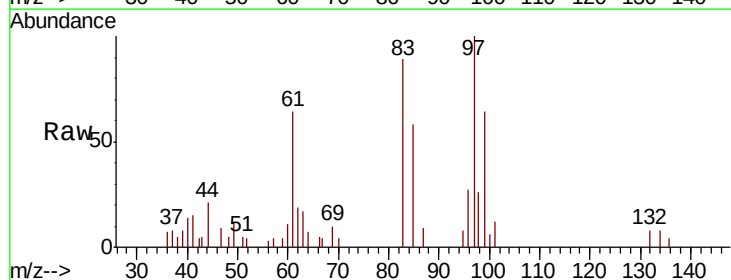
Tot Ion: 75 Resp: 3424
 Ion Ratio Lower Upper
 75 100
 77 29.2 24.7 37.1
 39 54.2 42.4 63.6

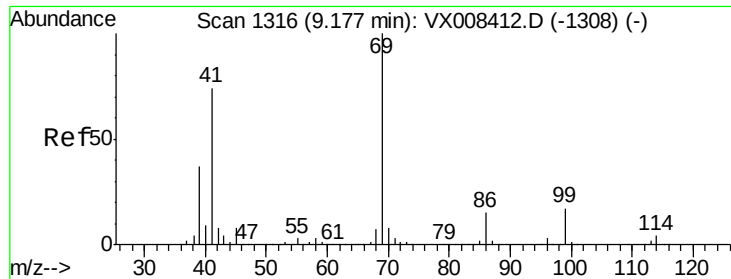


#55

1,1,2-Trichloroethane
 Concen: 0.385 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 97 Resp: 2217
 Ion Ratio Lower Upper
 97 100
 83 88.8 71.8 107.6
 85 58.2 45.9 68.9
 99 64.0 49.4 74.0





#56

Ethyl methacrylate

Concen: 0.354 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

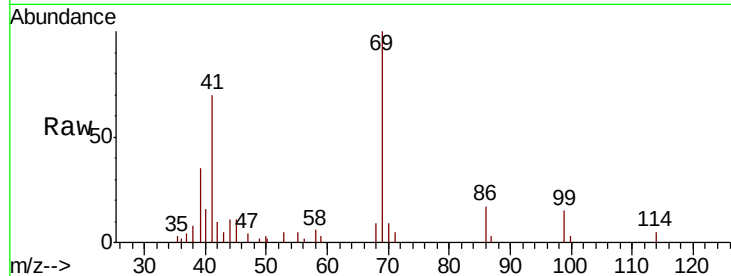
Tot Ion: 69 Resp: 3686

Ion Ratio Lower Upper

69 100

41 83.2 59.5 89.3

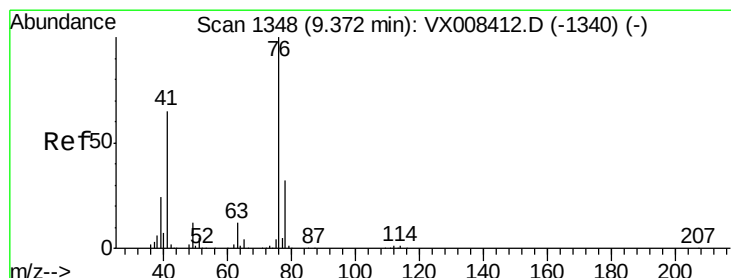
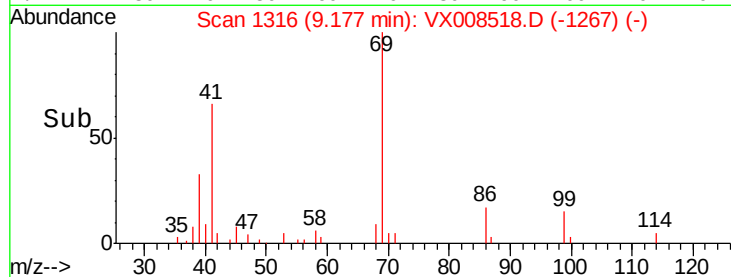
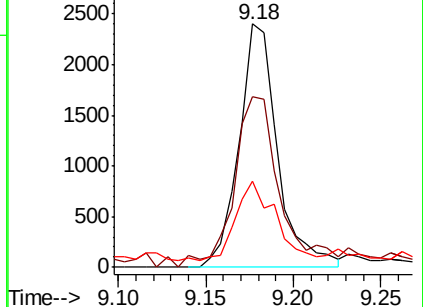
39 32.9 29.3 43.9



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 0.379 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008518.D

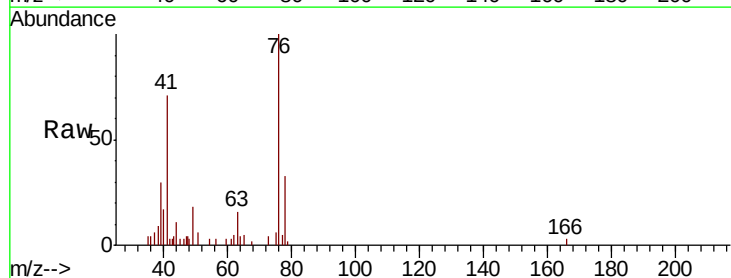
Acq: 28 Mar 2019 14:40

Tgt Ion: 76 Resp: 3915

Ion Ratio Lower Upper

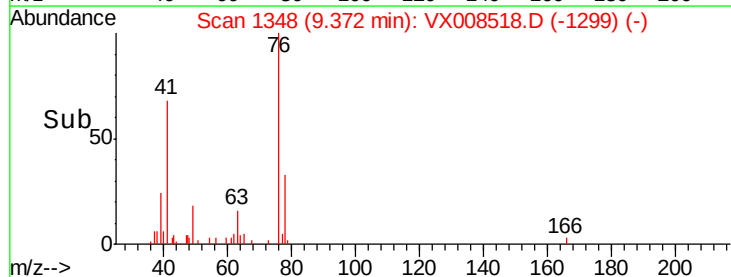
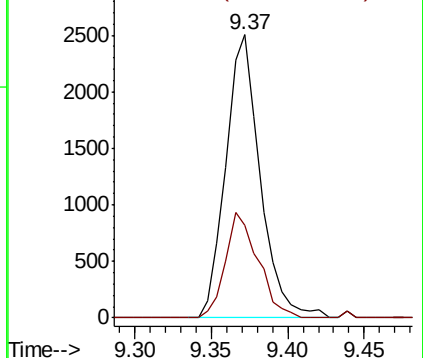
76 100

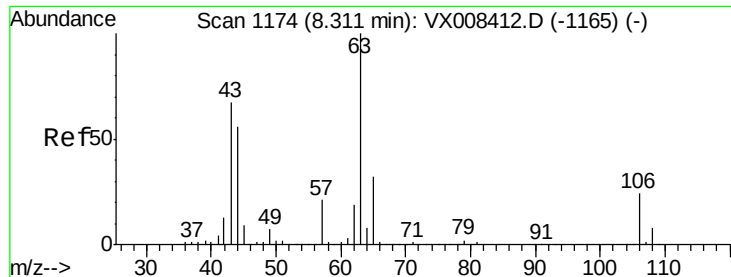
78 35.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

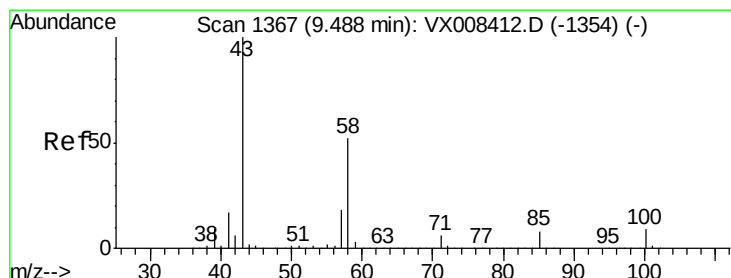
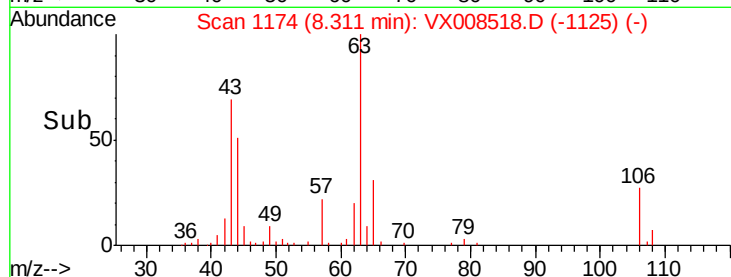
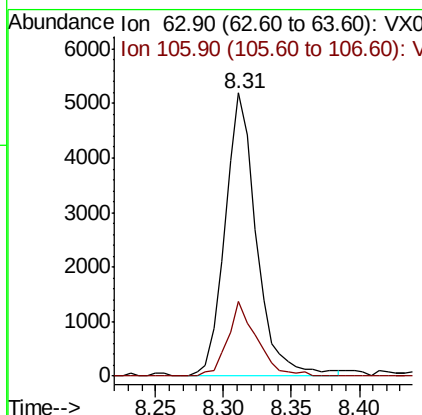
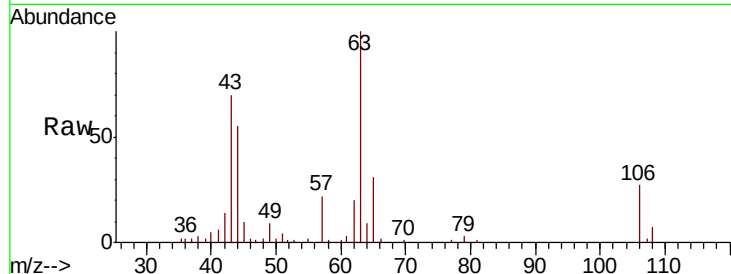




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.557 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

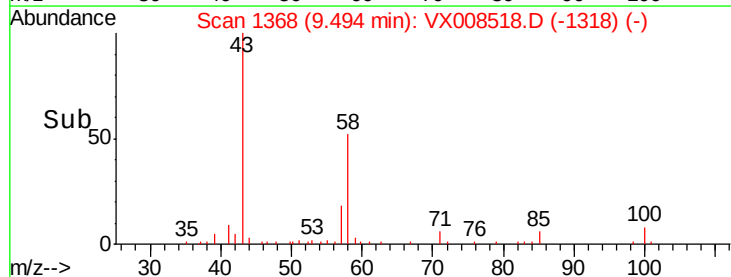
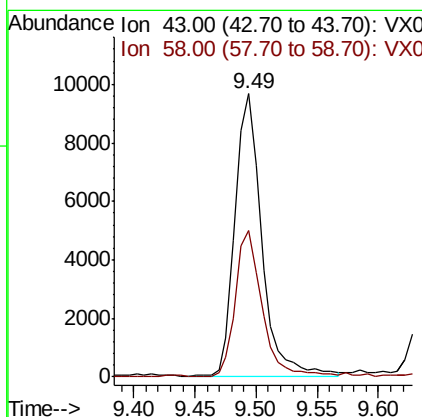
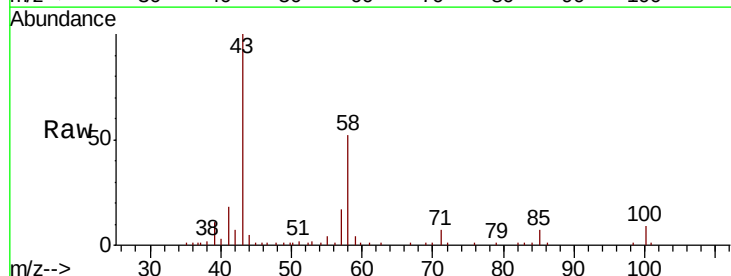
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

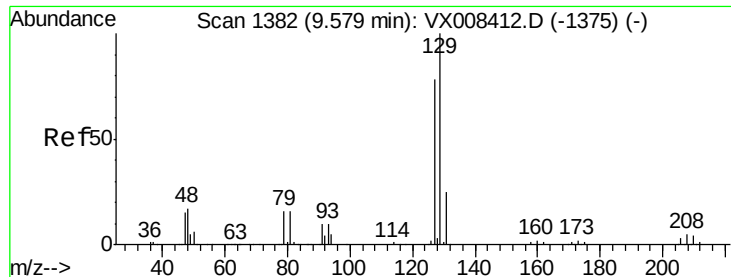
Tot Ion: 63 Resp: 8373
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.0 28.6



#59
 2-Hexanone
 Concen: 1.796 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 43 Resp: 14817
 Ion Ratio Lower Upper
 43 100
 58 51.1 26.3 78.9





#60

Dibromochloromethane

Concen: 0.323 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

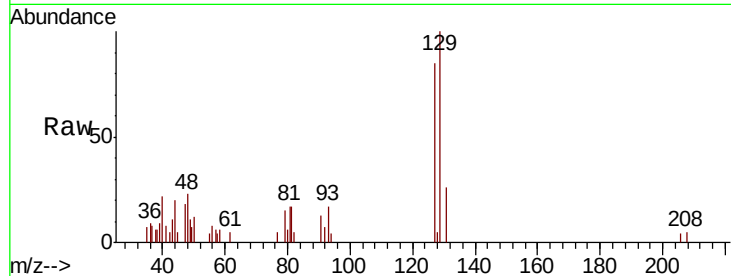
LOD-MDL-WATER-01-QT1-2019

Tot Ion:129 Resp: 1770

Ion Ratio Lower Upper

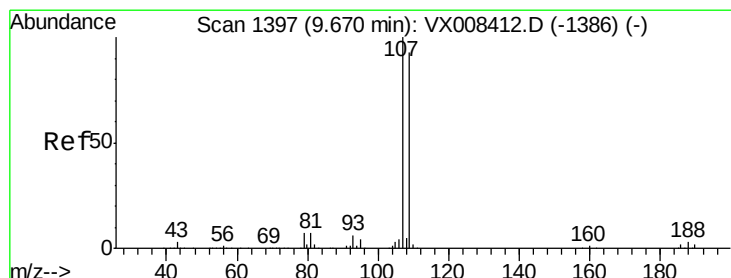
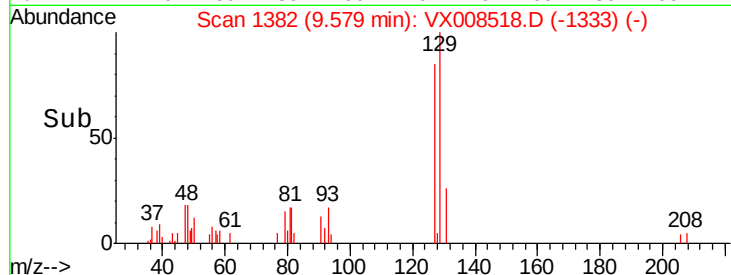
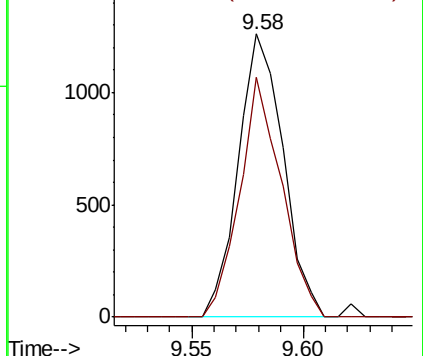
129 100

127 78.8 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.374 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008518.D

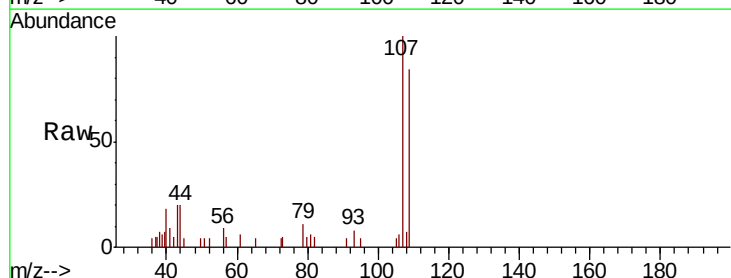
Acq: 28 Mar 2019 14:40

Tgt Ion:107 Resp: 2203

Ion Ratio Lower Upper

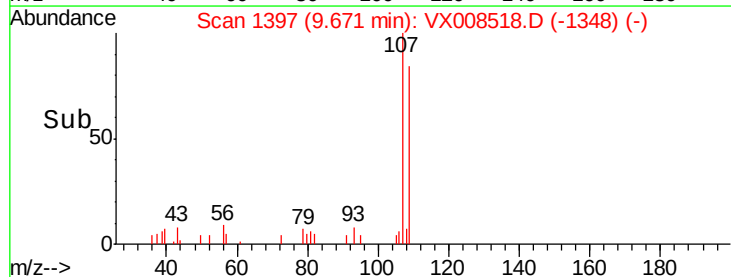
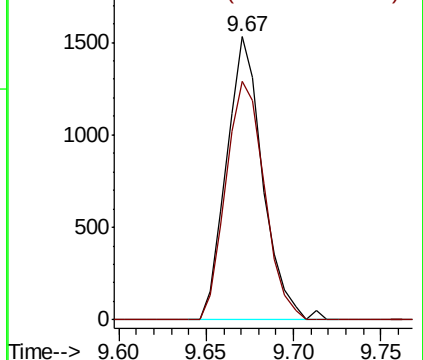
107 100

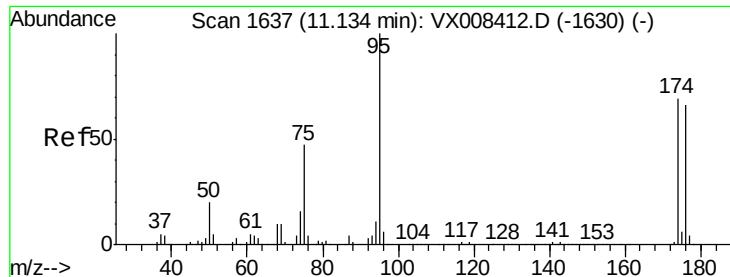
109 89.6 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 47.433 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

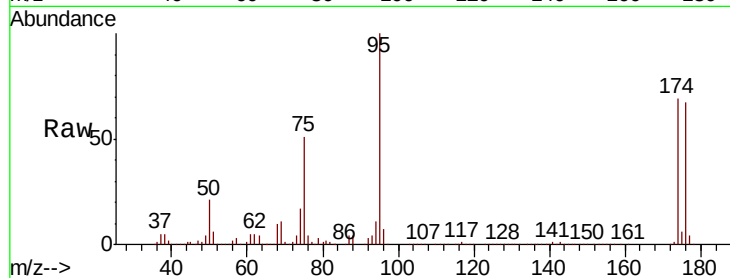
Tot Ion: 95 Resp: 340026

Ion Ratio Lower Upper

95 100

174 74.2 0.0 147.2

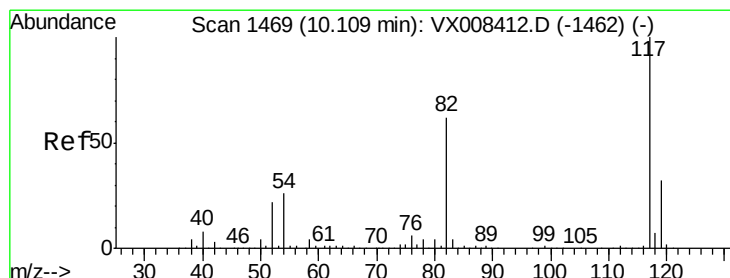
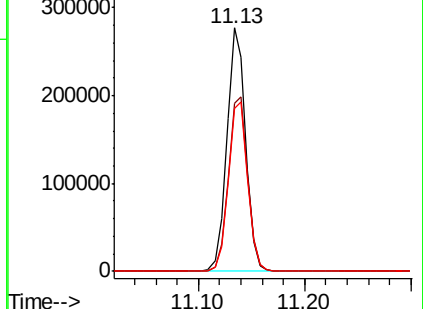
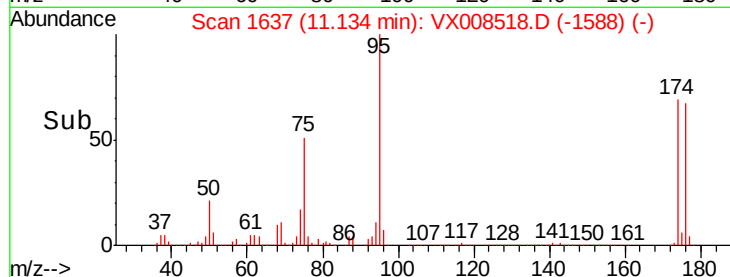
176 71.8 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008518.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008518.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008518.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

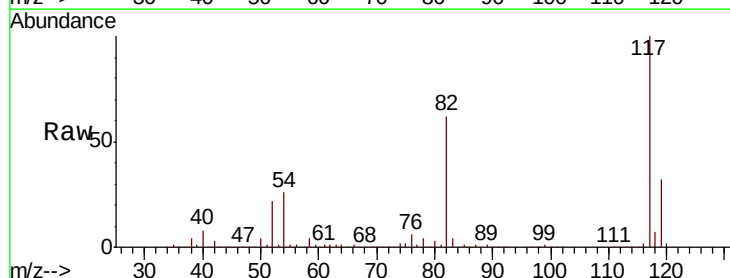
Tgt Ion: 117 Resp: 647454

Ion Ratio Lower Upper

117 100

82 62.5 49.4 74.2

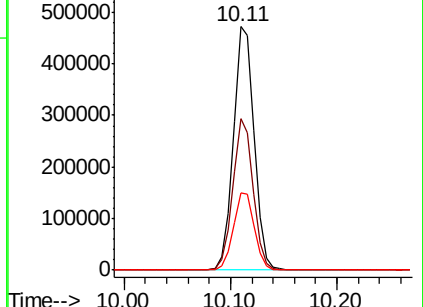
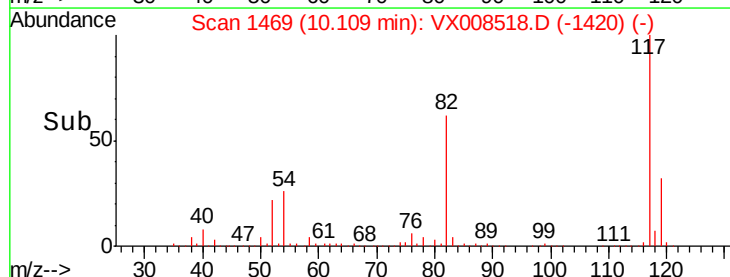
119 31.7 25.4 38.0

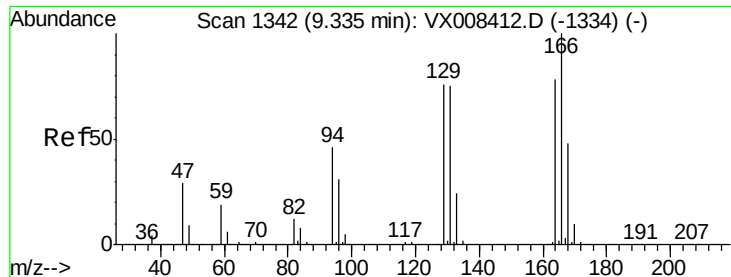


Abundance Ion 116.90 (116.60 to 117.60): VX008518.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008518.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008518.D (-1420) (-)

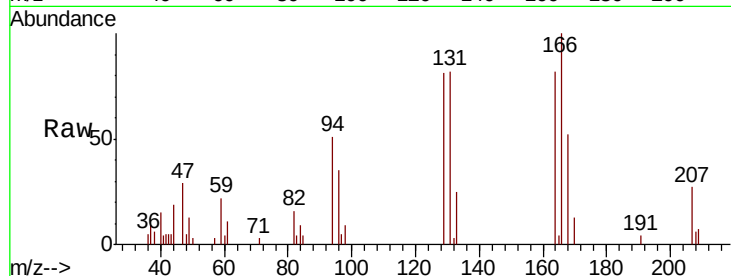




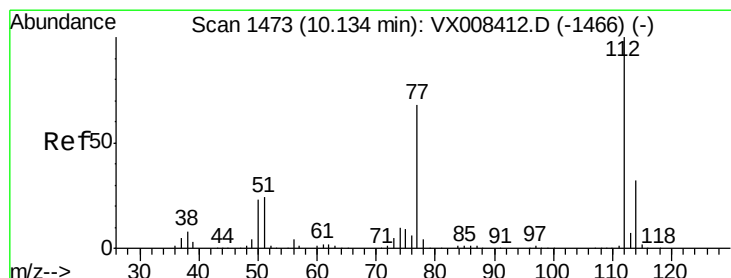
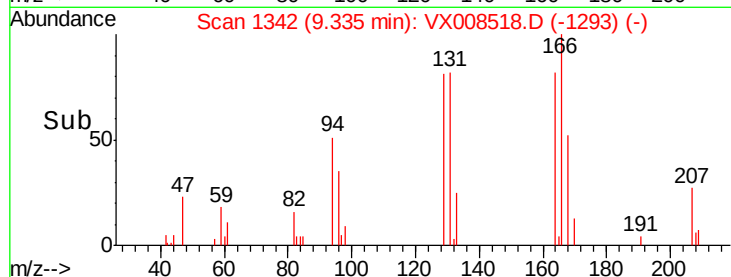
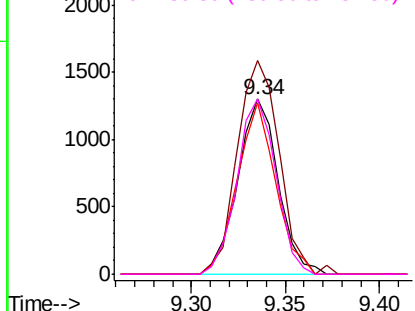
#64
Tetrachloroethene
Concen: 0.443 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:164 Resp: 1940
Ion Ratio Lower Upper
164 100
166 122.2 102.5 153.7
129 98.4 77.8 116.8
131 100.0 76.9 115.3

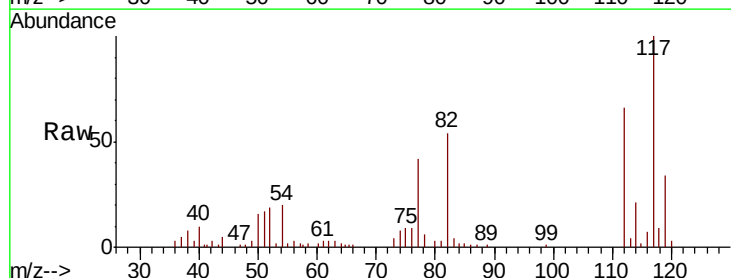


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

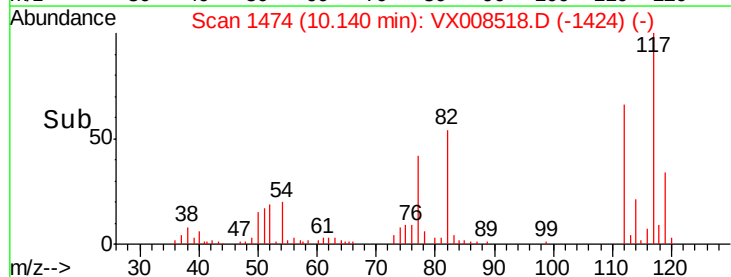
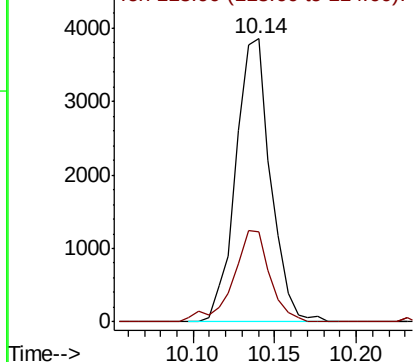


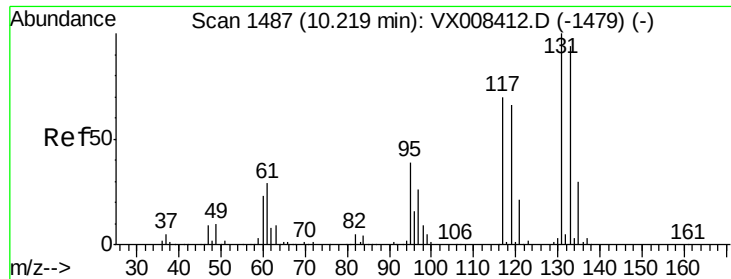
#65
Chlorobenzene
Concen: 0.407 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion:112 Resp: 5735
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

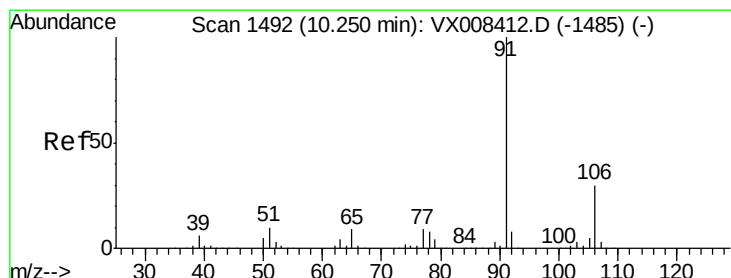
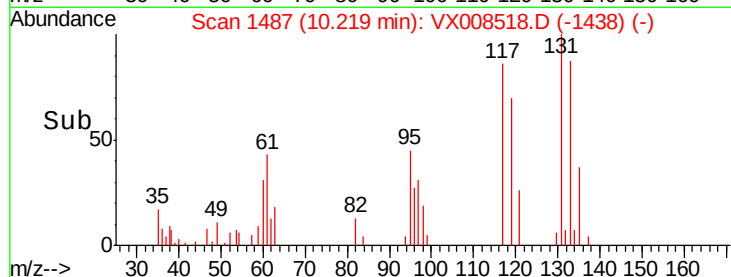
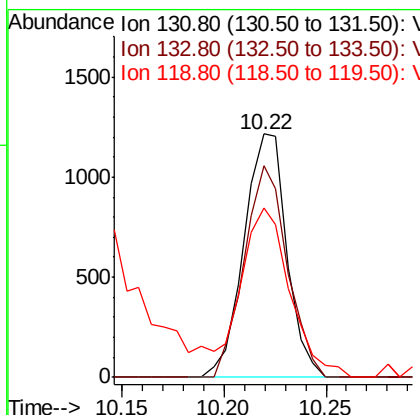
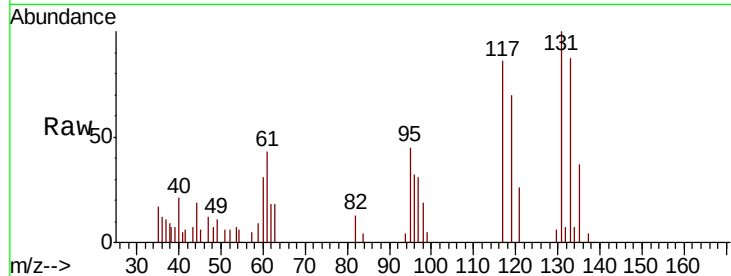




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.365 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

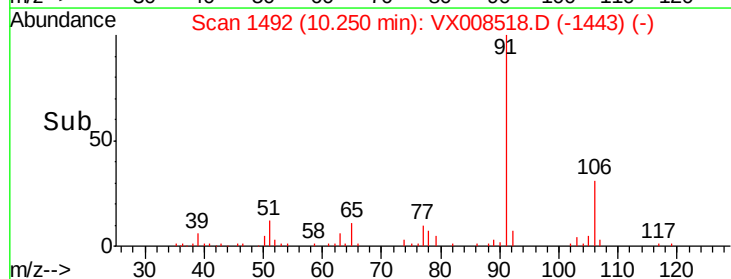
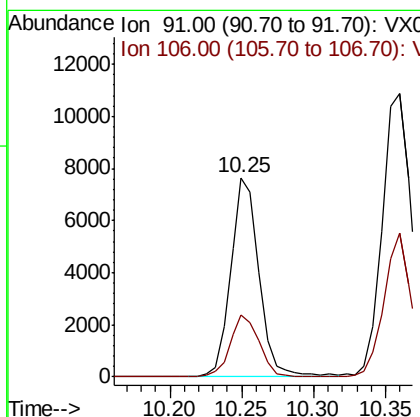
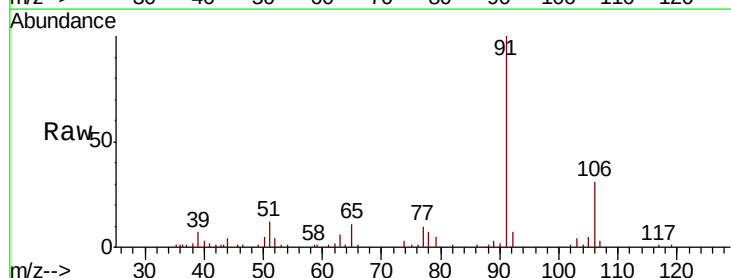
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

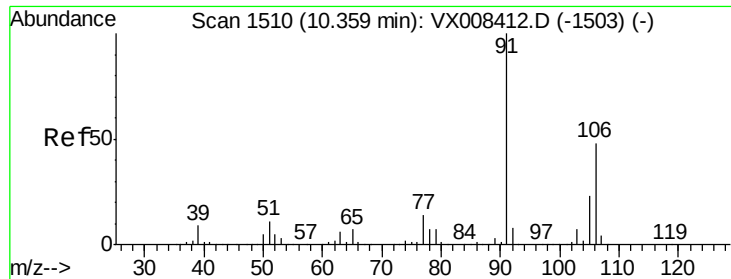
Tot Ion:131 Resp: 1772
 Ion Ratio Lower Upper
 131 100
 133 87.6 47.3 141.8
 119 0.0 33.6 100.6#



#67
 Ethyl Benzene
 Concen: 0.395 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 91 Resp: 10496
 Ion Ratio Lower Upper
 91 100
 106 31.4 24.0 36.0





#68

m/p-Xylenes

Concen: 0.770 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

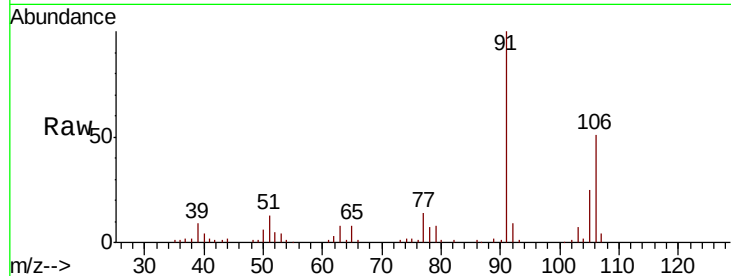
LOD-MDL-WATER-01-QT1-2019

Tot Ion:106 Resp: 7442

Ion Ratio Lower Upper

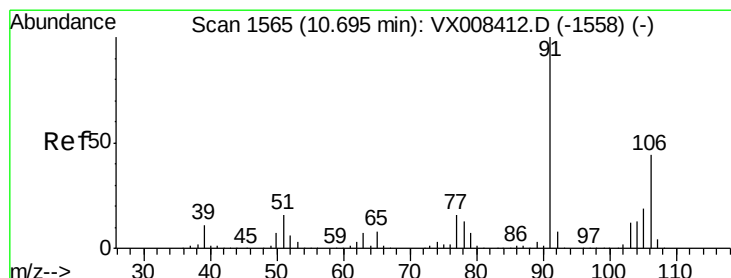
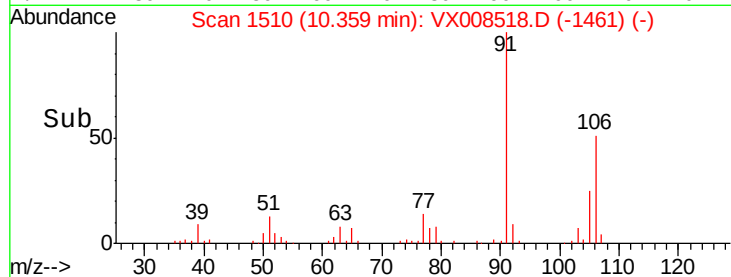
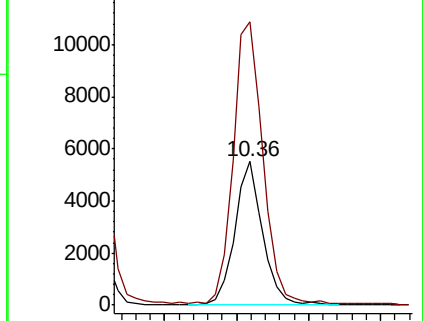
106 100

91 208.8 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.383 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX008518.D

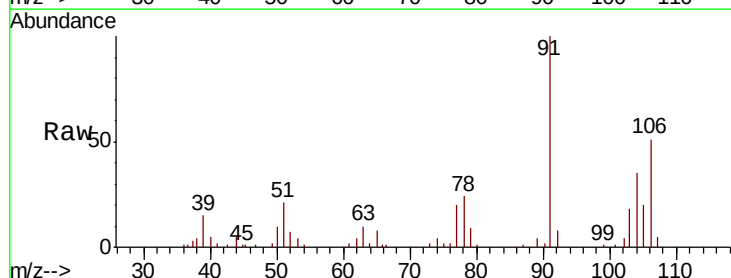
Acq: 28 Mar 2019 14:40

Tgt Ion:106 Resp: 3589

Ion Ratio Lower Upper

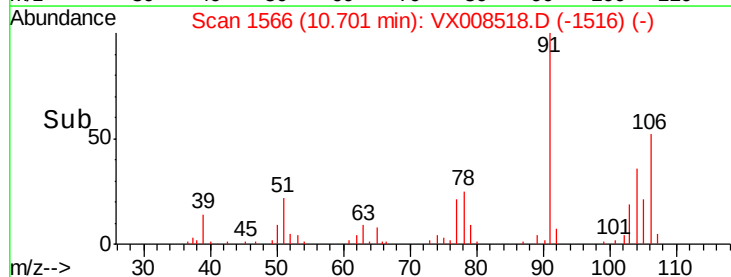
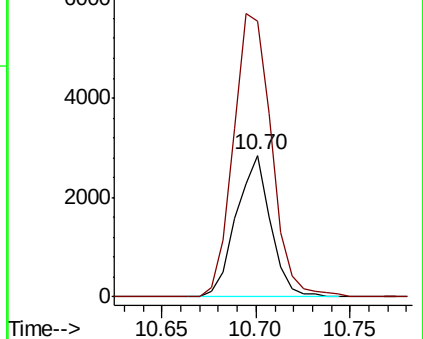
106 100

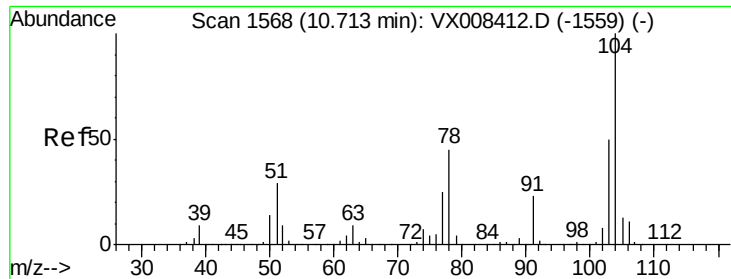
91 222.3 111.4 334.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 0.364 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

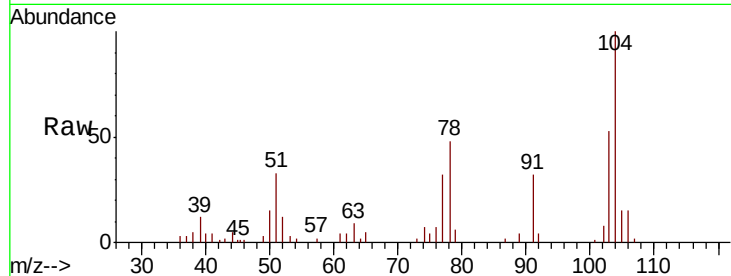
Tot Ion:104 Resp: 5896

Ion Ratio Lower Upper

104 100

78 53.4 42.5 63.7

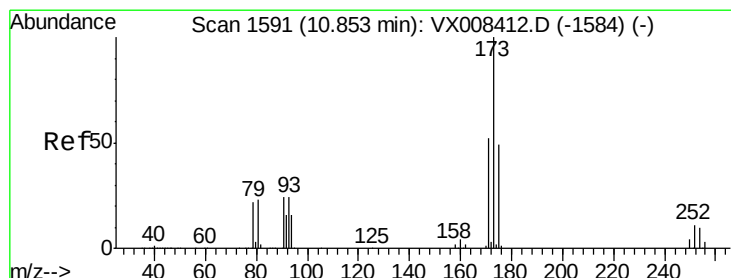
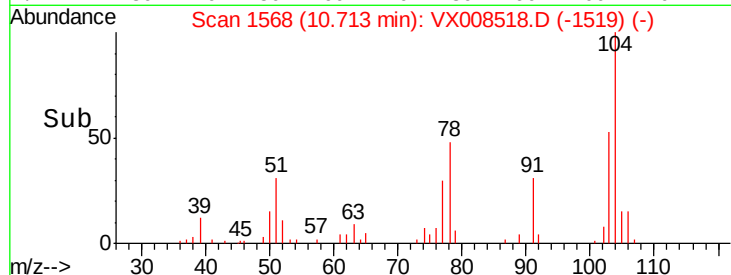
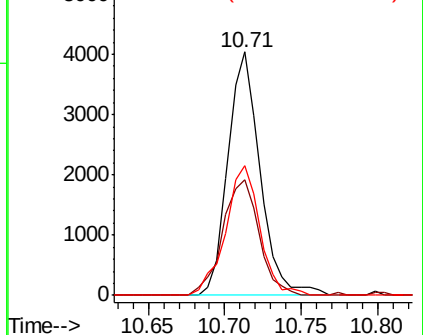
103 56.9 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.316 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

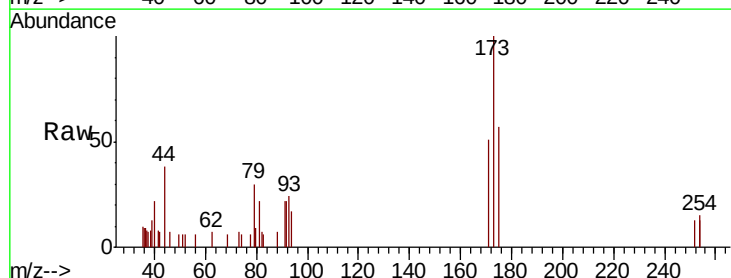
Tgt Ion:173 Resp: 1213

Ion Ratio Lower Upper

173 100

175 50.2 24.3 72.8

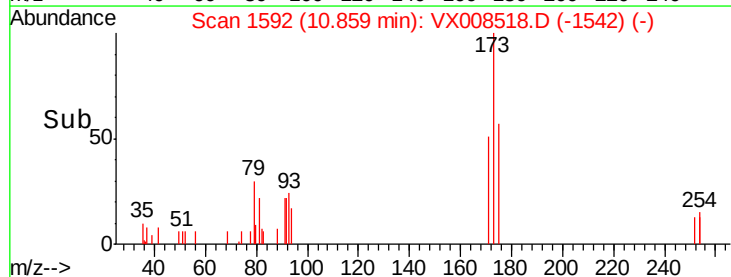
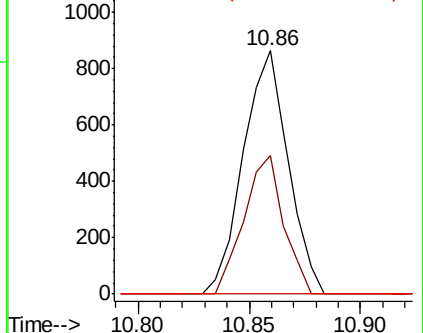
254 0.0 0.2 0.2#

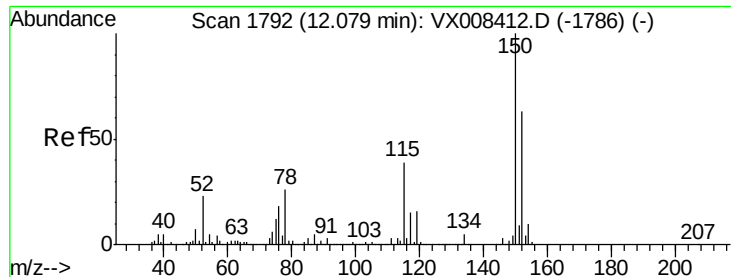


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



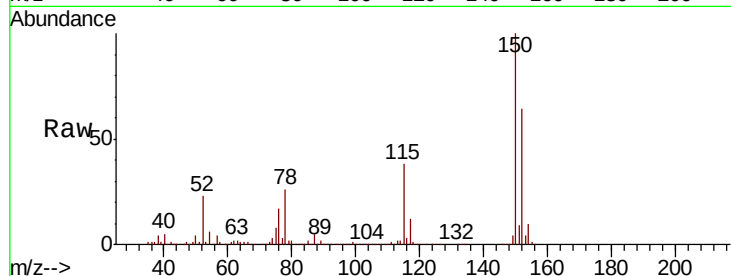


#72

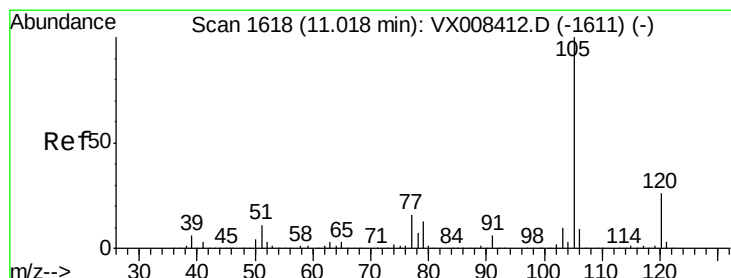
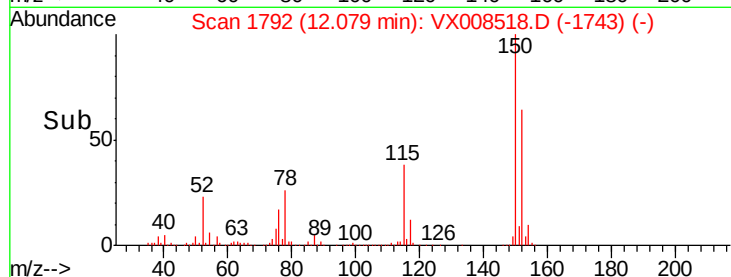
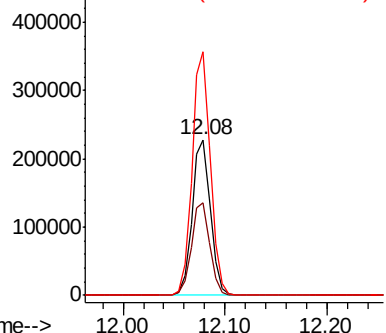
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:152 Resp: 283317
Ion Ratio Lower Upper
152 100
115 60.5 43.5 130.5
150 156.4 0.0 348.8



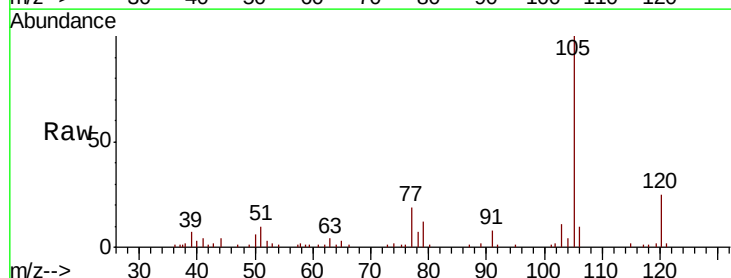
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



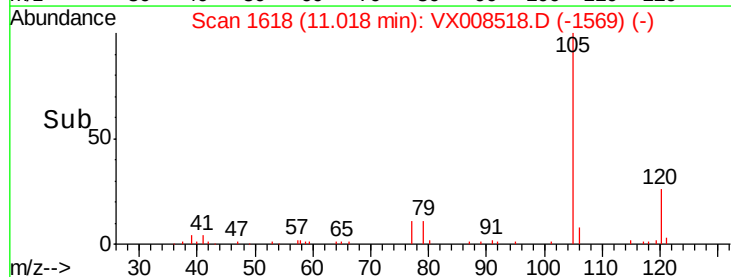
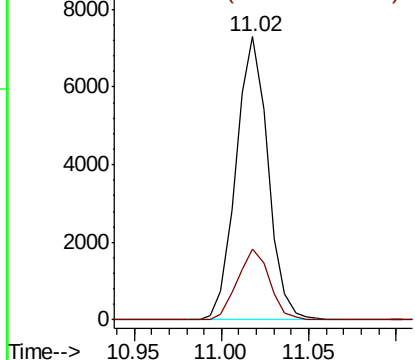
#73

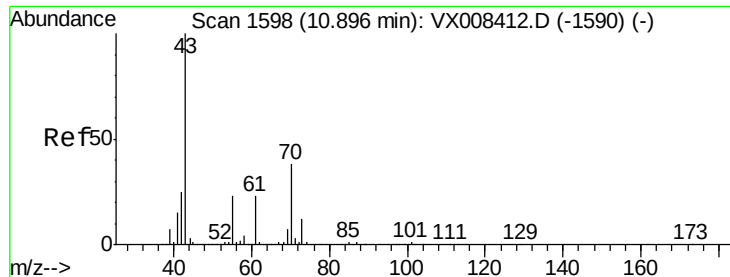
Isopropylbenzene
Concen: 0.402 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion:105 Resp: 9257
Ion Ratio Lower Upper
105 100
120 25.1 12.9 38.7



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





#74

N-amvl acetate

Concen: 0.371 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 4955

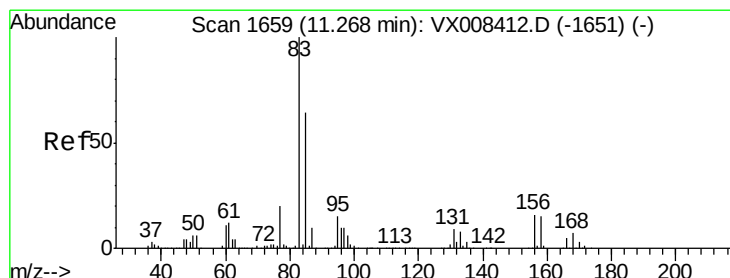
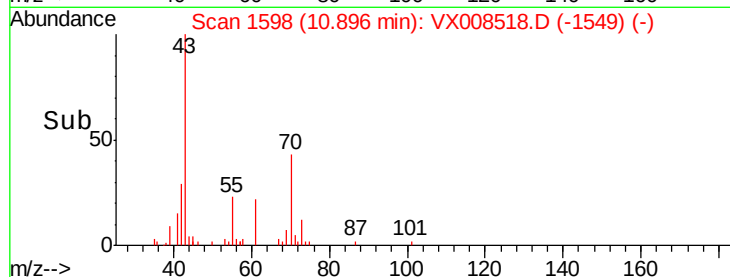
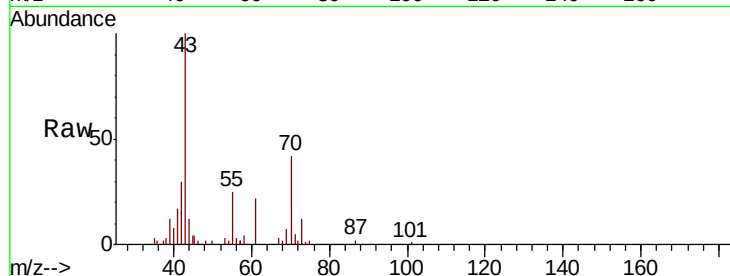
Ion	Ratio	Lower	Upper
43	100		
70	41.3	30.5	45.7
55	24.9	18.2	27.2
61	24.9	18.4	27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.424 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

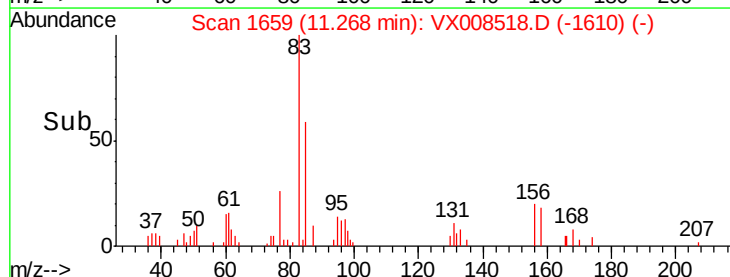
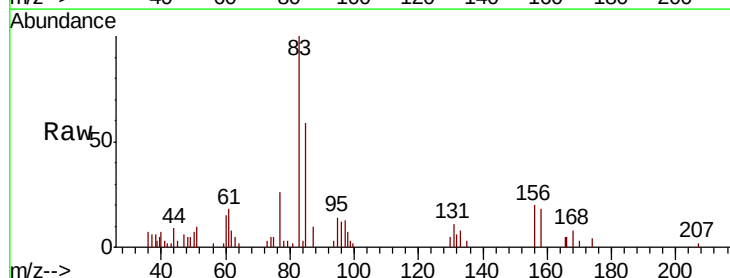
Tgt Ion: 83 Resp: 3789

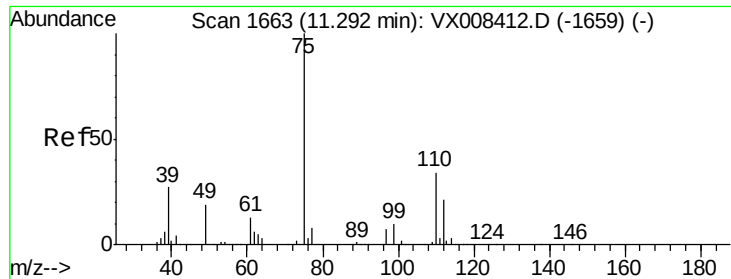
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.4
85	61.3	31.9	95.9

Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

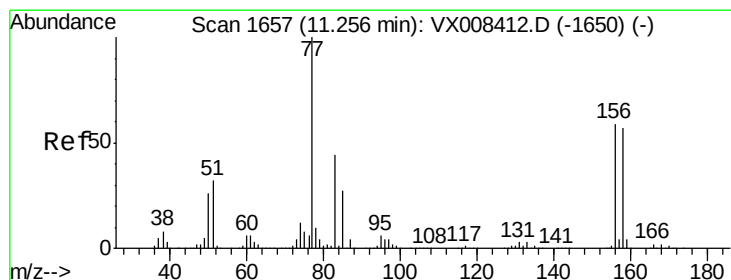
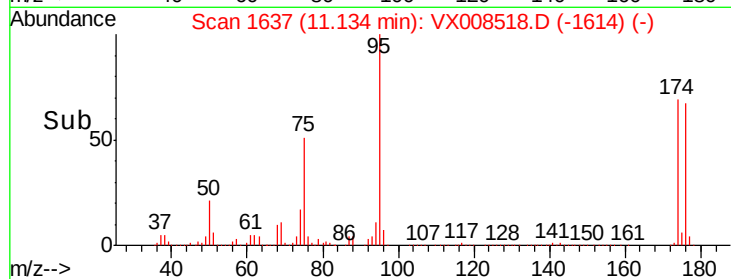
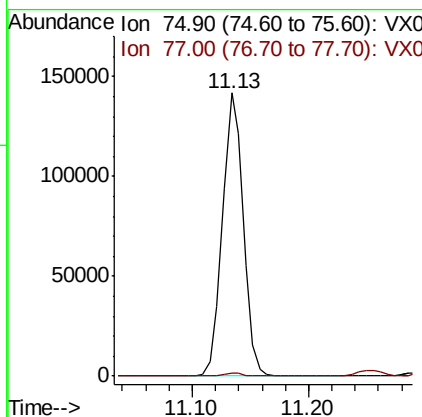
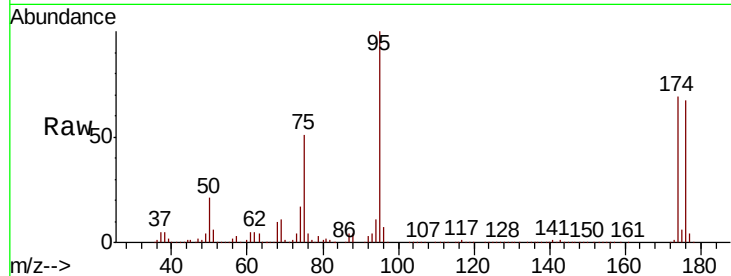




#76
 1,2,3-Trichloropropane
 Concen: 20.600 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

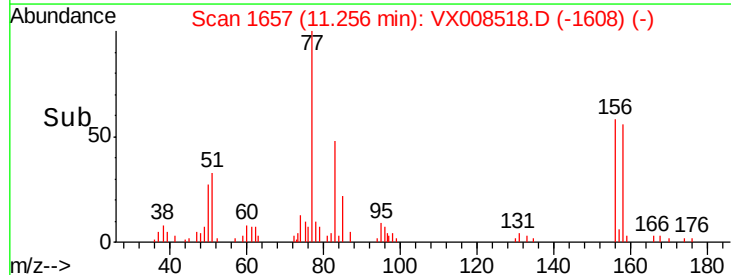
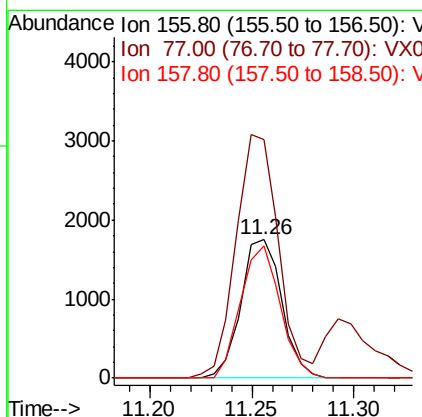
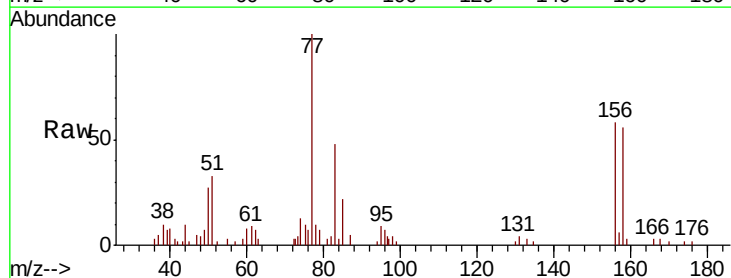
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

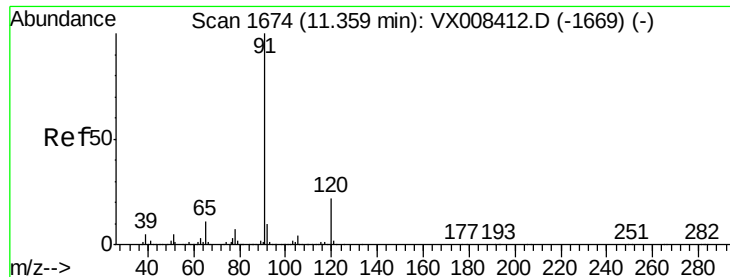
Tot Ion: 75 Resp: 173508
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.9 65.7#



#77
 Bromobenzene
 Concen: 0.435 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 156 Resp: 2434
 Ion Ratio Lower Upper
 156 100
 77 183.2 91.1 273.3
 158 93.2 48.3 144.8





#78

n-propylbenzene

Concen: 0.403 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

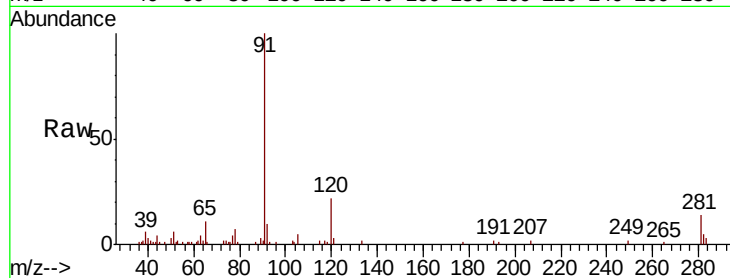
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 10872

Ion Ratio Lower Upper

91 100

120 21.1 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

10000

8000

6000

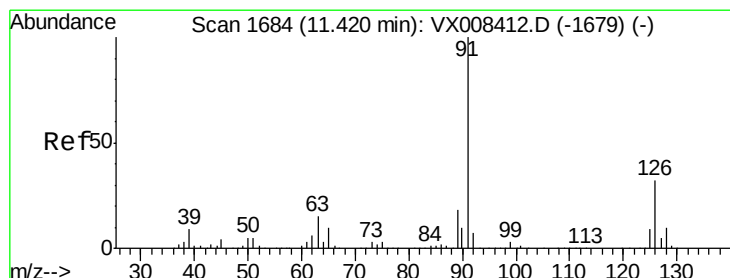
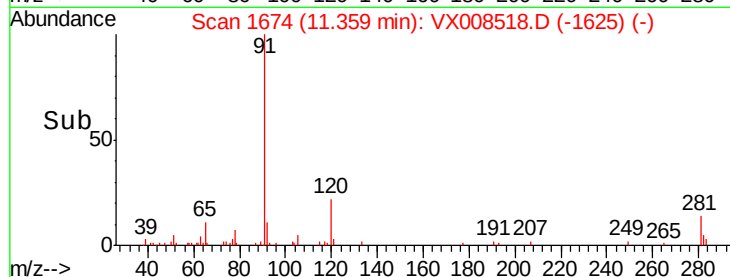
4000

2000

0

Time--> 11.30 11.35 11.40

11.36



#79

2-Chlorotoluene

Concen: 0.416 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008518.D

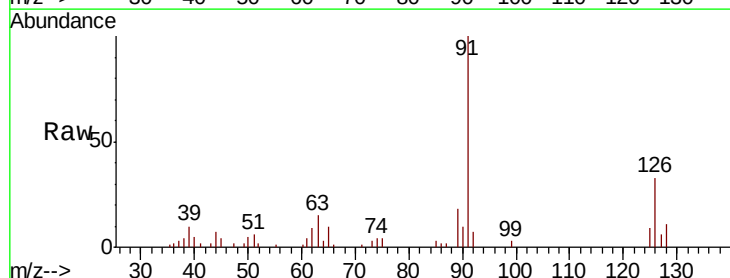
Acq: 28 Mar 2019 14:40

Tgt Ion: 91 Resp: 6837

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

10000

8000

6000

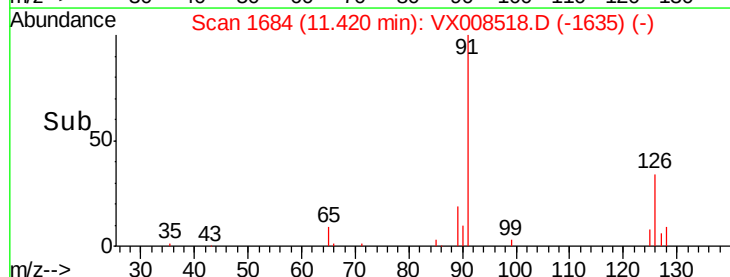
4000

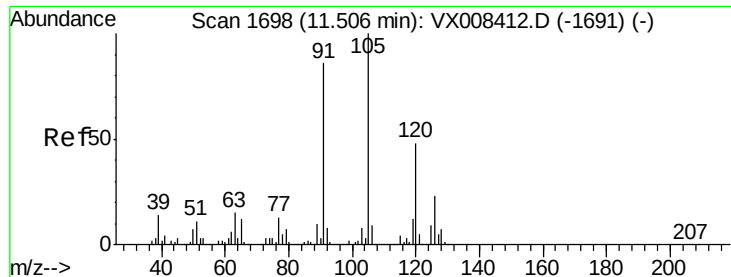
2000

0

Time--> 11.40 11.45

11.42





#80

1,3,5-Trimethylbenzene

Concen: 0.401 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

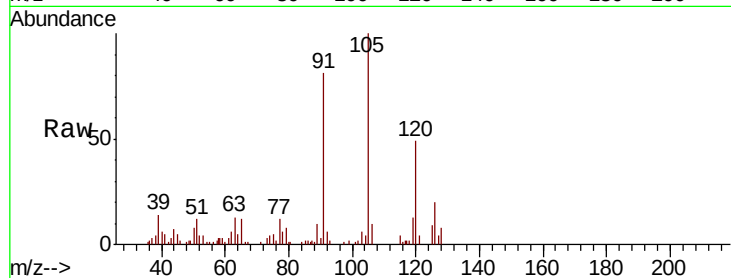
LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 7809

Ion Ratio Lower Upper

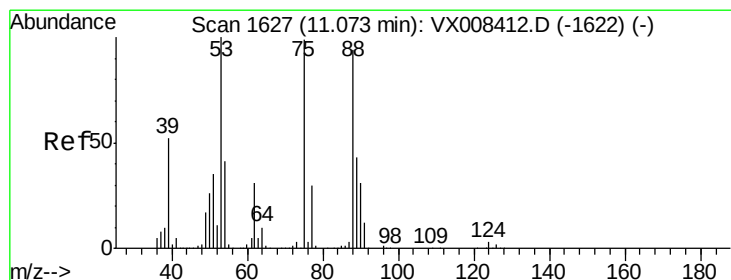
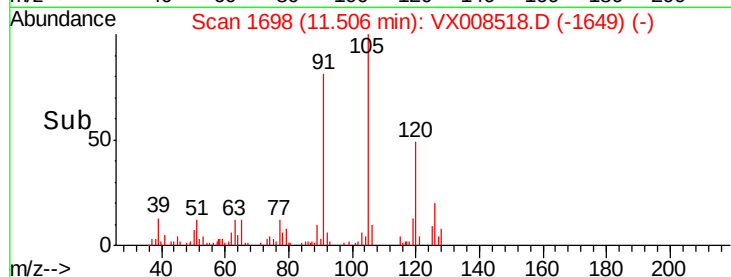
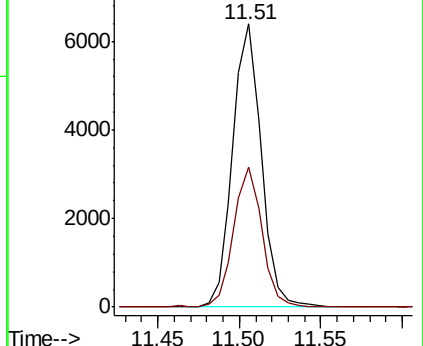
105 100

120 48.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 65.978 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

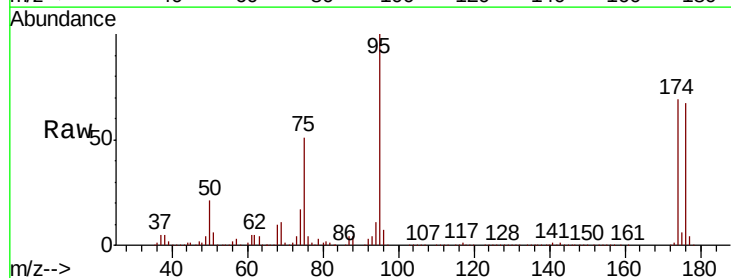
Tgt Ion: 75 Resp: 173508

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

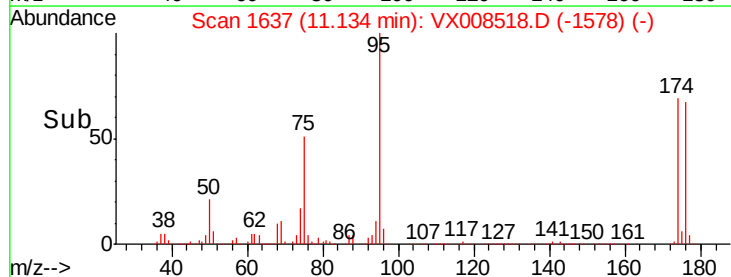
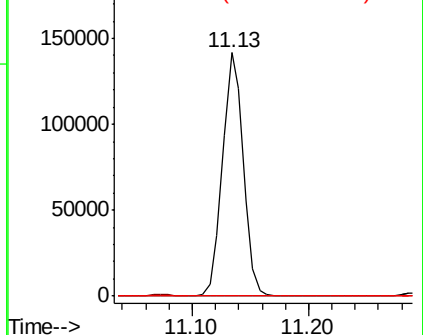
89 0.0 34.6 52.0#

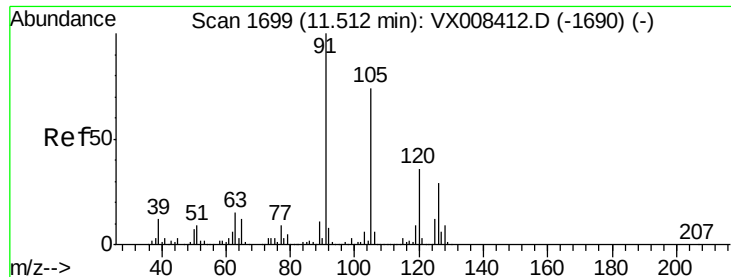


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 0.410 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

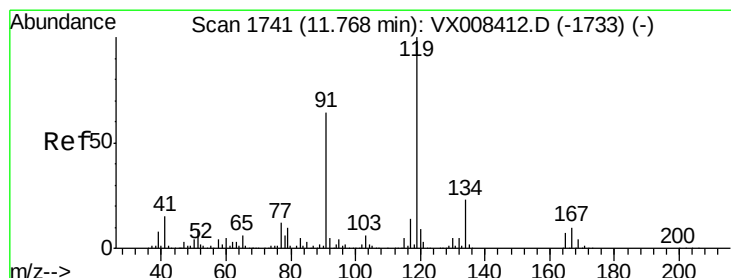
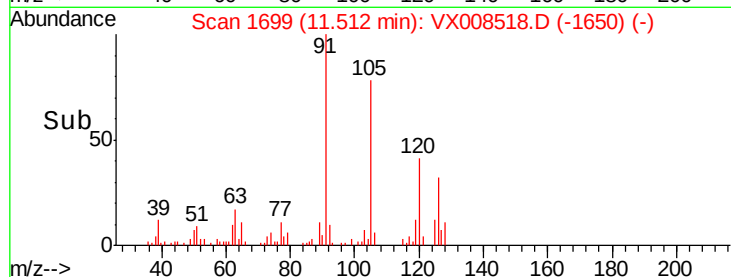
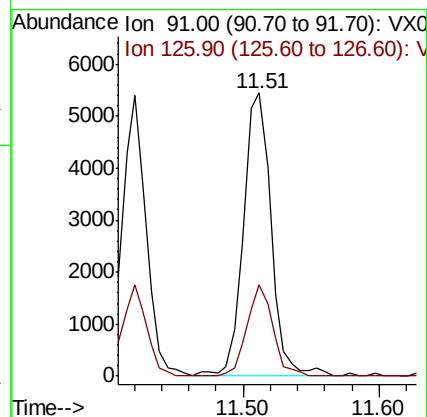
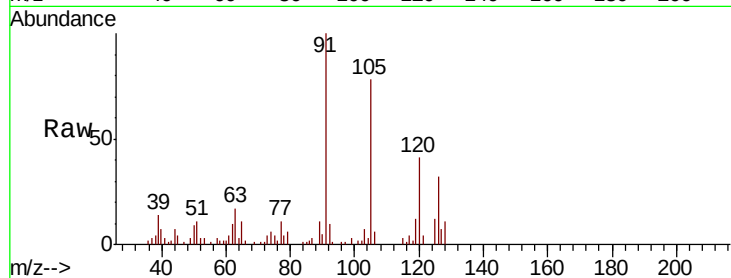
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 7759

Ion Ratio Lower Upper

91 100

126 30.2 13.9 41.7



#83

tert-Butylbenzene

Concen: 0.387 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

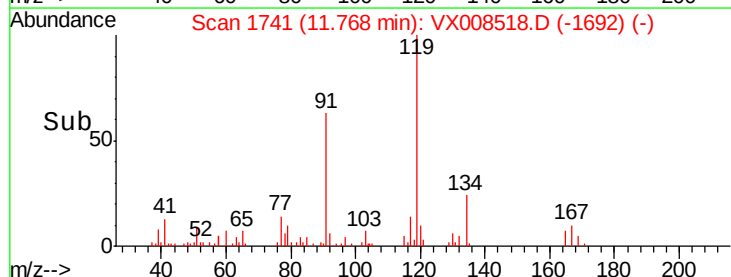
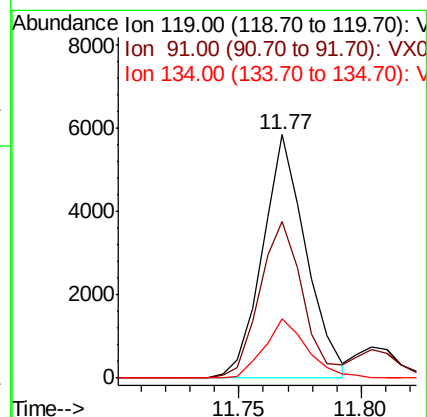
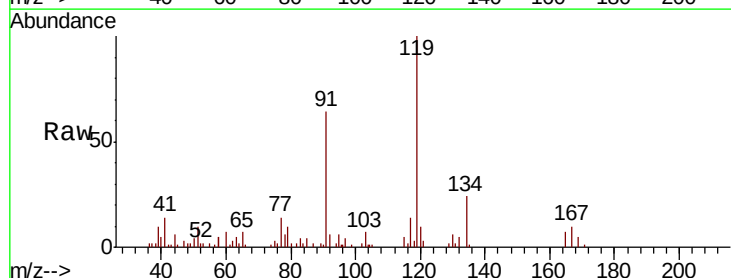
Tgt Ion: 119 Resp: 7268

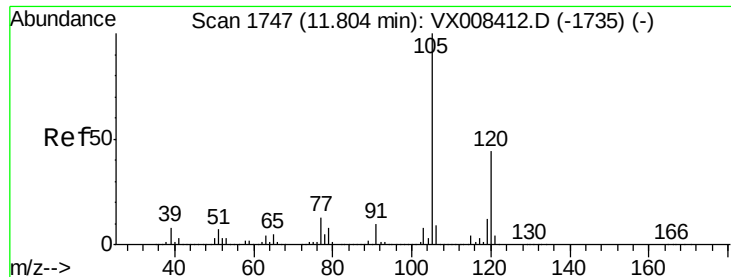
Ion Ratio Lower Upper

119 100

91 64.2 30.1 90.3

134 23.8 10.9 32.9





#84

1,2,4-Trimethylbenzene

Concen: 0.383 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

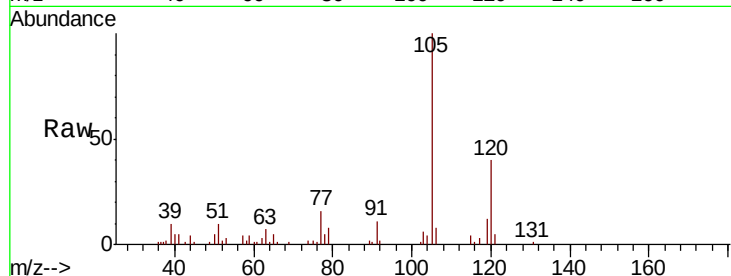
LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 7541

Ion Ratio Lower Upper

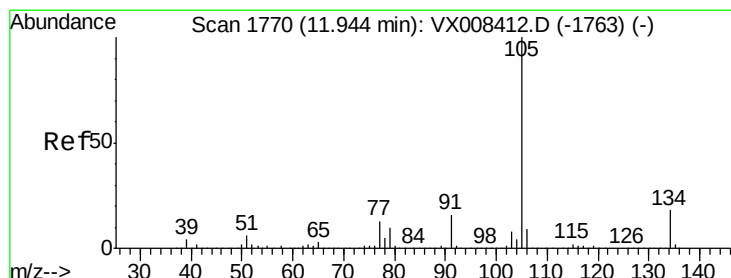
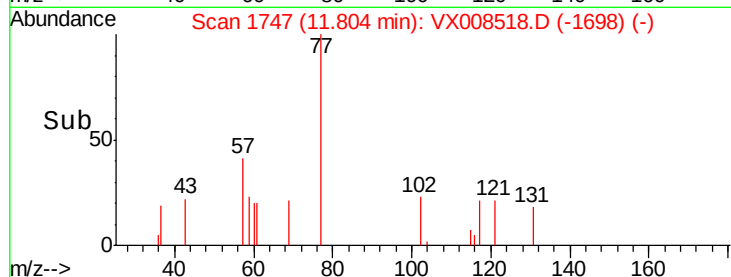
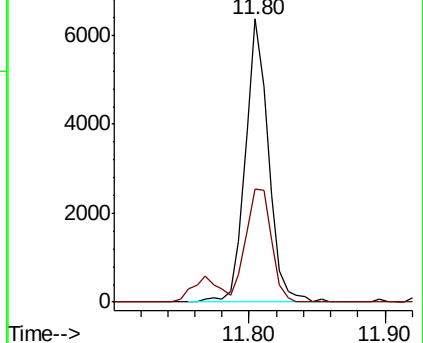
105 100

120 44.7 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.392 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008518.D

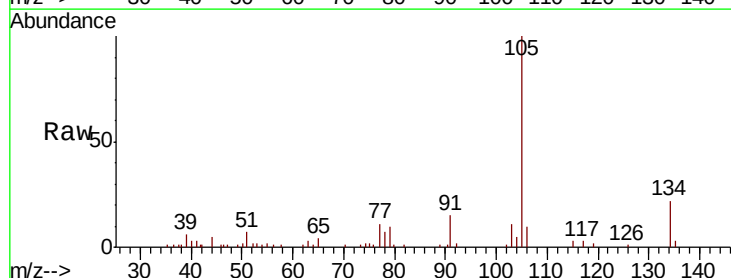
Acq: 28 Mar 2019 14:40

Tgt Ion:105 Resp: 8766

Ion Ratio Lower Upper

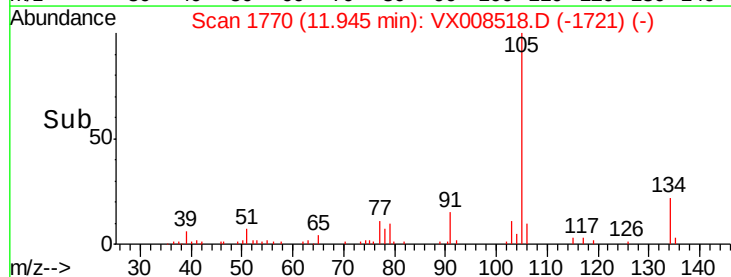
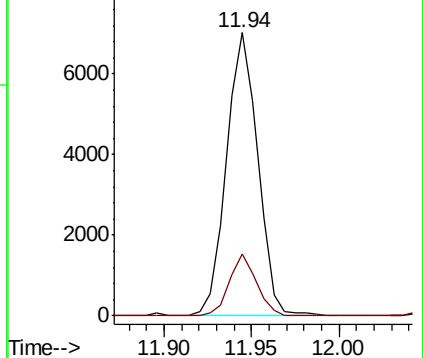
105 100

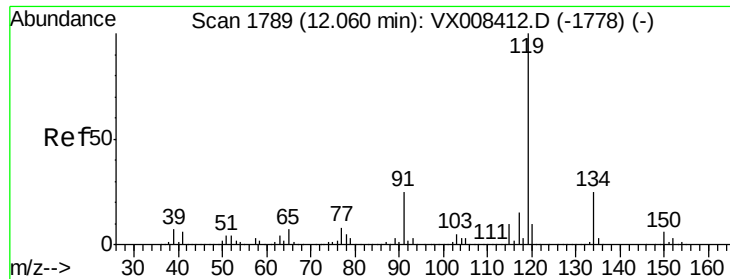
134 18.9 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

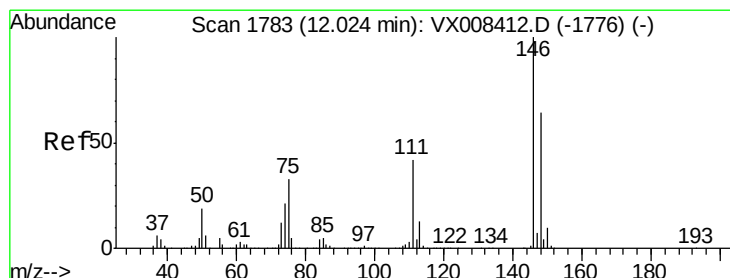
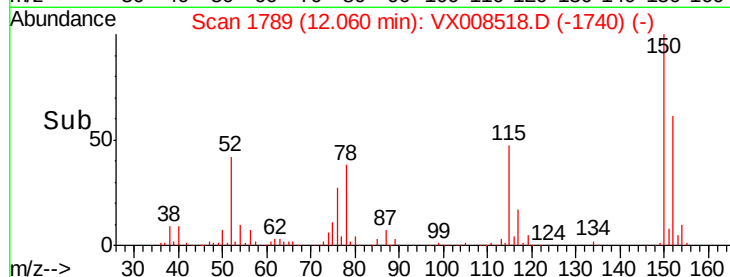
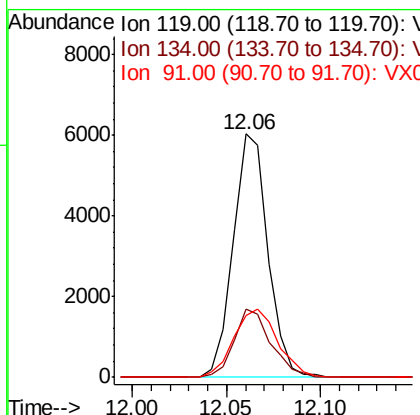
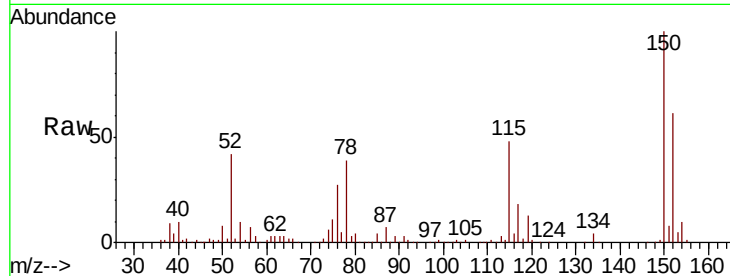




#86
 p-Isopropyltoluene
 Concen: 0.389 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

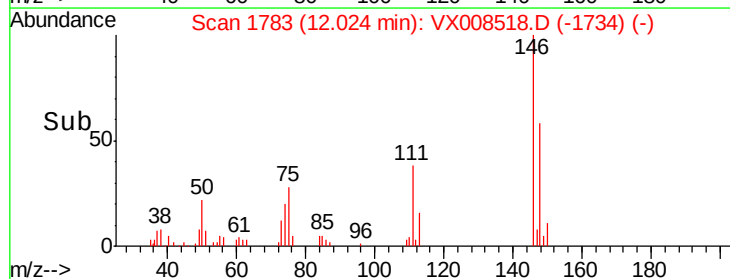
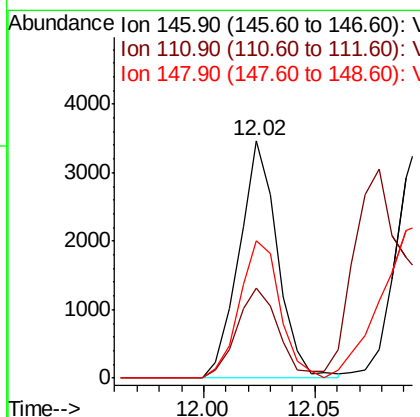
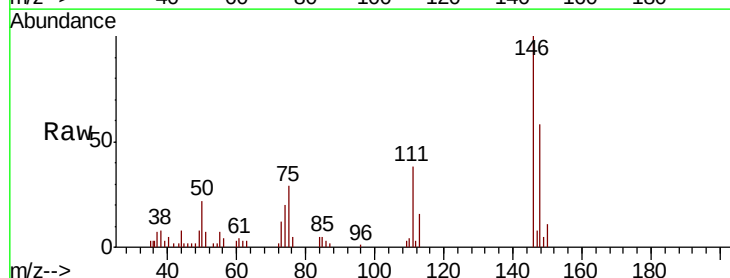
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

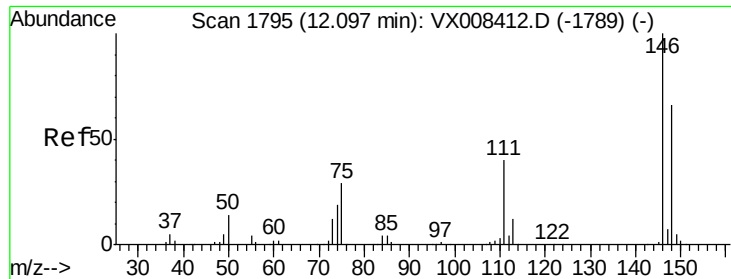
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.8	12.8	38.4
91	35.6	12.4	37.0



#87
 1,3-Dichlorobenzene
 Concen: 0.417 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.5
148	61.1	32.0	96.0

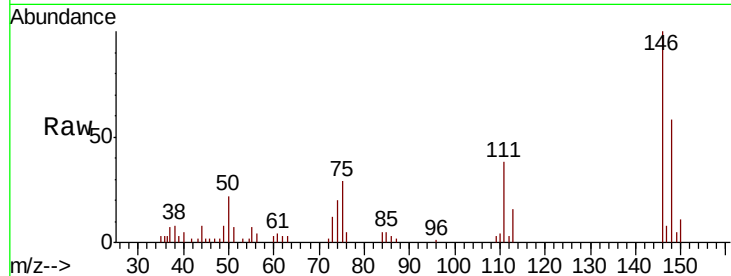




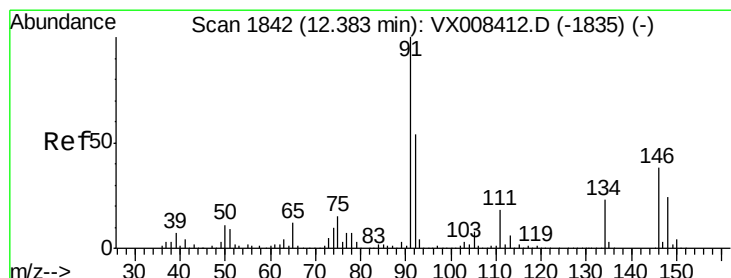
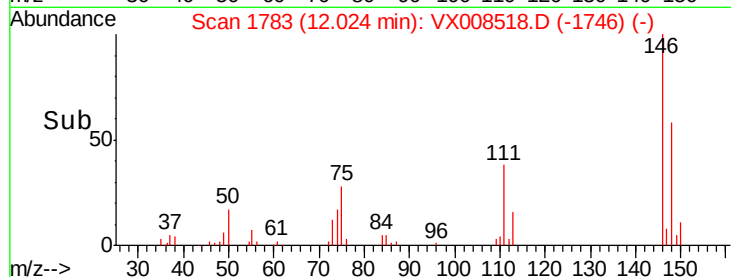
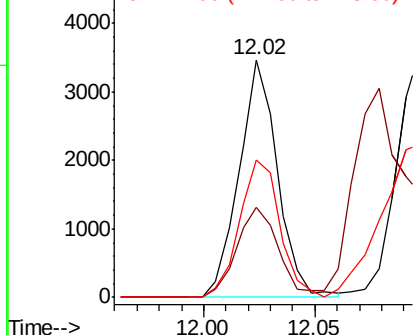
#88
 1,4-Dichlorobenzene
 Concen: 0.413 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion:146 Resp: 4166
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 61.0
 148 61.1 32.1 96.5

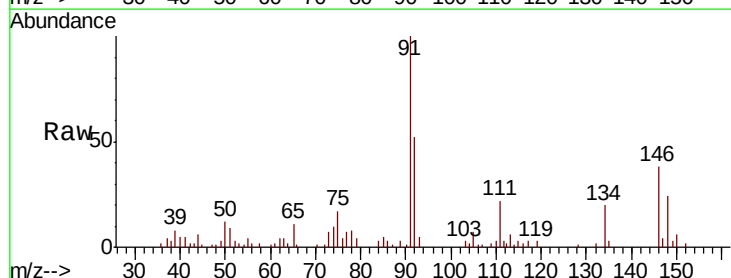


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

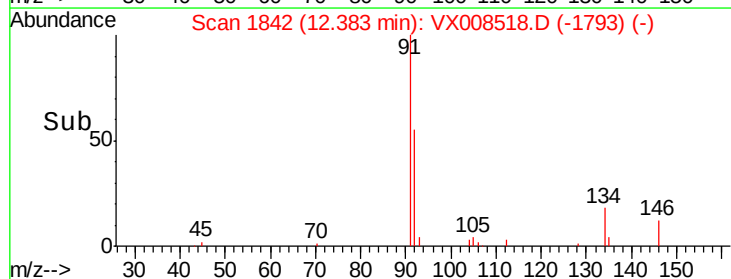
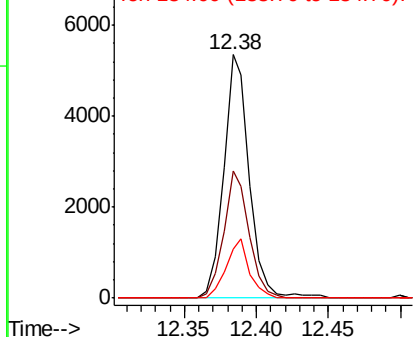


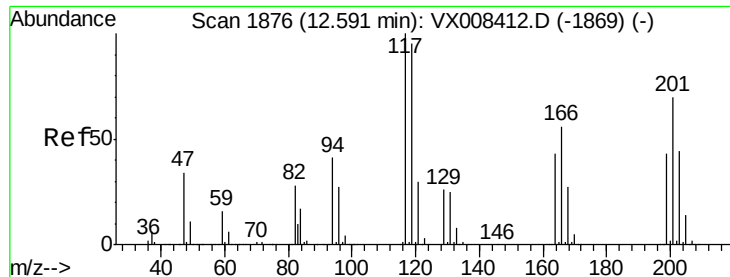
#89
 n-Butylbenzene
 Concen: 0.356 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 91 Resp: 6656
 Ion Ratio Lower Upper
 91 100
 92 51.6 26.5 79.5
 134 22.0 11.8 35.4



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





#90

Hexachloroethane

Concen: 0.357 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

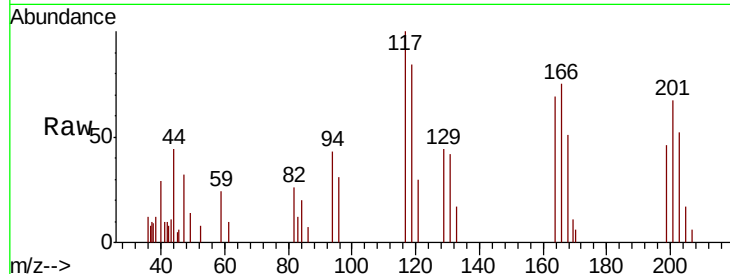
LOD-MDL-WATER-01-QT1-2019

Tot Ion:117 Resp: 1174

Ion Ratio Lower Upper

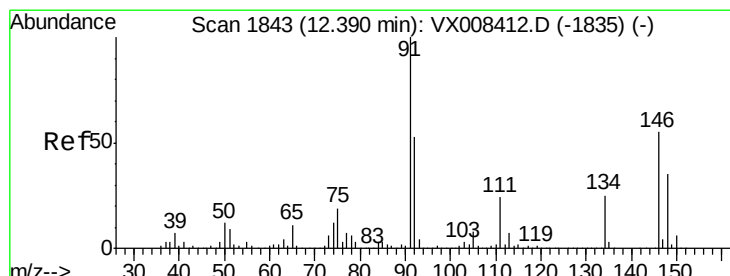
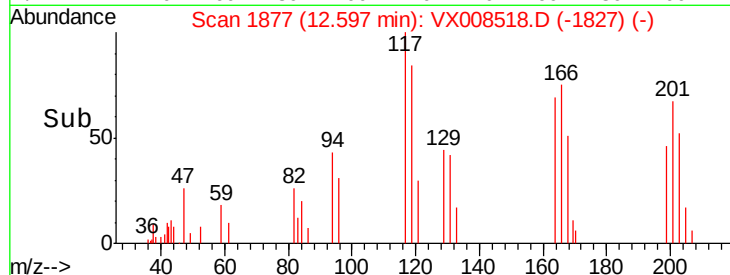
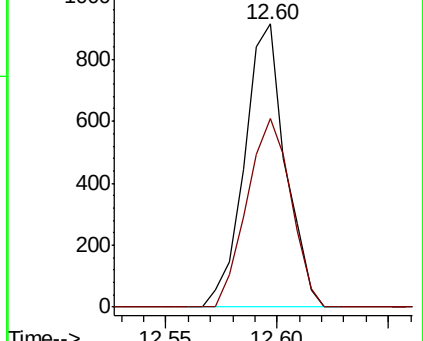
117 100

201 71.6 39.4 118.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.396 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

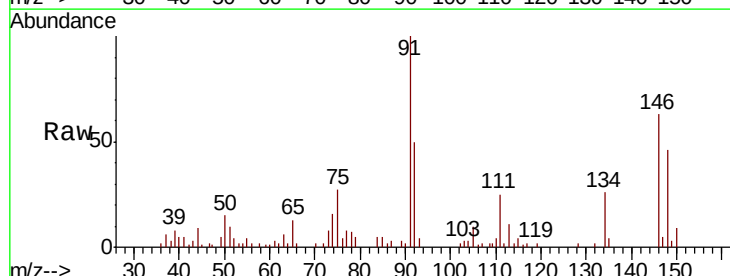
Tgt Ion:146 Resp: 3960

Ion Ratio Lower Upper

146 100

111 46.5 21.6 64.6

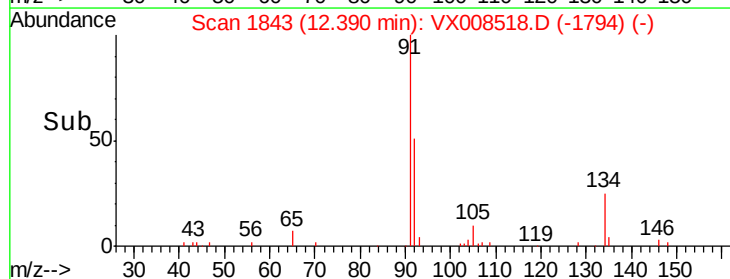
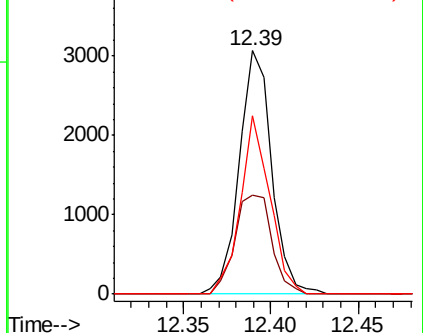
148 66.6 31.9 95.7

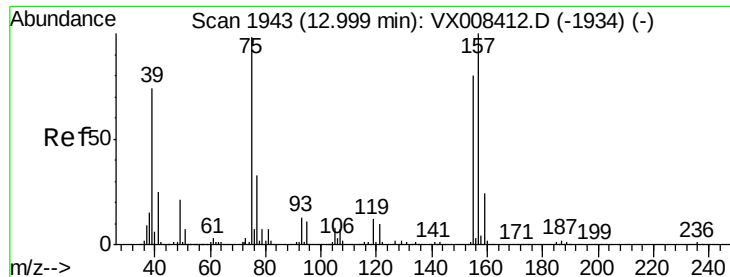


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.362 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

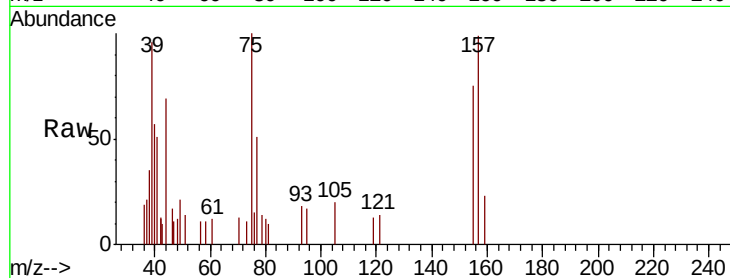
Tot Ion: 75 Resp: 706

Ion Ratio Lower Upper

75 100

155 82.7 39.5 118.5

157 94.2 49.9 149.7

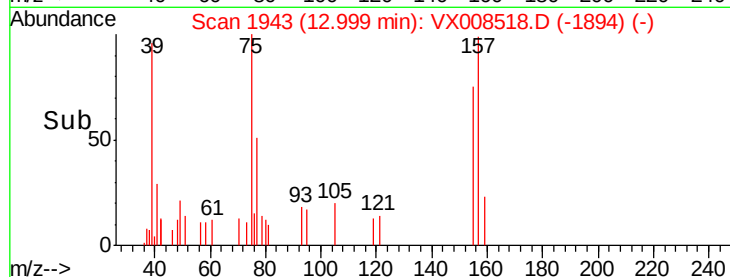


Abundance Ion 74.90 (74.60 to 75.60): VX0

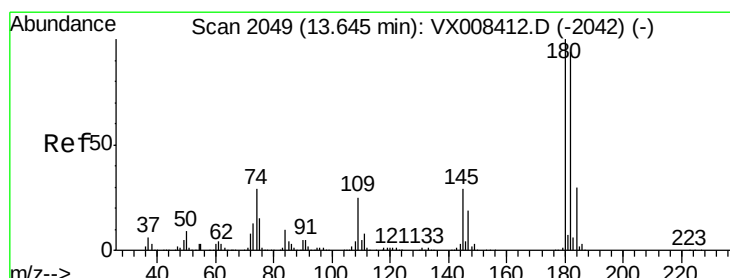
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.372 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

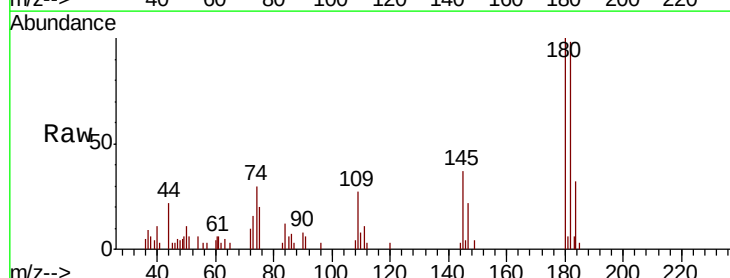
Tgt Ion: 180 Resp: 2505

Ion Ratio Lower Upper

180 100

182 96.6 47.3 142.0

145 34.3 15.3 45.8

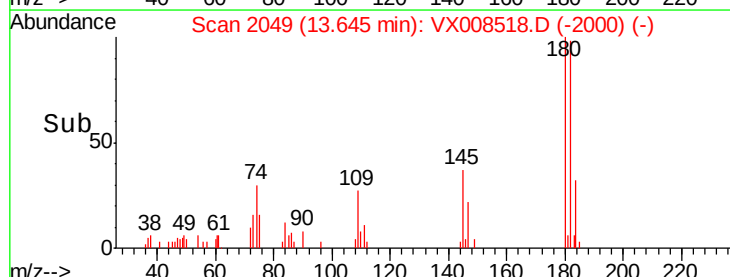


Abundance Ion 179.80 (179.50 to 180.50): V

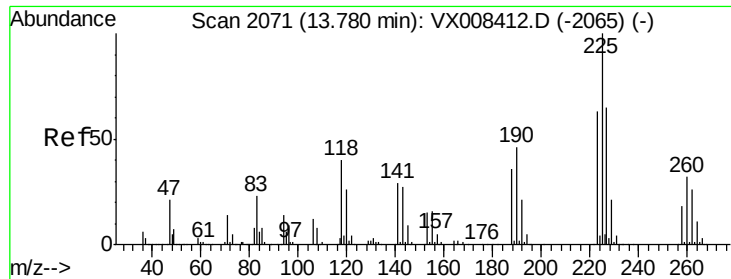
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: 0.422 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

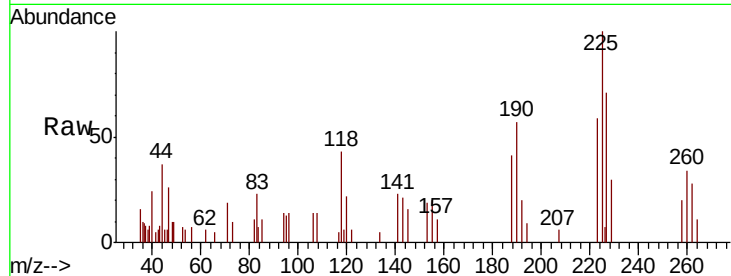
Tot Ion:225 Resp: 1350

Ion Ratio Lower Upper

225 100

223 65.2 31.4 94.0

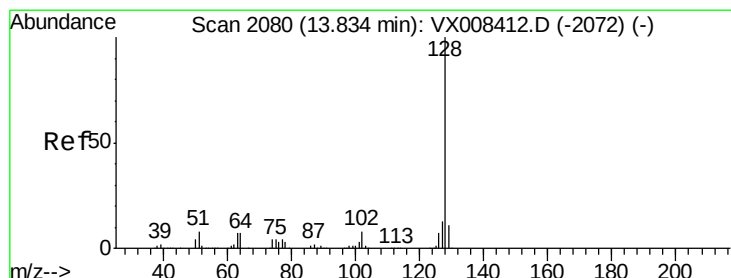
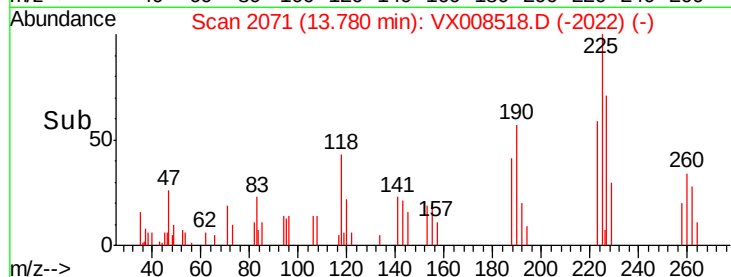
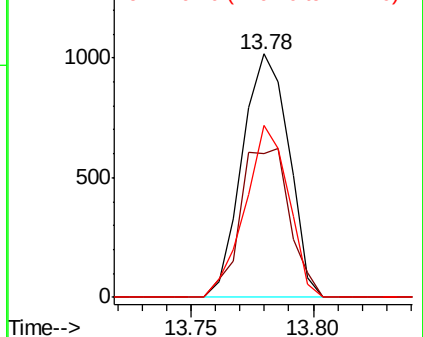
227 66.1 31.9 95.9



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: 0.372 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

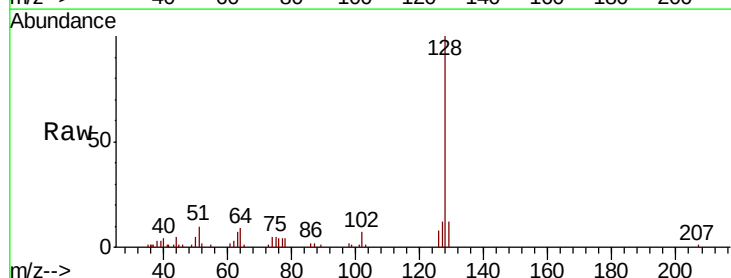
Tgt Ion:128 Resp: 8605

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

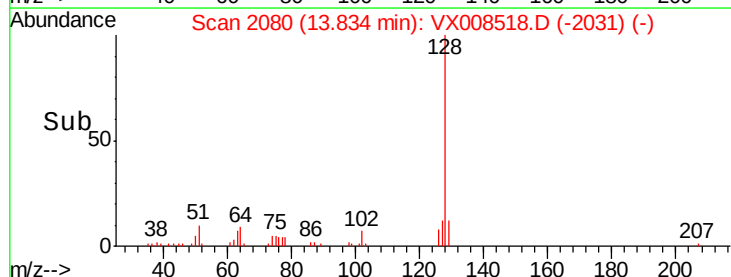
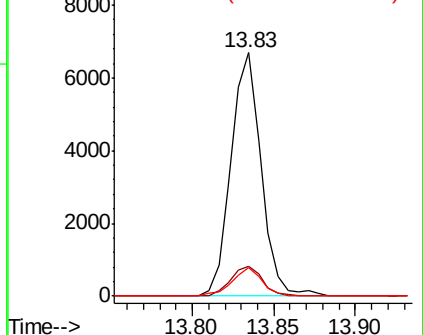
129 11.4 8.7 13.1

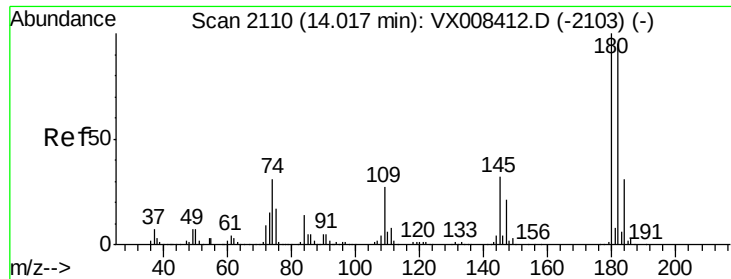


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.417 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.3	142.0
145	29.8	16.2	48.5

