

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX013002.D
 Acq On : 10 Oct 2019 17:40
 Operator : JC/SP
 Sample : K5111-07 0.75PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Quant Time: Oct 11 04:39:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	159118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103786	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	100887	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	5.49	113	75527	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	8.71	98	292183	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	11.14	95	104797	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	910	0.561	ug/l	82
3) Chloromethane	1.32	50	1285	0.728	ug/l #	77
4) Vinyl Chloride	1.40	62	1284	0.705	ug/l #	86
5) Bromomethane	1.64	94	951	1.256	ug/l	99
6) Chloroethane	1.72	64	2261	2.384	ug/l #	87
7) Trichlorofluoromethane	1.92	101	1789	0.728	ug/l #	81
8) Diethyl Ether	2.19	74	818	0.824	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1119	0.703	ug/l	92
10) Methyl Iodide	2.50	142	751	5.456	ug/l #	82
11) Tert butyl alcohol	3.01	59	4951	9.391	ug/l #	82
12) 1,1-Dichloroethene	2.36	96	1017	0.632	ug/l	90
13) Acrolein	2.28	56	1320	3.523	ug/l	98
14) Allyl chloride	2.72	41	1822	0.636	ug/l	98
15) Acrylonitrile	3.13	53	3320	3.323	ug/l	97
16) Acetone	2.43	43	3897	3.718	ug/l #	87
17) Carbon Disulfide	2.56	76	2712	0.591	ug/l #	95
18) Methyl Acetate	2.76	43	1835	0.739	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	3804	0.685	ug/l #	90
20) Methylene Chloride	2.85	84	1712	0.889	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	1334	0.774	ug/l #	78
22) Diisopropyl ether	3.85	45	3796	0.692	ug/l #	82
23) Vinyl Acetate	3.81	43	13690	2.890	ug/l	100
24) 1,1-Dichloroethane	3.69	63	2159	0.699	ug/l #	92
25) 2-Butanone	4.68	43	4530	3.115	ug/l	96
26) 2,2-Dichloropropane	4.57	77	1488	0.573	ug/l	86
27) cis-1,2-Dichloroethene	4.59	96	1559	0.785	ug/l	99
28) Bromochloromethane	5.00	49	730	0.347	ug/l #	85
29) Tetrahydrofuran	5.12	42	3408	3.808	ug/l #	82
30) Chloroform	5.19	83	1523	0.481	ug/l #	81
31) Cyclohexane	5.57	56	2156	0.747	ug/l #	75
32) 1,1,1-Trichloroethane	5.48	97	1958	0.730	ug/l #	49
36) 1,1-Dichloropropene	5.79	75	1746	0.725	ug/l	98
37) Ethyl Acetate	4.83	43	1819	0.675	ug/l #	79
38) Carbon Tetrachloride	5.78	117	1673	0.713	ug/l #	91

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	7.47	83	1957	0.670	ug/l #	86
40) Benzene	6.14	78	4847	0.681	ug/l	100
41) Methacrylonitrile	5.04	41	1078	0.728	ug/l #	65
42) 1,2-Dichloroethane	6.19	62	2025	0.793	ug/l	100
43) Isopropyl Acetate	6.44	43	2843	0.657	ug/l #	92
44) Trichloroethene	7.21	130	1369	0.694	ug/l	85
45) 1,2-Dichloropropane	7.51	63	1194	0.658	ug/l	100
46) Dibromomethane	7.67	93	705	0.583	ug/l #	84
47) Bromodichloromethane	7.89	83	1470	0.623	ug/l	97
48) Methyl methacrylate	7.77	41	1142	0.542	ug/l	96
49) 1,4-Dioxane	7.74	88	628	45.798	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	8383	3.109	ug/l	97
52) Toluene	8.78	92	3011	0.661	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1242	2.572	ug/l	91
54) cis-1,3-Dichloropropene	8.43	75	1682	0.580	ug/l #	84
55) 1,1,2-Trichloroethane	9.21	97	1225	0.680	ug/l #	87
56) Ethyl methacrylate	9.18	69	1663	2.328	ug/l	91
57) 1,3-Dichloropropane	9.37	76	2127	0.682	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.31	63	3874	2.926	ug/l	96
59) 2-Hexanone	9.49	43	6017	2.866	ug/l	100
60) Dibromochloromethane	9.58	129	925	2.301	ug/l	95
61) 1,2-Dibromoethane	9.67	107	1084	0.572	ug/l	98
64) Tetrachloroethene	9.33	164	1280	0.757	ug/l #	82
65) Chlorobenzene	10.13	112	3214	0.664	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	1071	0.638	ug/l #	60
67) Ethyl Benzene	10.25	91	5209	0.606	ug/l	96
68) m/p-Xylenes	10.36	106	3776	1.176	ug/l	86
69) o-Xylene	10.70	106	1850	0.591	ug/l	93
70) Styrene	10.71	104	2884	0.542	ug/l	98
71) Bromoform	10.85	173	550	3.494	ug/l #	73
73) Isopropylbenzene	11.01	105	4552	0.597	ug/l	94
74) N-amyl acetate	10.90	43	1812	0.551	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	1590	0.626	ug/l	92
76) 1,2,3-Trichloropropane	11.29	75	1916	0.832	ug/l	82
77) Bromobenzene	11.25	156	1172	0.652	ug/l	90
78) n-propylbenzene	11.35	91	5178	0.617	ug/l	98
79) 2-Chlorotoluene	11.42	91	3560	0.675	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	4266	0.670	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	51397	56.809	ug/l #	10
82) 4-Chlorotoluene	11.51	91	3890	0.643	ug/l	100
83) tert-Butylbenzene	11.77	119	3924	0.631	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	3610	0.559	ug/l	98
85) sec-Butylbenzene	11.94	105	4312	0.599	ug/l	99
86) p-Isopropyltoluene	12.06	119	3640	0.545	ug/l	84
87) 1,3-Dichlorobenzene	12.03	146	2191	0.656	ug/l	98
88) 1,4-Dichlorobenzene	12.03	146	2191	0.648	ug/l	97
89) n-Butylbenzene	12.39	91	2933	0.523	ug/l	99
90) Hexachloroethane	12.59	117	587	2.573	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	2169	0.663	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.99	75	299	0.503	ug/l	95

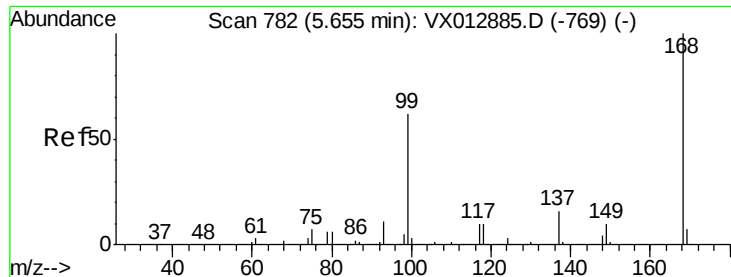
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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1150	0.561	ug/l	95
94) Hexachlorobutadiene	13.78	225	613	0.648	ug/l	94
95) Naphthalene	13.83	128	3398	0.478	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	1142	0.539	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

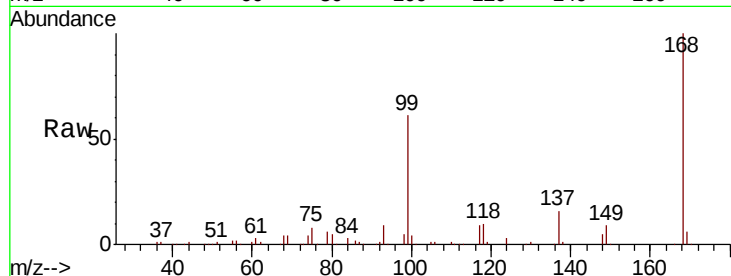
LOD-MDL-WATER-01-QT4-2019

Tot Ion:168 Resp: 159118

Ion Ratio Lower Upper

168 100

99 60.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

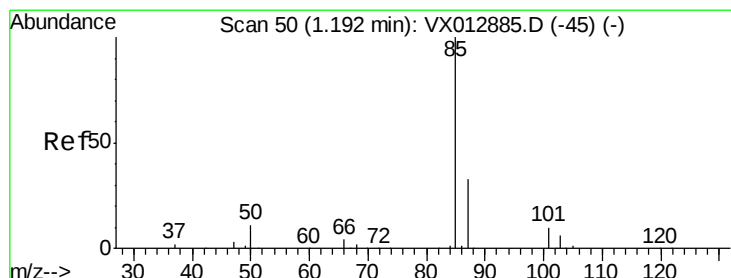
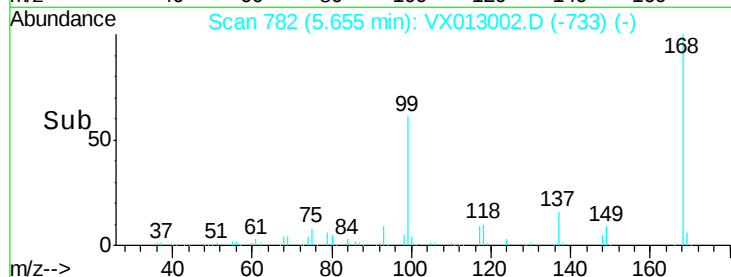
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.561 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013002.D

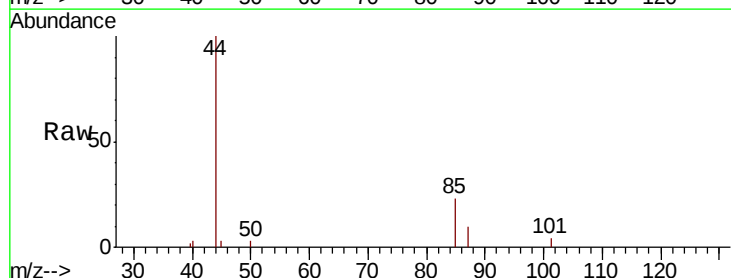
Acq: 10 Oct 2019 17:40

Tgt Ion: 85 Resp: 910

Ion Ratio Lower Upper

85 100

87 42.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

1000

800

600

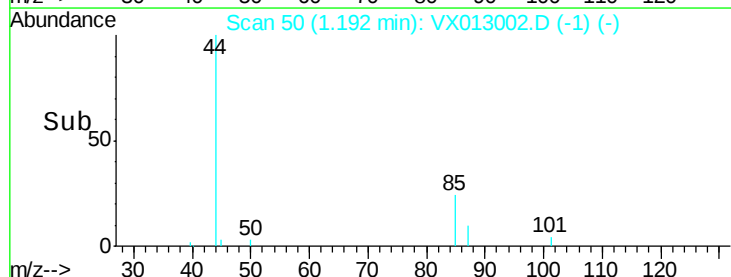
400

200

0

Time-->

1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.728 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

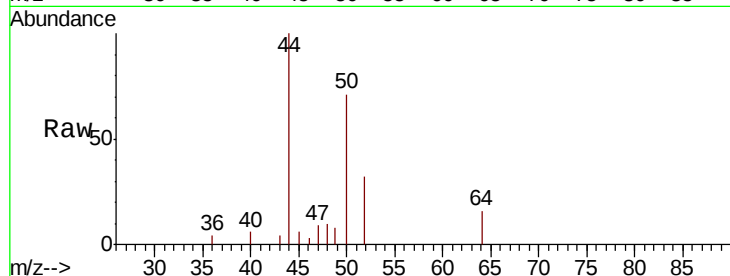
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 50 Resp: 1285

Ion Ratio Lower Upper

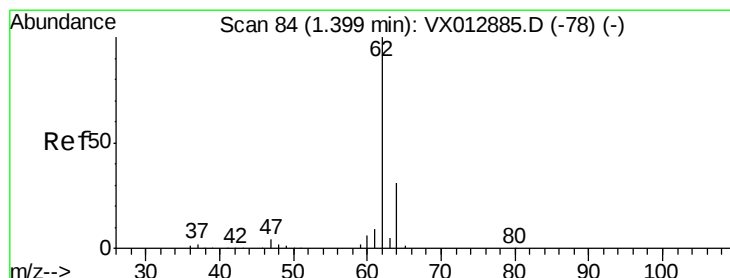
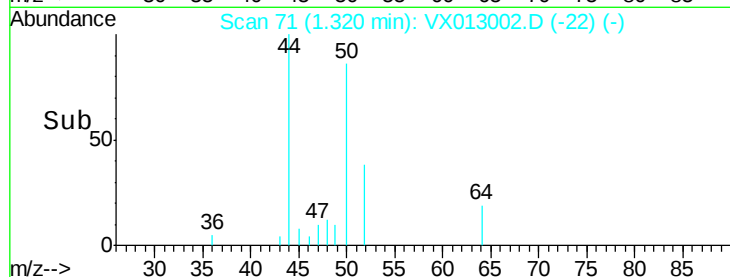
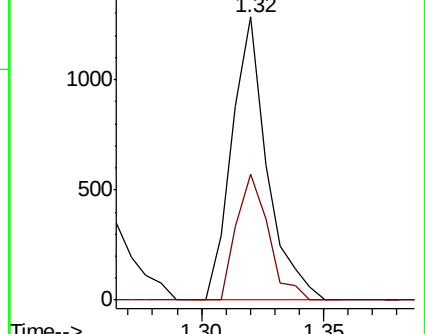
50 100

52 44.5 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.705 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013002.D

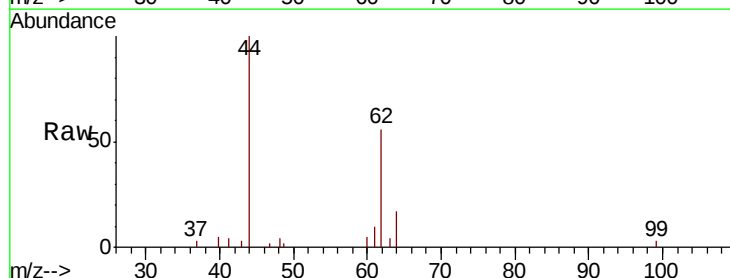
Acq: 10 Oct 2019 17:40

Tgt Ion: 62 Resp: 1284

Ion Ratio Lower Upper

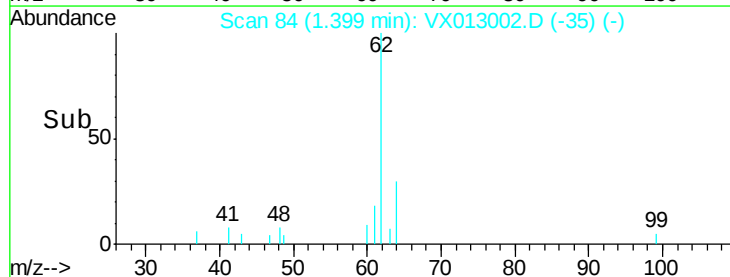
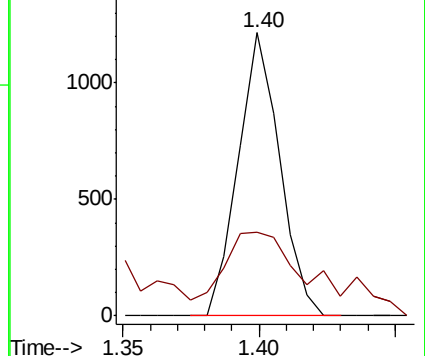
62 100

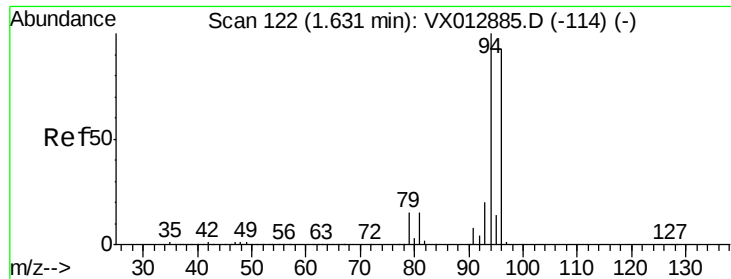
64 24.0 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.256 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

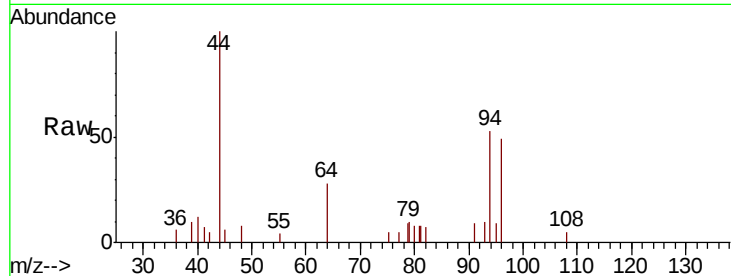
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 94 Resp: 951

Ion Ratio Lower Upper

94 100

96 92.0 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

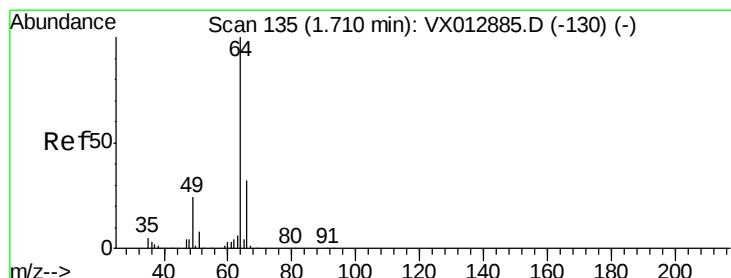
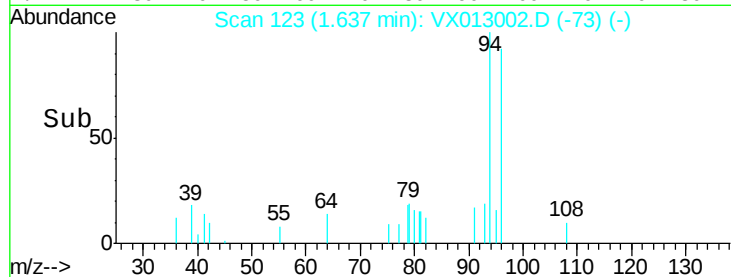
400

200

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 2.384 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013002.D

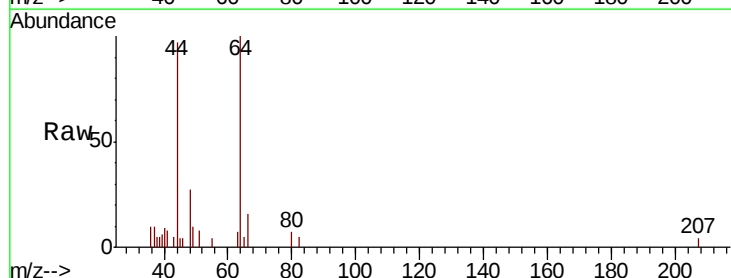
Acq: 10 Oct 2019 17:40

Tgt Ion: 64 Resp: 2261

Ion Ratio Lower Upper

64 100

66 24.9 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

1500

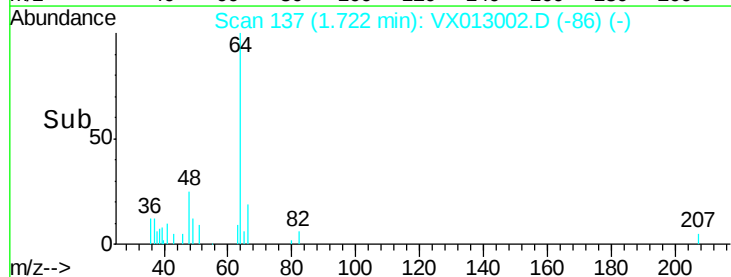
1000

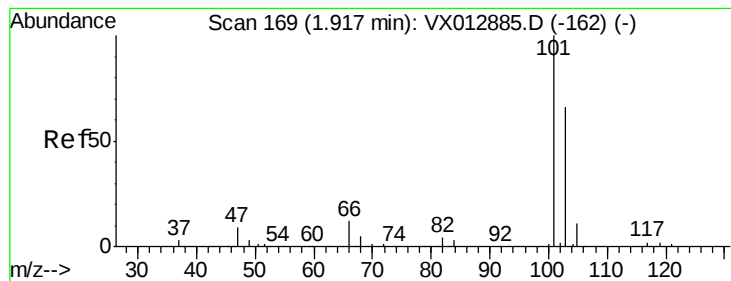
500

0

1.65 1.70 1.75 1.80

Time-->





#7

Trichlorofluoromethane

Concen: 0.728 ug/l

RT: 1.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

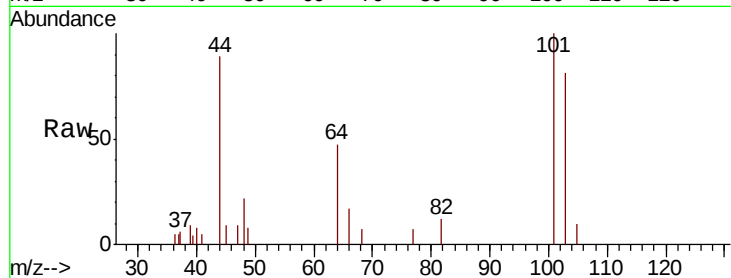
LOD-MDL-WATER-01-QT4-2019

Tot Ion:101 Resp: 1789

Ion Ratio Lower Upper

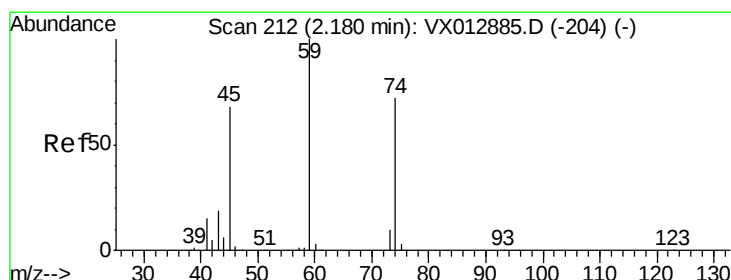
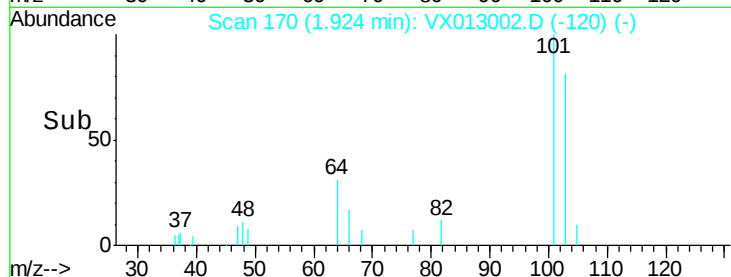
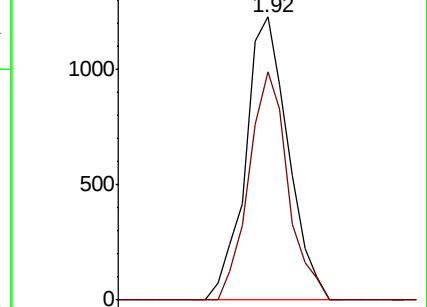
101 100

103 80.8 52.5 78.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.824 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX013002.D

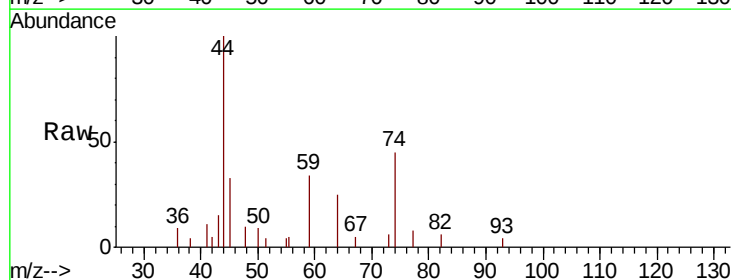
Acq: 10 Oct 2019 17:40

Tgt Ion: 74 Resp: 818

Ion Ratio Lower Upper

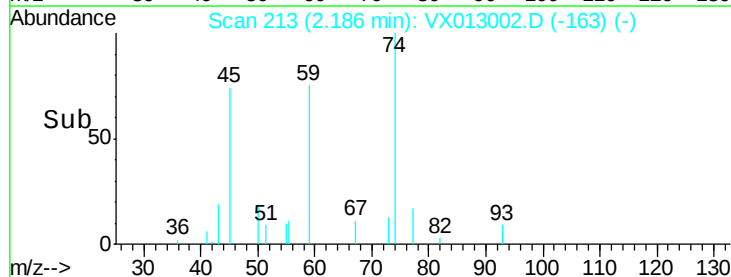
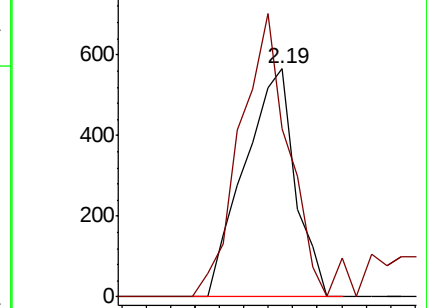
74 100

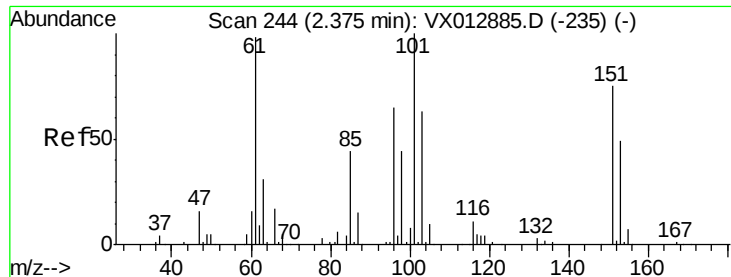
45 116.7 47.8 143.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.703 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

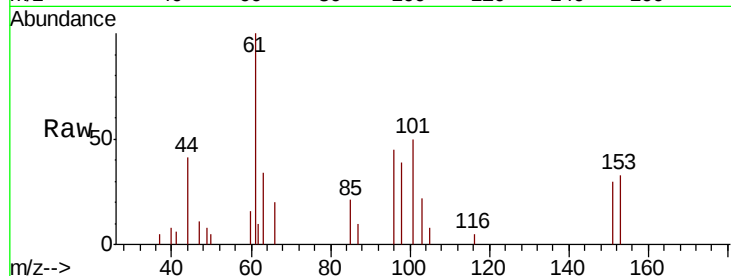
Tot Ion:101 Resp: 1119

Ion Ratio Lower Upper

101 100

85 52.1 35.2 52.8

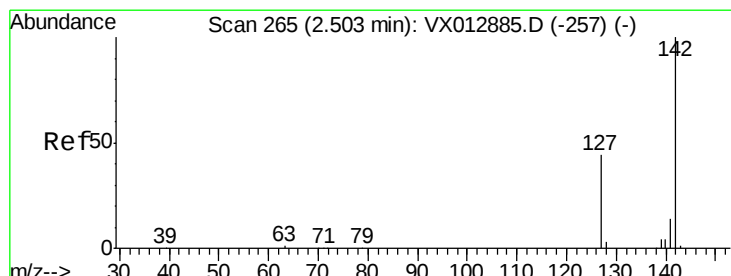
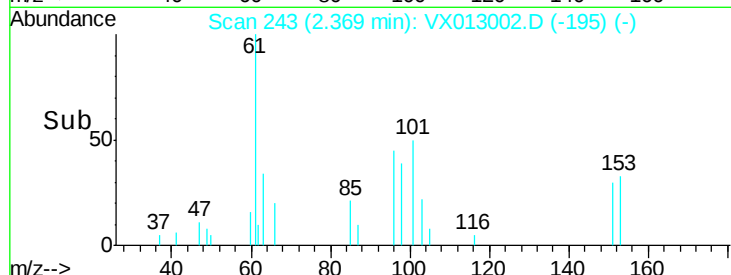
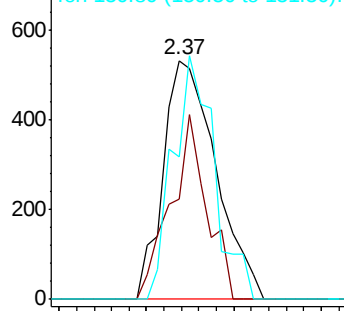
151 79.4 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.456 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

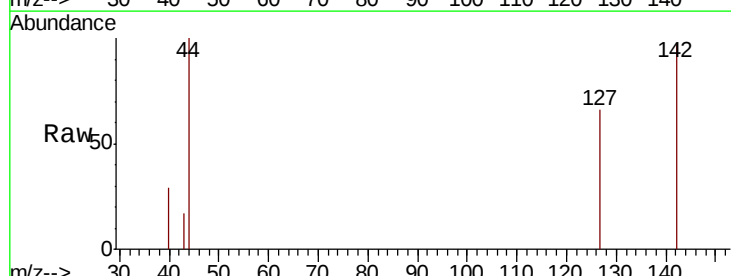
Tgt Ion:142 Resp: 751

Ion Ratio Lower Upper

142 100

127 51.5 34.9 52.3

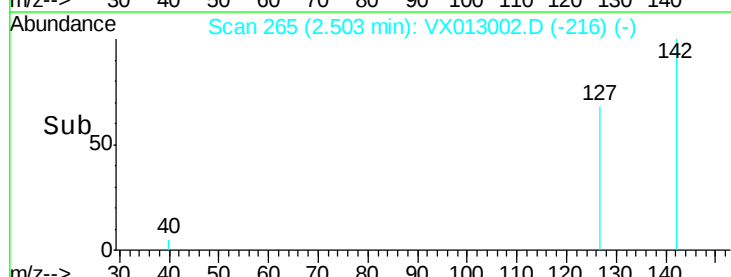
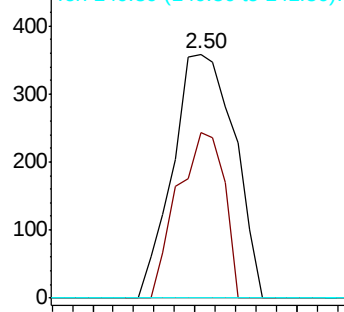
141 0.0 11.6 17.4#

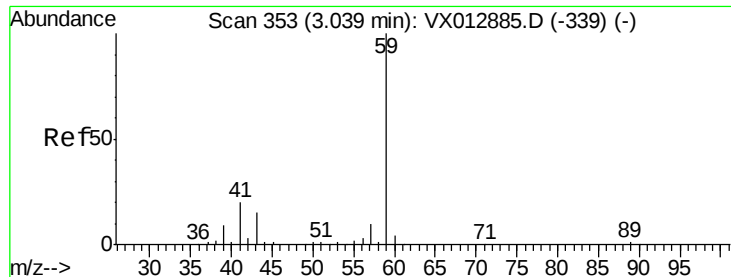


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

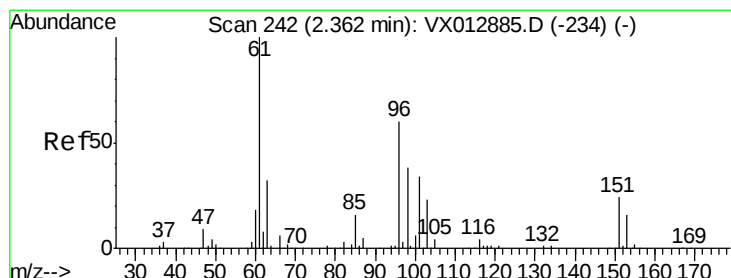
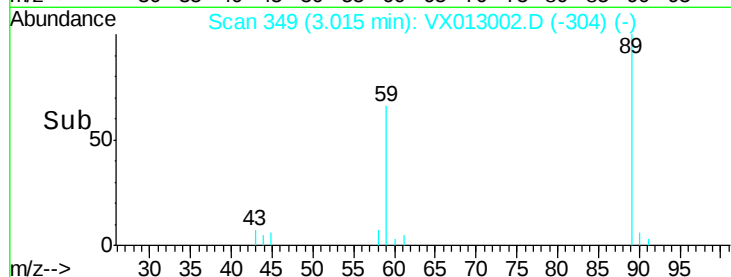
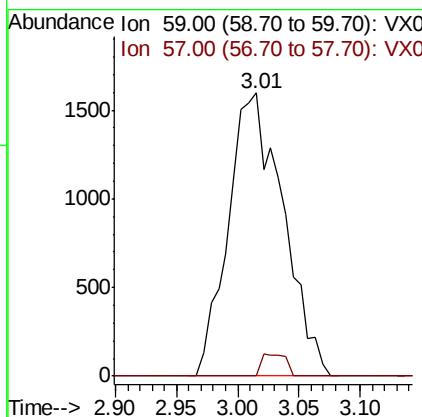
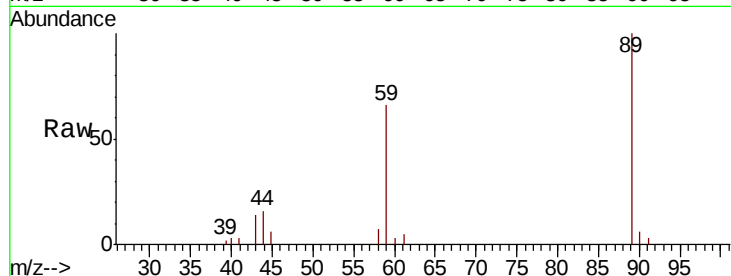




#11
Tert butvl alcohol
Concen: 9.391 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

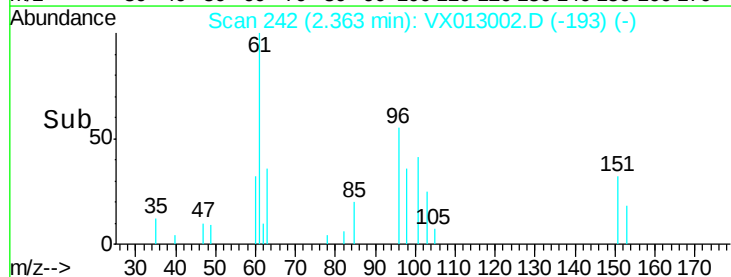
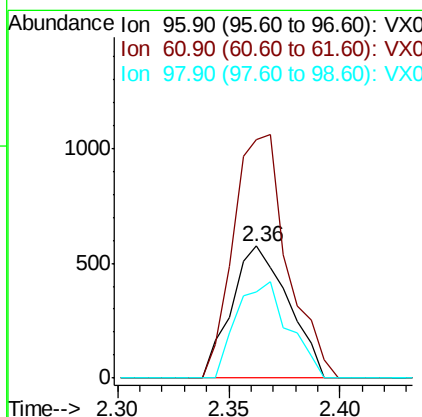
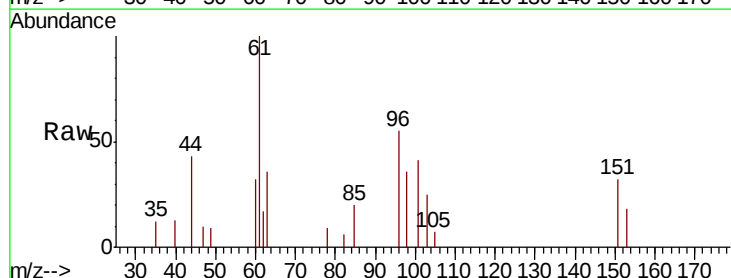
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

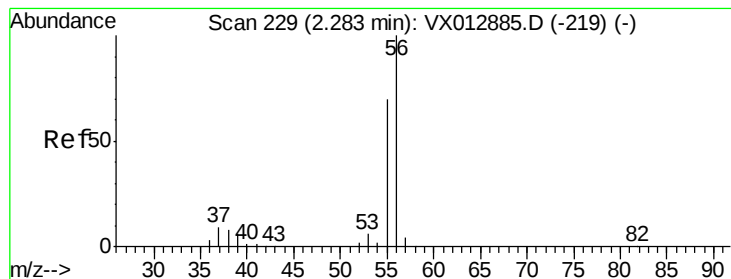
Tot Ion: 59 Resp: 4951
Ion Ratio Lower Upper
59 100
57 3.5 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.632 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion: 96 Resp: 1017
Ion Ratio Lower Upper
96 100
61 181.5 132.2 198.4
98 65.8 50.5 75.7





#13

Acrolein

Concen: 3.523 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

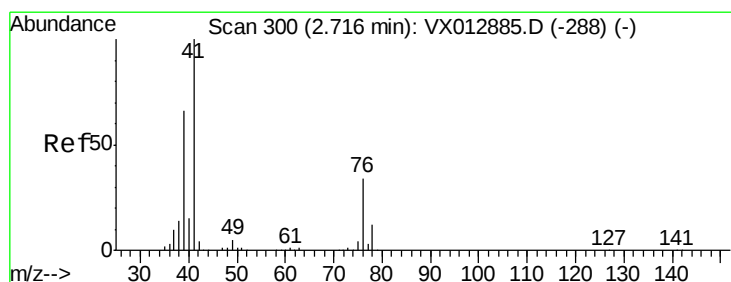
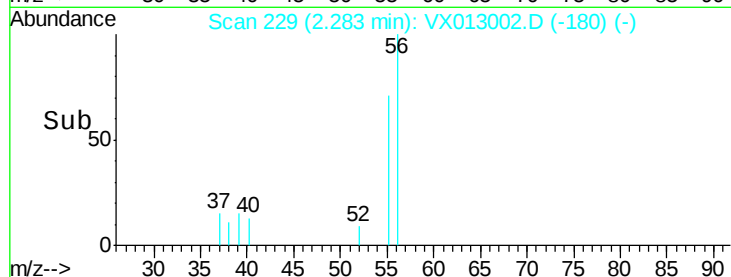
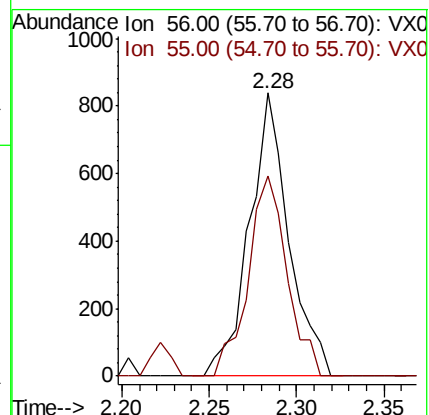
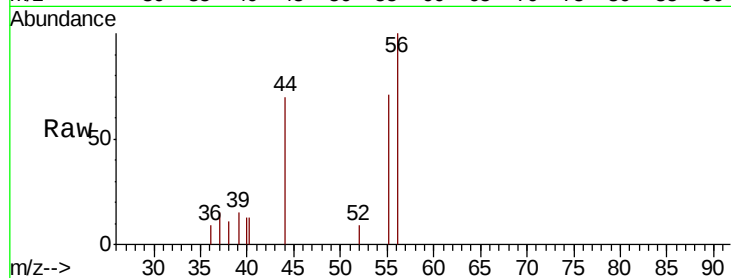
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 56 Resp: 1320

Ion Ratio Lower Upper

56 100

55 69.2 56.6 85.0



#14

Allyl chloride

Concen: 0.636 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

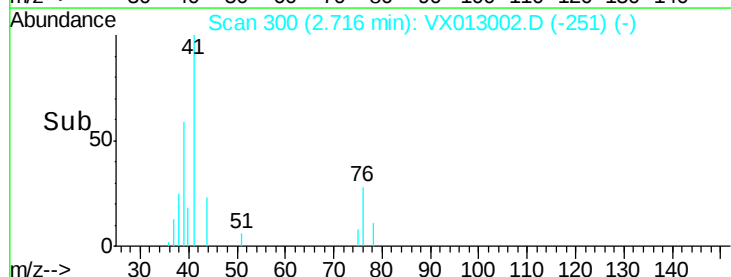
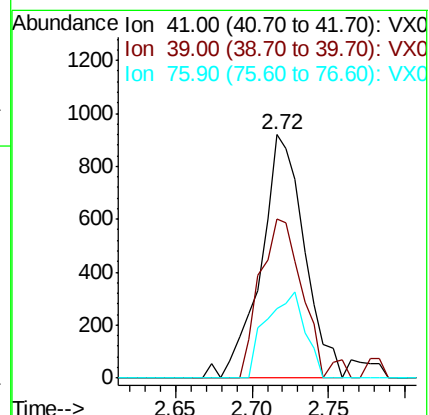
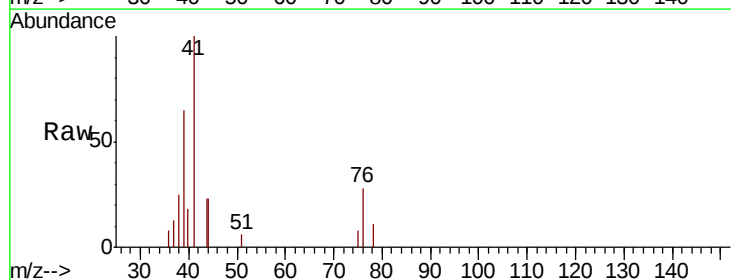
Tgt Ion: 41 Resp: 1822

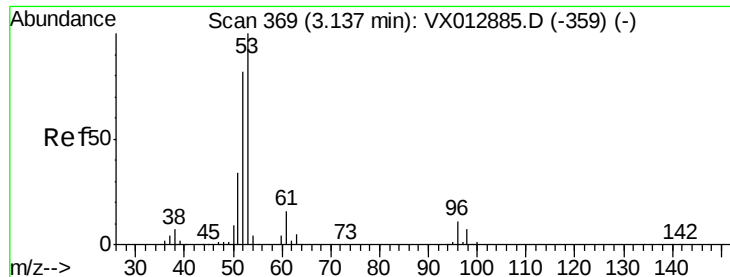
Ion Ratio Lower Upper

41 100

39 64.8 51.0 76.6

76 31.5 26.2 39.4





#15

Acrylonitrile

Concen: 3.323 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

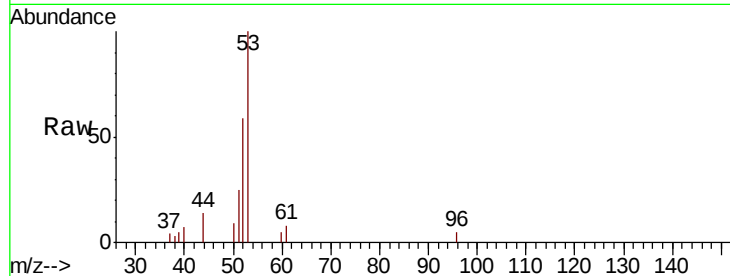
Tot Ion: 53 Resp: 3320

Ion Ratio Lower Upper

53 100

52 85.6 66.2 99.2

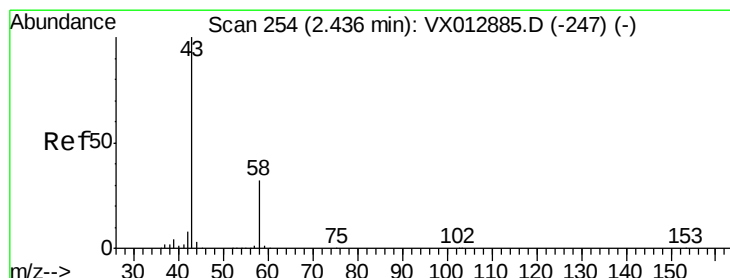
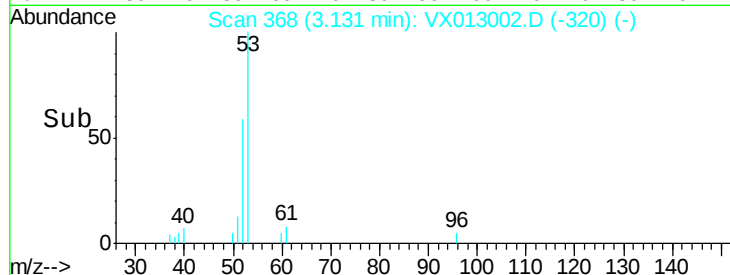
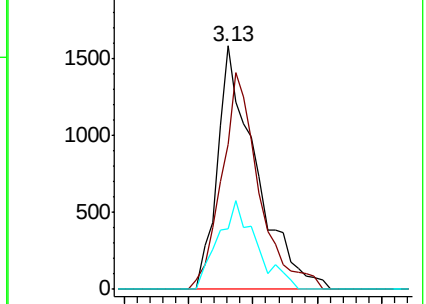
51 36.2 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.718 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013002.D

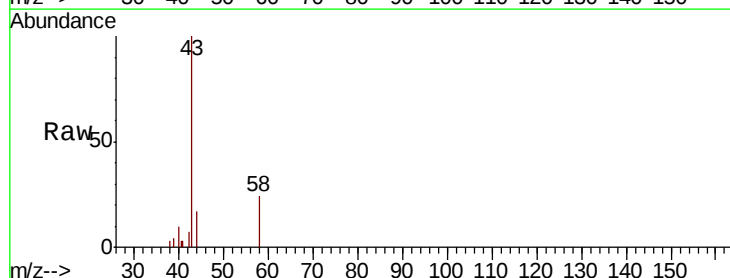
Acq: 10 Oct 2019 17:40

Tgt Ion: 43 Resp: 3897

Ion Ratio Lower Upper

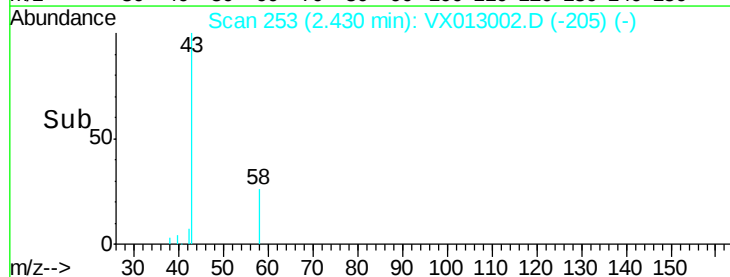
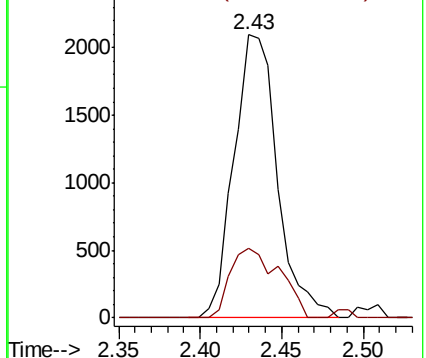
43 100

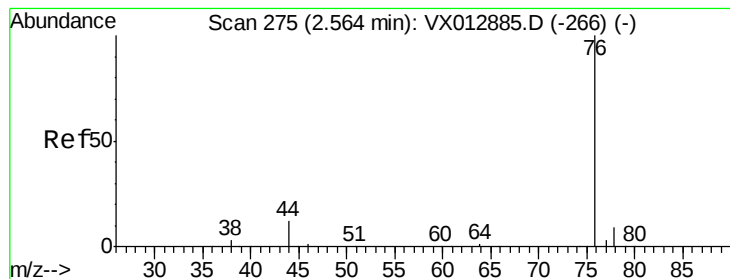
58 24.5 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.591 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

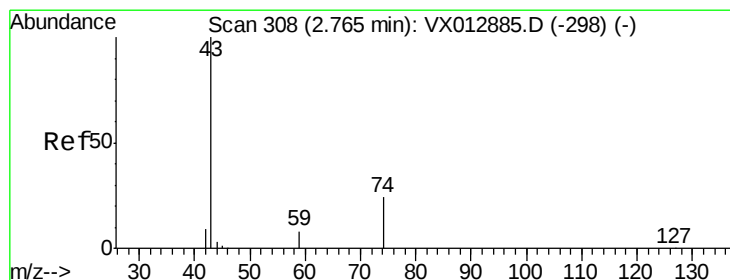
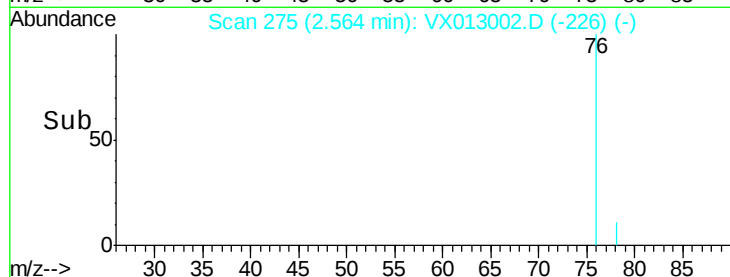
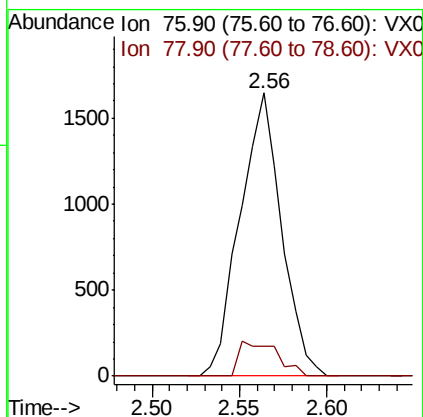
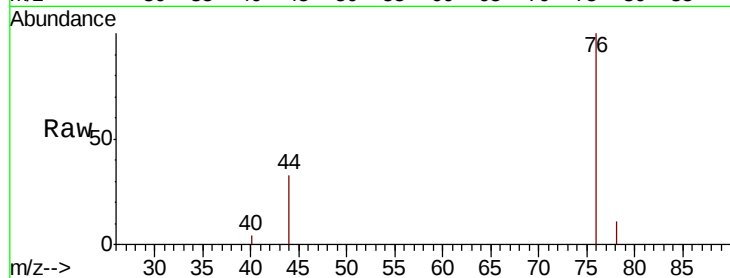
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 76 Resp: 2712

Ion Ratio Lower Upper

76 100

78 10.7 7.1 10.7#



#18

Methyl Acetate

Concen: 0.739 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013002.D

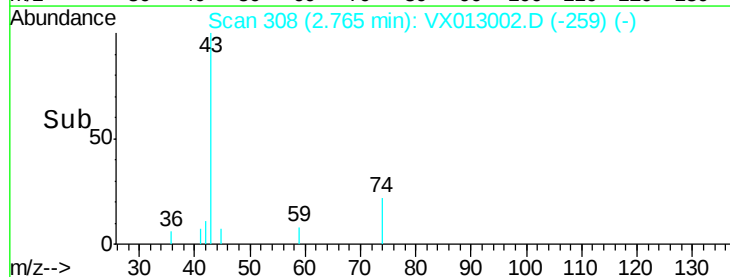
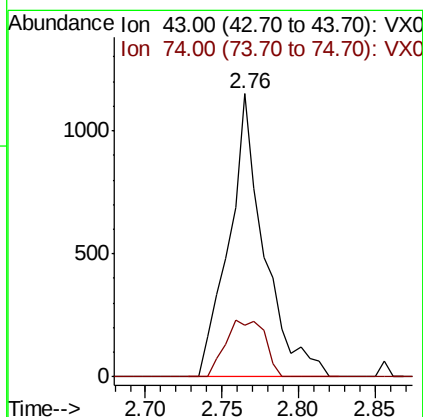
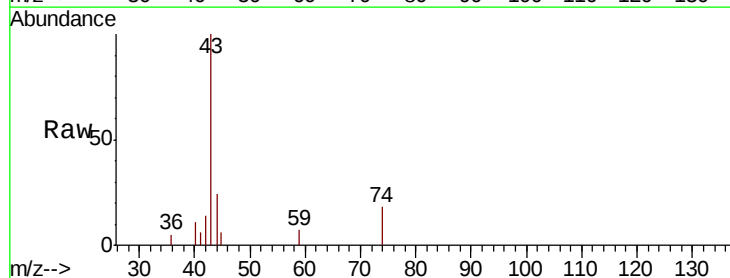
Acq: 10 Oct 2019 17:40

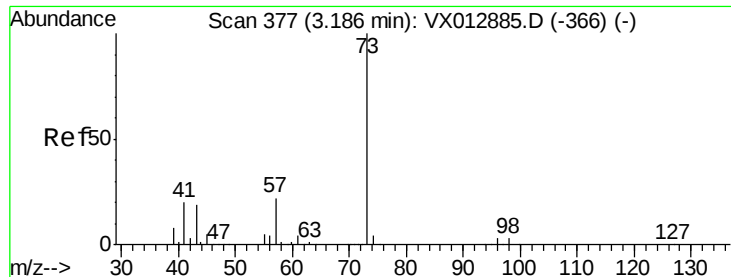
Tgt Ion: 43 Resp: 1835

Ion Ratio Lower Upper

43 100

74 22.1 19.2 28.8

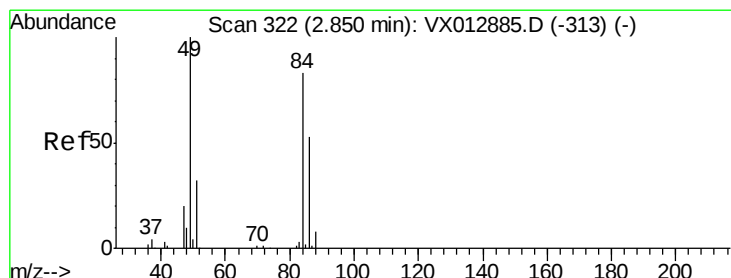
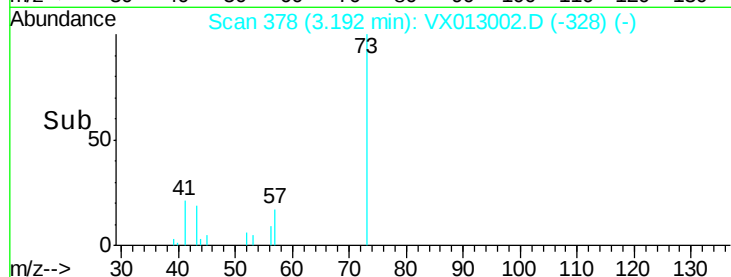
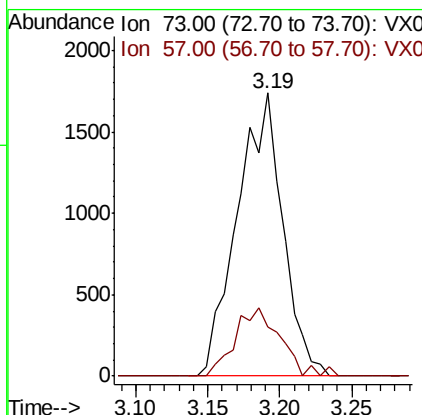
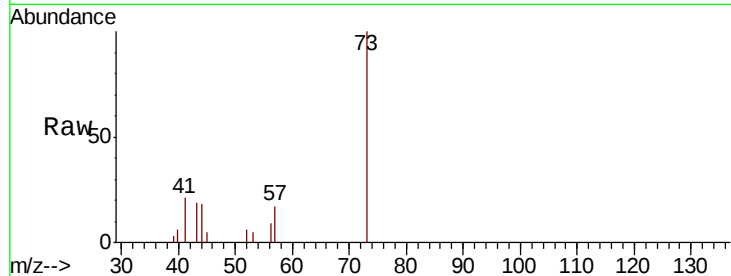




#19
Methyl tert-butyl Ether
Concen: 0.685 ug/l
RT: 3.19 min Scan# 378
Delta R.T. 0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

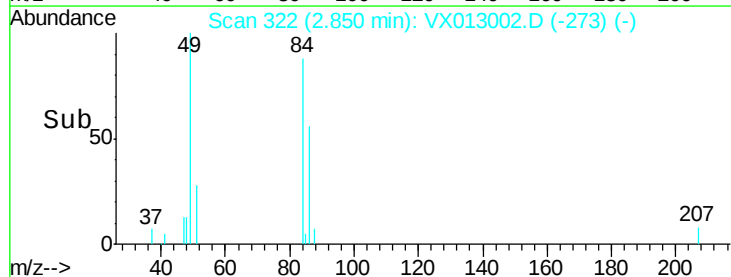
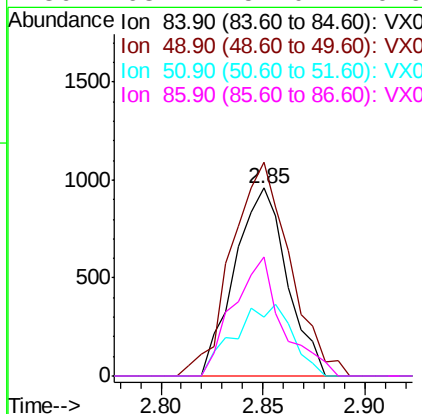
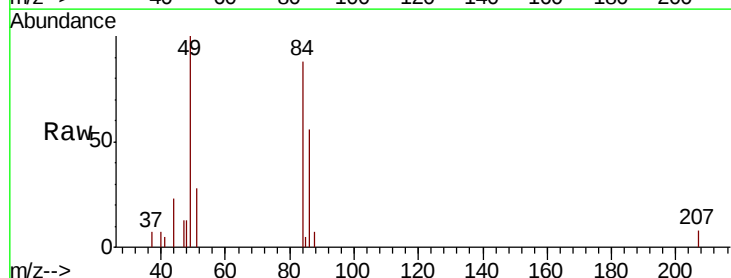
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

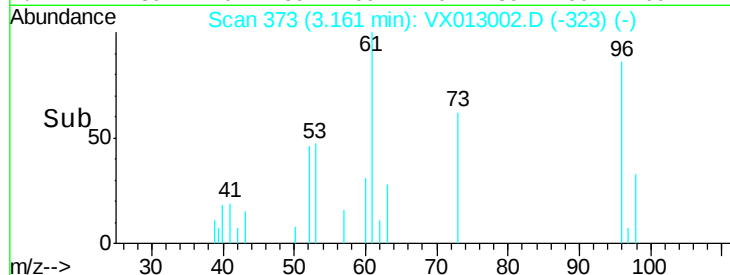
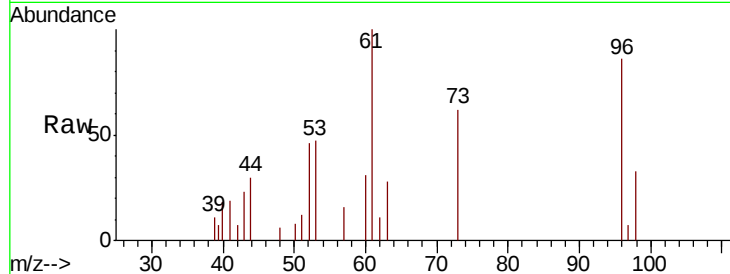
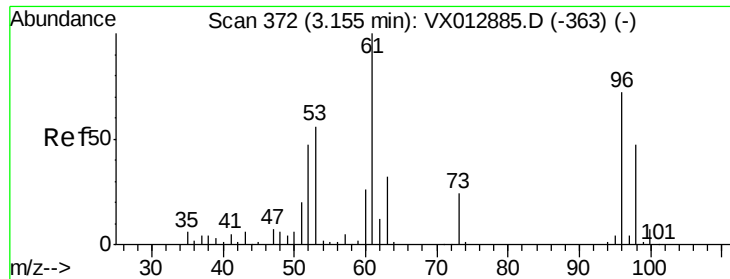
Tot Ion: 73 Resp: 3804
Ion Ratio Lower Upper
73 100
57 17.5 17.8 26.6#



#20
Methylene Chloride
Concen: 0.889 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion: 84 Resp: 1712
Ion Ratio Lower Upper
84 100
49 108.1 96.6 144.8
51 31.6 30.7 46.1
86 63.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 0.774 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

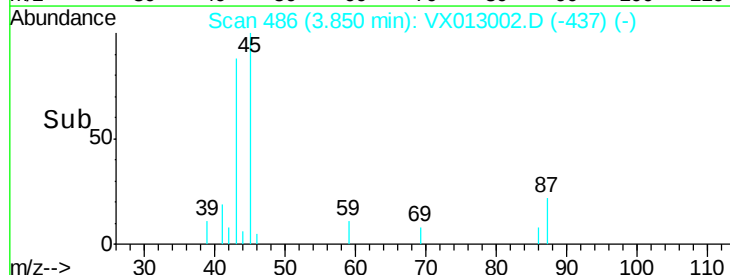
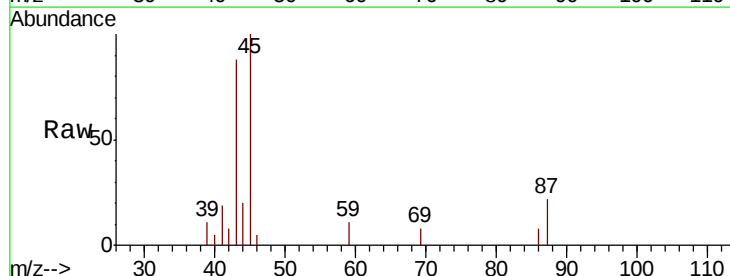
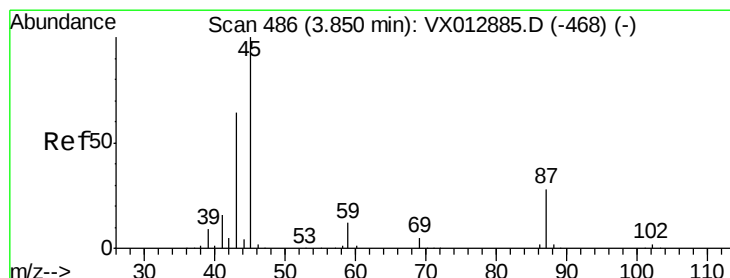
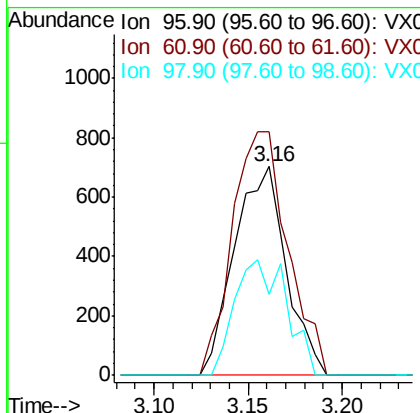
Tot Ion: 96 Resp: 1334

Ion Ratio Lower Upper

96 100

61 116.6 110.4 165.6

98 38.8 51.5 77.3#



#22

Diisopropyl ether

Concen: 0.692 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Tgt Ion: 45 Resp: 3796

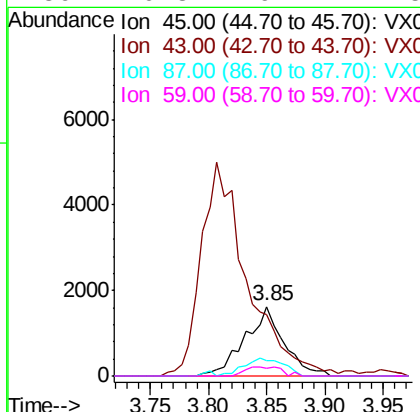
Ion Ratio Lower Upper

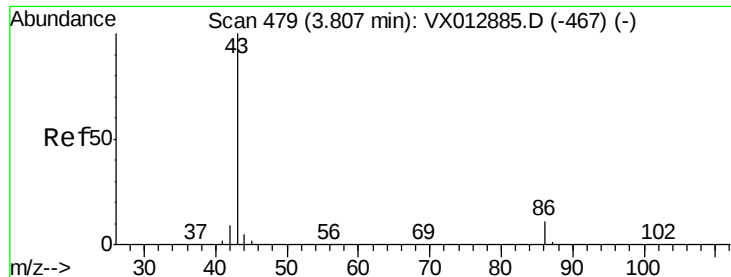
45 100

43 83.2 51.4 77.0#

87 22.3 22.5 33.7#

59 10.8 9.7 14.5





#23

Vinyl Acetate

Concen: 2.890 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

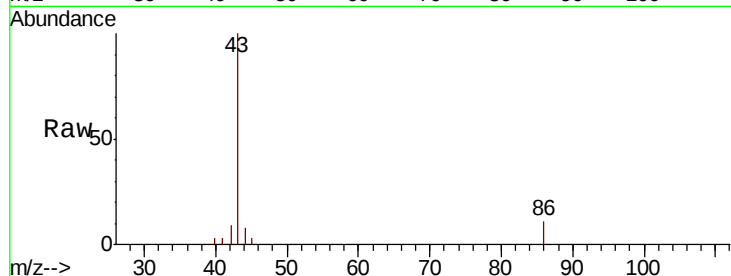
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 13690

Ion Ratio Lower Upper

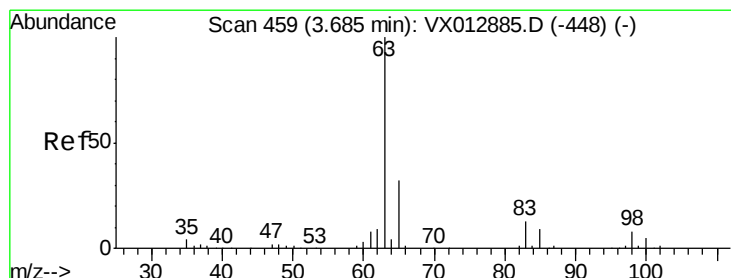
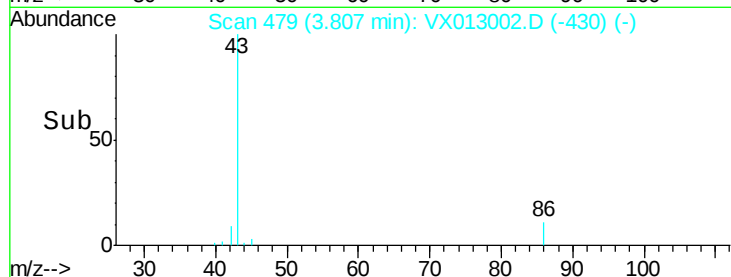
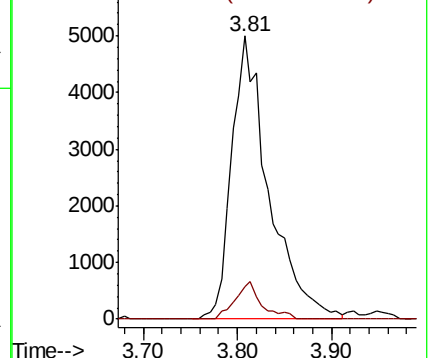
43 100

86 11.5 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.699 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

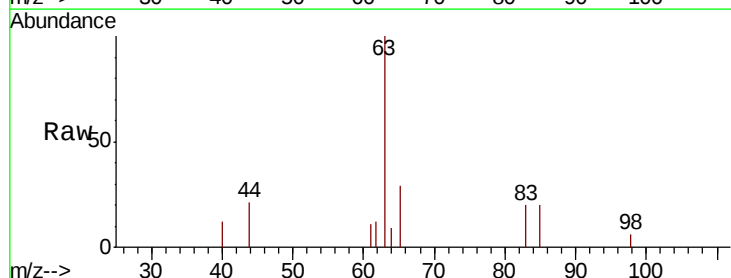
Tgt Ion: 63 Resp: 2159

Ion Ratio Lower Upper

63 100

98 6.4 3.9 11.5

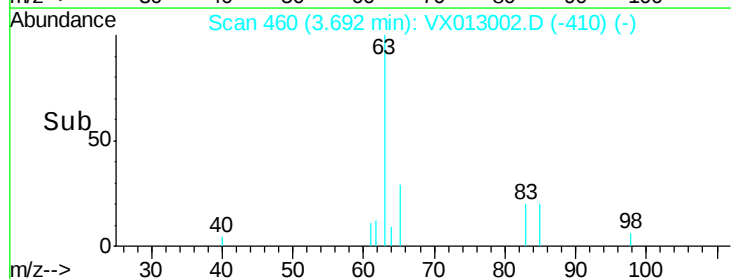
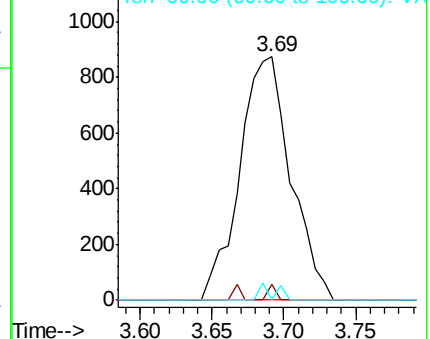
100 0.0 2.3 6.9#

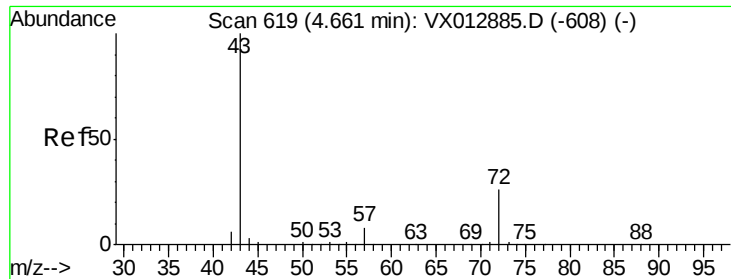


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 3.115 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

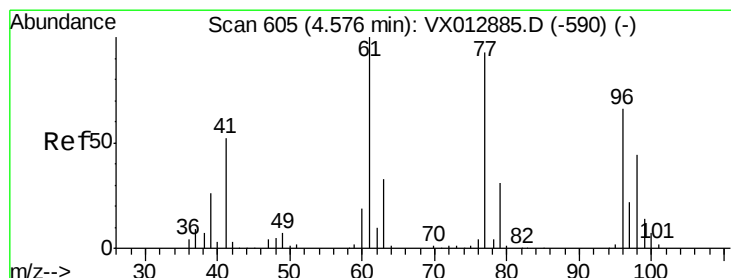
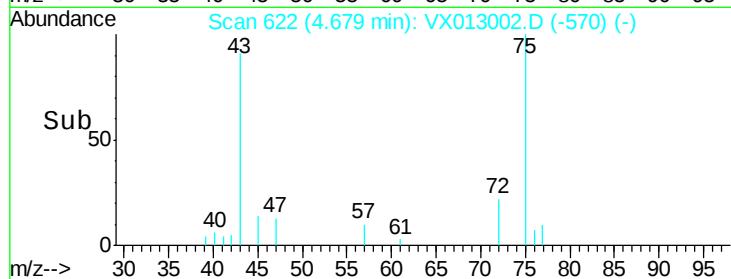
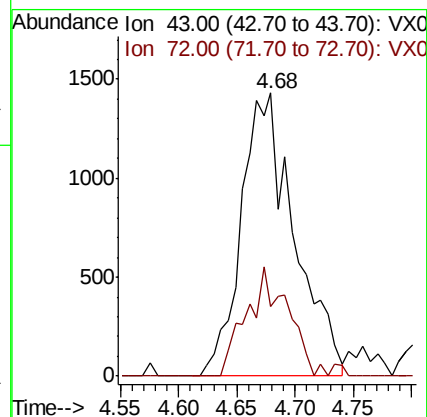
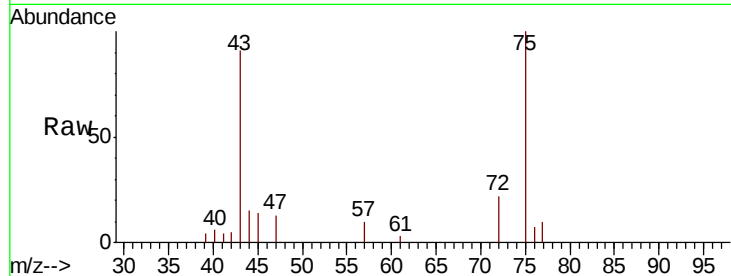
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 4530

Ion Ratio Lower Upper

43 100

72 24.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 0.573 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013002.D

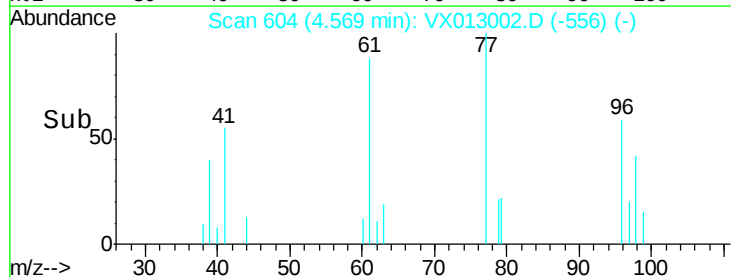
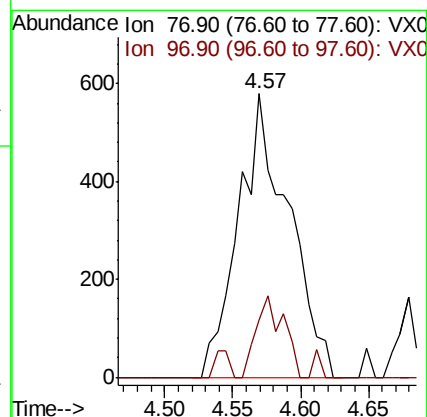
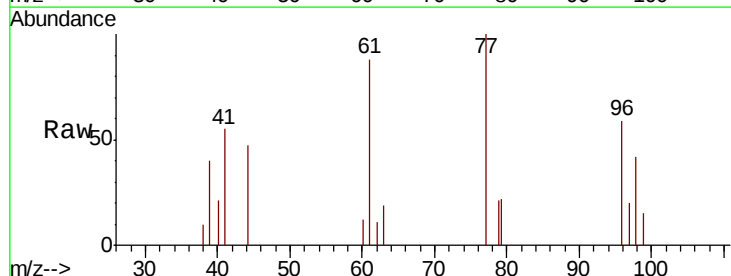
Acq: 10 Oct 2019 17:40

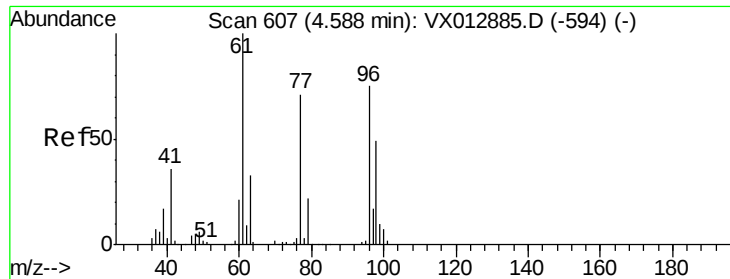
Tgt Ion: 77 Resp: 1488

Ion Ratio Lower Upper

77 100

97 15.7 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 0.785 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

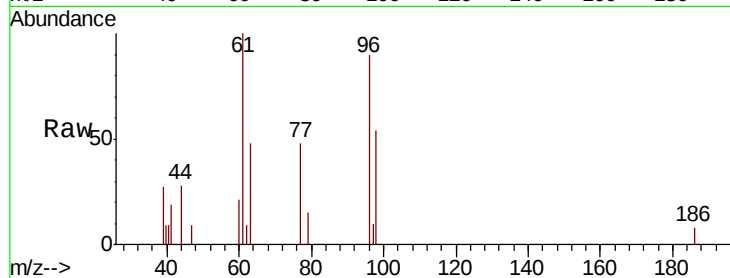
Tot Ion: 96 Resp: 1559

Ion Ratio Lower Upper

96 100

61 147.0 0.0 290.6

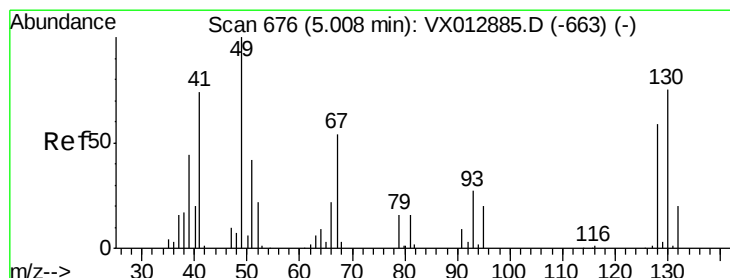
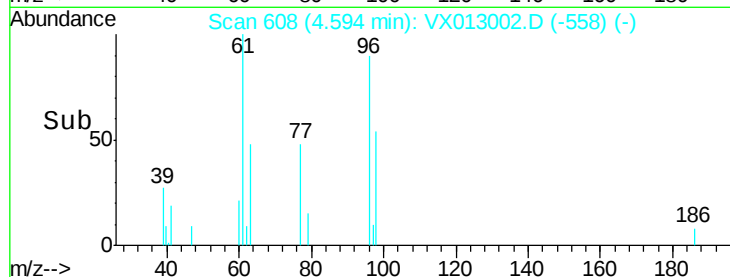
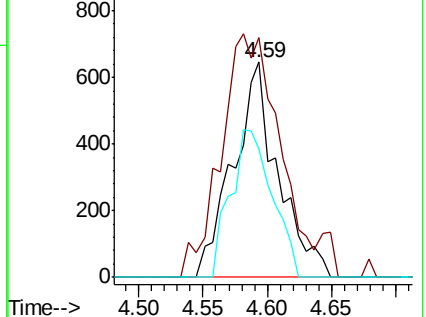
98 64.0 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 0.347 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

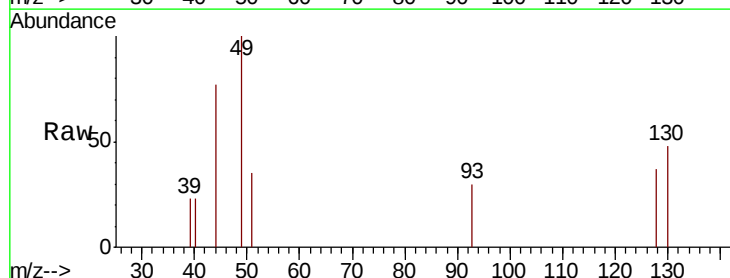
Tgt Ion: 49 Resp: 730

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

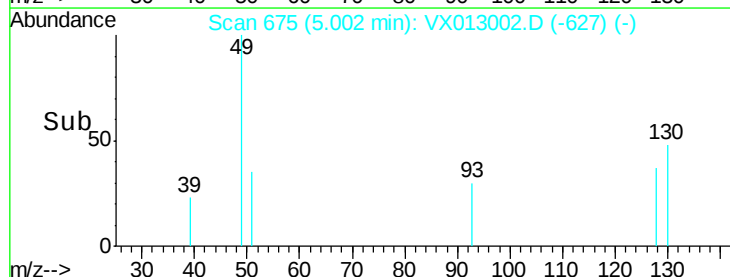
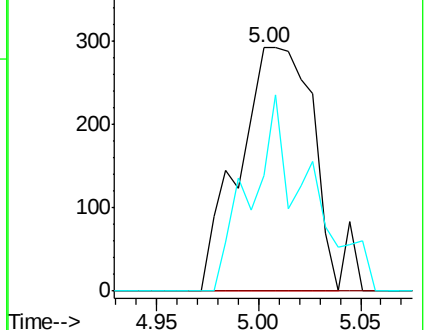
130 64.7 62.1 93.1

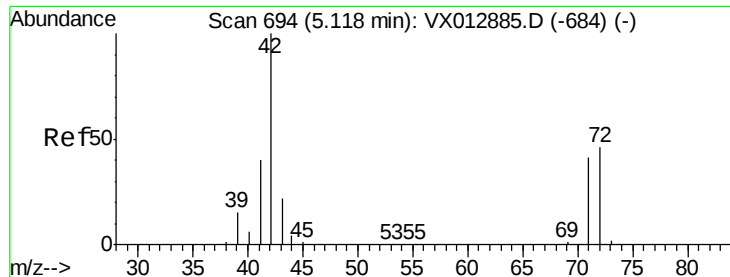


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

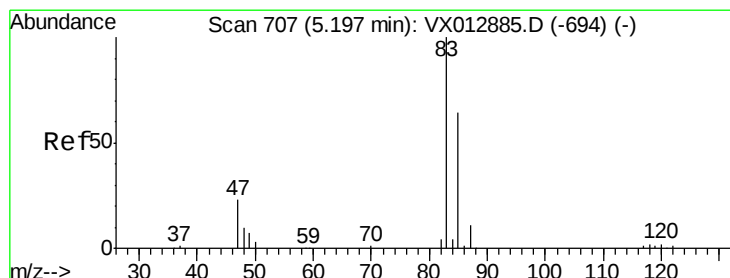
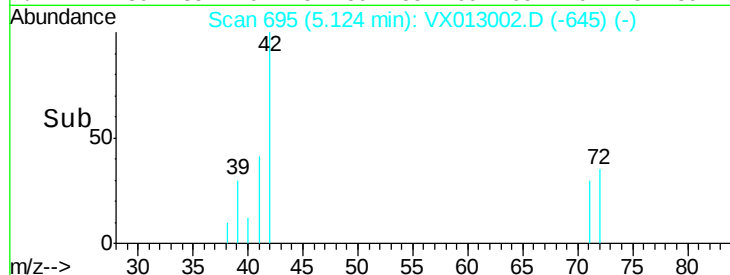
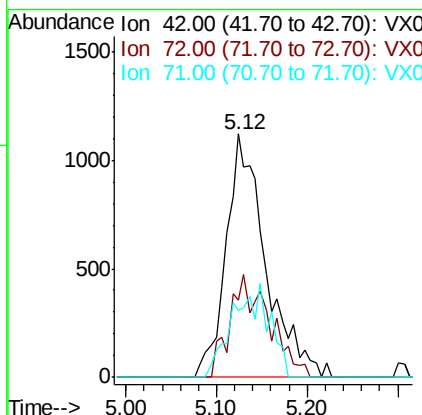
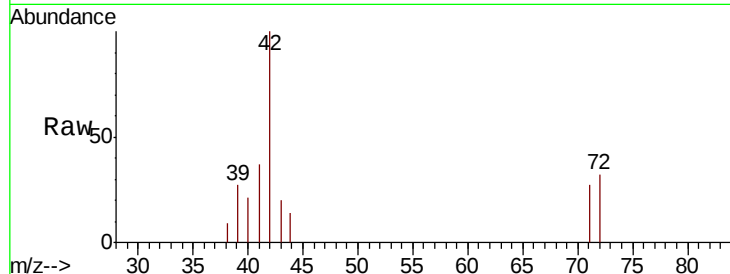




#29
Tetrahydrofuran
Concen: 3.808 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

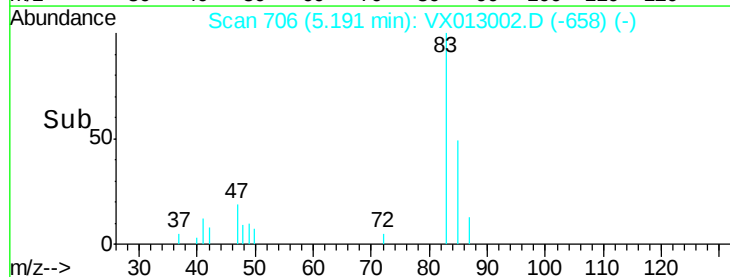
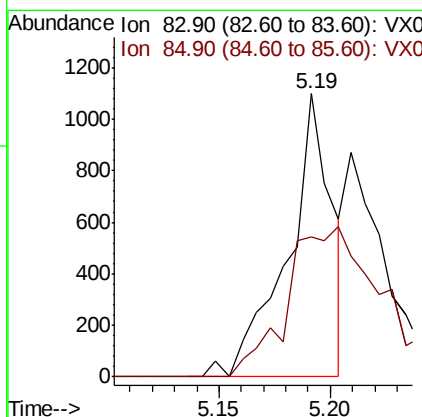
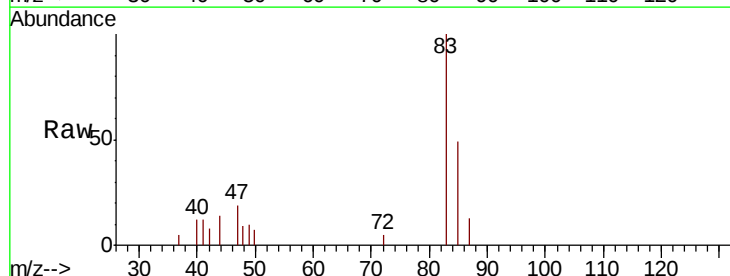
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

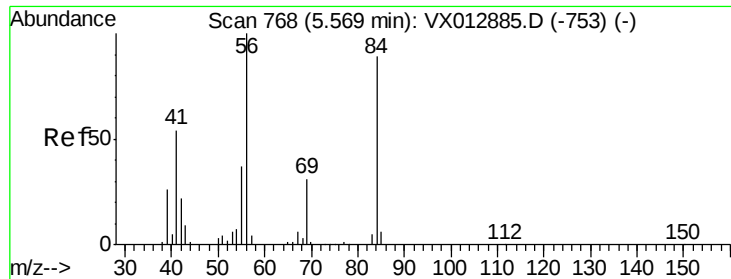
Tot Ion: 42 Resp: 3408
Ion Ratio Lower Upper
42 100
72 41.9 36.9 55.3
71 22.6 33.5 50.3#



#30
Chloroform
Concen: 0.481 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion: 83 Resp: 1523
Ion Ratio Lower Upper
83 100
85 49.4 51.5 77.3#





#31

Cyclohexane

Concen: 0.747 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

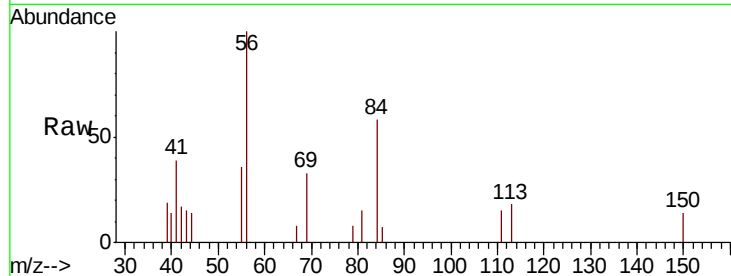
Tot Ion: 56 Resp: 2156

Ion Ratio Lower Upper

56 100

69 32.7 25.2 37.8

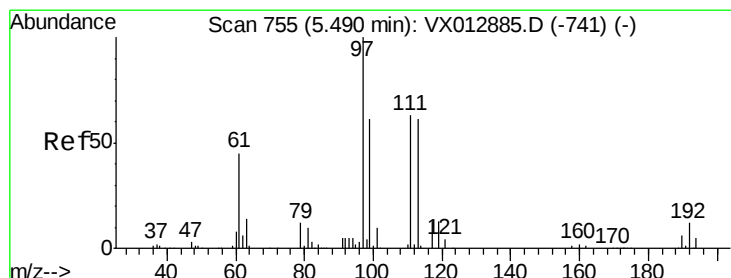
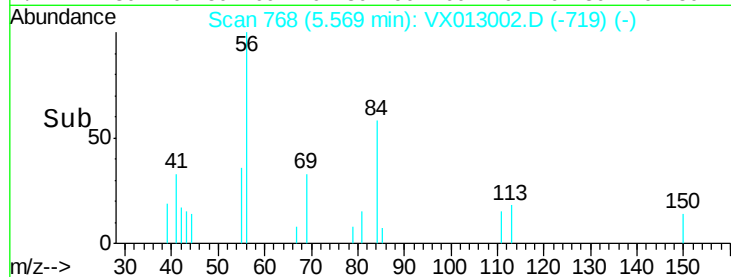
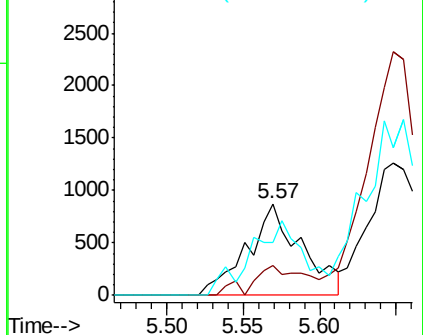
84 57.7 71.3 106.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 0.730 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

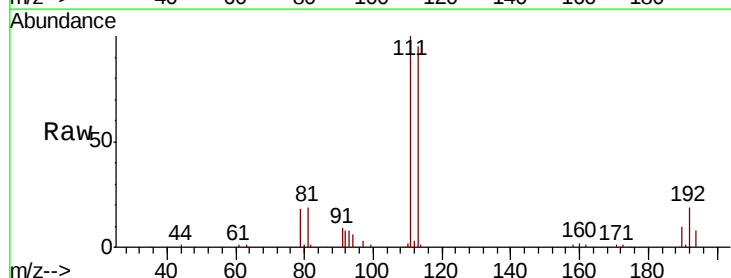
Tgt Ion: 97 Resp: 1958

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

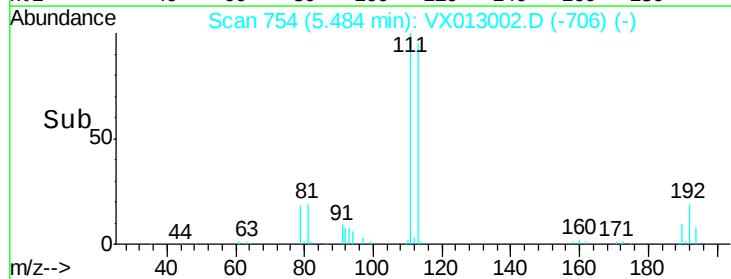
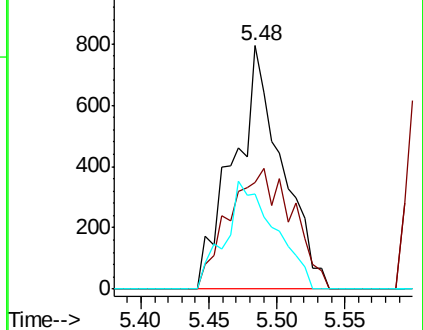
61 45.8 35.0 52.4

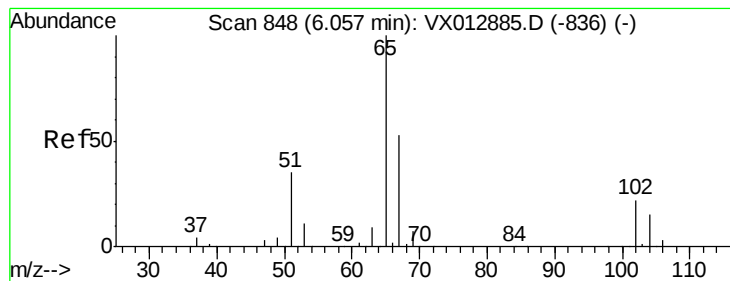


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.728 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

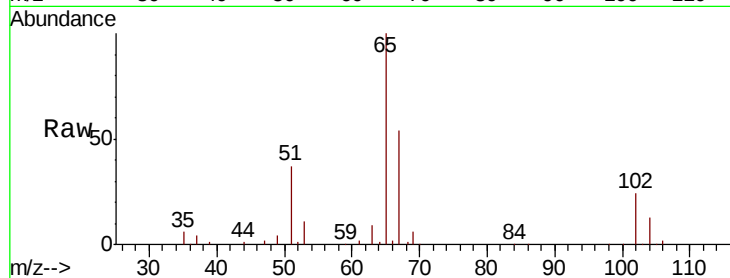
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 65 Resp: 100887

Ion Ratio Lower Upper

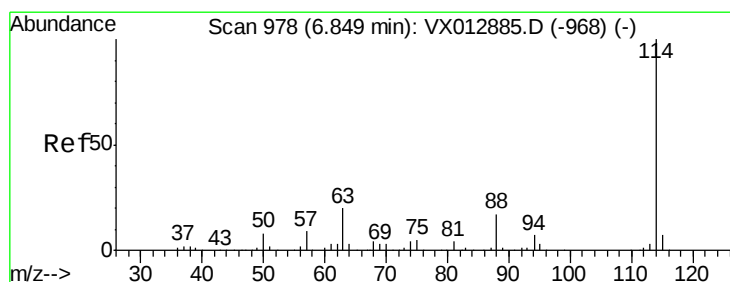
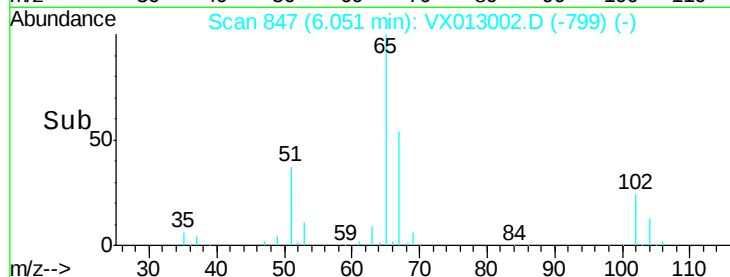
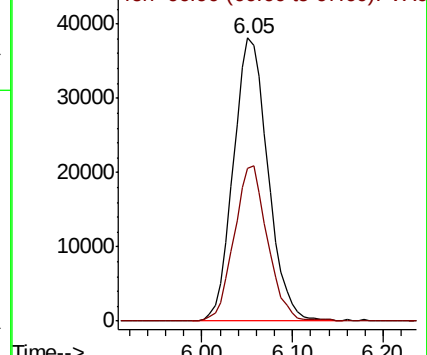
65 100

67 52.7 0.0 104.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

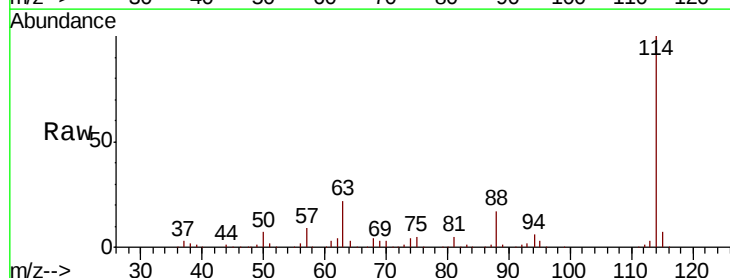
Tgt Ion: 114 Resp: 274099

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.8

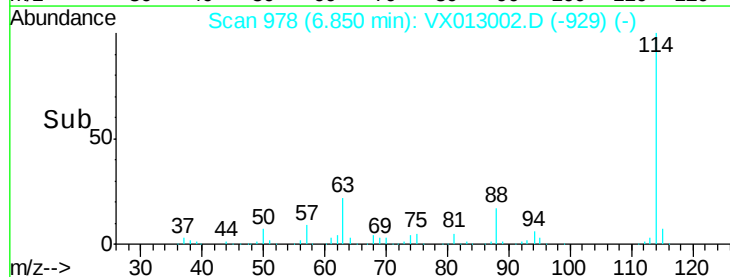
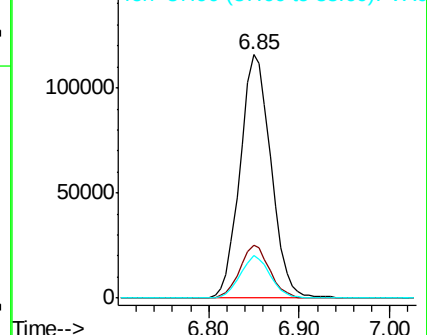
88 17.4 0.0 33.8

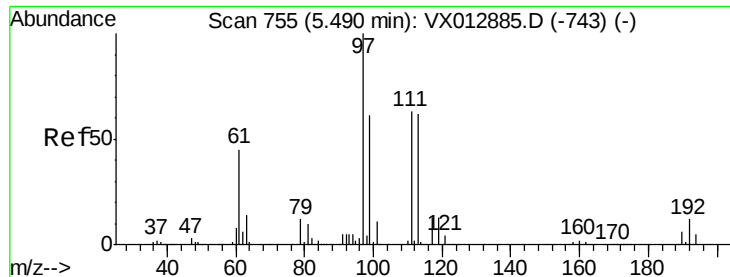


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

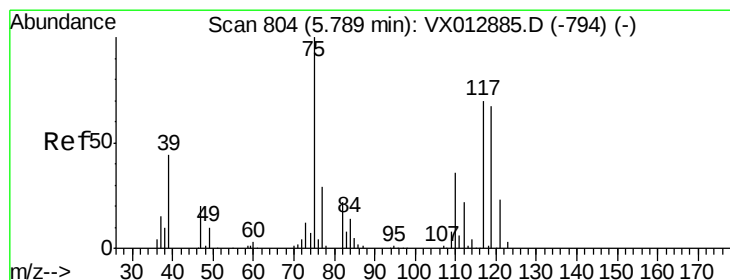
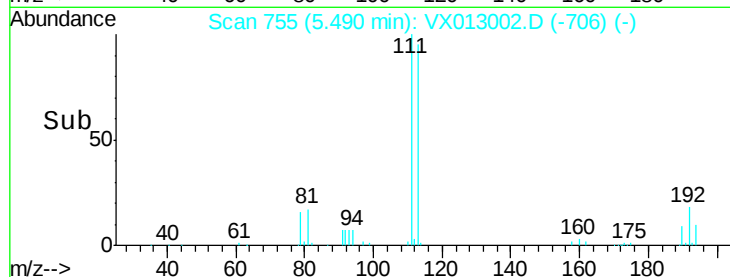
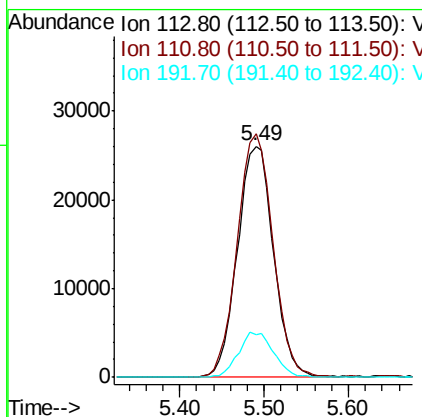
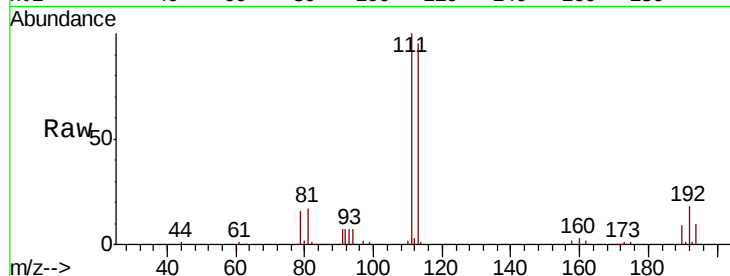




#35
 Dibromofluoromethane
 Concen: 48.009 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

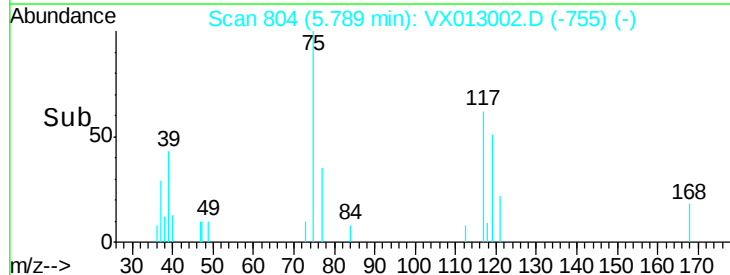
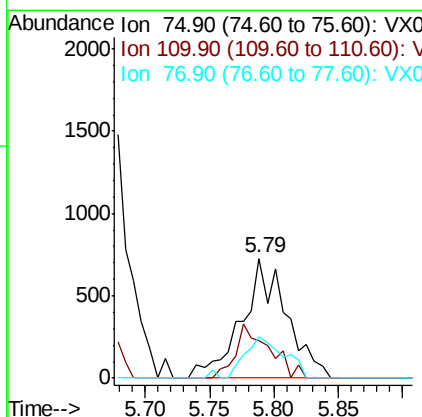
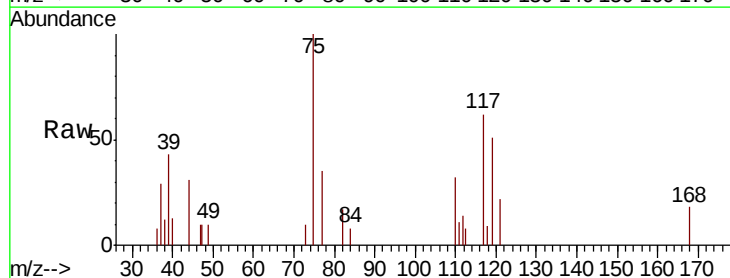
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

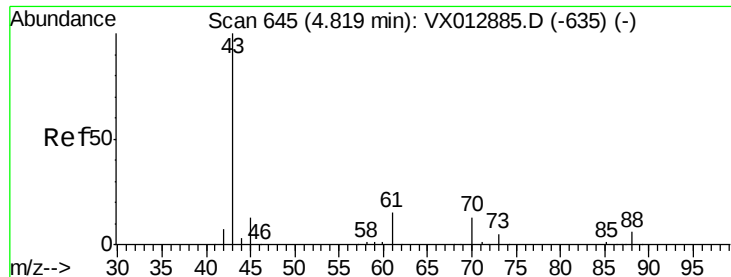
Tot Ion:113 Resp: 75527
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.2 124.8
 192 19.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 0.725 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

Tgt Ion: 75 Resp: 1746
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.6 52.9
 77 29.8 24.4 36.6

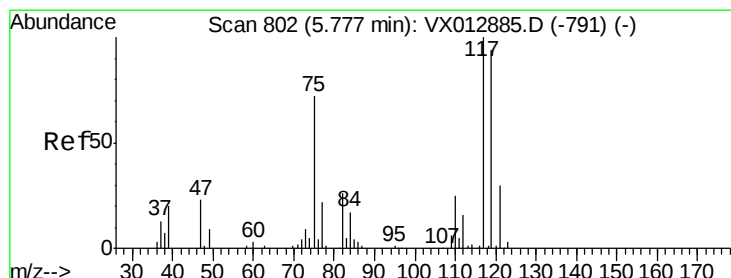
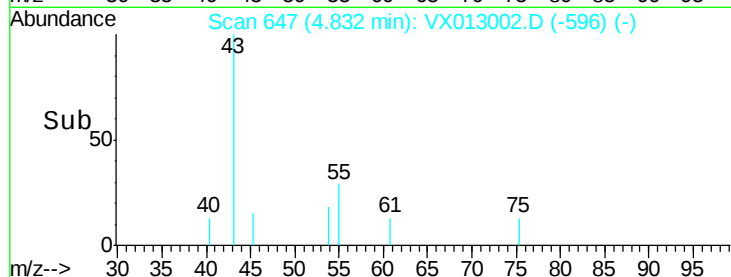
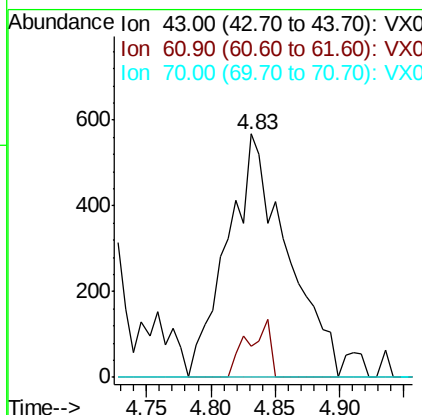
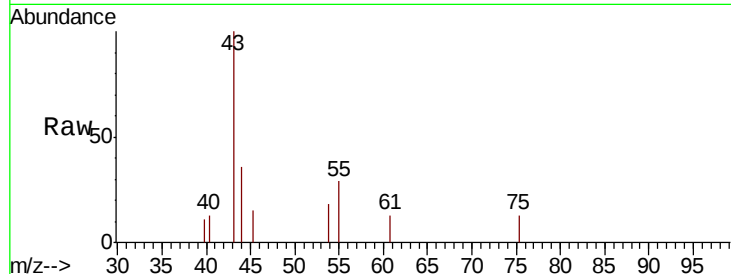




#37
Ethyl Acetate
Concen: 0.675 ug/l
RT: 4.83 min Scan# 647
Delta R.T. 0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

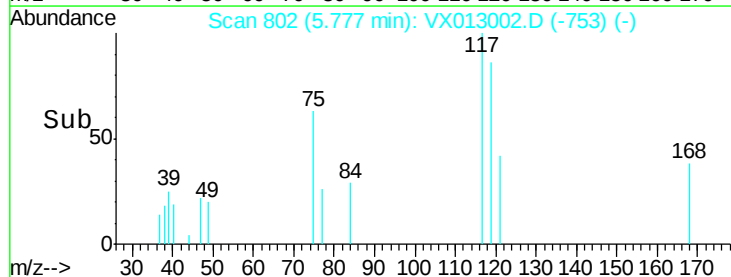
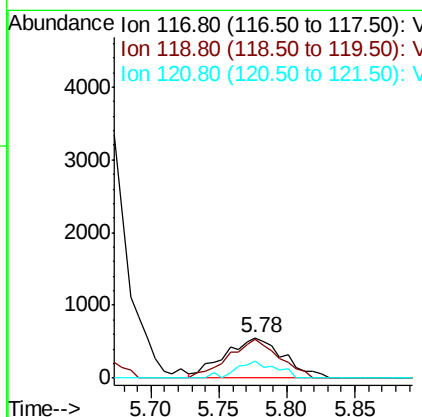
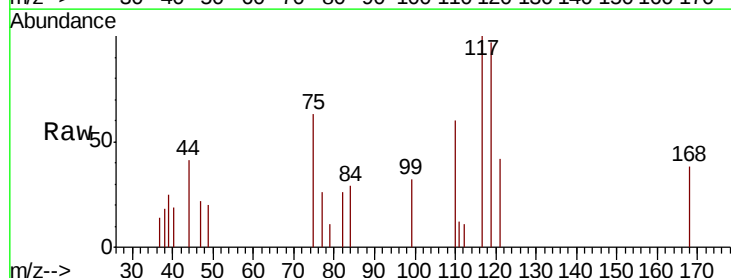
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

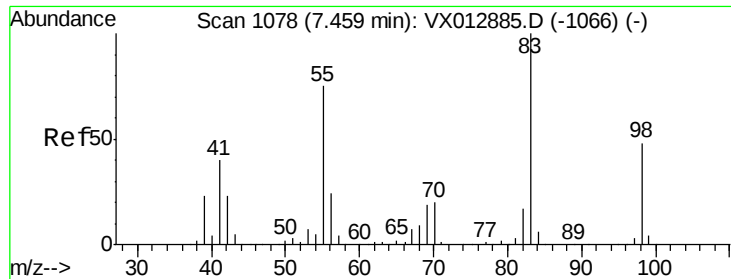
Tot Ion: 43 Resp: 1819
Ion Ratio Lower Upper
43 100
61 8.9 11.4 17.0#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 0.713 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion: 117 Resp: 1673
Ion Ratio Lower Upper
117 100
119 97.5 74.5 111.7
121 41.9 24.2 36.4#

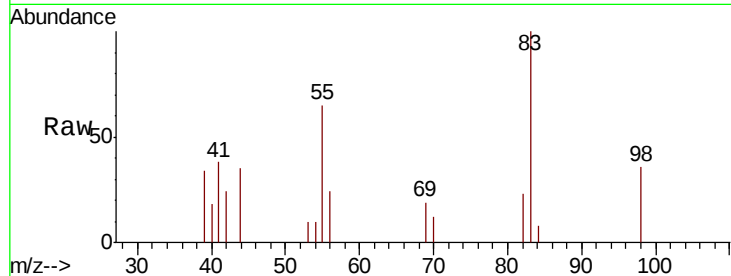




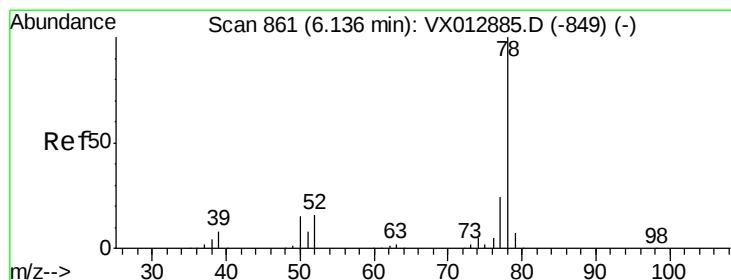
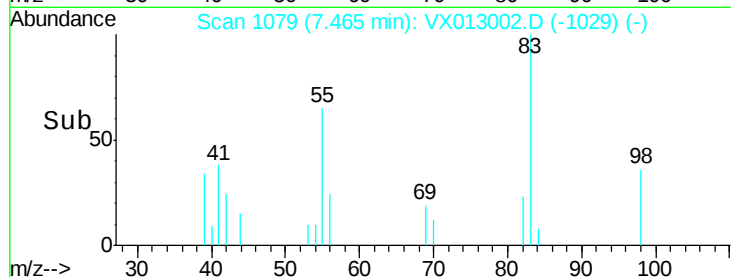
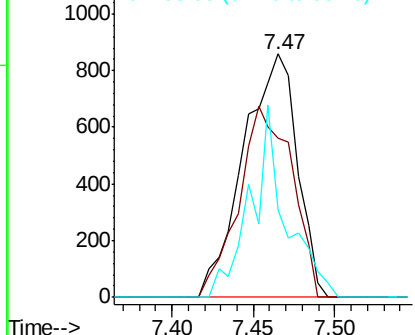
#39
Methvlcvclohexane
Concen: 0.670 ug/l
RT: 7.47 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 83 Resp: 1957
Ion Ratio Lower Upper
83 100
55 65.3 60.2 90.4
98 36.1 38.5 57.7#

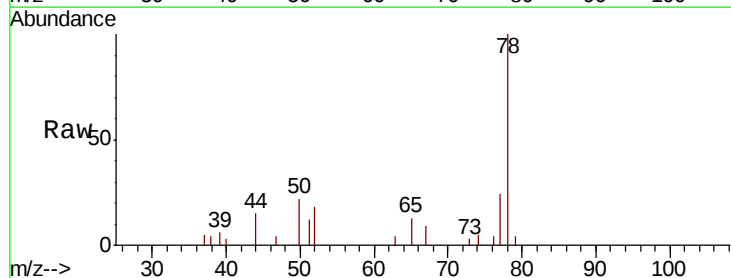


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

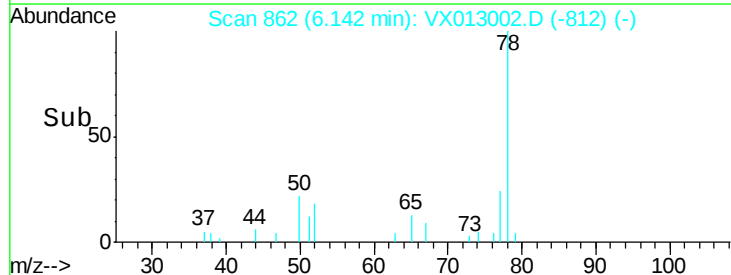
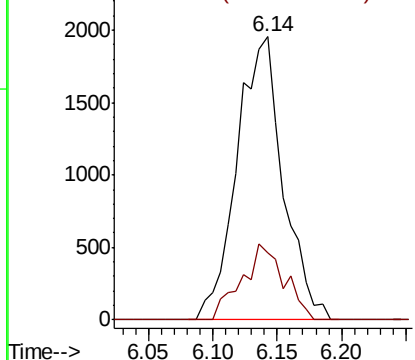


#40
Benzene
Concen: 0.681 ug/l
RT: 6.14 min Scan# 862
Delta R.T. 0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion: 78 Resp: 4847
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

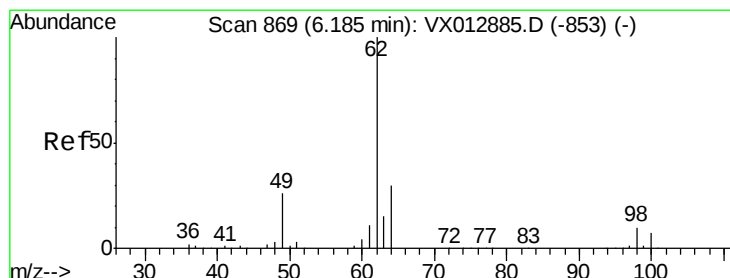
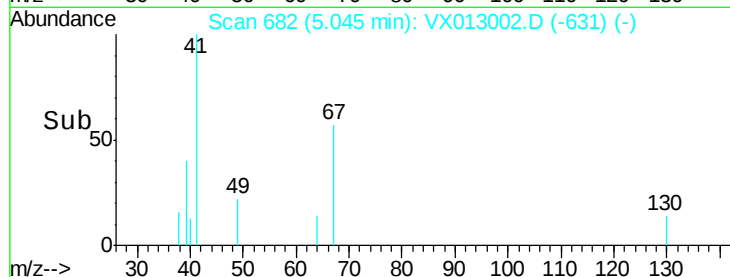
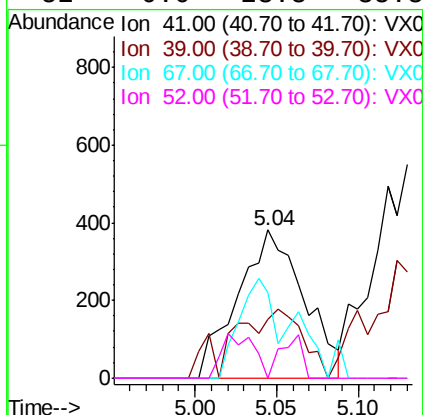
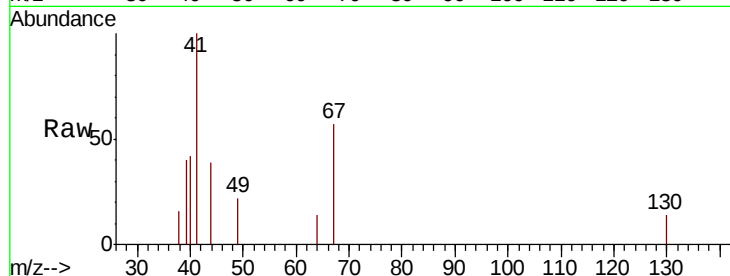




#41
Methacrylonitrile
Concen: 0.728 ug/l
RT: 5.04 min Scan# 682
Delta R.T. 0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

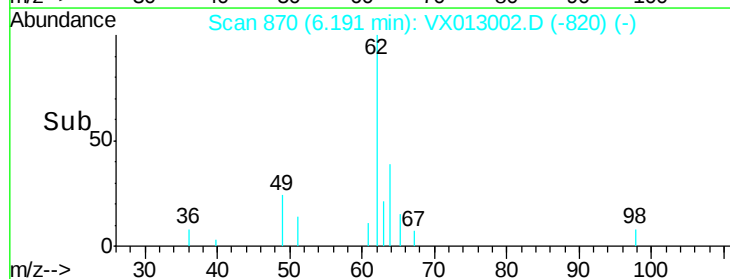
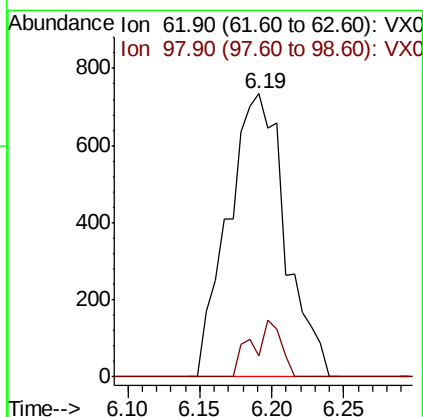
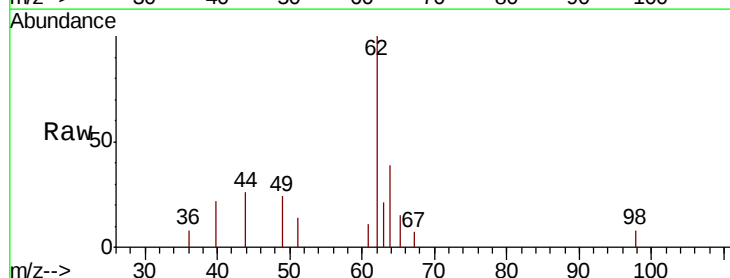
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

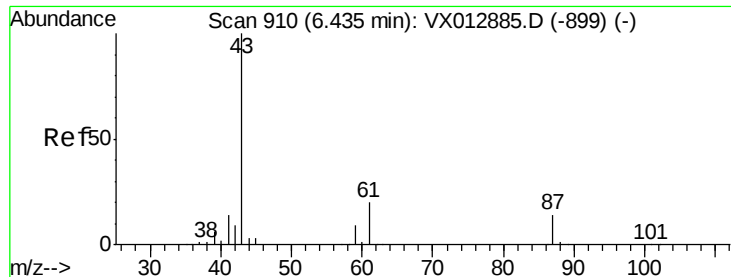
Tot Ion:	41	Resp:	1078
Ion	Ratio	Lower	Upper
41	100		
39	42.9	44.0	66.0#
67	38.7	58.5	87.7#
52	0.0	23.8	35.8#



#42
1,2-Dichloroethane
Concen: 0.793 ug/l
RT: 6.19 min Scan# 870
Delta R.T. 0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion:	62	Resp:	2025
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

Isopropyl Acetate

Concen: 0.657 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

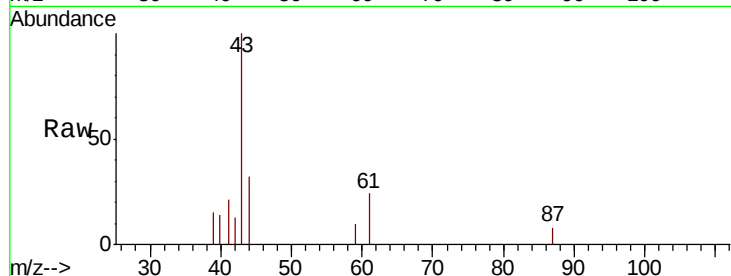
Tot Ion: 43 Resp: 2843

Ion Ratio Lower Upper

43 100

61 21.3 16.6 24.8

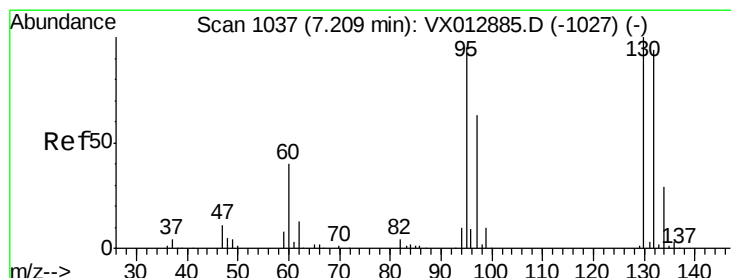
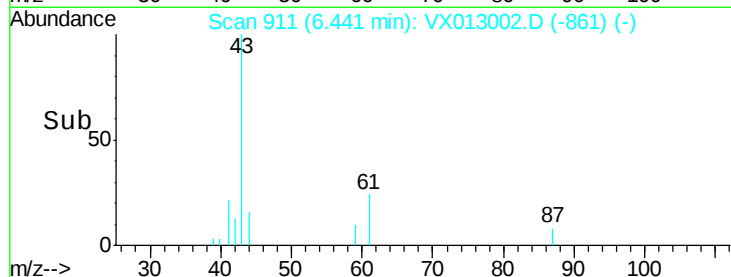
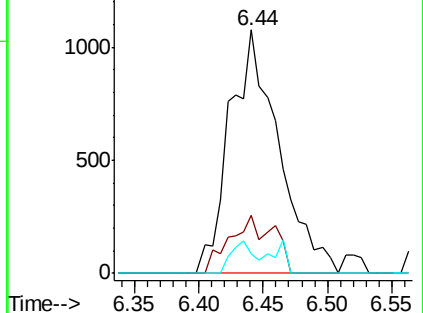
87 6.2 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.694 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX013002.D

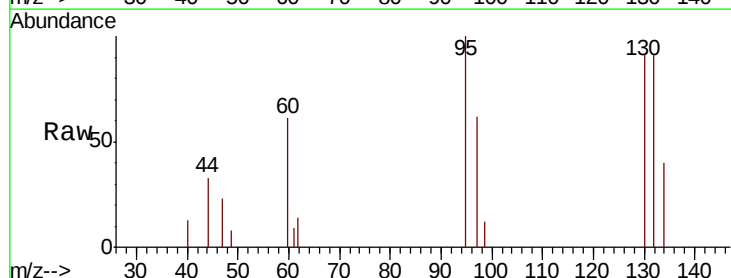
Acq: 10 Oct 2019 17:40

Tgt Ion: 130 Resp: 1369

Ion Ratio Lower Upper

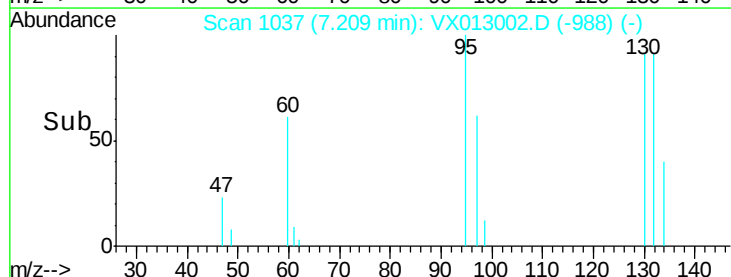
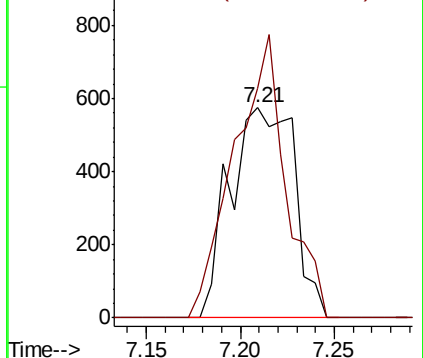
130 100

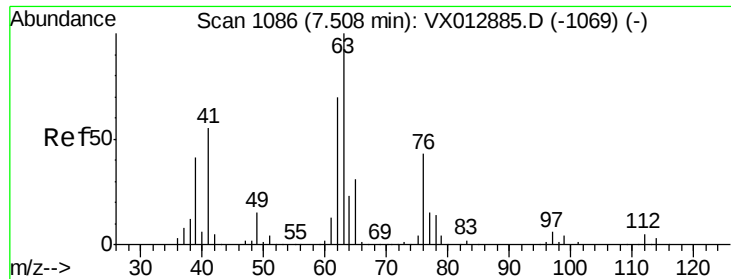
95 109.6 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

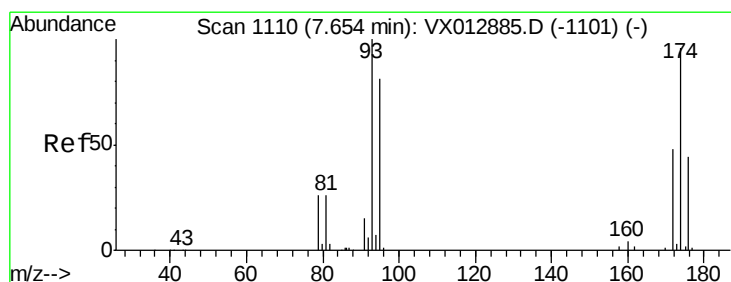
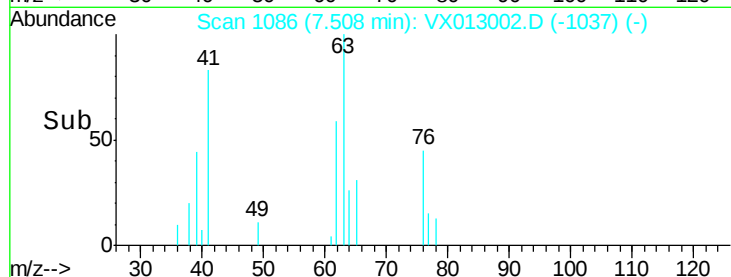
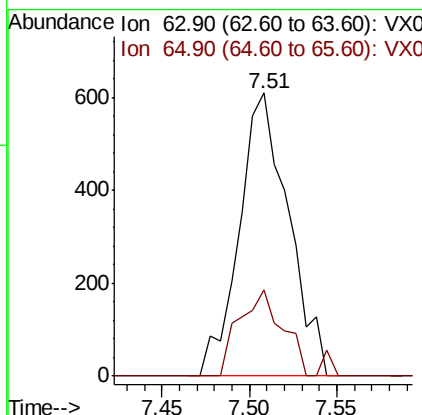
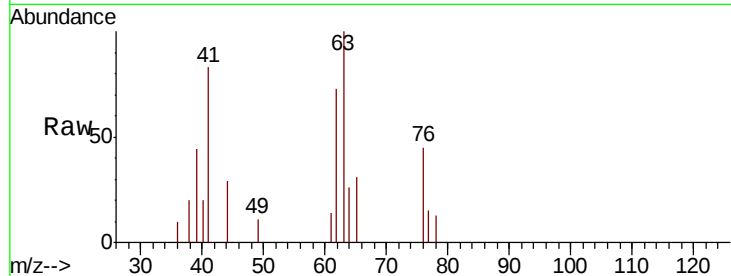




#45
 1,2-Dichloropropane
 Concen: 0.658 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

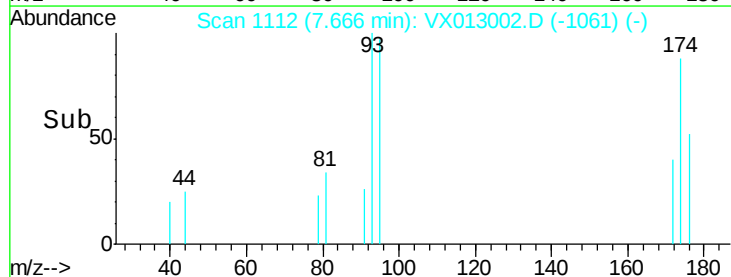
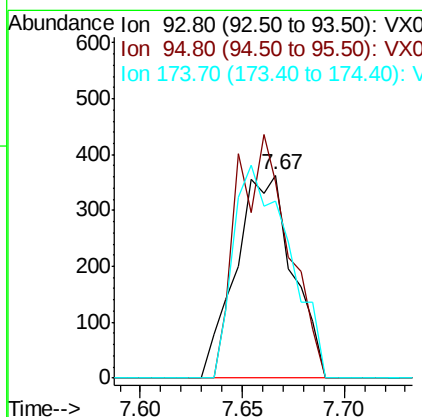
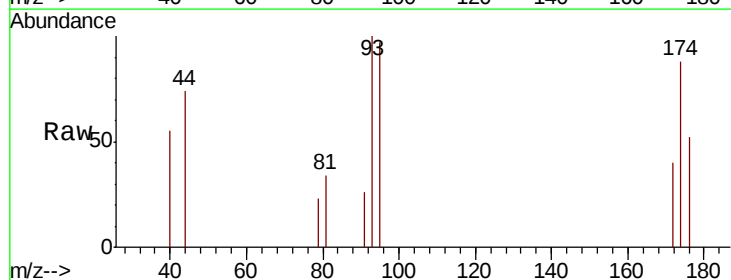
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion: 63 Resp: 1194
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 37.0



#46
 Dibromomethane
 Concen: 0.583 ug/l
 RT: 7.67 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

Tgt Ion: 93 Resp: 705
 Ion Ratio Lower Upper
 93 100
 95 109.1 66.3 99.5#
 174 101.8 77.8 116.6





#47

Bromodichloromethane

Concen: 0.623 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

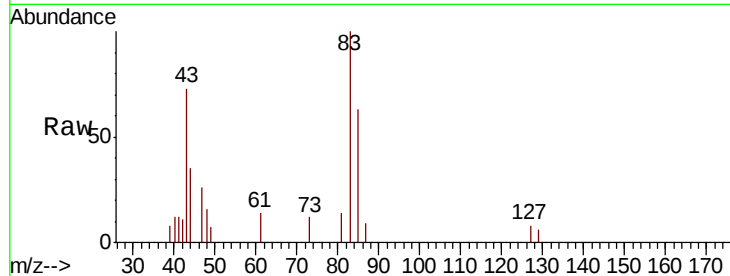
Tot Ion: 83 Resp: 1470

Ion Ratio Lower Upper

83 100

85 63.2 52.4 78.6

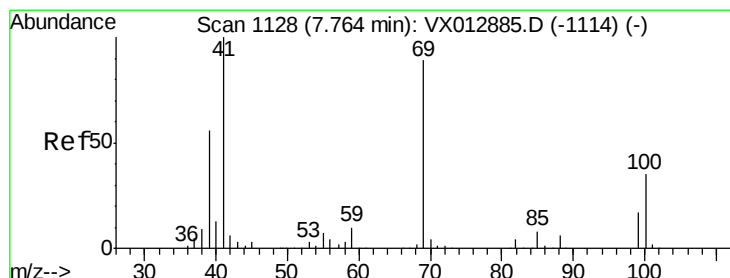
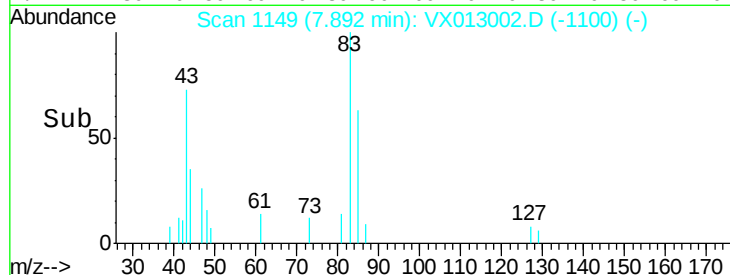
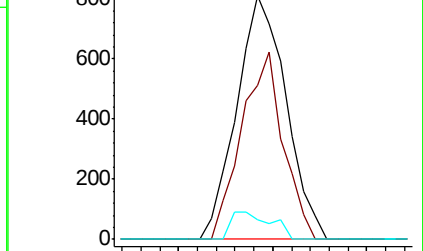
127 8.0 6.6 10.0



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

Methyl methacrylate

Concen: 0.542 ug/l

RT: 7.77 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

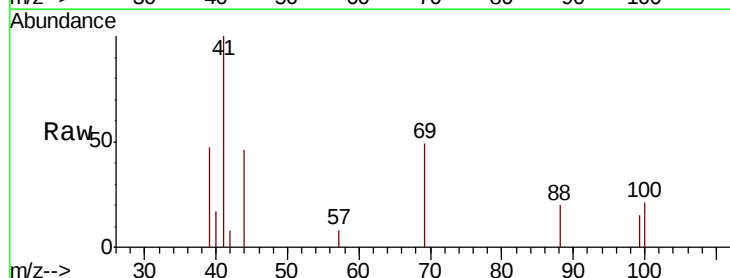
Tgt Ion: 41 Resp: 1142

Ion Ratio Lower Upper

41 100

69 87.8 68.7 103.1

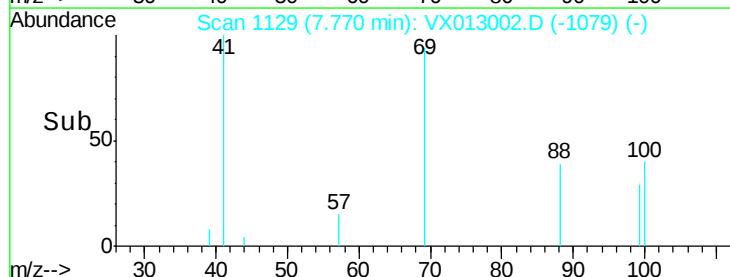
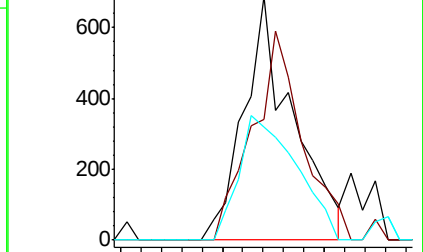
39 60.2 44.3 66.5

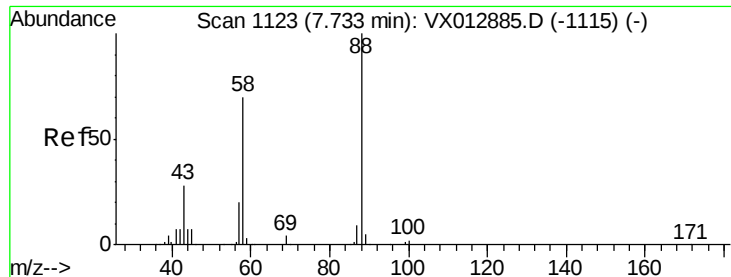


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 45.798 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

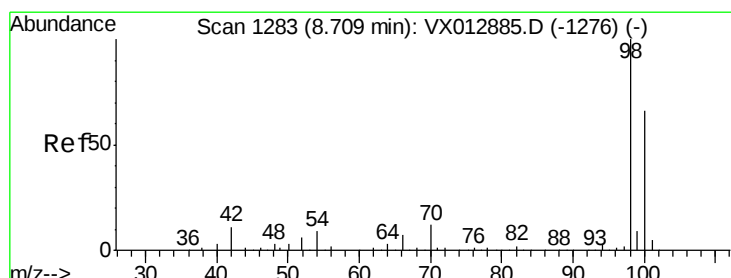
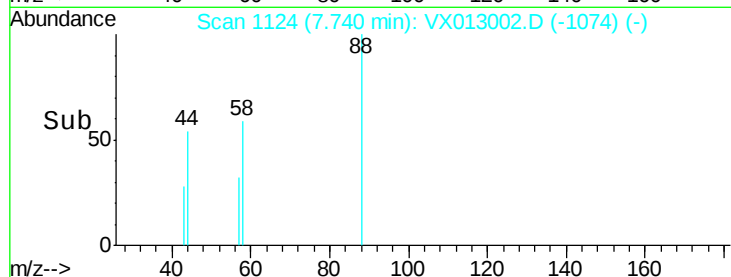
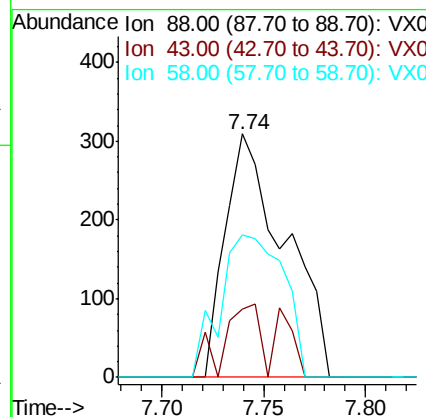
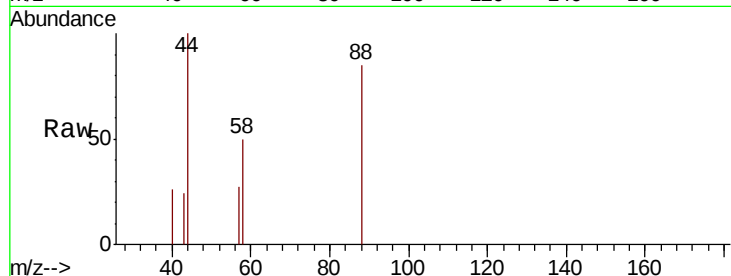
Tot Ion: 88 Resp: 628

Ion Ratio Lower Upper

88 100

43 18.2 25.0 37.6#

58 62.1 55.4 83.2



#50

Toluene-d8

Concen: 47.619 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013002.D

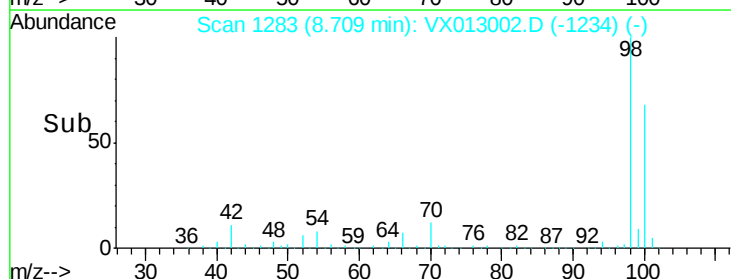
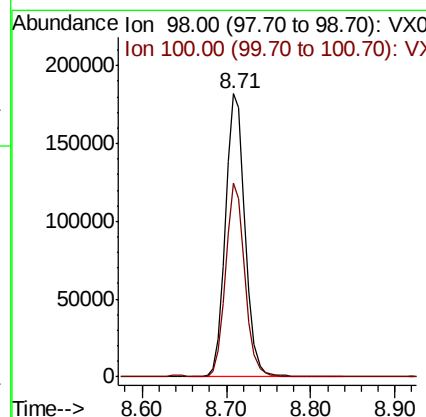
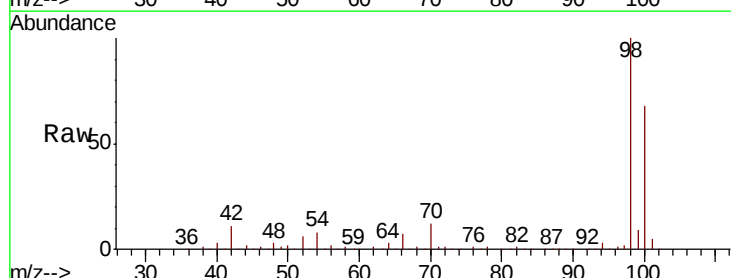
Acq: 10 Oct 2019 17:40

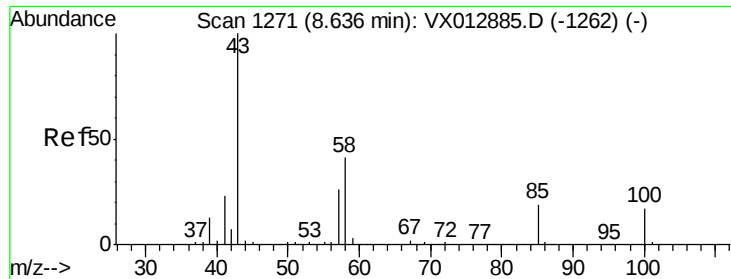
Tgt Ion: 98 Resp: 292183

Ion Ratio Lower Upper

98 100

100 67.0 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 3.109 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

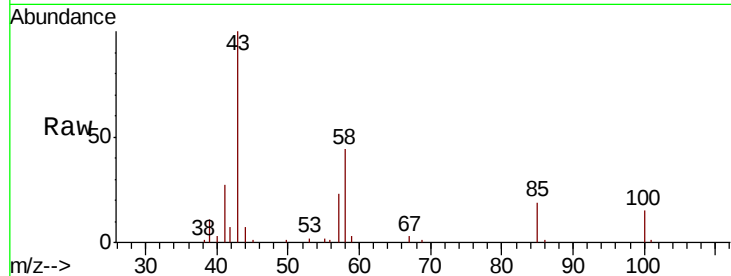
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 8383

Ion Ratio Lower Upper

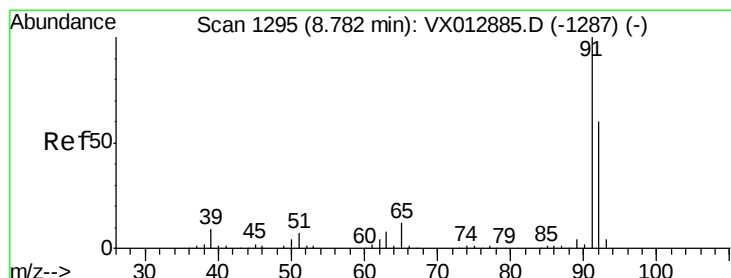
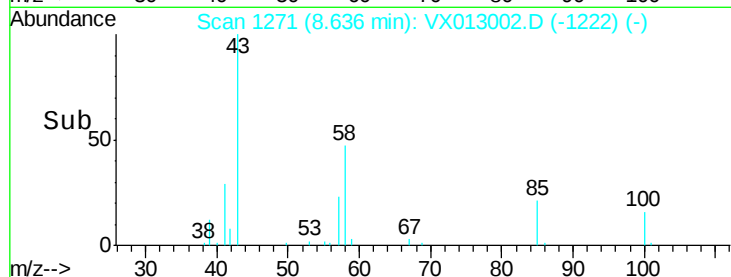
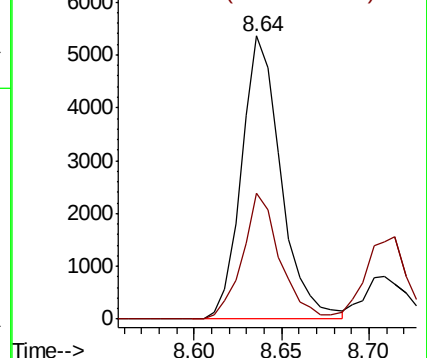
43 100

58 42.3 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.661 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013002.D

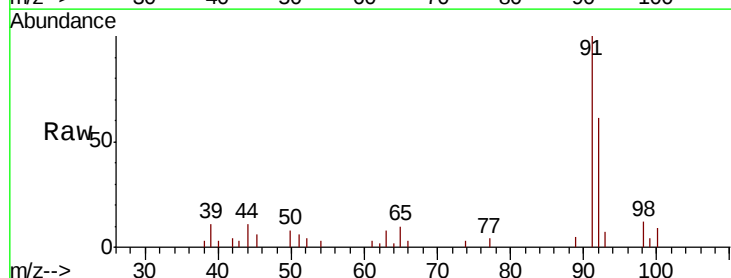
Acq: 10 Oct 2019 17:40

Tgt Ion: 92 Resp: 3011

Ion Ratio Lower Upper

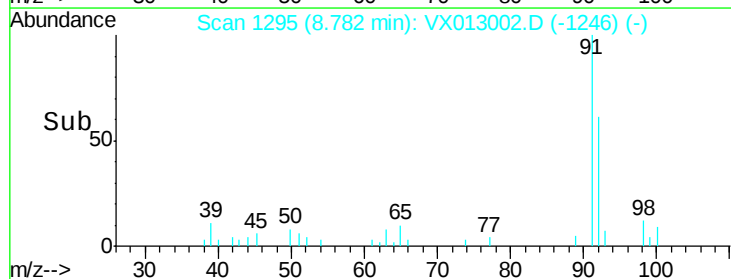
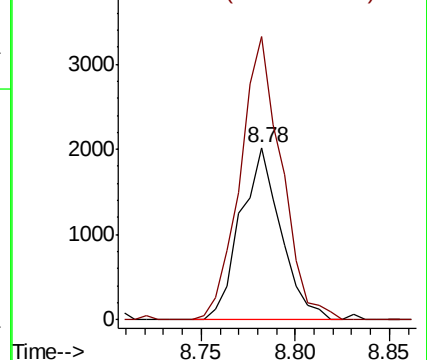
92 100

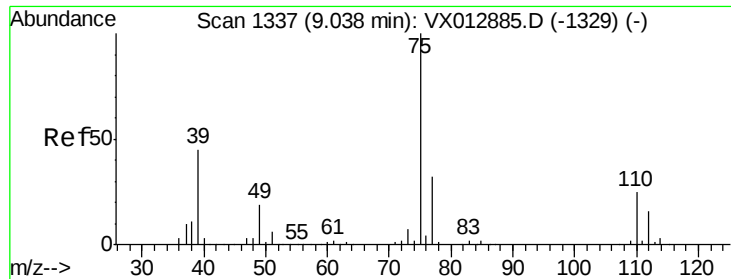
91 168.3 135.9 203.9



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: 2.572 ug/l

RT: 9.04 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

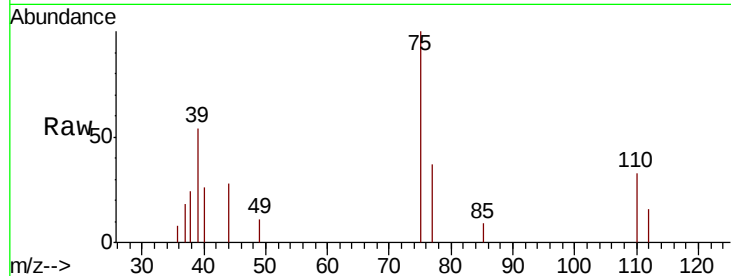
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 75 Resp: 1242

Ion Ratio Lower Upper

75 100

77 37.2 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

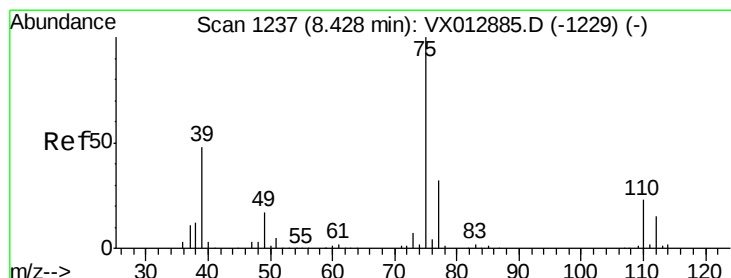
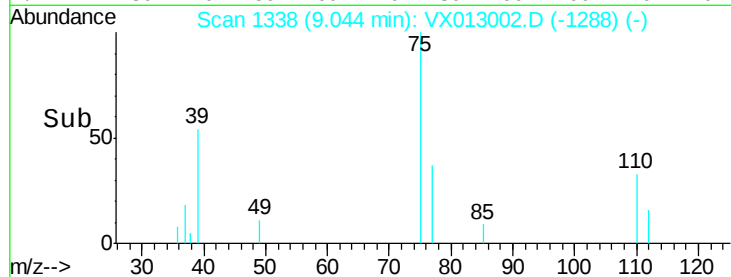
600

400

200

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.580 ug/l

RT: 8.43 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

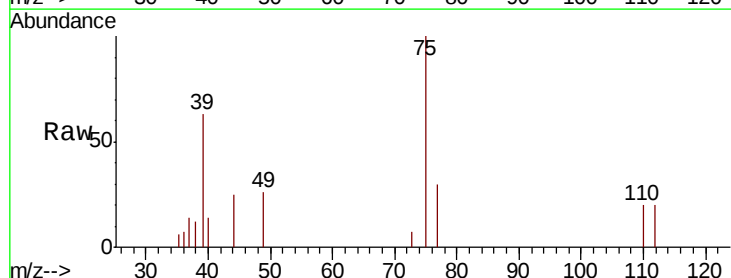
Tgt Ion: 75 Resp: 1682

Ion Ratio Lower Upper

75 100

77 29.6 25.8 38.8

39 63.4 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

1200

1000

800

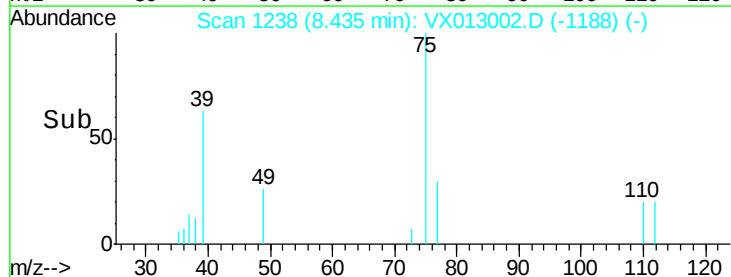
600

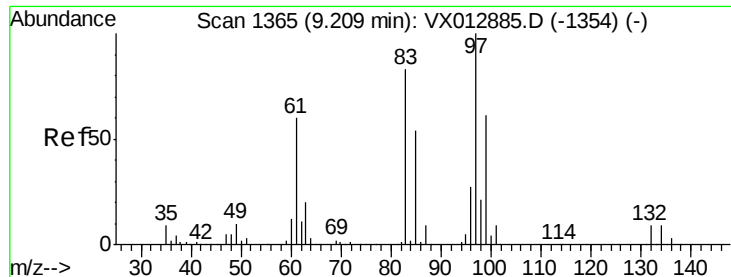
400

200

0

Time-->

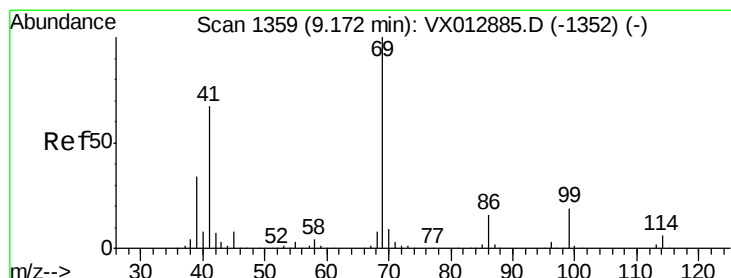
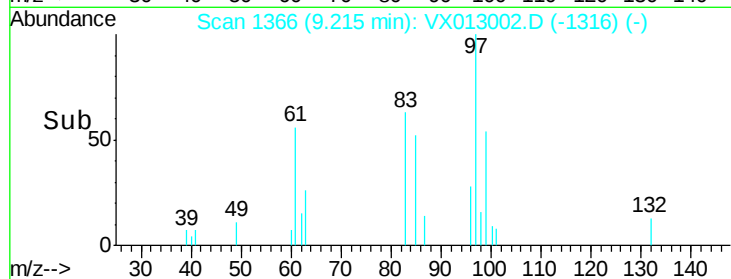
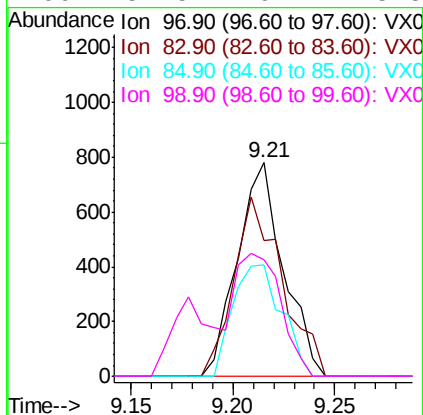
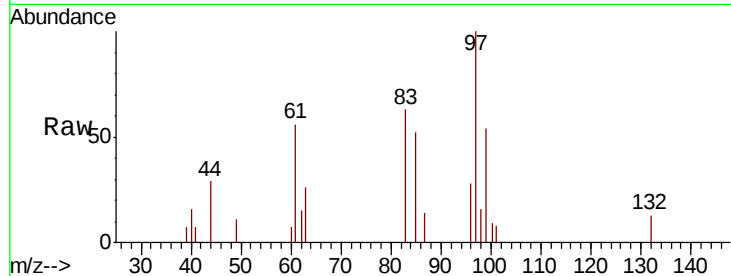




#55
 1,1,2-Trichloroethane
 Concen: 0.680 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

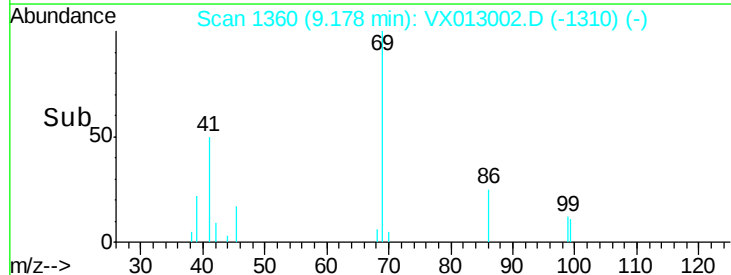
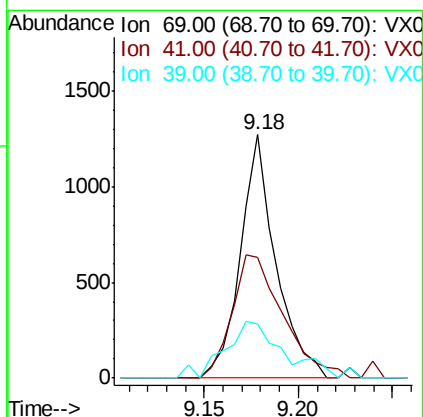
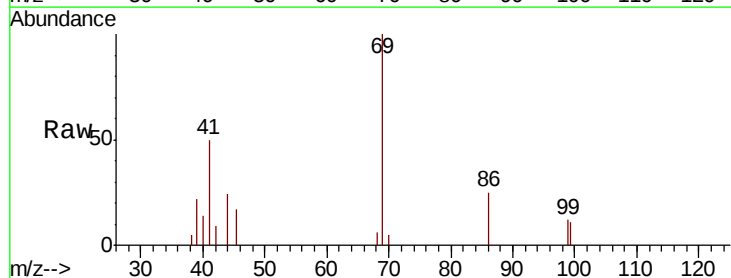
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

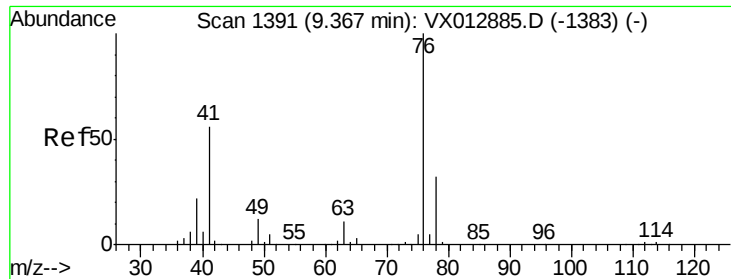
Tot Ion:	97	Resp:	1225
Ion	Ratio	Lower	Upper
97	100		
83	63.5	66.5	99.7#
85	52.4	43.1	64.7
99	54.5	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 2.328 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

Tgt Ion:	69	Resp:	1663
Ion	Ratio	Lower	Upper
69	100		
41	72.5	52.1	78.1
39	39.9	27.8	41.8





#57

1,3-Dichloropropane

Concen: 0.682 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

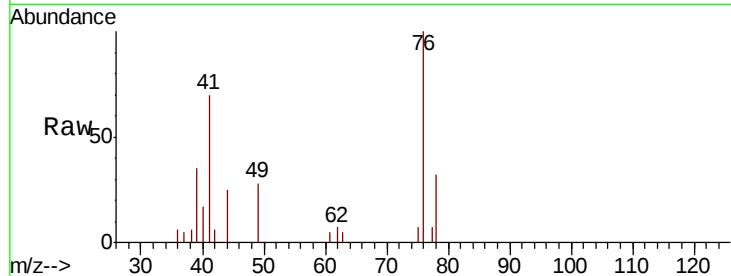
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 76 Resp: 2127

Ion Ratio Lower Upper

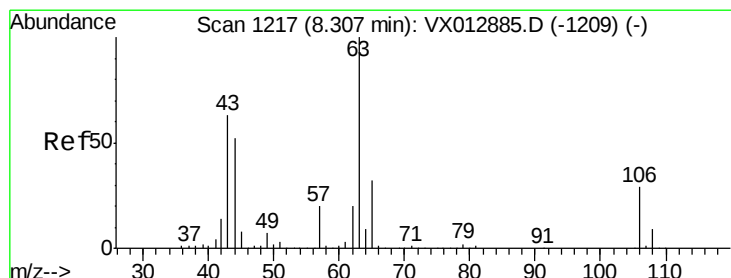
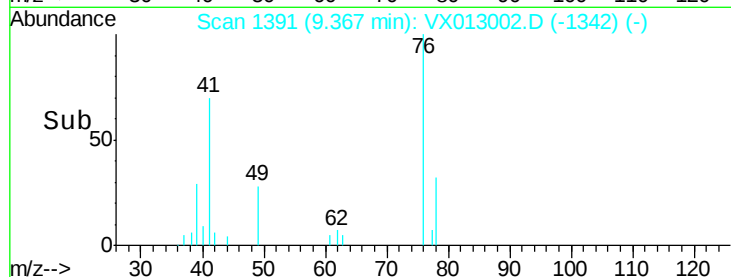
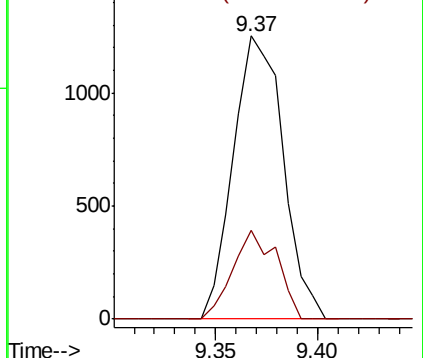
76 100

78 27.7 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 2.926 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013002.D

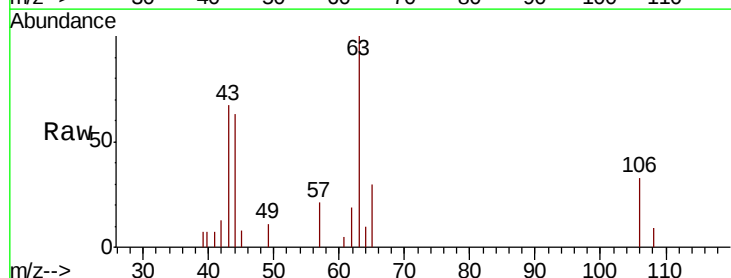
Acq: 10 Oct 2019 17:40

Tgt Ion: 63 Resp: 3874

Ion Ratio Lower Upper

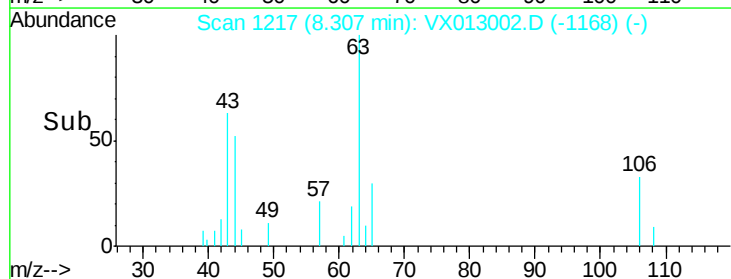
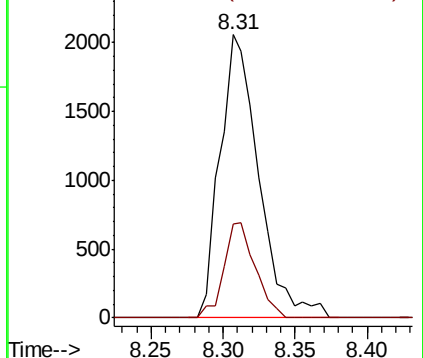
63 100

106 27.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

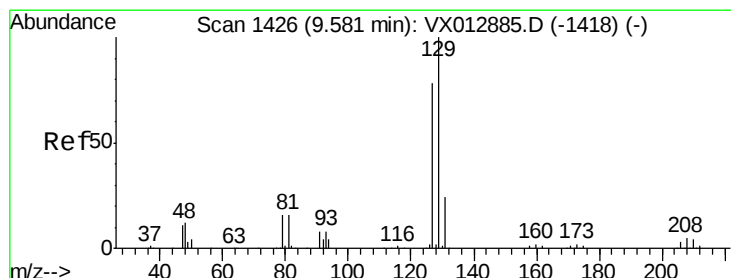
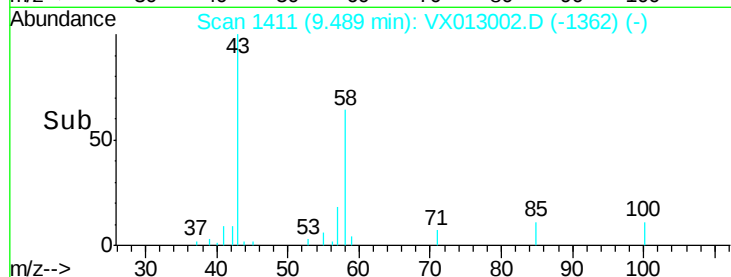
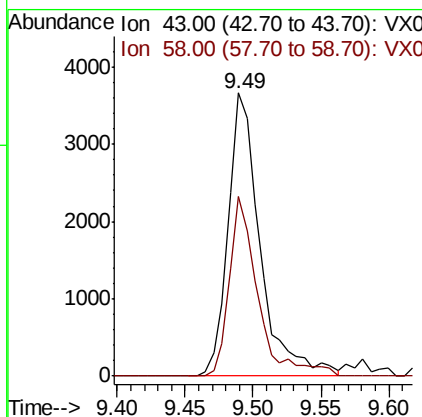
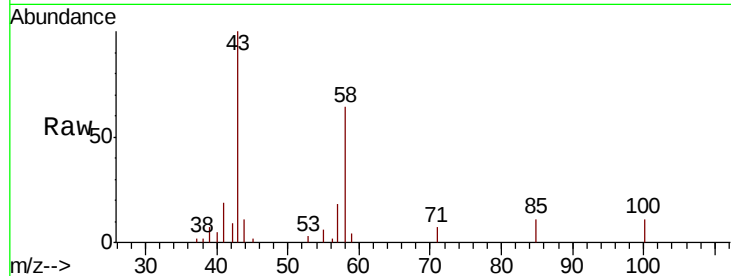




#59
2-Hexanone
Concen: 2.866 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

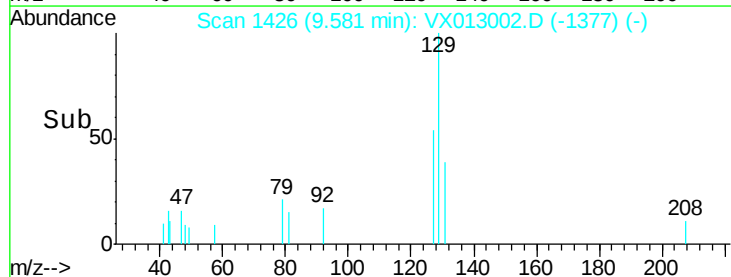
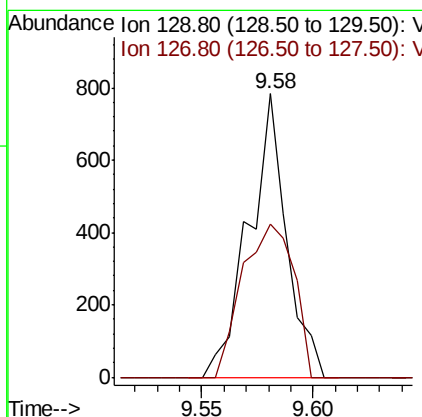
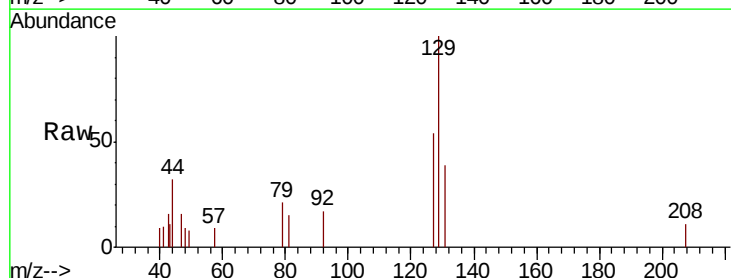
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

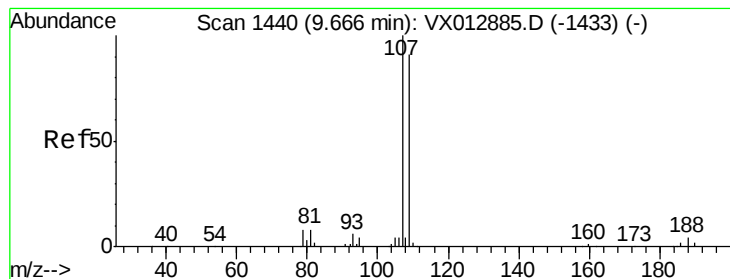
Tot Ion: 43 Resp: 6017
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.3



#60
Dibromochloromethane
Concen: 2.301 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion: 129 Resp: 925
Ion Ratio Lower Upper
129 100
127 73.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 0.572 ug/l

RT: 9.67 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

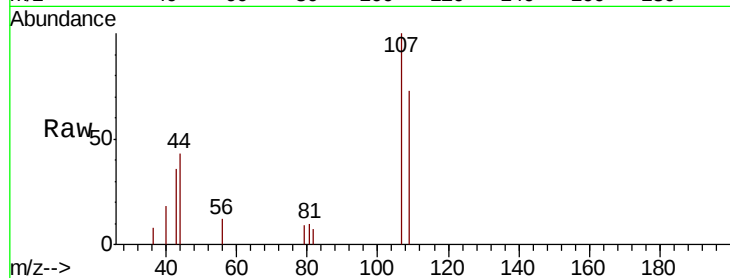
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 107 Resp: 1084

Ion Ratio Lower Upper

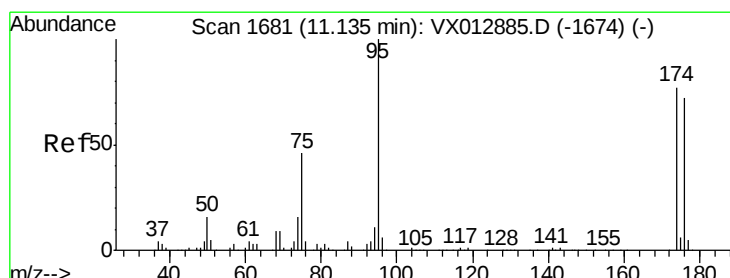
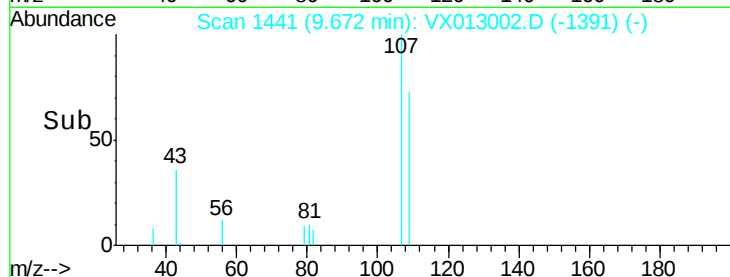
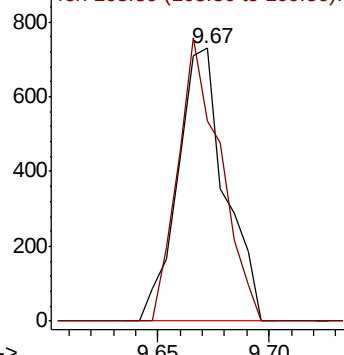
107 100

109 92.3 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.956 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

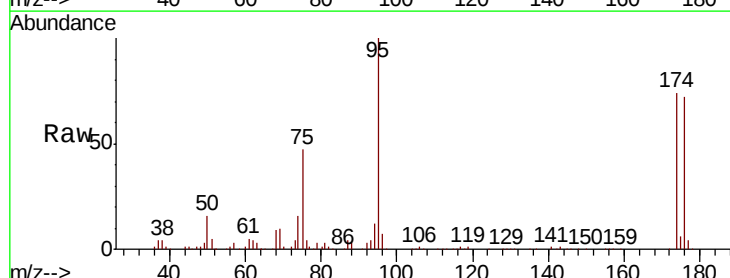
Tgt Ion: 95 Resp: 104797

Ion Ratio Lower Upper

95 100

174 71.8 0.0 143.4

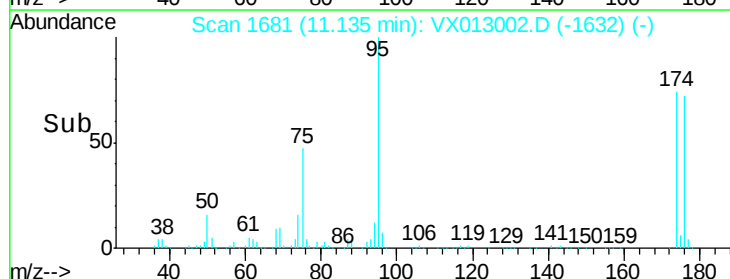
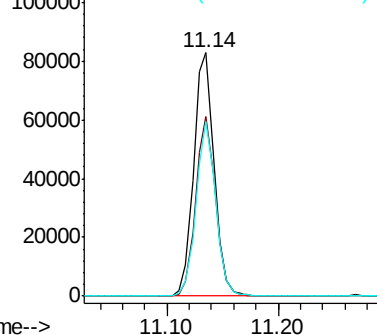
176 68.9 0.0 136.0

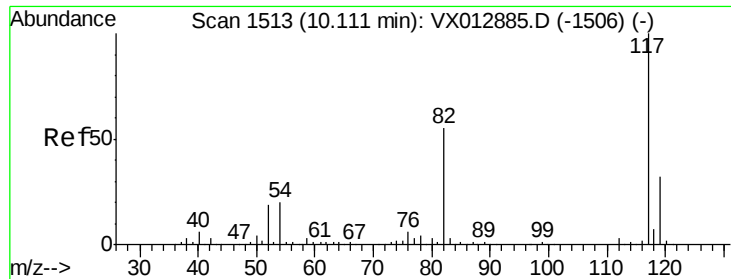


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

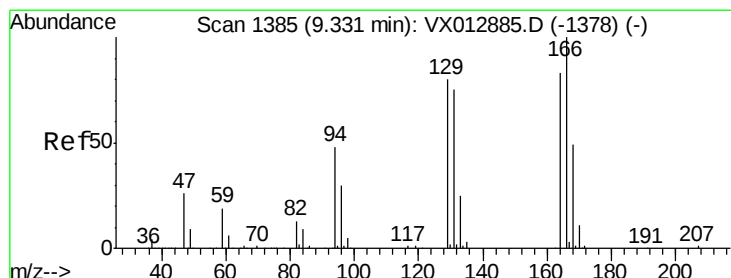
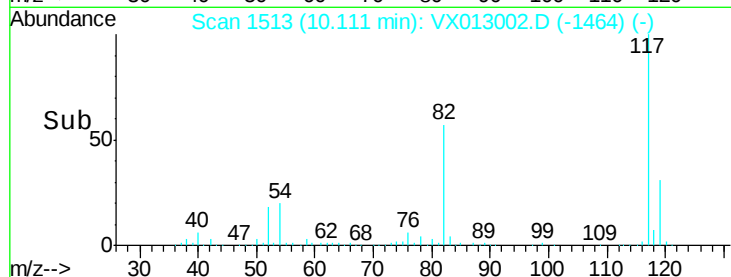
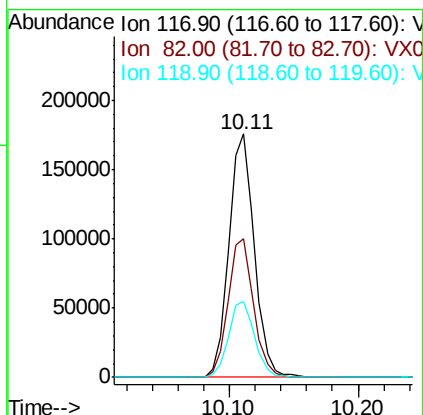
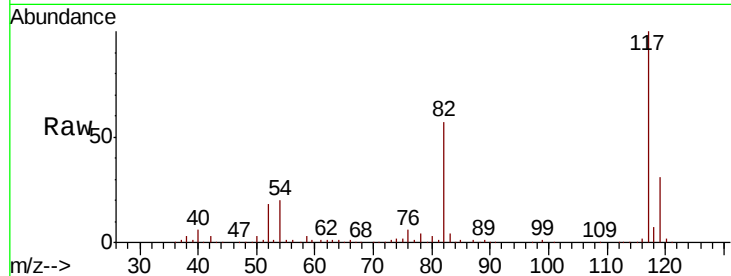




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

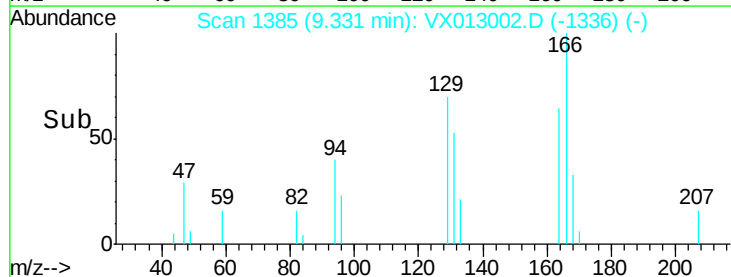
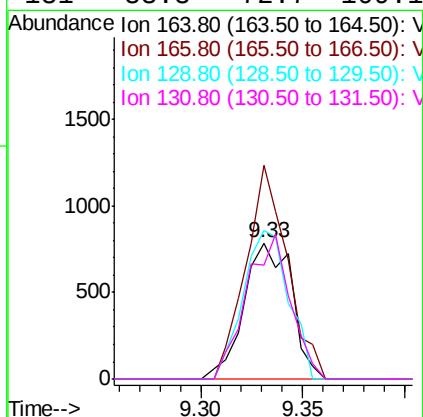
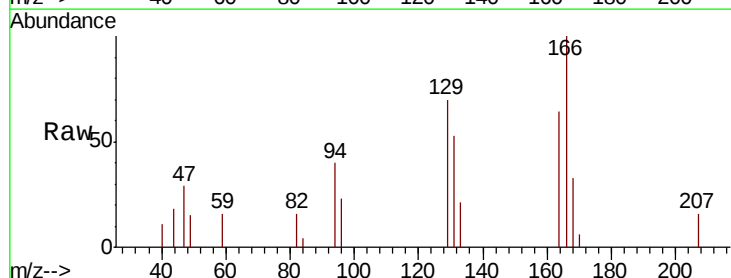
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

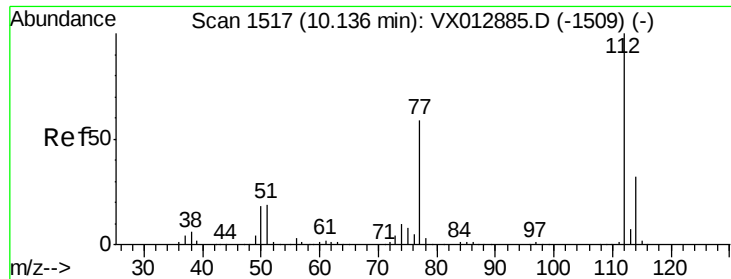
Tot Ion:117 Resp: 243648
Ion Ratio Lower Upper
117 100
82 57.2 44.1 66.1
119 31.2 25.8 38.8



#64
Tetrachloroethene
Concen: 0.757 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion:164 Resp: 1280
Ion Ratio Lower Upper
164 100
166 156.7 96.9 145.3#
129 109.3 77.9 116.9
131 83.8 72.7 109.1





#65

Chlorobenzene

Concen: 0.664 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

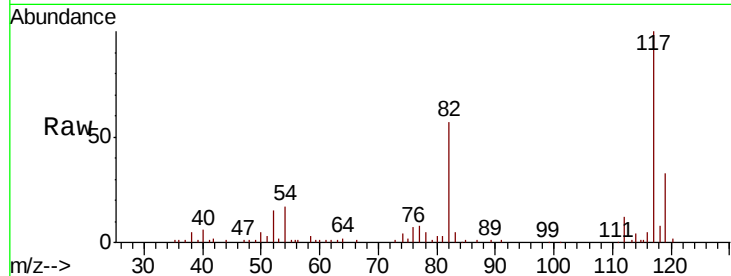
LOD-MDL-WATER-01-QT4-2019

Tot Ion:112 Resp: 3214

Ion Ratio Lower Upper

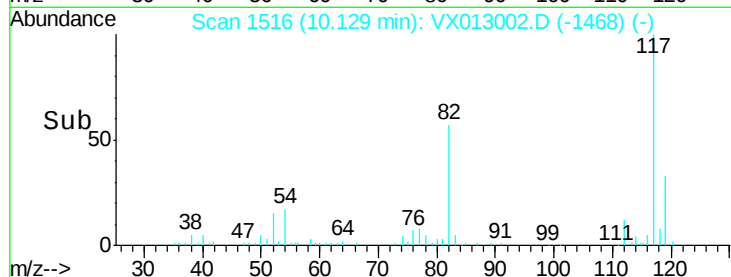
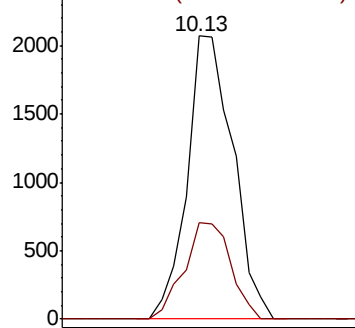
112 100

114 34.0 25.7 38.5

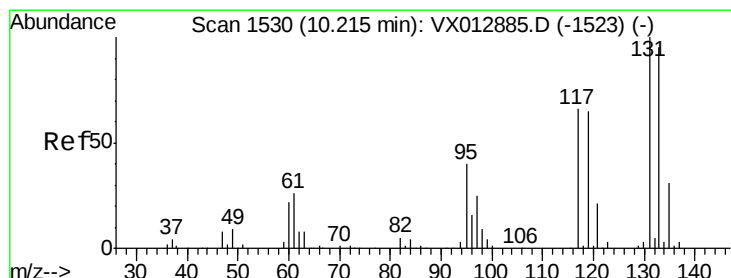


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 0.638 ug/l

RT: 10.22 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

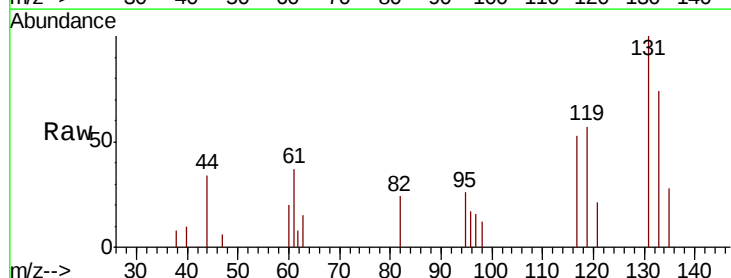
Tgt Ion:131 Resp: 1071

Ion Ratio Lower Upper

131 100

133 84.5 47.2 141.6

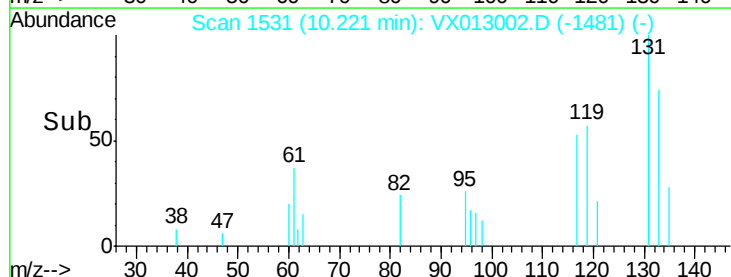
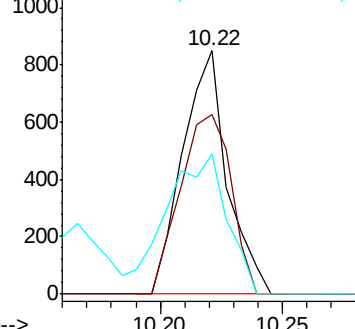
119 0.0 32.6 98.0#



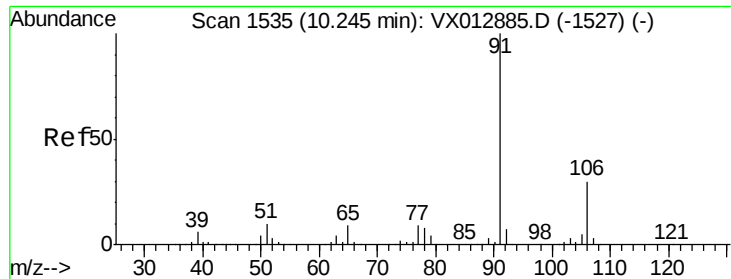
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->



#67

Ethyl Benzene

Concen: 0.606 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

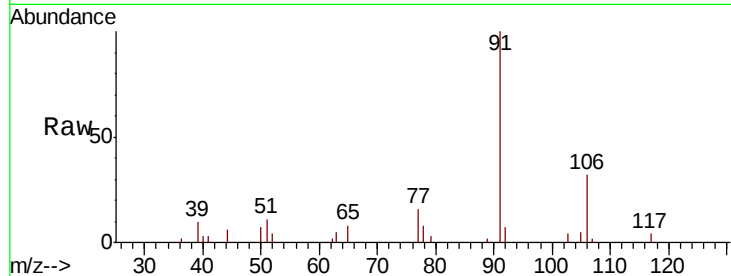
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 91 Resp: 5209

Ion Ratio Lower Upper

91 100

106 32.3 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

10.25

3000

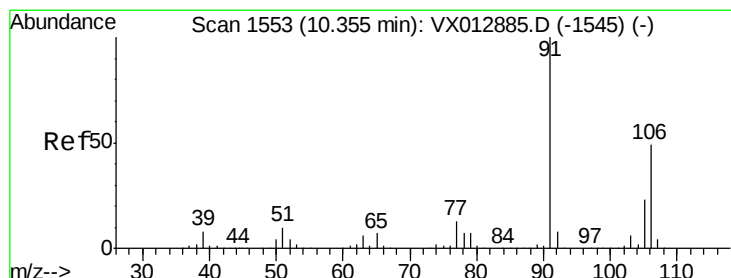
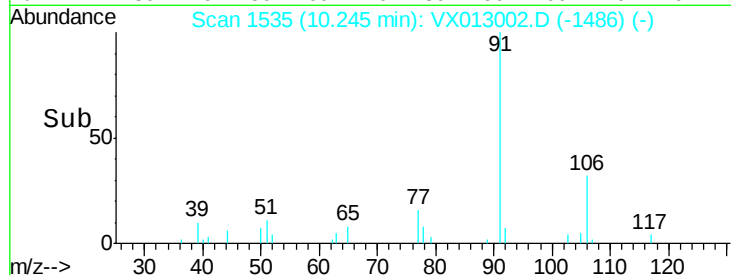
2000

1000

0

Time-->

10.20 10.25 10.30



#68

m/p-Xylenes

Concen: 1.176 ug/l

RT: 10.36 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VX013002.D

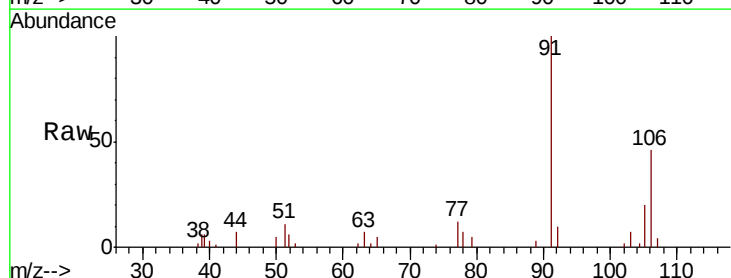
Acq: 10 Oct 2019 17:40

Tgt Ion: 106 Resp: 3776

Ion Ratio Lower Upper

106 100

91 228.1 165.3 247.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

6000

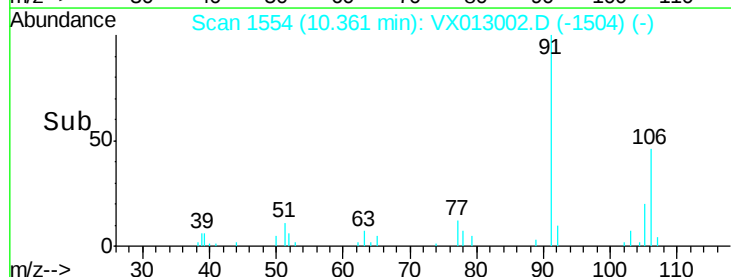
4000

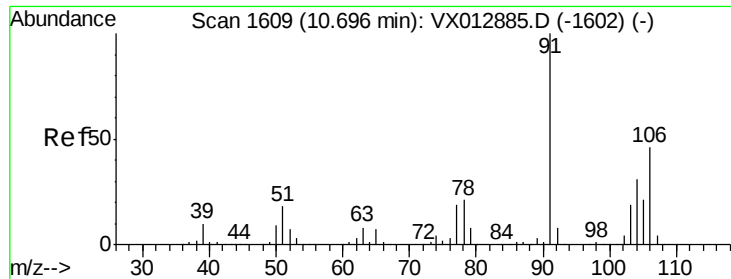
2000

0

Time-->

10.30 10.35 10.40

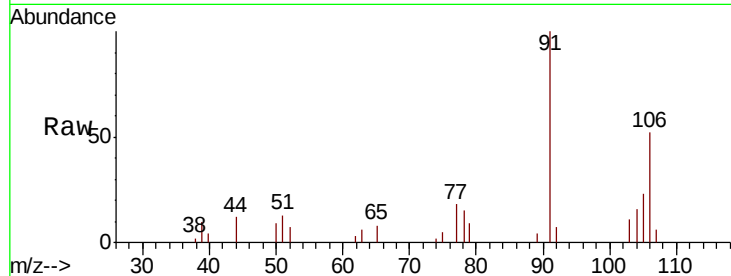




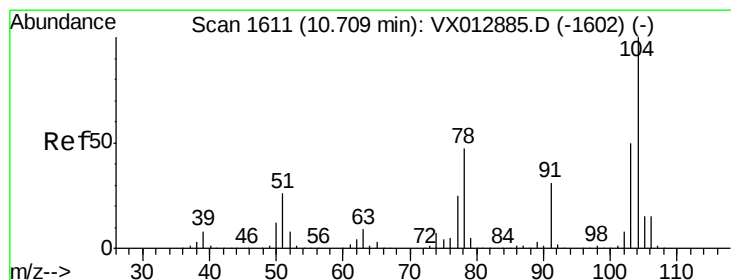
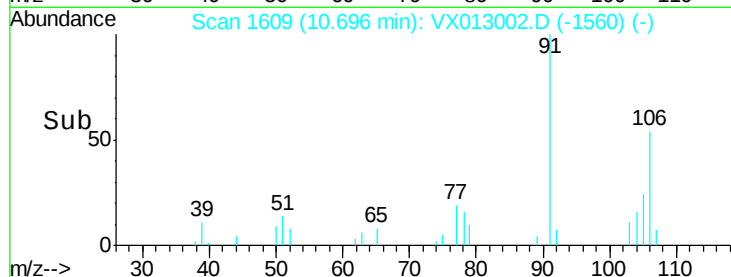
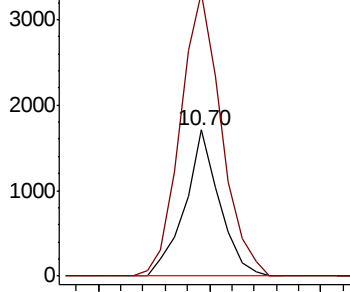
#69
o-Xylene
Concen: 0.591 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion:106 Resp: 1850
Ion Ratio Lower Upper
106 100
91 228.9 109.1 327.3

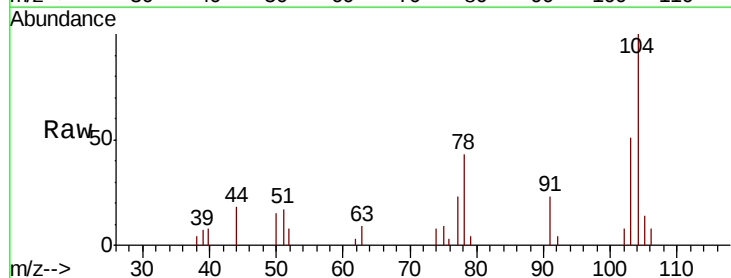


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

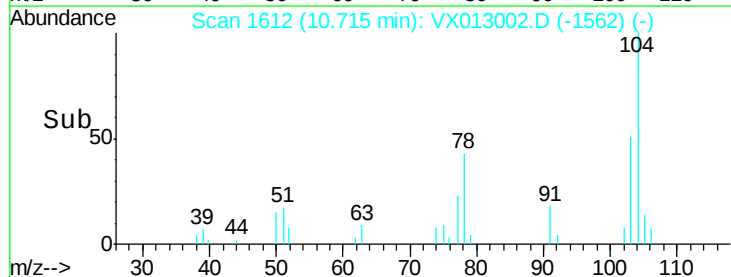
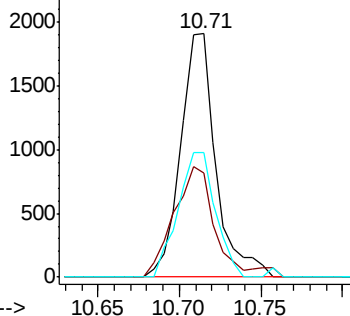


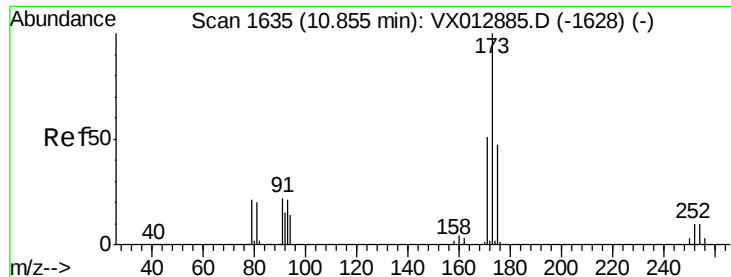
#70
Styrene
Concen: 0.542 ug/l
RT: 10.71 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion:104 Resp: 2884
Ion Ratio Lower Upper
104 100
78 53.5 41.2 61.8
103 54.2 43.0 64.4



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: 3.494 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

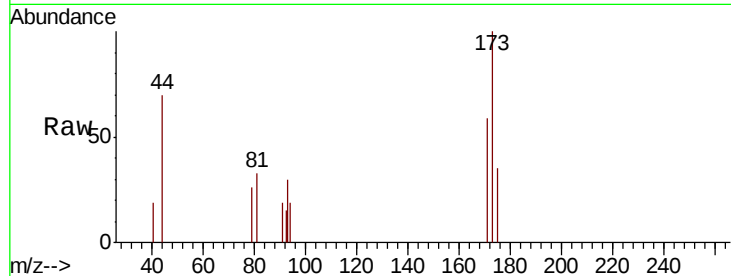
Tot Ion:173 Resp: 550

Ion Ratio Lower Upper

173 100

175 29.8 24.1 72.3

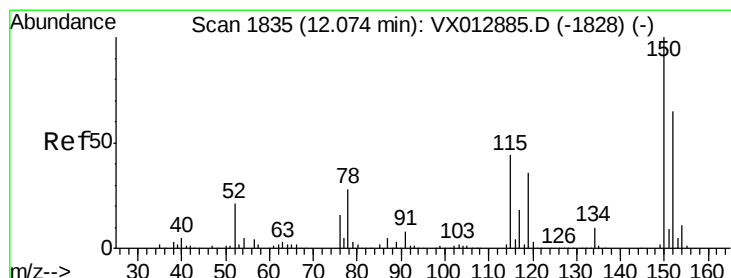
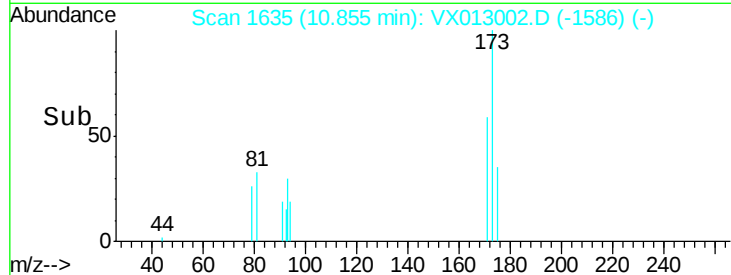
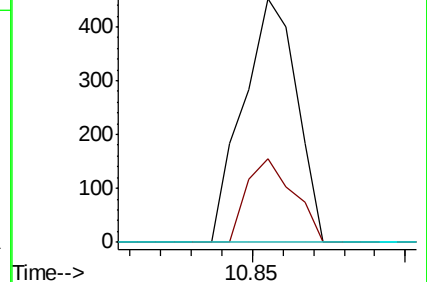
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

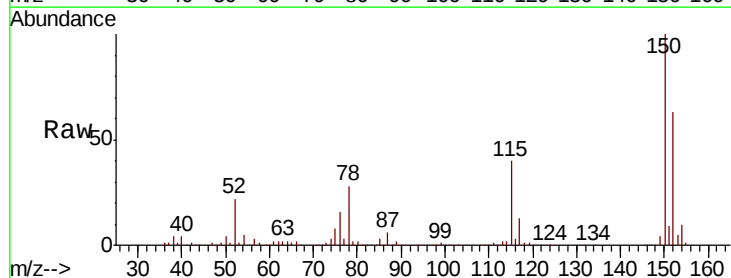
Tgt Ion:152 Resp: 103786

Ion Ratio Lower Upper

152 100

115 61.5 44.5 133.5

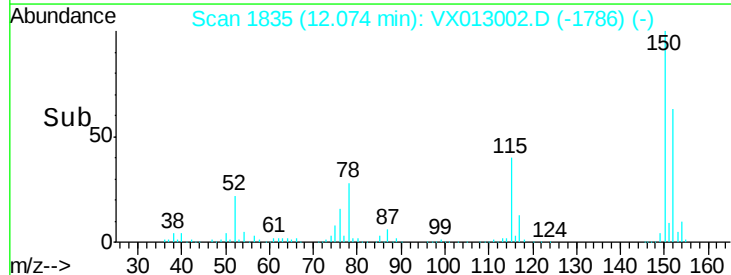
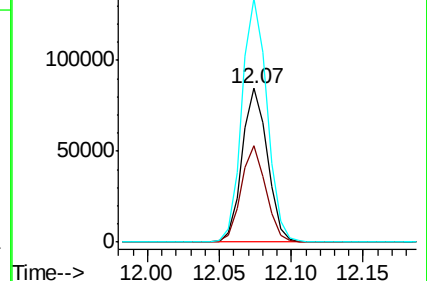
150 157.5 0.0 353.4

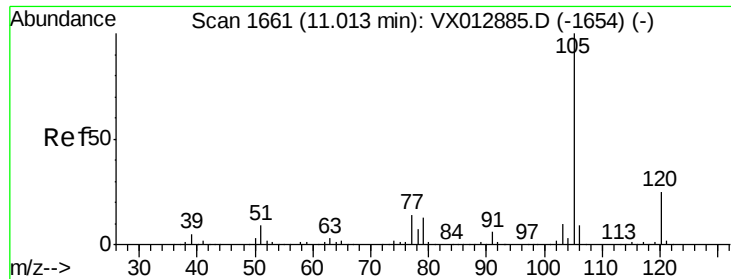


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.597 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

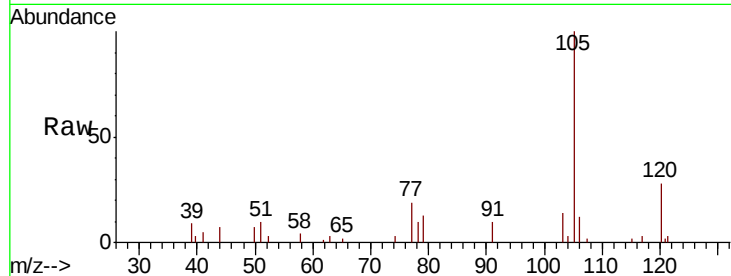
LOD-MDL-WATER-01-QT4-2019

Tot Ion:105 Resp: 4552

Ion Ratio Lower Upper

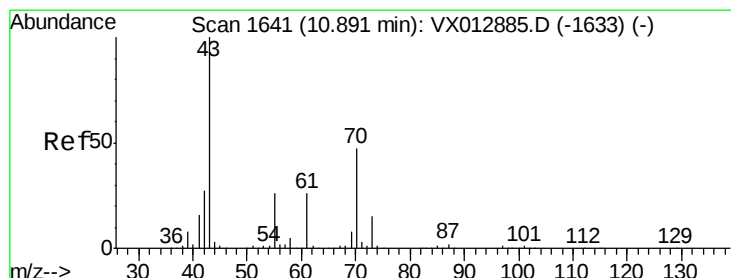
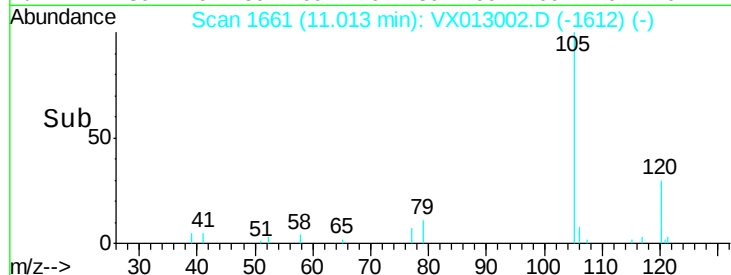
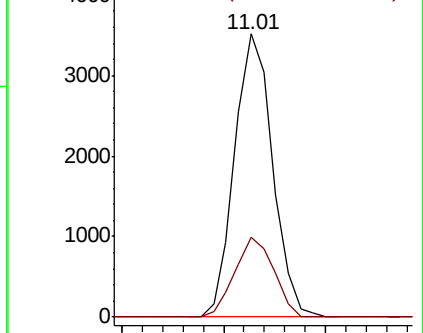
105 100

120 28.8 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.551 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Tgt Ion: 43 Resp: 1812

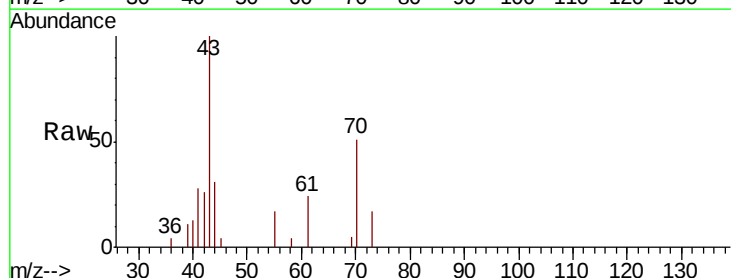
Ion Ratio Lower Upper

43 100

70 47.7 36.4 54.6

55 28.8 20.2 30.2

61 25.9 20.5 30.7

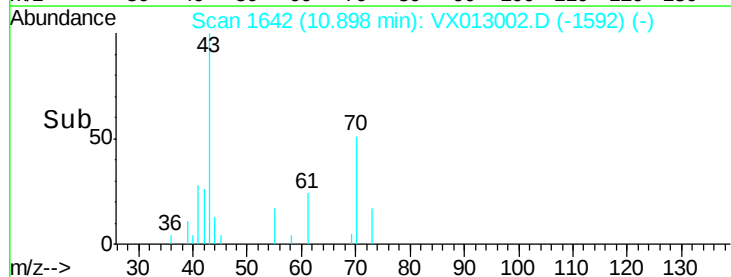
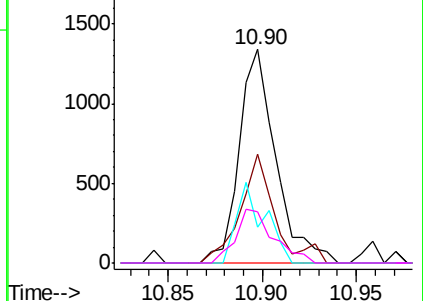


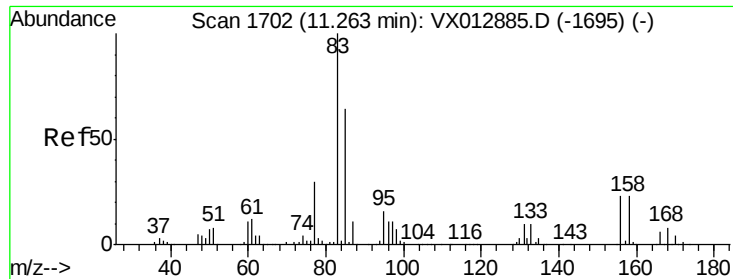
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.626 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

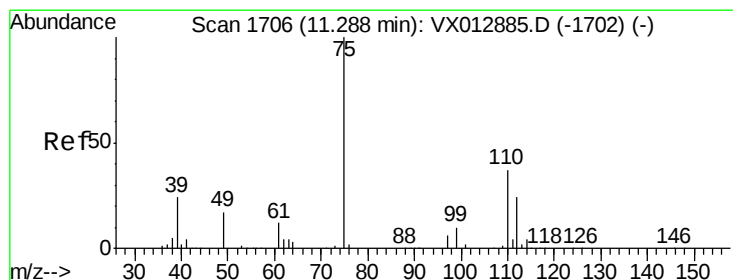
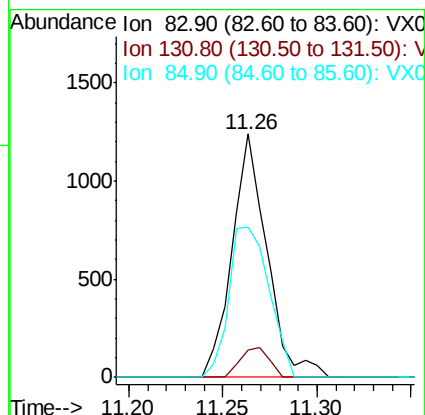
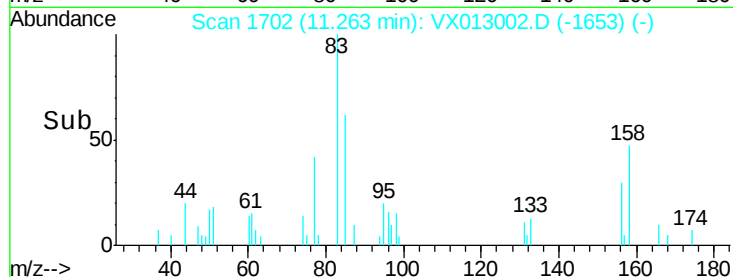
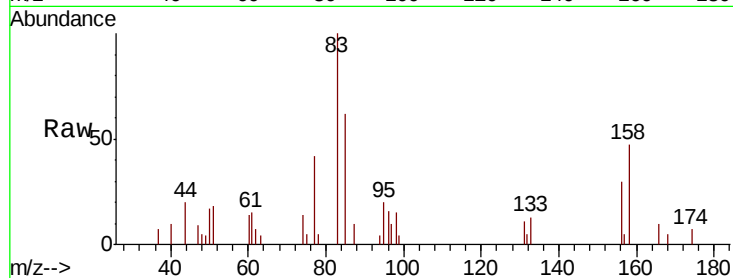
Tot Ion: 83 Resp: 1590

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

85 71.3 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 0.832 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX013002.D

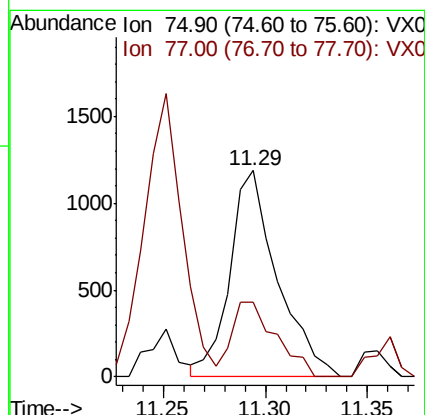
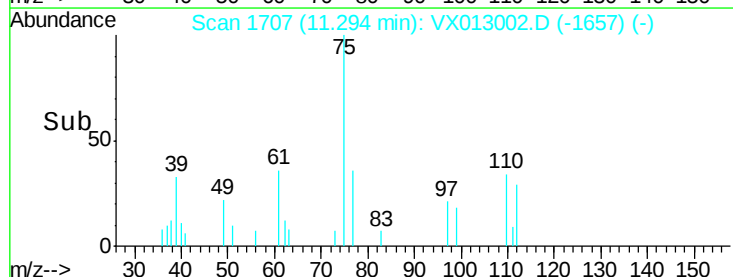
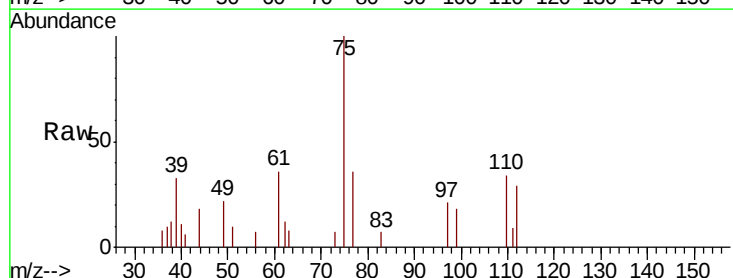
Acq: 10 Oct 2019 17:40

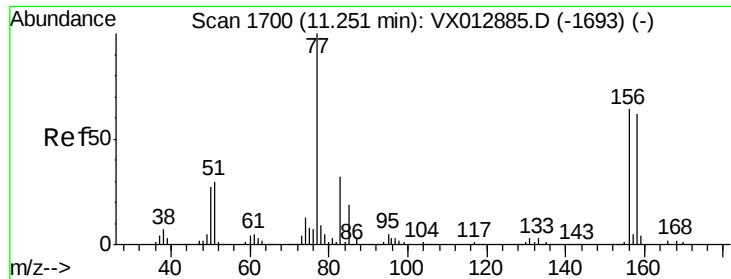
Tgt Ion: 75 Resp: 1916

Ion Ratio Lower Upper

75 100

77 33.9 22.9 68.8





#77

Bromobenzene

Concen: 0.652 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

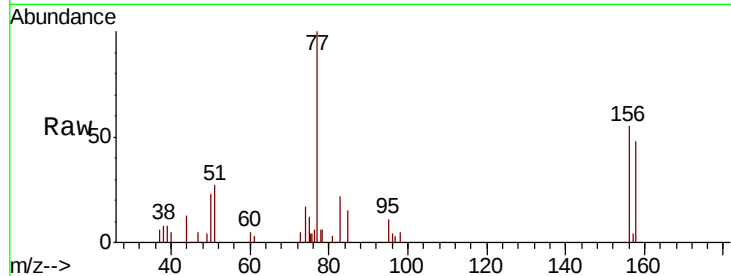
Tot Ion:156 Resp: 1172

Ion Ratio Lower Upper

156 100

77 181.0 83.7 251.0

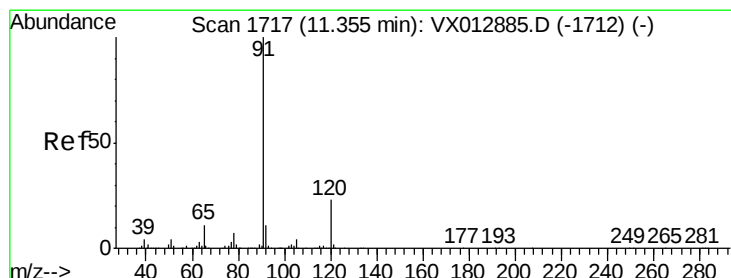
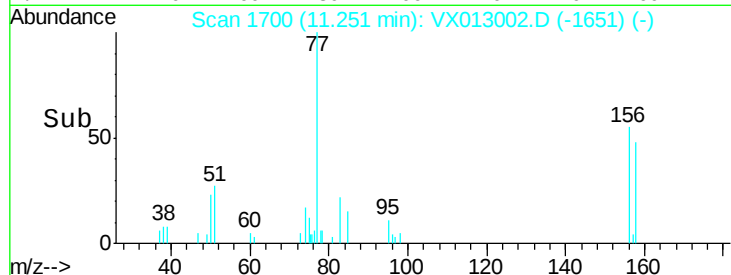
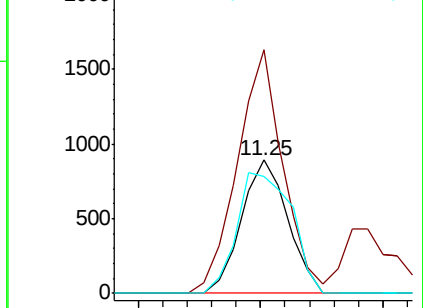
158 107.6 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.617 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013002.D

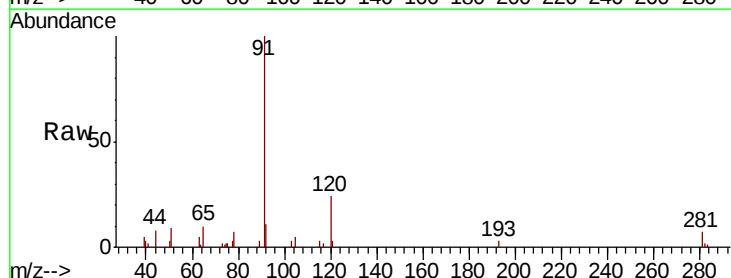
Acq: 10 Oct 2019 17:40

Tgt Ion: 91 Resp: 5178

Ion Ratio Lower Upper

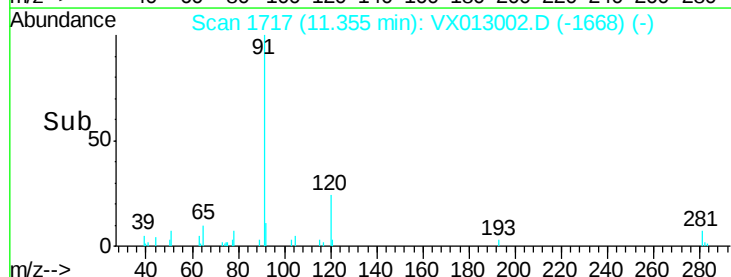
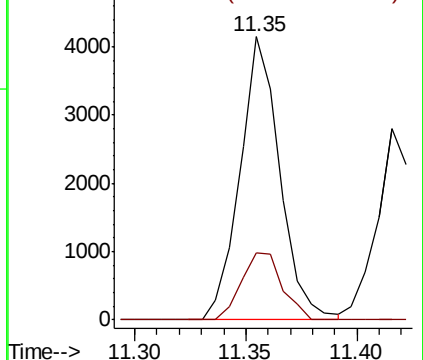
91 100

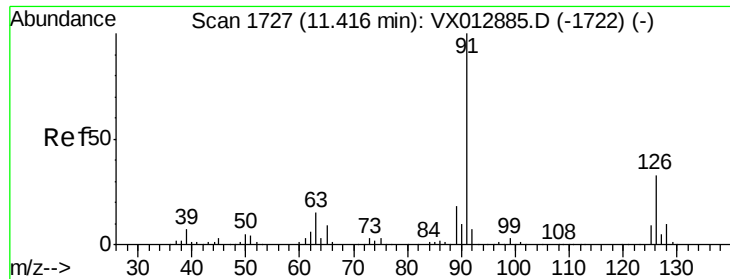
120 24.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

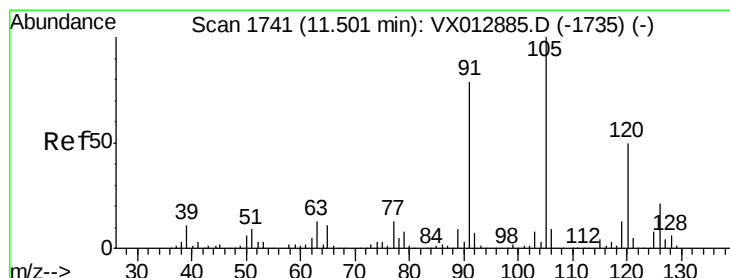
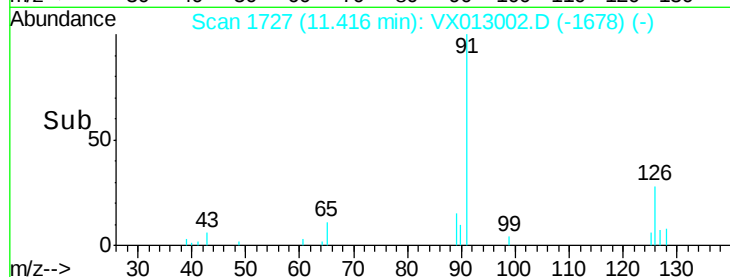
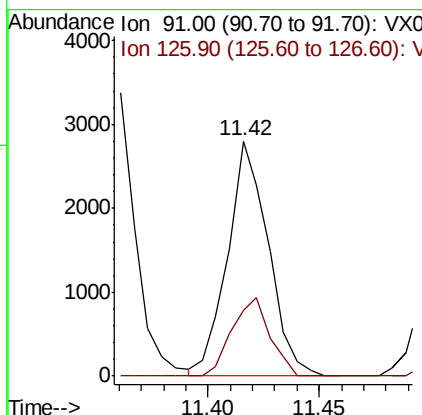
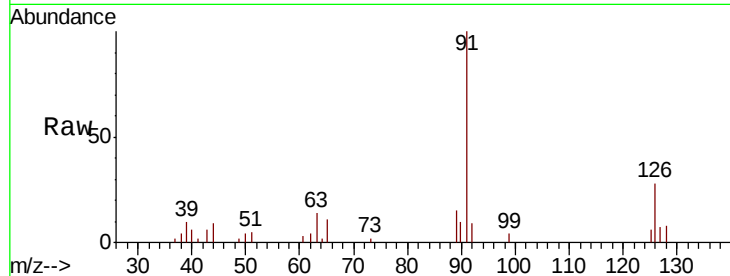




#79
 2-Chlorotoluene
 Concen: 0.675 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

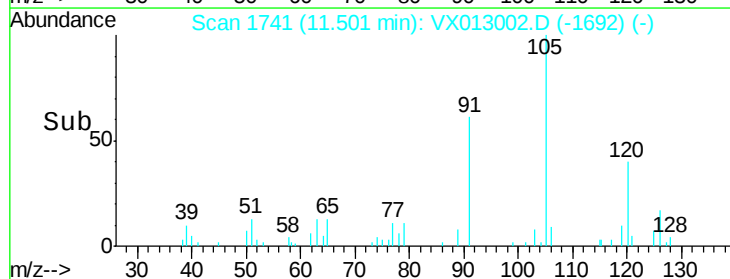
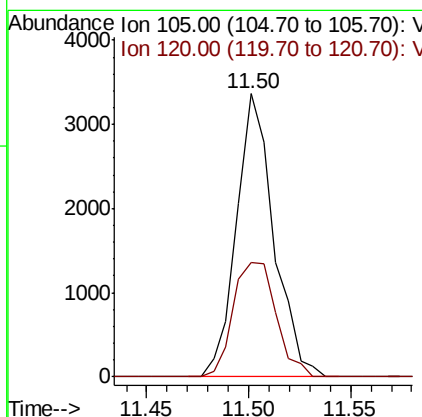
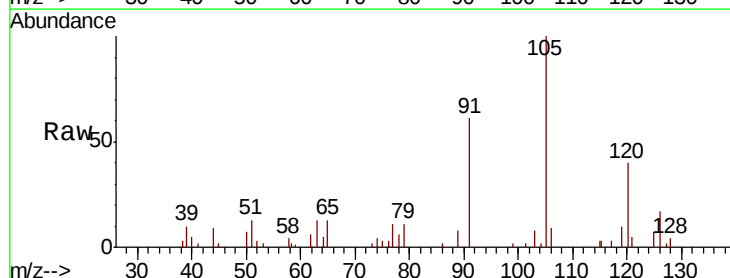
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

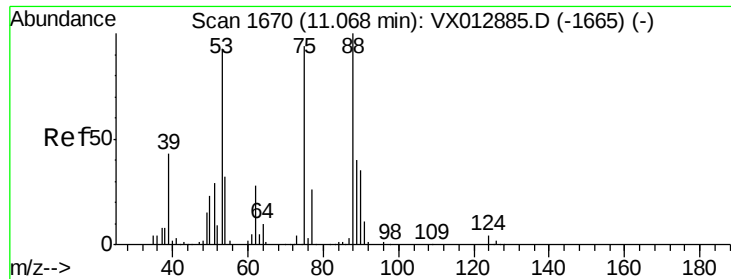
Tot Ion: 91 Resp: 3560
 Ion Ratio Lower Upper
 91 100
 126 31.0 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 0.670 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

Tgt Ion: 105 Resp: 4266
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 56.809 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

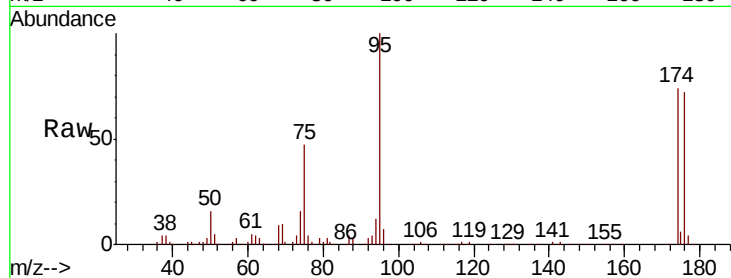
Tot Ion: 75 Resp: 51397

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

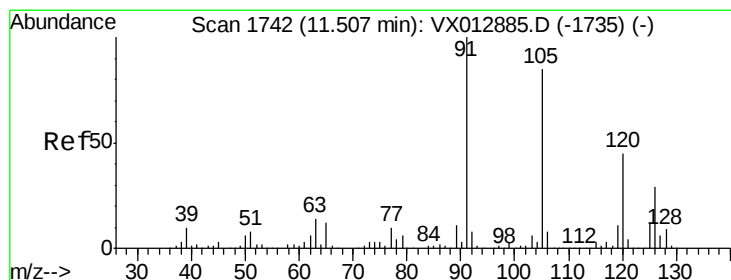
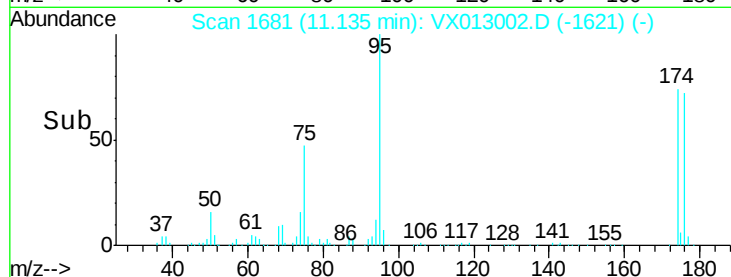
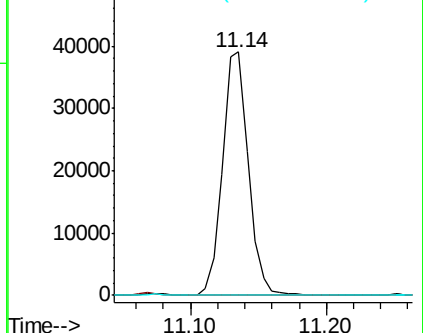
89 0.1 37.4 56.2#



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: 0.643 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013002.D

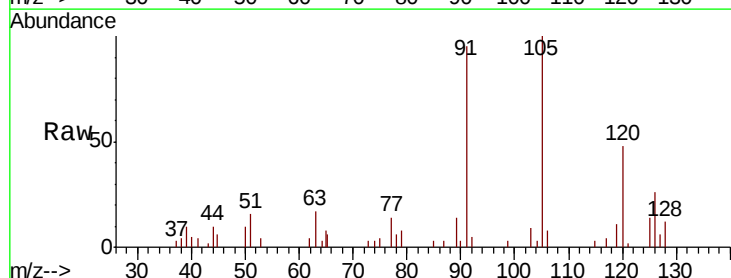
Acq: 10 Oct 2019 17:40

Tgt Ion: 91 Resp: 3890

Ion Ratio Lower Upper

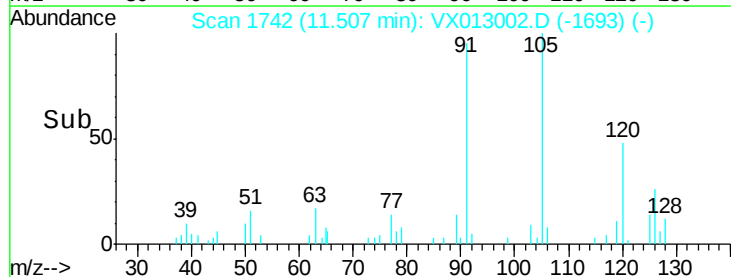
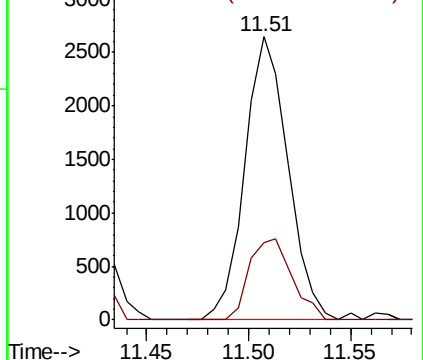
91 100

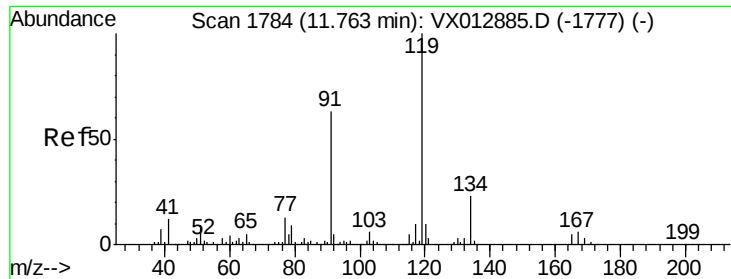
126 28.4 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

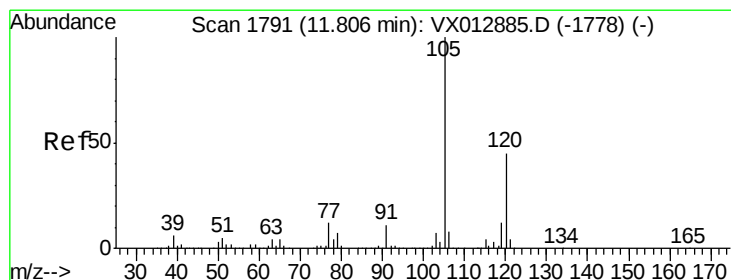
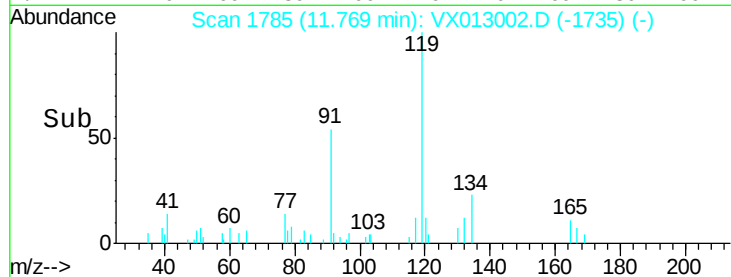
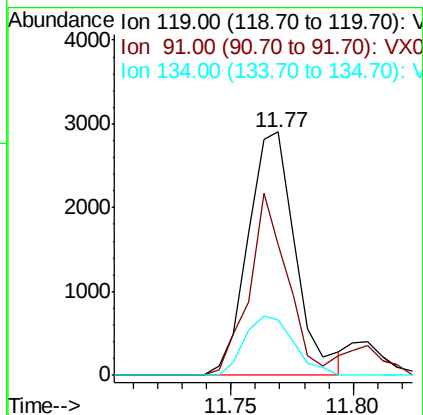
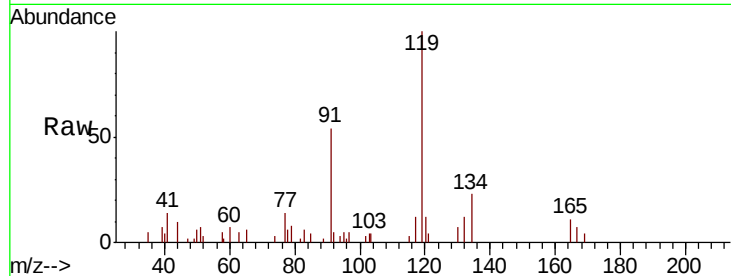




#83
tert-Butylbenzene
Concen: 0.631 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

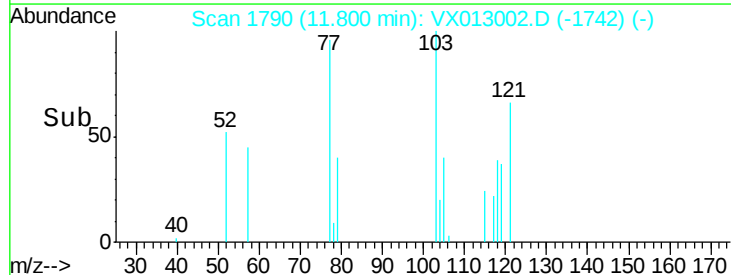
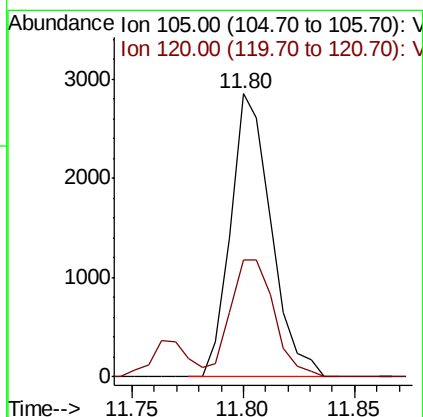
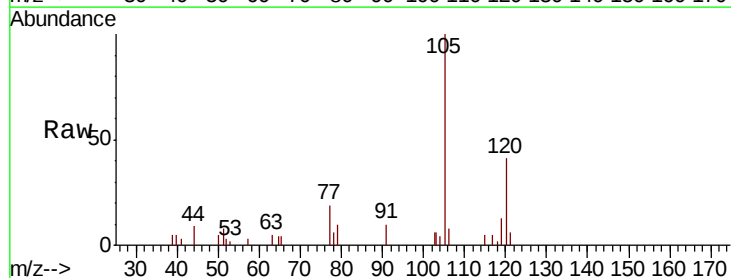
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

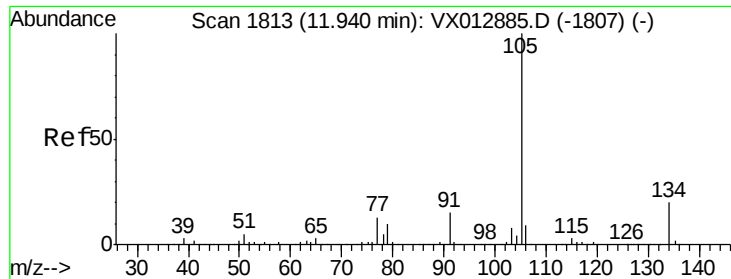
Tot Ion:119 Resp: 3924
Ion Ratio Lower Upper
119 100
91 60.4 29.3 87.9
134 25.2 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 0.559 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion:105 Resp: 3610
Ion Ratio Lower Upper
105 100
120 44.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 0.599 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

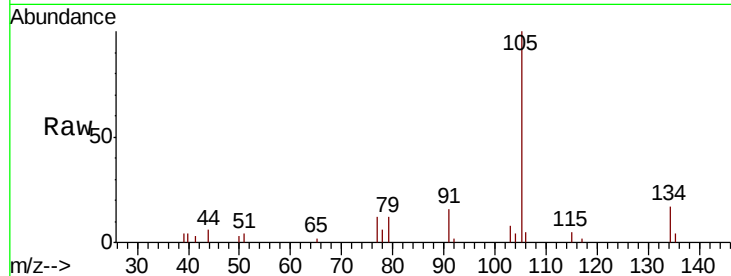
LOD-MDL-WATER-01-QT4-2019

Tot Ion:105 Resp: 4312

Ion Ratio Lower Upper

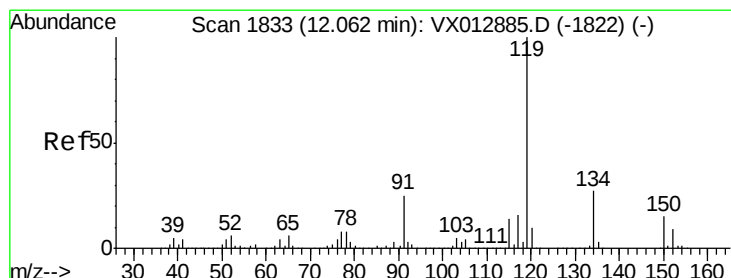
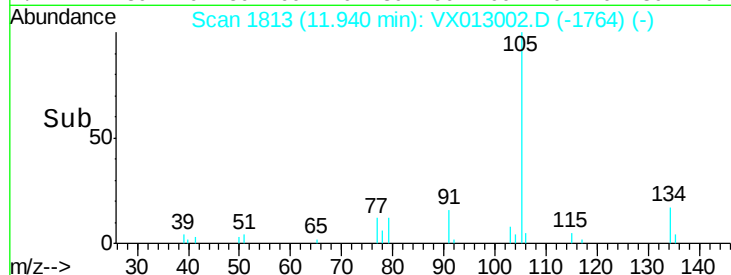
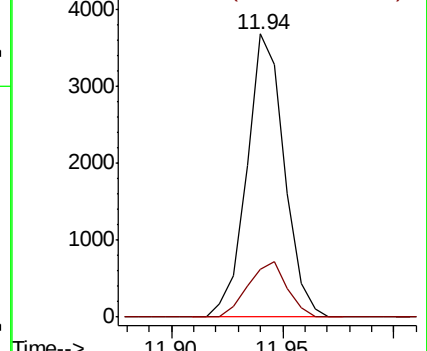
105 100

134 20.4 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.545 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013002.D

Acq: 10 Oct 2019 17:40

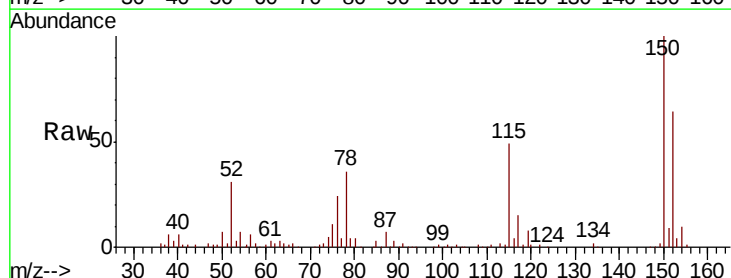
Tgt Ion:119 Resp: 3640

Ion Ratio Lower Upper

119 100

134 32.1 12.6 37.8

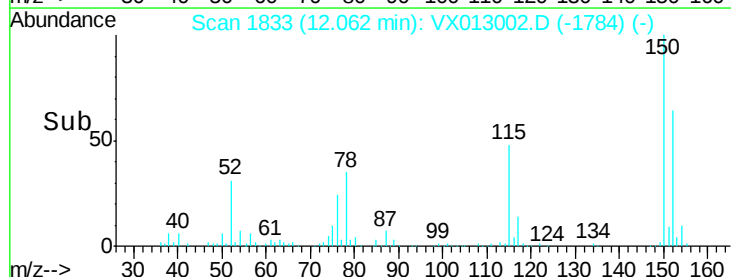
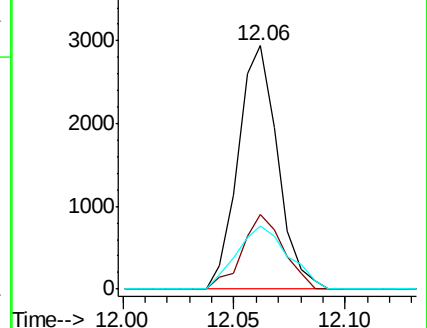
91 34.0 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

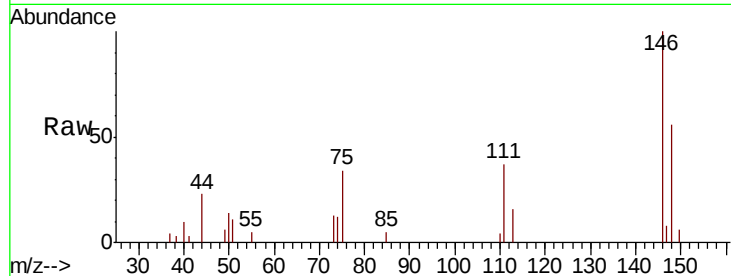




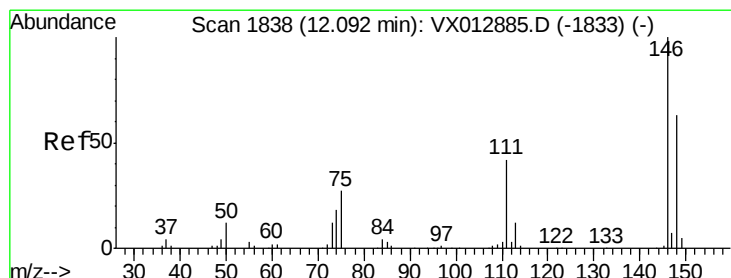
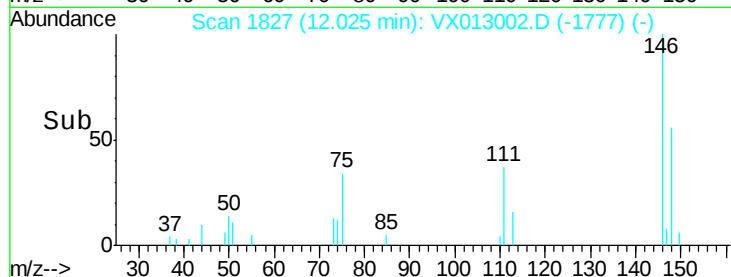
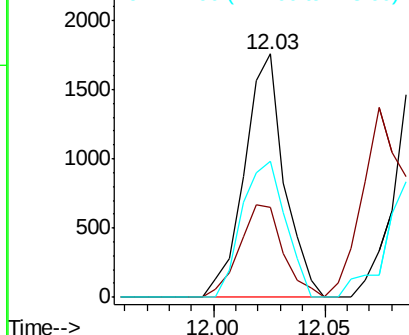
#87
 1,3-Dichlorobenzene
 Concen: 0.656 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion:146 Resp: 2191
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.1 63.4
 148 61.1 31.6 95.0

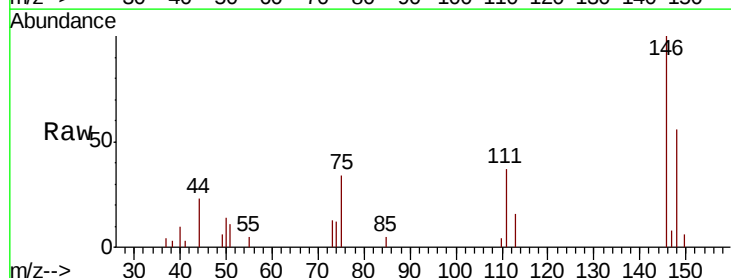


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

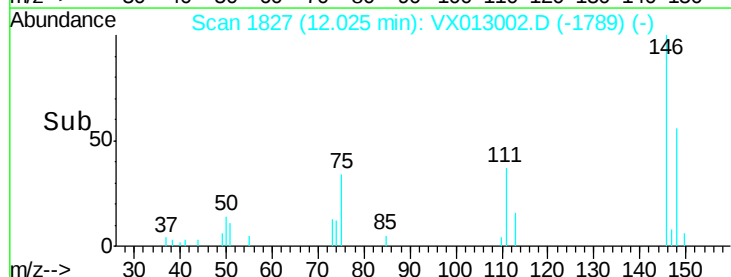
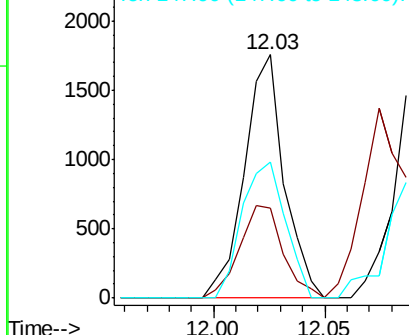


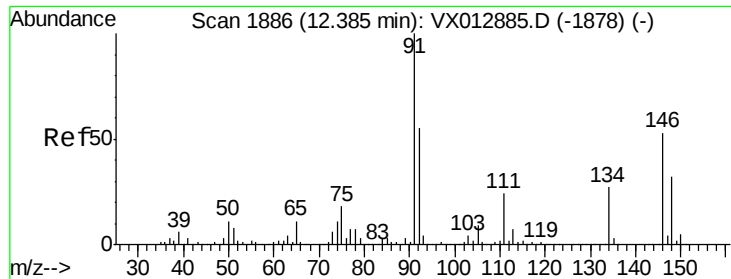
#88
 1,4-Dichlorobenzene
 Concen: 0.648 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. -0.07 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

Tgt Ion:146 Resp: 2191
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.4 64.3
 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

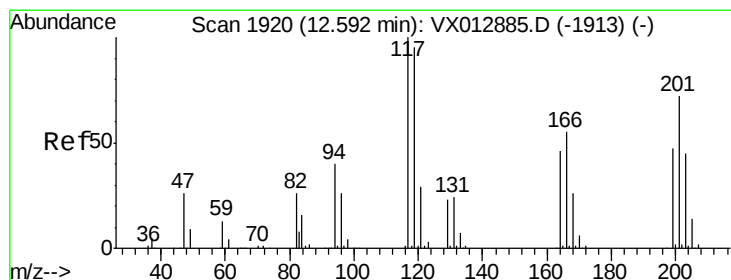
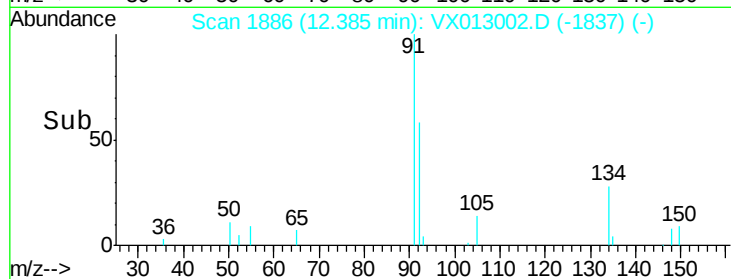
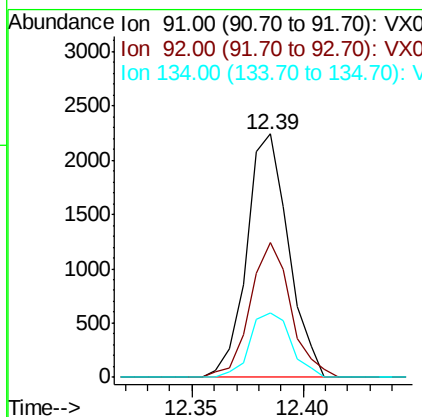
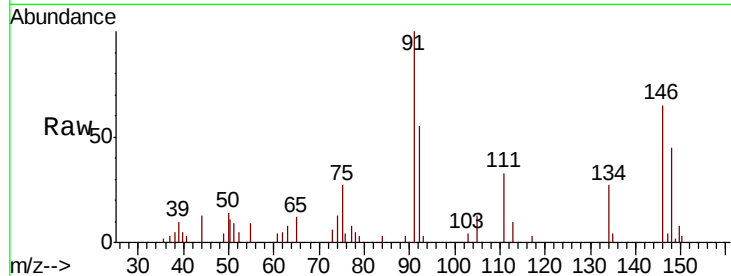




#89
n-Butylbenzene
Concen: 0.523 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

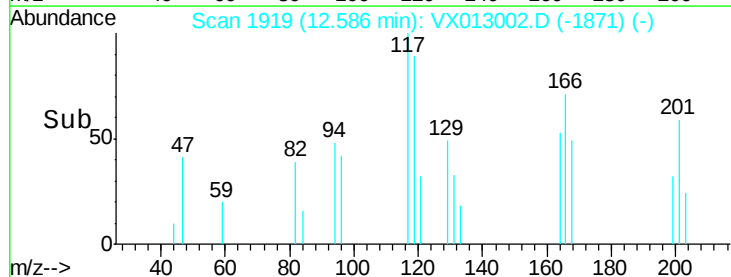
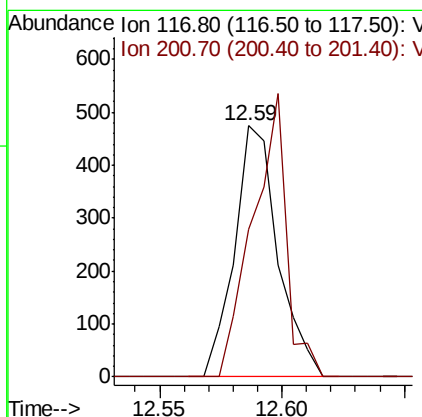
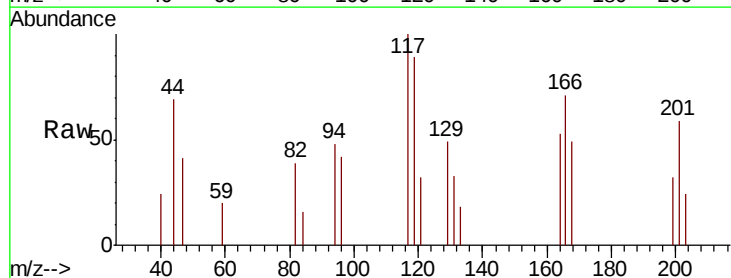
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

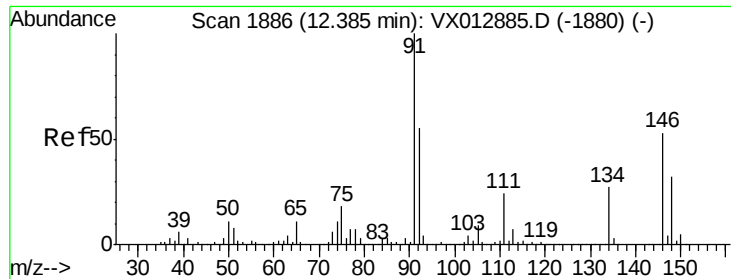
Tot Ion: 91 Resp: 2933
Ion Ratio Lower Upper
91 100
92 54.2 27.5 82.5
134 26.2 12.9 38.7



#90
Hexachloroethane
Concen: 2.573 ug/l
RT: 12.59 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion: 117 Resp: 587
Ion Ratio Lower Upper
117 100
201 87.9 36.9 110.7

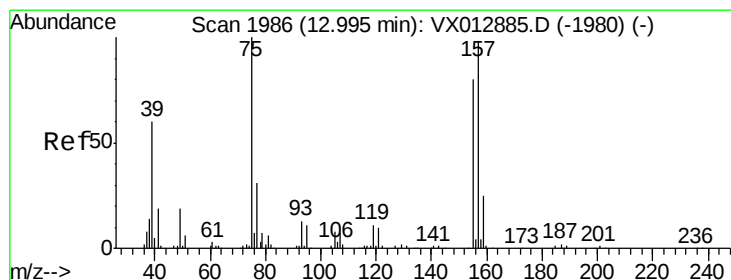
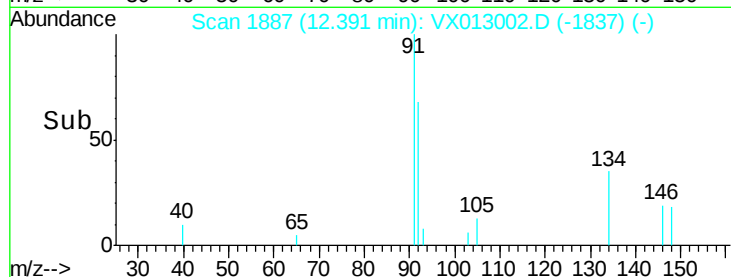
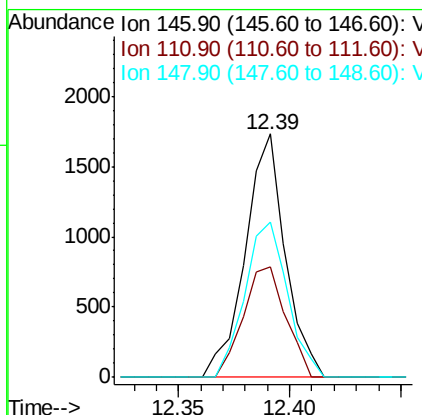
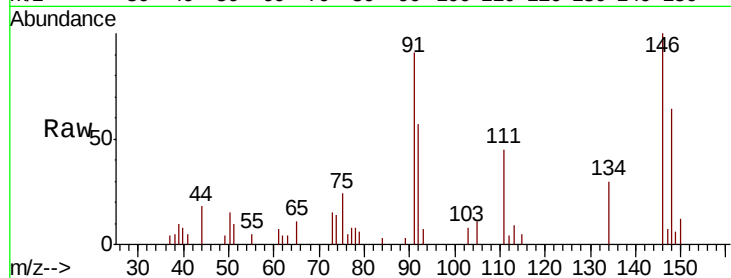




#91
 1,2-Dichlorobenzene
 Concen: 0.663 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

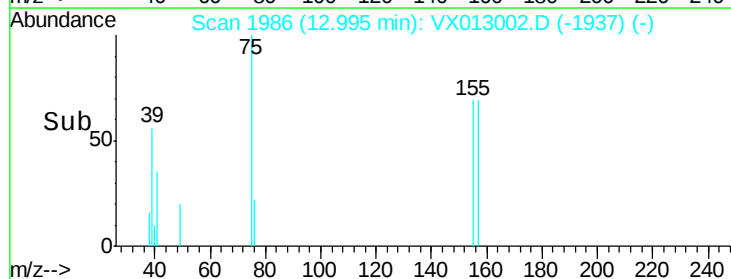
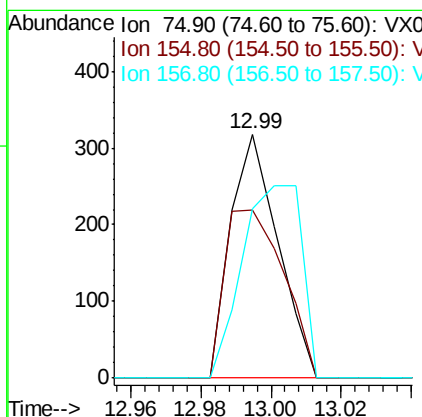
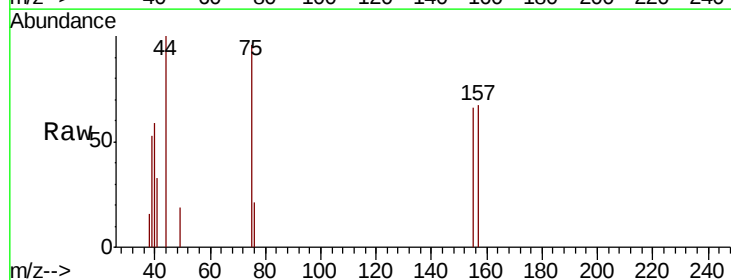
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

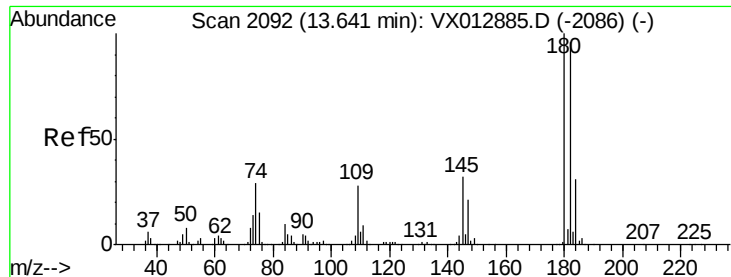
Tot Ion:146 Resp: 2169
 Ion Ratio Lower Upper
 146 100
 111 48.1 22.7 68.0
 148 68.0 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.503 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

Tgt Ion: 75 Resp: 299
 Ion Ratio Lower Upper
 75 100
 155 86.0 43.0 128.8
 157 99.3 54.1 162.3

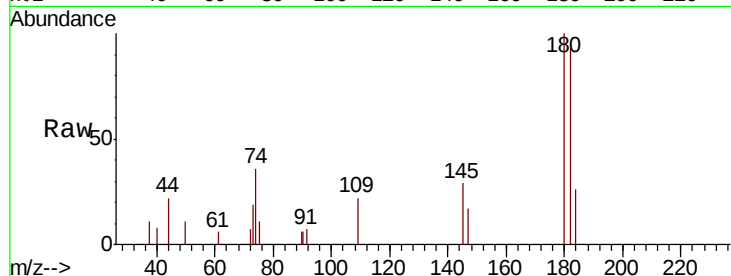




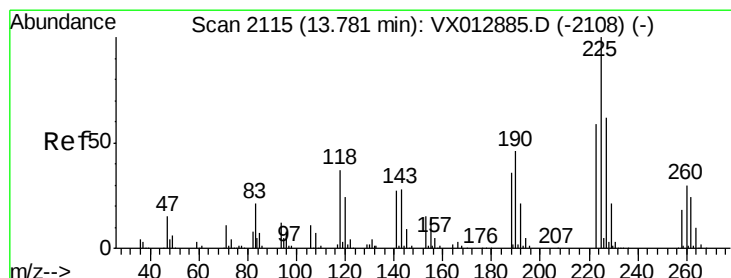
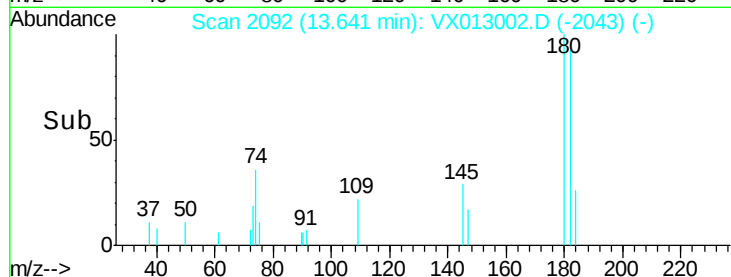
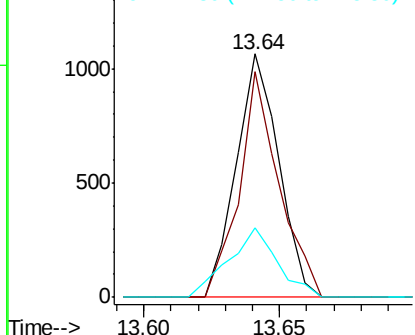
#93
 1,2,4-Trichlorobenzene
 Concen: 0.561 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion:180 Resp: 1150
 Ion Ratio Lower Upper
 180 100
 182 87.0 46.8 140.4
 145 33.1 16.2 48.6

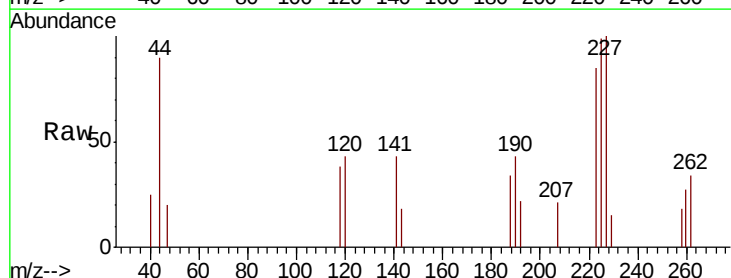


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

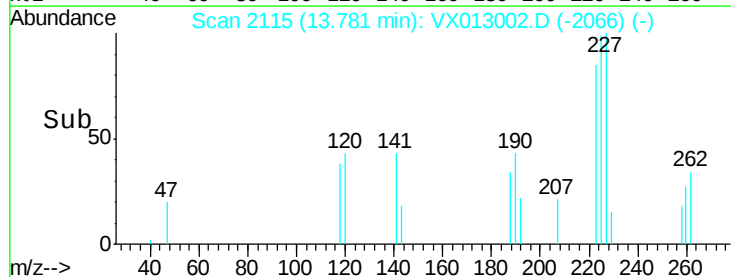
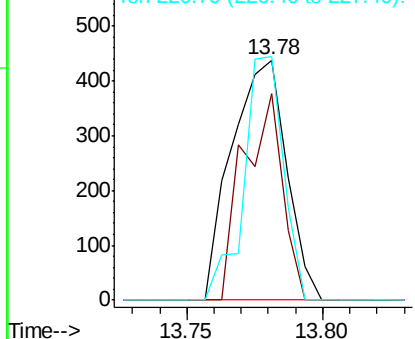


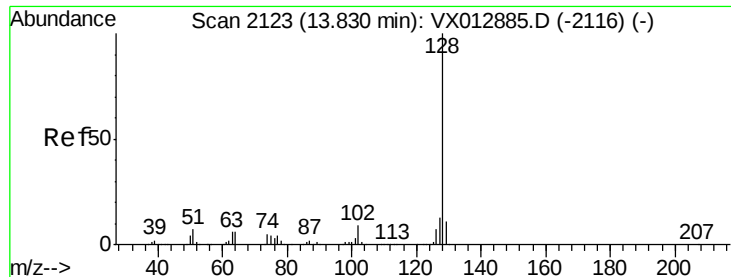
#94
 Hexachlorobutadiene
 Concen: 0.648 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX013002.D
 Acq: 10 Oct 2019 17:40

Tgt Ion:225 Resp: 613
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.2
 227 72.9 32.3 96.9



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

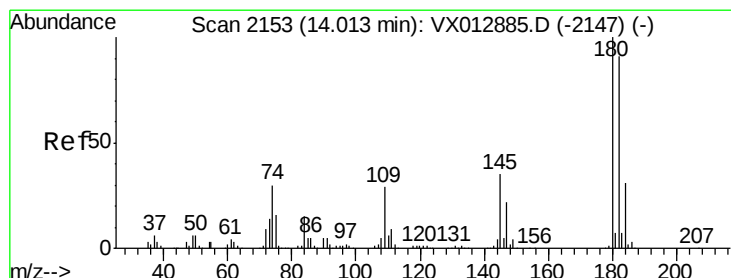
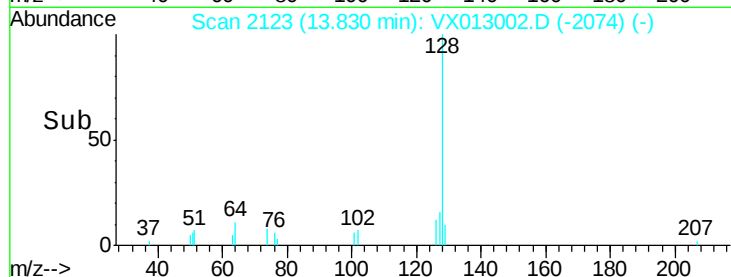
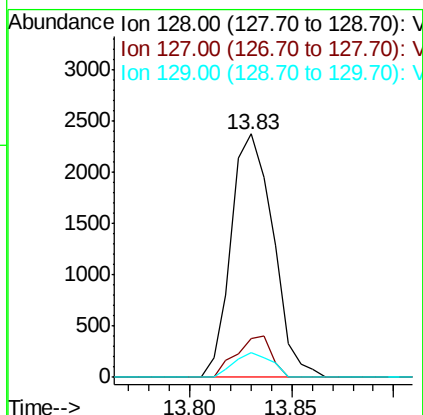
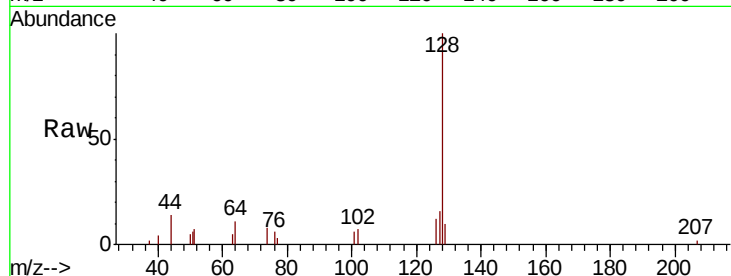




#95
Naphthalene
Concen: 0.478 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion:128 Resp: 3398
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.4
129 8.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.539 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013002.D
Acq: 10 Oct 2019 17:40

Tgt Ion:180 Resp: 1142
Ion Ratio Lower Upper
180 100
182 106.8 47.5 142.5
145 32.7 17.4 52.3

