

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013159.D
 Acq On : 21 Oct 2019 18:04
 Operator : JC/SP
 Sample : K5111-08 5PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Quant Time: Oct 22 01:59:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	26362	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	152993	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	135083	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	62206	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	11.14	95	69336	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	8.71	98	185434	30.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	8703	4.598	ug/l 96
3) Chloromethane	1.32	50	8518	5.162	ug/l 98
4) Vinyl Chloride	1.40	62	8124	4.762	ug/l 93
5) Bromomethane	1.63	94	5184	5.631	ug/l 91
6) Chloroethane	1.72	64	5318	4.885	ug/l 99
7) Trichlorofluoromethane	1.92	101	12976	4.733	ug/l 94
8) Diethyl Ether	2.18	74	4558	4.871	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8252	4.928	ug/l 93
10) 1,1-Dichloroethene	2.36	96	7763	4.800	ug/l 88
11) Methyl Iodide	2.50	142	7124	3.420	ug/l 91
12) Methyl Acetate	3.19	43	5238	2.508	ug/l 94
13) Acrolein	2.28	56	6269	20.166	ug/l 98
14) Acrylonitrile	3.13	53	22617	25.896	ug/l 100
15) Acetone	2.44	58	7062	24.543	ug/l 85
16) Carbon Disulfide	2.56	76	19991	4.629	ug/l 98
17) Allyl chloride	2.72	41	12412	4.825	ug/l 96
18) Methylene Chloride	2.85	84	9641	5.149	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	8484	4.944	ug/l 97
20) Diisopropyl ether	3.85	45	24910	5.007	ug/l 97
21) 1,1-Dichloroethane	3.69	63	15185	5.027	ug/l # 96
22) cis-1,2-Dichloroethene	4.59	96	9971	5.095	ug/l 98
23) tert-Butyl Alcohol	3.03	59	14064	30.565	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	27606	4.950	ug/l 95
25) Chloroform	5.20	83	15734	4.956	ug/l 93
26) Cyclohexane	5.58	56	12900	4.867	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	10844	4.563	ug/l # 84
30) 2-Butanone	4.66	43	32796	26.306	ug/l 96
31) 2,2-Dichloropropane	4.58	77	12816	4.664	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	13208	4.592	ug/l # 87
33) Carbon Tetrachloride	5.78	117	11179	4.522	ug/l # 94
34) Benzene	6.14	78	33732	4.930	ug/l 99
35) Methacrylonitrile	5.03	41	6563	5.133	ug/l 90
36) 1,2-Dichloroethane	6.19	62	12262	4.741	ug/l 100
37) Trichloroethene	7.21	130	9468	4.989	ug/l 87
38) Methylcyclohexane	7.45	83	13329	4.598	ug/l 98
39) 1,2-Dichloropropane	7.51	63	8380	4.990	ug/l 97
40) Dibromomethane	7.65	93	6041	5.036	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	10495	4.339	ug/l	100
42) Vinyl Acetate	3.80	43	104254	24.115	ug/l	98
43) Ethyl Acetate	4.83	43	12360	5.436	ug/l #	84
44) Isopropyl Acetate	6.44	43	18935	4.955	ug/l	100
45) 1,4-Dioxane	7.74	88	5011	103.681	ug/l	98
46) Methyl methacrylate	7.76	41	8577	4.561	ug/l	91
47) n-amyl Acetate	10.90	43	14134	4.387	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	11074	4.174	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	12626	4.373	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	8711	4.917	ug/l	94
51) Ethyl methacrylate	9.17	69	12269	4.417	ug/l	98
52) 1,3-Dichloropropane	9.37	76	14219	4.766	ug/l	98
53) Dibromochloromethane	9.57	129	7576	3.965	ug/l	95
54) 1,2-Dibromoethane	9.67	107	9228	4.872	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	28100	24.903	ug/l	99
56) Bromoform	10.85	173	5121	3.777	ug/l	97
58) 4-Methyl-2-Pentanone	8.64	43	58608	25.748	ug/l	99
59) 2-Hexanone	9.49	43	44024	24.679	ug/l	99
61) Tetrachloroethene	9.33	164	9581	5.350	ug/l	94
62) Toluene	8.78	91	38044	5.217	ug/l	97
64) Chlorobenzene	10.14	112	23330	4.990	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	7957	4.543	ug/l	98
66) Ethyl Benzene	10.25	91	39882	4.752	ug/l	98
67) m/p-Xylenes	10.36	106	30872	9.678	ug/l	99
68) o-Xylene	10.70	106	14723	4.835	ug/l	97
69) Styrene	10.71	104	24229	4.624	ug/l	98
70) Isopropylbenzene	11.01	105	40095	4.799	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	12532	4.895	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	14542	6.539	ug/l	90
73) Bromobenzene	11.25	156	9182	4.579	ug/l	96
74) n-propylbenzene	11.35	91	42097	4.590	ug/l	98
75) 2-Chlorotoluene	11.42	91	27343	4.765	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	32531	4.638	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	3226	3.736	ug/l	93
78) 4-Chlorotoluene	11.51	91	31090	4.741	ug/l	99
79) tert-butylbenzene	11.76	119	31245	4.626	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	31284	4.465	ug/l	98
81) sec-Butylbenzene	11.94	105	36623	4.552	ug/l	97
82) p-Isopropyltoluene	12.06	119	34098	4.635	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	17230	4.705	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	16957	4.682	ug/l	97
85) n-Butylbenzene	12.39	91	26005	4.162	ug/l	100
86) Hexachloroethane	12.59	117	5042	3.927	ug/l	91
87) 1,2-Dichlorobenzene	12.39	146	16920	4.763	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	2676	4.242	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	9742	4.410	ug/l	94
90) Hexachlorobutadiene	13.78	225	4708	4.197	ug/l	95
91) Naphthalene	13.83	128	29597	4.119	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	9889	4.369	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration

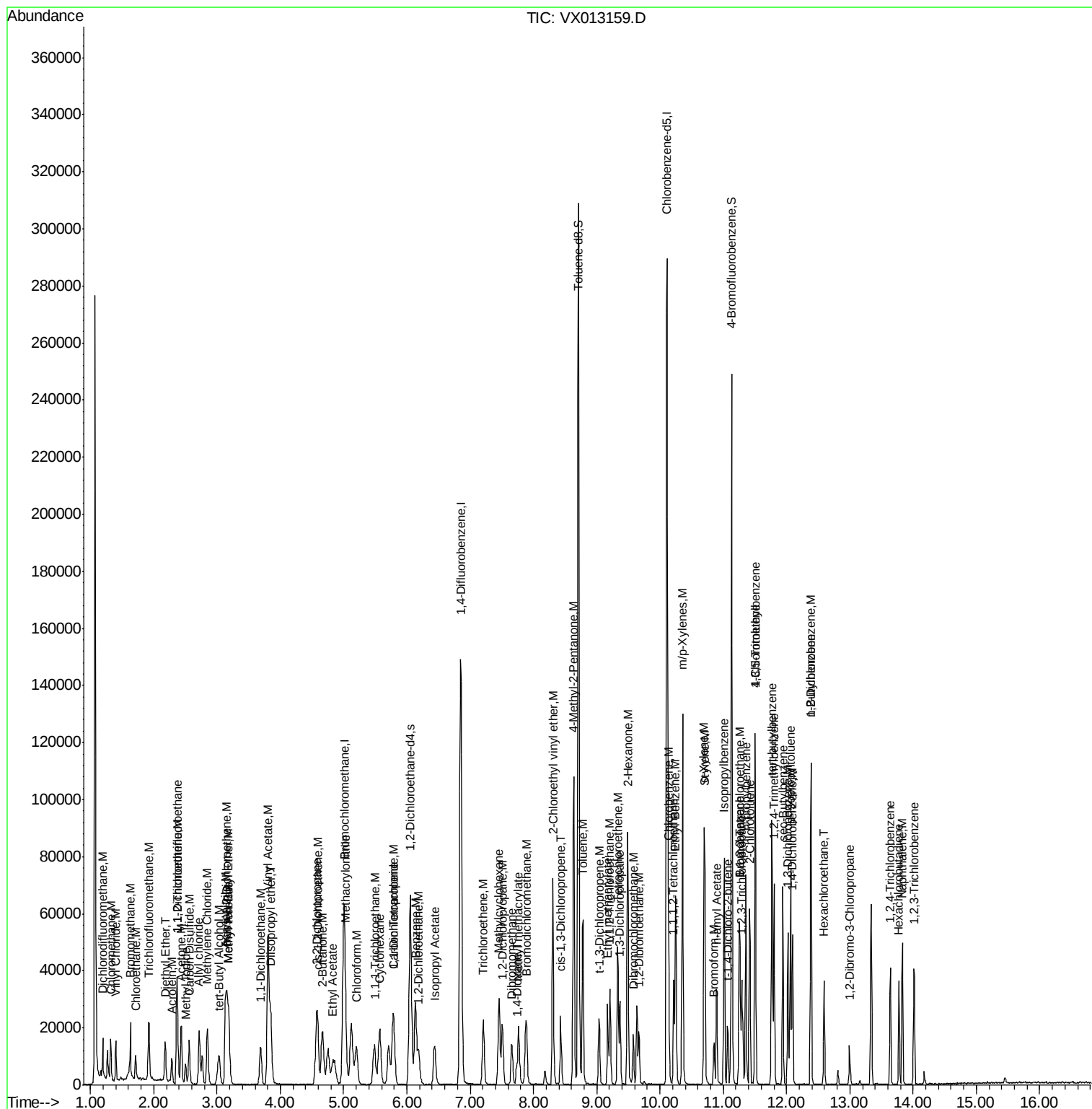
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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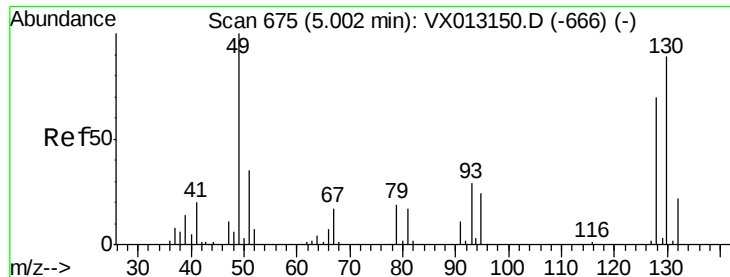
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102119\
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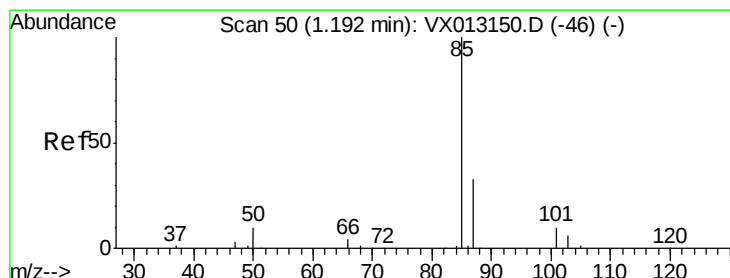
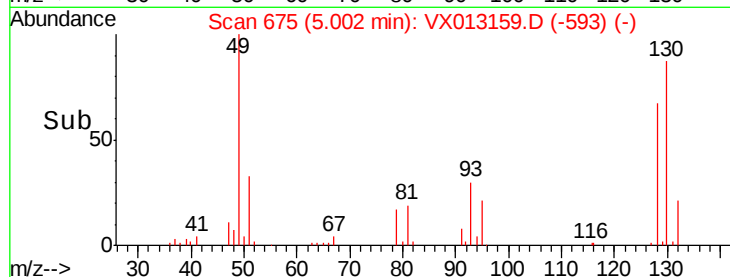
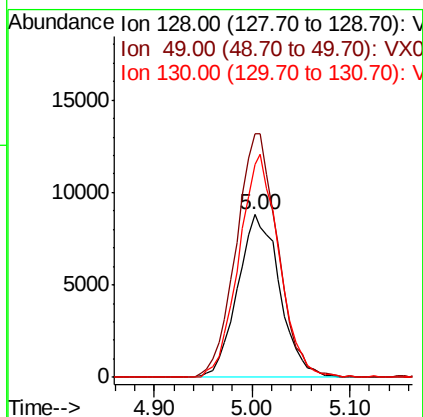
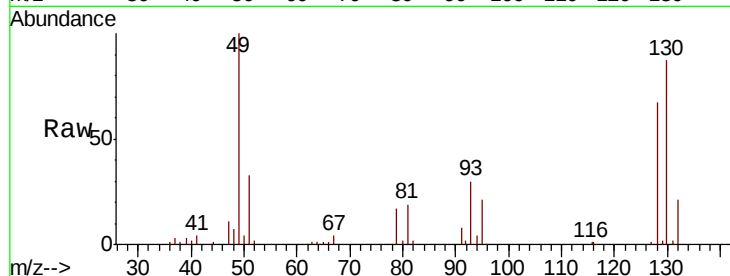




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

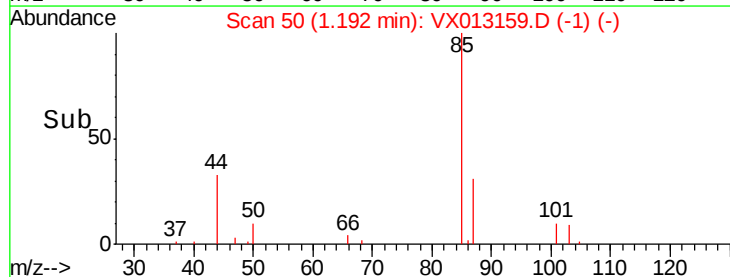
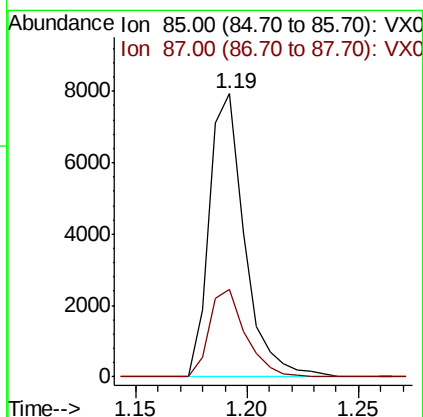
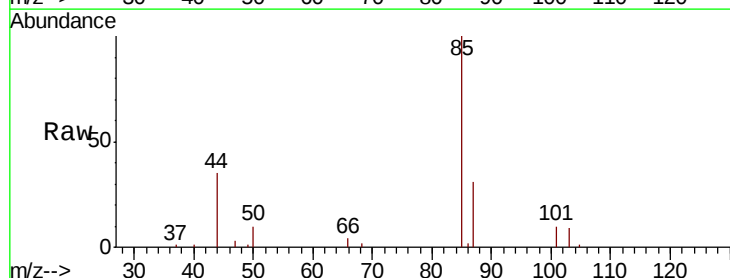
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

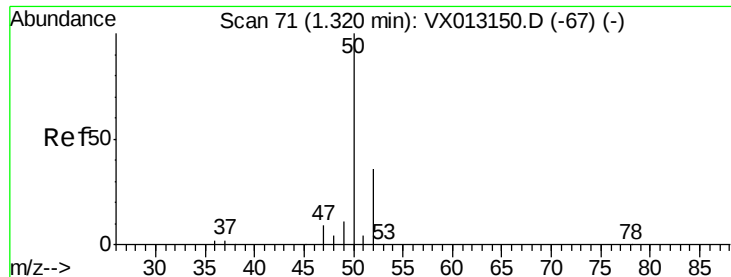
Tot Ion:128 Resp: 26362
 Ion Ratio Lower Upper
 128 100
 49 147.1 0.0 367.3
 130 130.7 0.0 325.0



#2
 Dichlorodifluoromethane
 Concen: 4.598 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion: 85 Resp: 8703
 Ion Ratio Lower Upper
 85 100
 87 31.0 16.6 49.7





#3

Chloromethane

Concen: 5.162 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

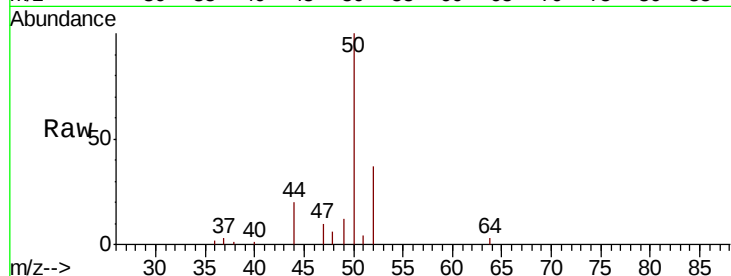
LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 8518

Ion Ratio Lower Upper

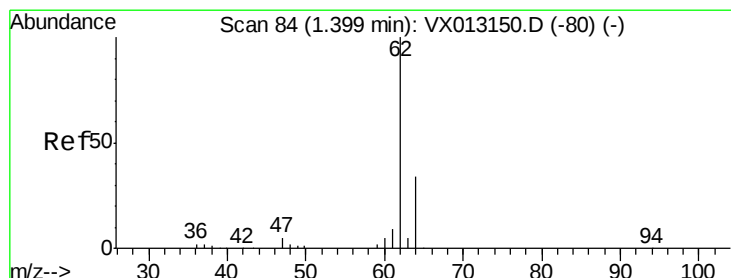
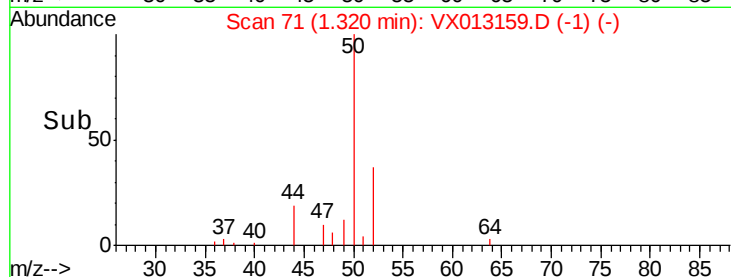
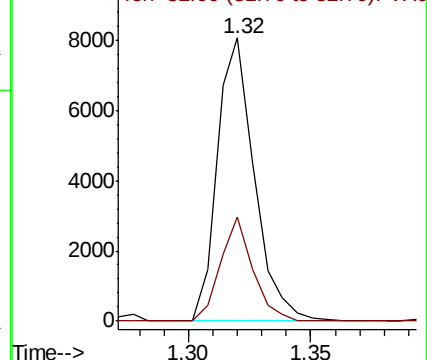
50 100

52 36.8 28.6 42.8



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 4.762 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013159.D

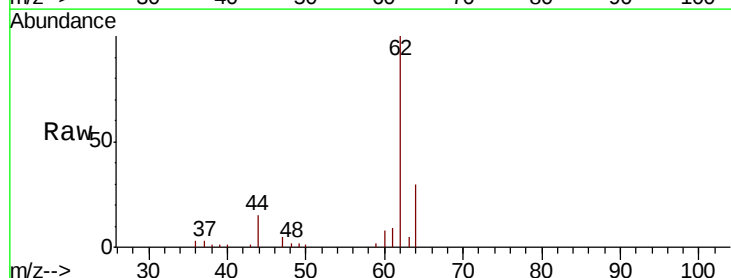
Acq: 21 Oct 2019 18:04

Tgt Ion: 62 Resp: 8124

Ion Ratio Lower Upper

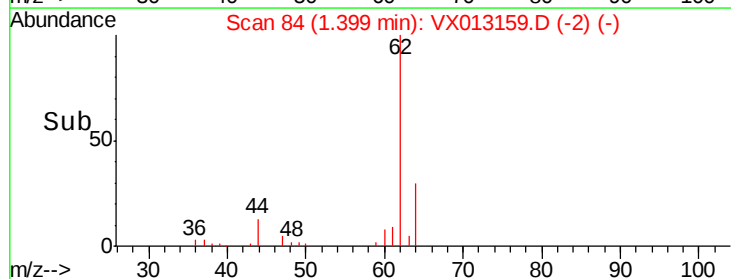
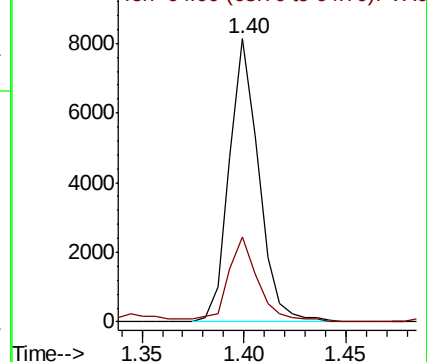
62 100

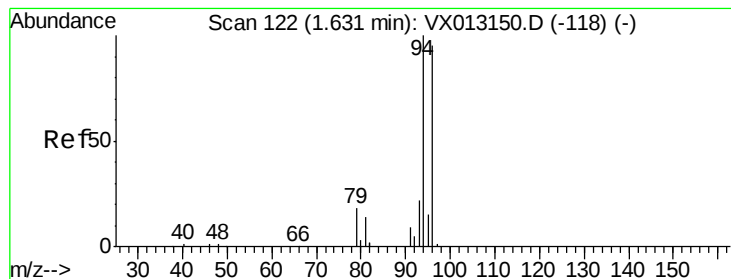
64 30.0 27.3 40.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 5.631 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

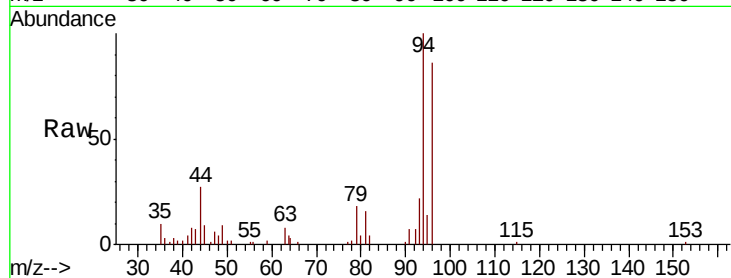
LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 5184

Ion Ratio Lower Upper

94 100

96 86.1 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

6000

5000

4000

3000

2000

1000

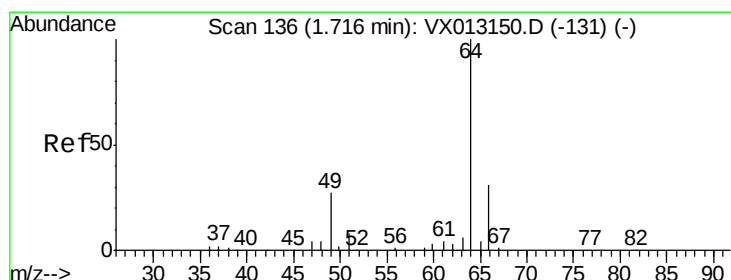
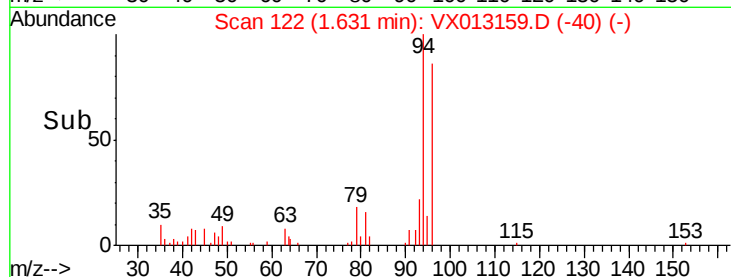
0

1.60

1.63

1.65

Time-->



#6

Chloroethane

Concen: 4.885 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013159.D

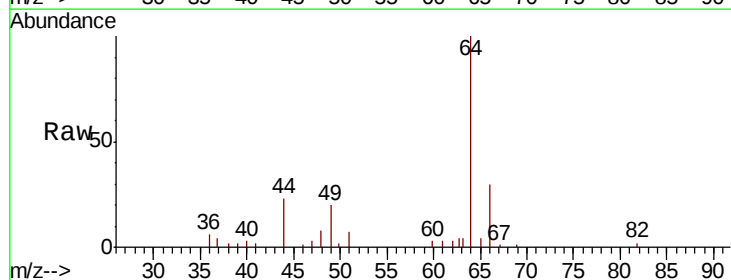
Acq: 21 Oct 2019 18:04

Tgt Ion: 64 Resp: 5318

Ion Ratio Lower Upper

64 100

66 32.3 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

5000

4000

3000

2000

1000

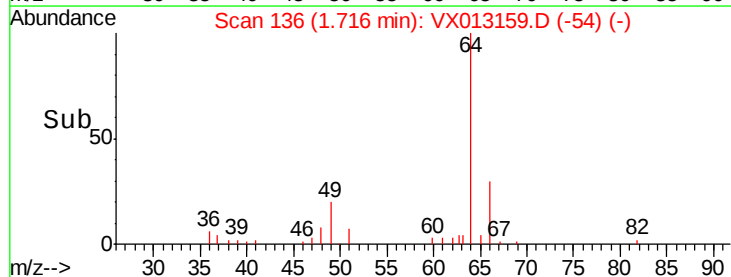
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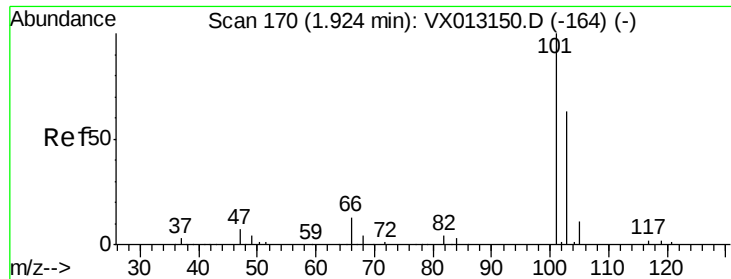
1.70

1.72

1.75

Time-->



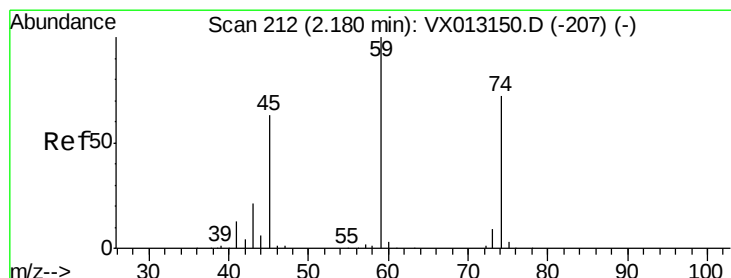
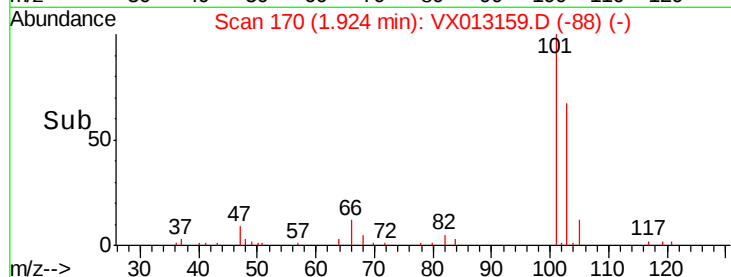
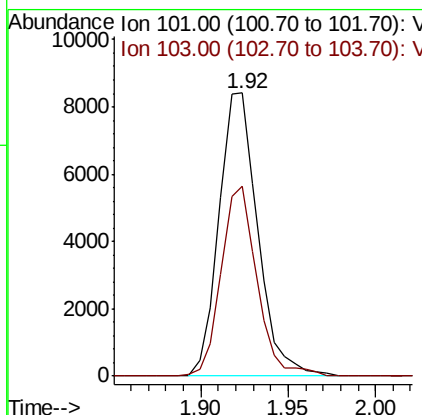
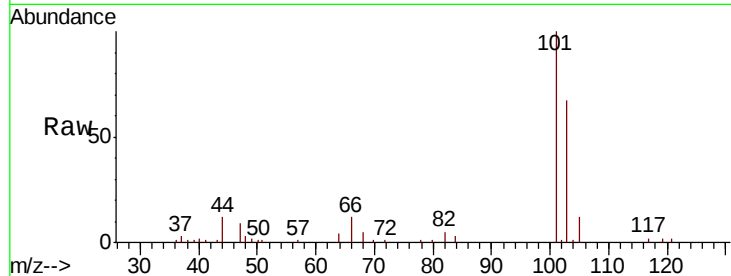


#7

Trichlorofluoromethane
 Concen: 4.733 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

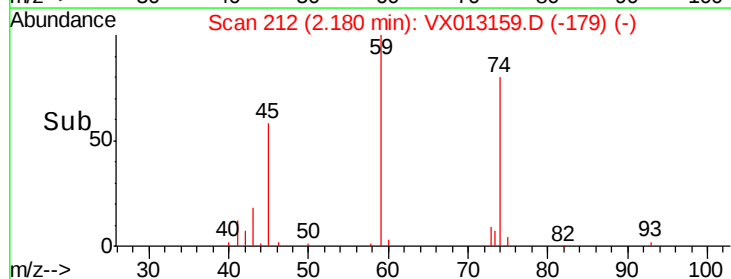
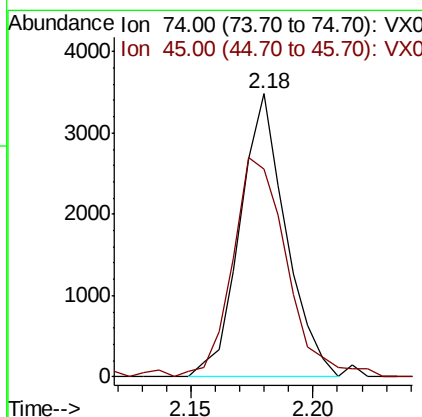
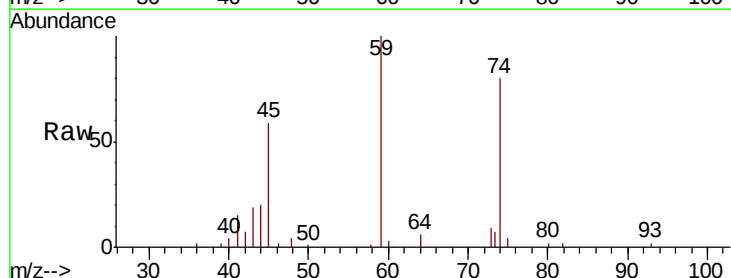
Tot Ion:101 Resp: 12976
 Ion Ratio Lower Upper
 101 100
 103 67.3 50.2 75.4

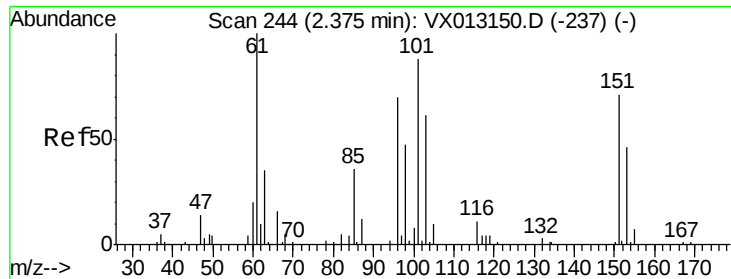


#8

Diethyl Ether
 Concen: 4.871 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion: 74 Resp: 4558
 Ion Ratio Lower Upper
 74 100
 45 90.8 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.928 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

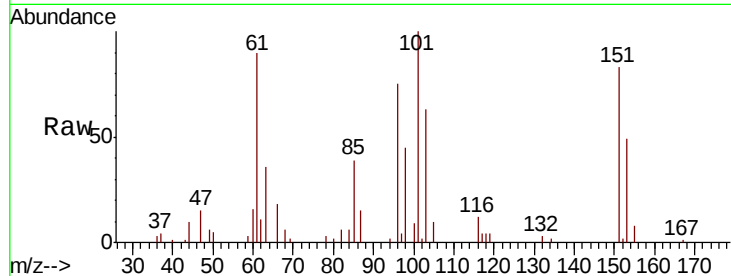
Tot Ion:101 Resp: 8252

Ion Ratio Lower Upper

101 100

85 41.6 0.0 87.2

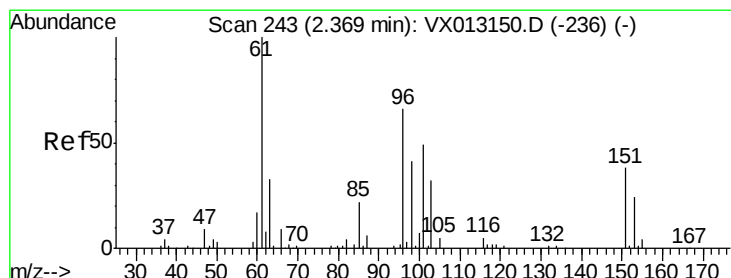
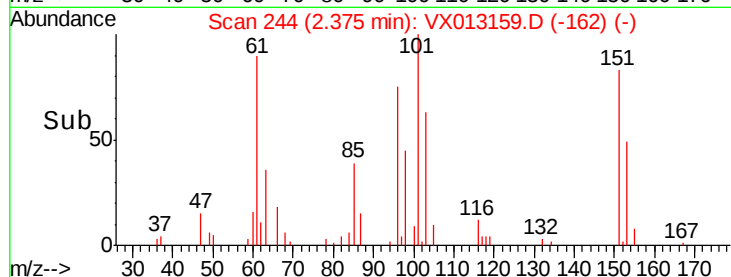
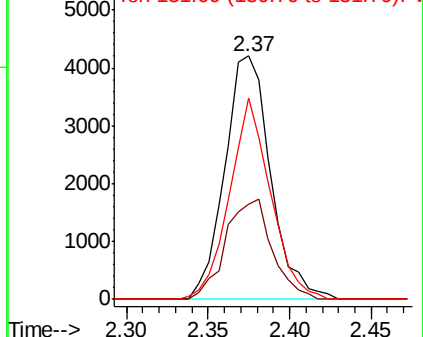
151 73.9 0.0 163.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 4.800 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

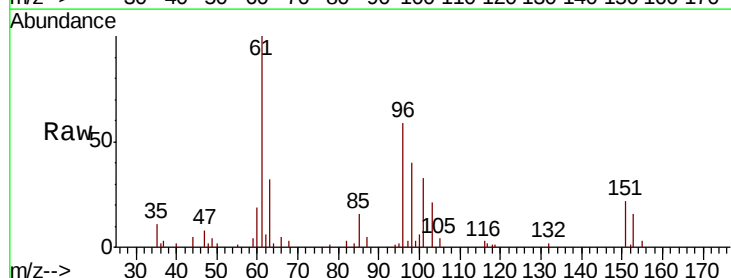
Tgt Ion: 96 Resp: 7763

Ion Ratio Lower Upper

96 100

61 169.7 121.3 181.9

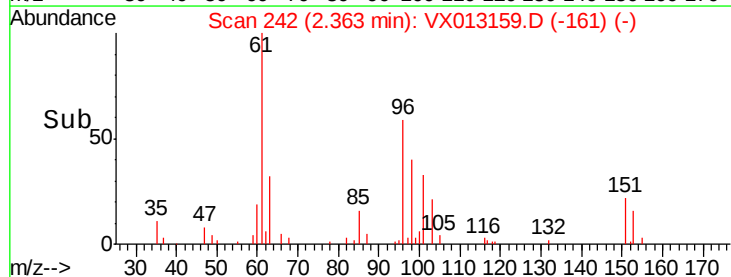
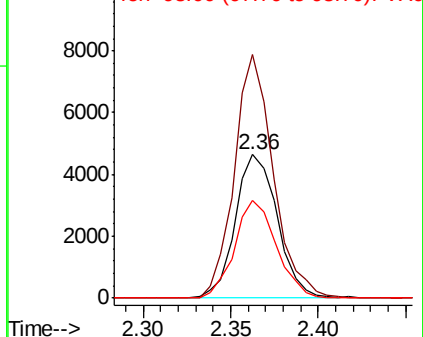
98 68.3 49.5 74.3

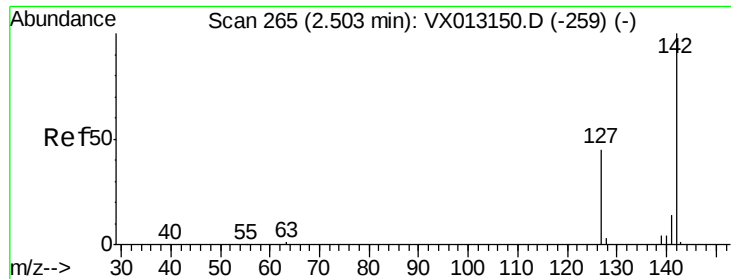


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

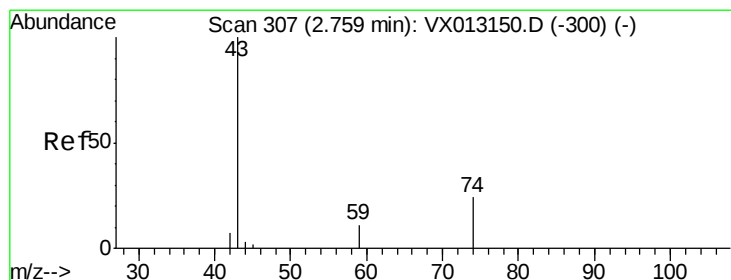
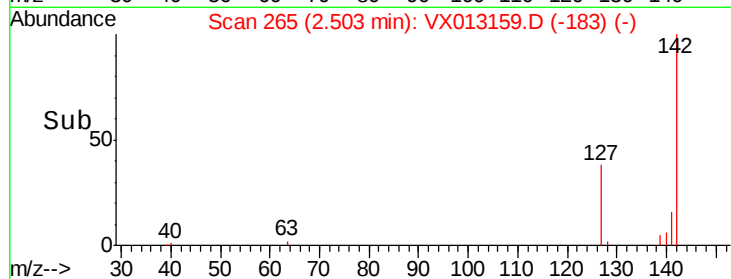
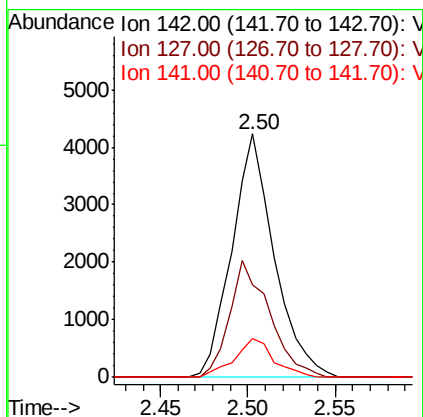
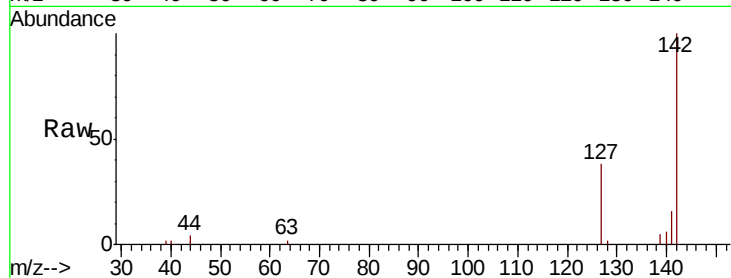




#11
Methyl Iodide
Concen: 3.420 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

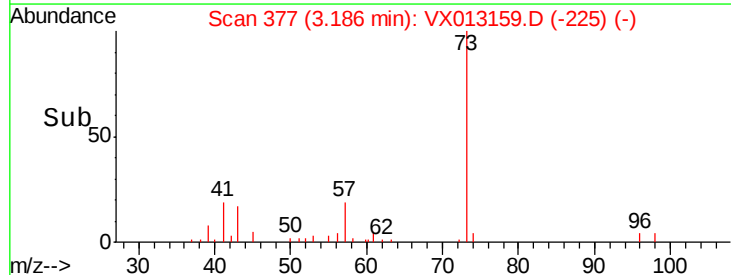
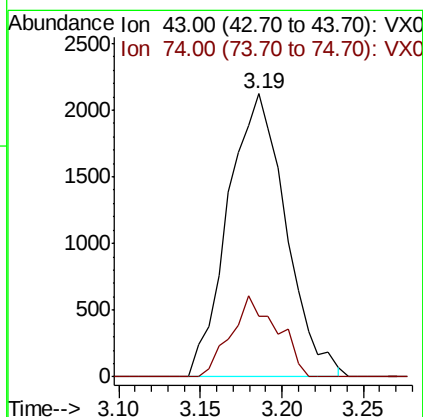
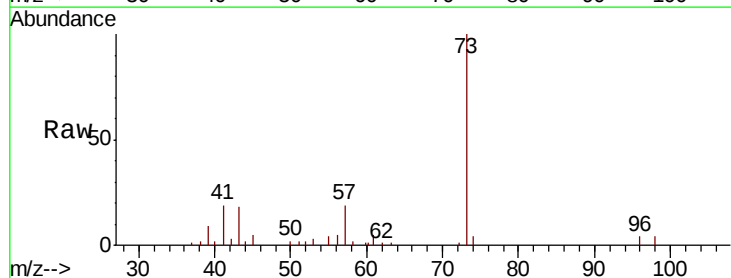
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

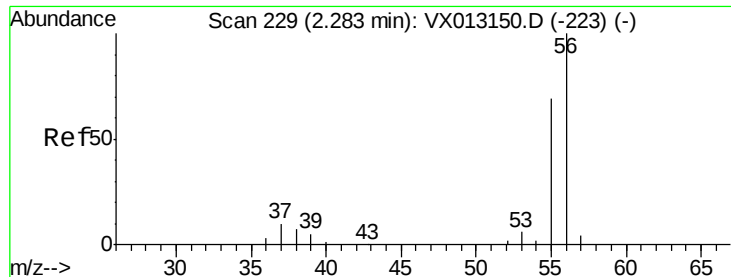
Tot Ion:142 Resp: 7124
Ion Ratio Lower Upper
142 100
127 37.9 22.3 66.9
141 16.1 7.1 21.3



#12
Methyl Acetate
Concen: 2.508 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.43 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 43 Resp: 5238
Ion Ratio Lower Upper
43 100
74 21.8 19.7 29.5





#13

Acrolein

Concen: 20.166 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

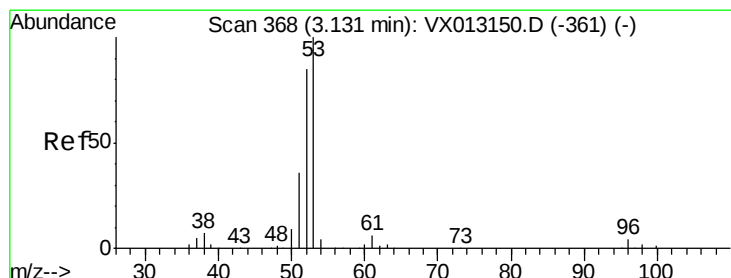
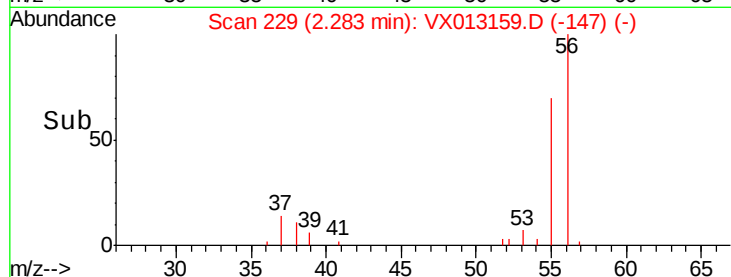
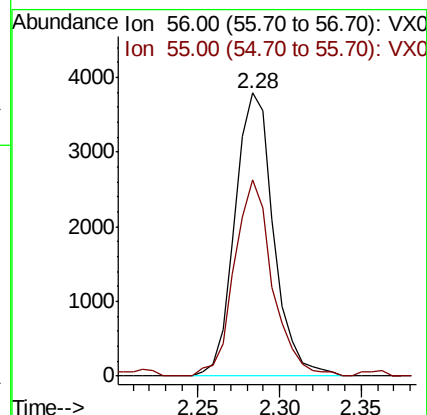
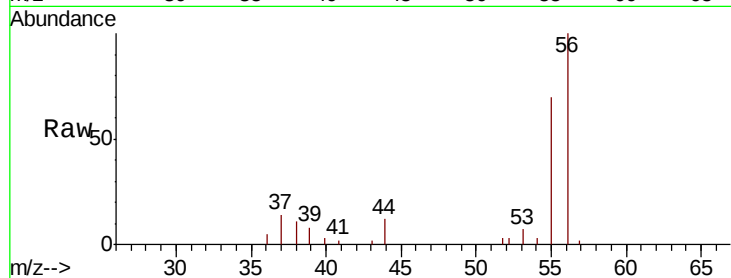
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 6269

Ion Ratio Lower Upper

56 100

55 68.1 55.8 83.8



#14

Acrylonitrile

Concen: 25.896 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

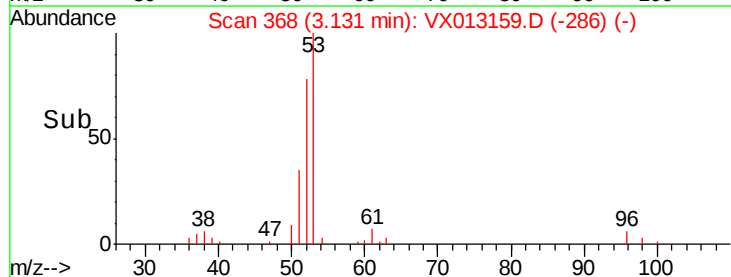
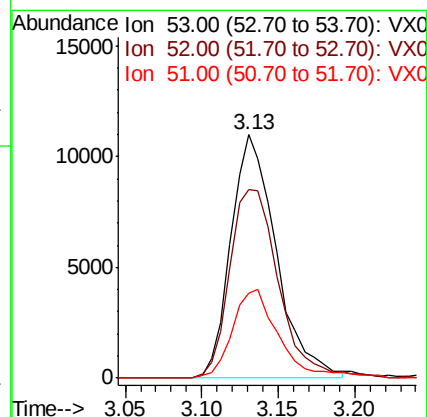
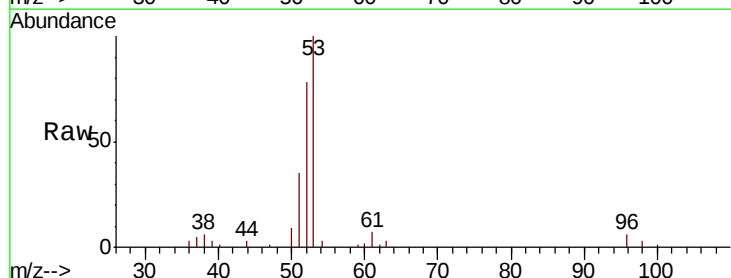
Tgt Ion: 53 Resp: 22617

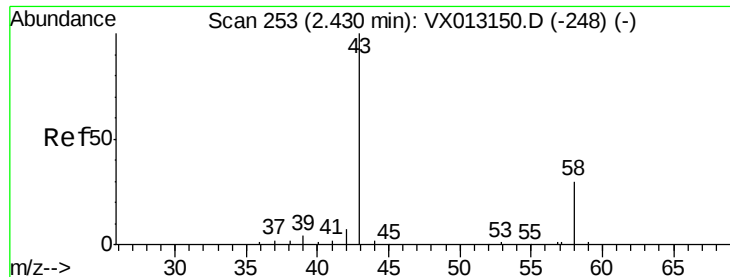
Ion Ratio Lower Upper

53 100

52 84.0 42.0 126.0

51 37.0 18.6 56.0





#15

Acetone

Concen: 24.543 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

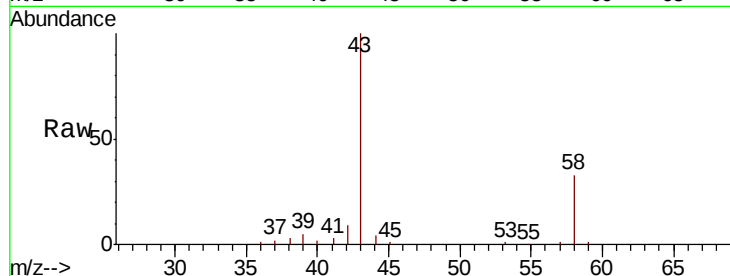
LOQ-WATER-02-QT4-2019

Tot Ion: 58 Resp: 7062

Ion Ratio Lower Upper

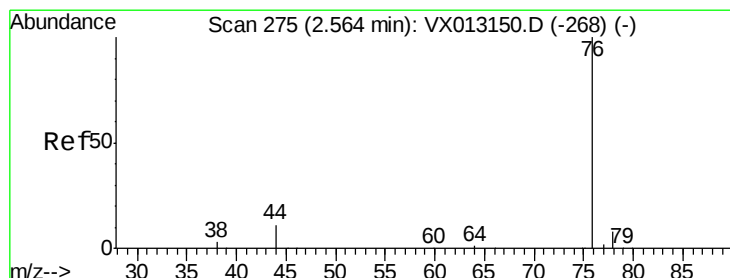
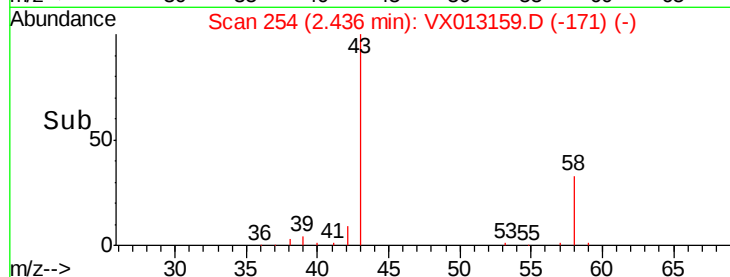
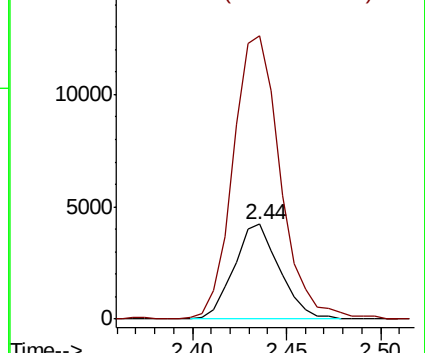
58 100

43 297.6 262.8 394.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 4.629 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013159.D

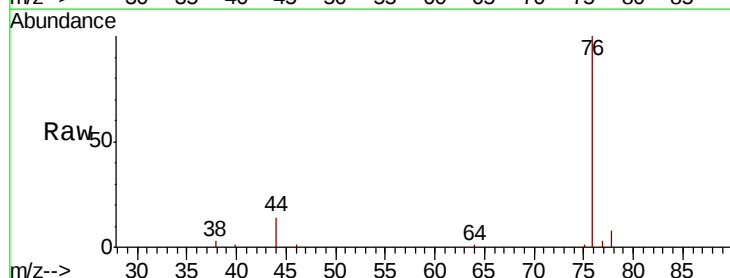
Acq: 21 Oct 2019 18:04

Tgt Ion: 76 Resp: 19991

Ion Ratio Lower Upper

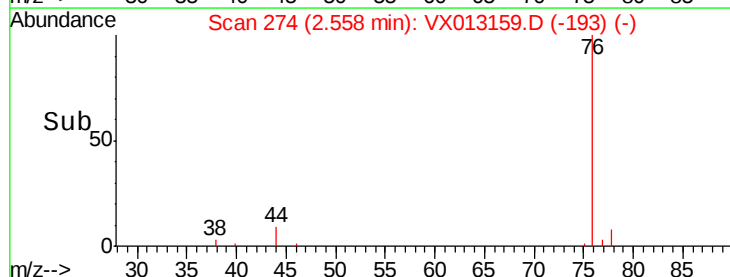
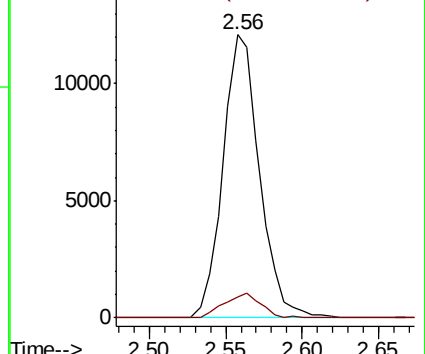
76 100

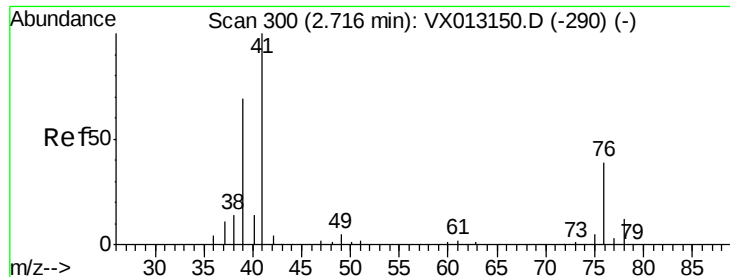
78 7.5 6.6 10.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 4.825 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

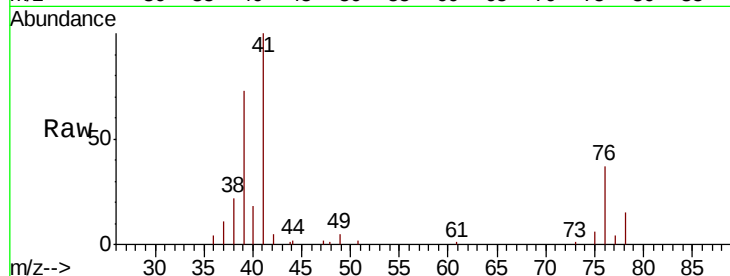
Tot Ion: 41 Resp: 12412

Ion Ratio Lower Upper

41 100

39 72.8 34.7 104.1

76 37.2 19.7 59.0

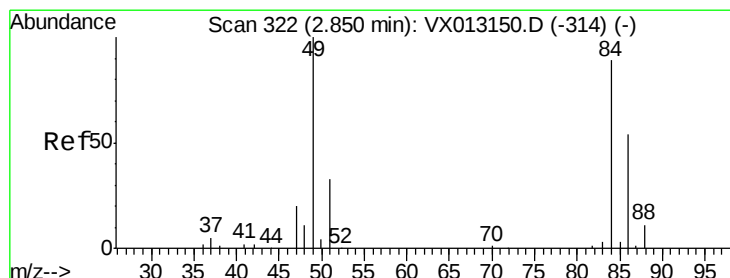
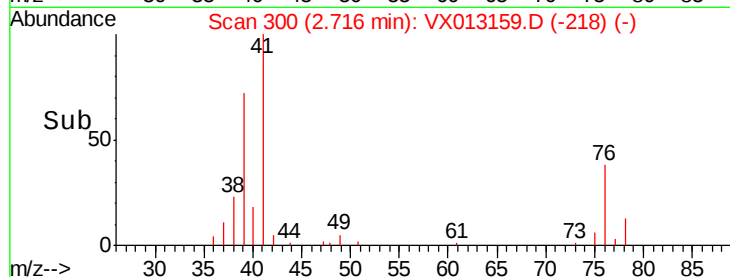
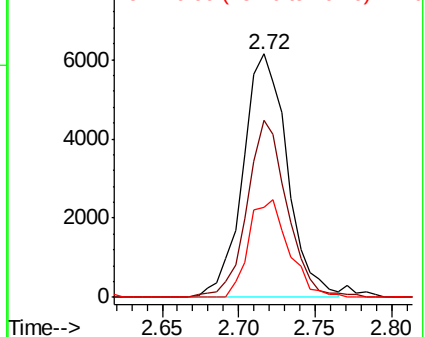


Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 5.149 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion: 84 Resp: 9641

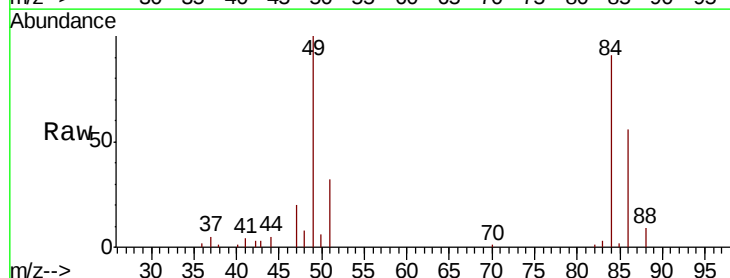
Ion Ratio Lower Upper

84 100

49 109.5 90.3 135.5

51 34.9 29.9 44.9

86 61.7 49.0 73.4



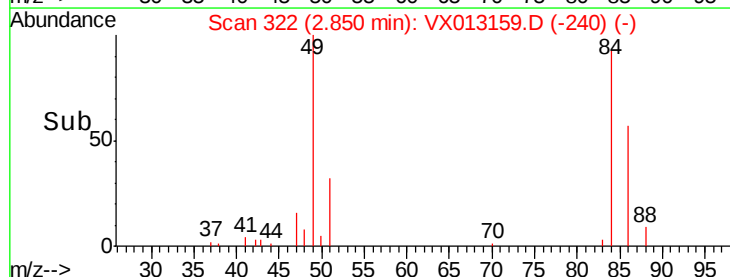
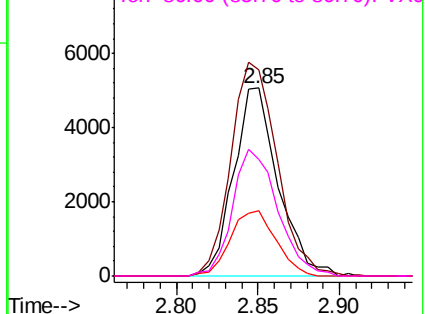
Abundance

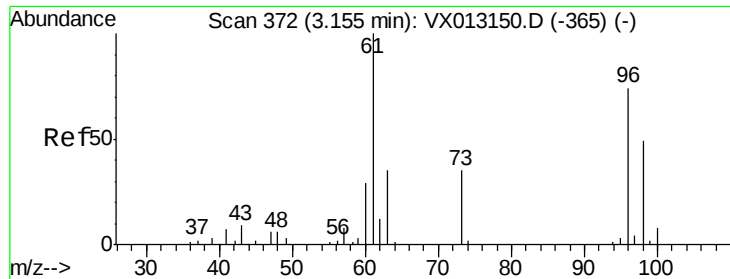
Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 4.944 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

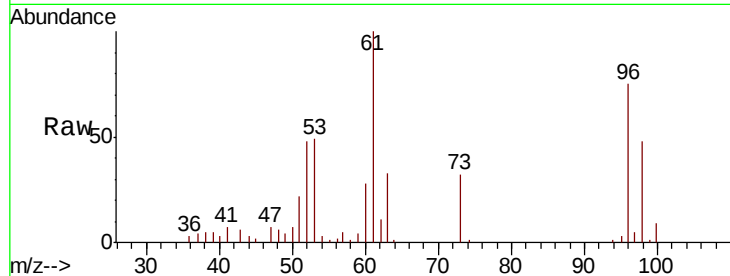
Tot Ion: 96 Resp: 8484

Ion Ratio Lower Upper

96 100

61 133.0 108.6 162.8

98 64.1 53.4 80.0

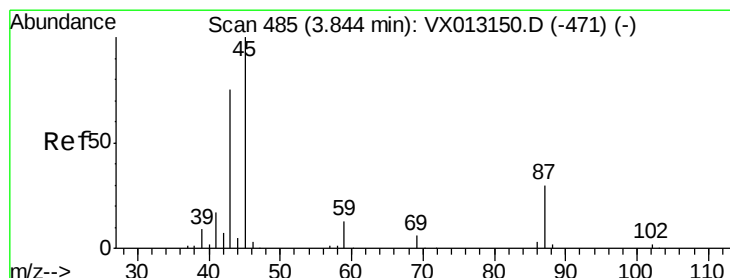
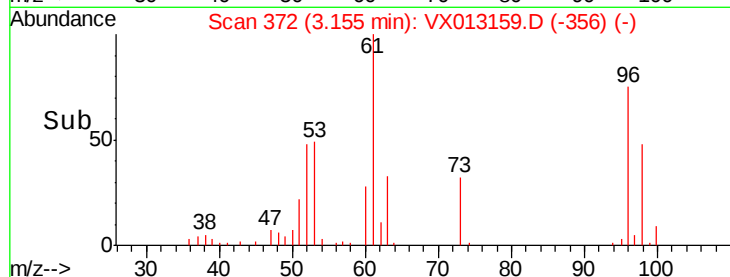
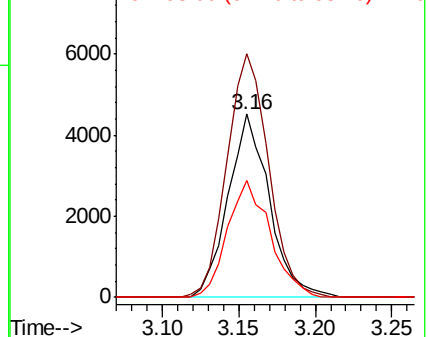


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 5.007 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion: 45 Resp: 24910

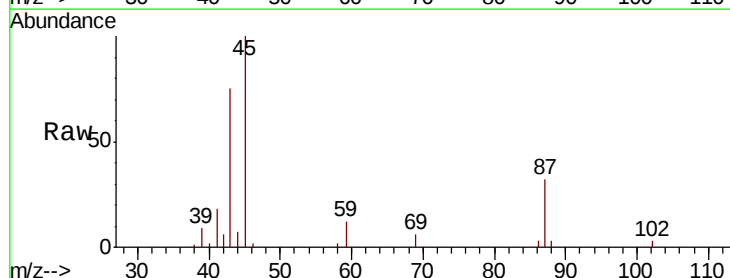
Ion Ratio Lower Upper

45 100

43 72.9 60.6 91.0

87 31.4 24.2 36.2

59 11.9 10.5 15.7



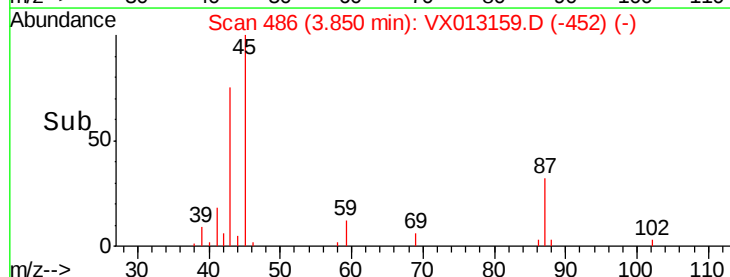
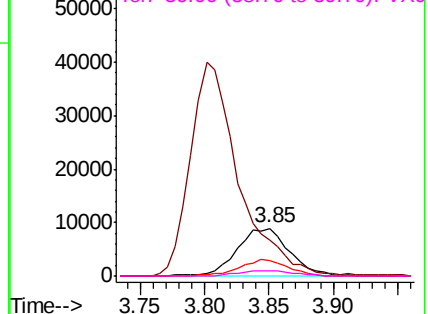
Abundance

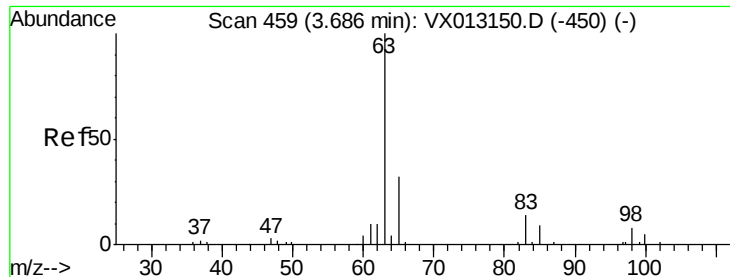
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

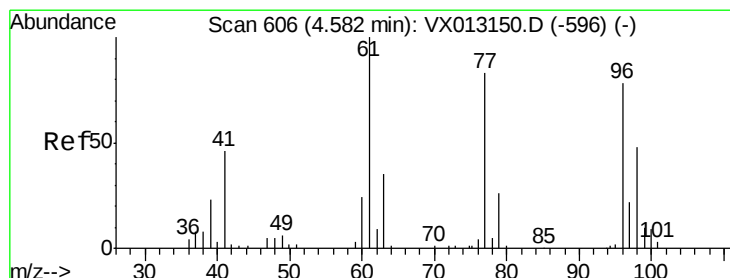
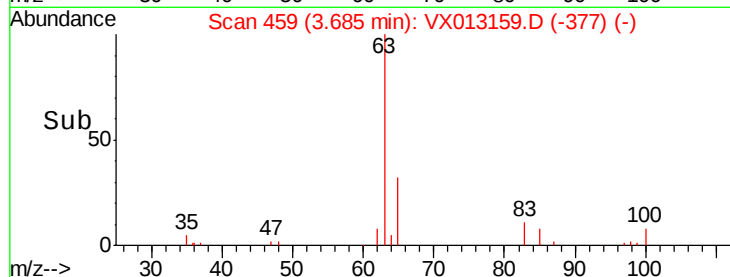
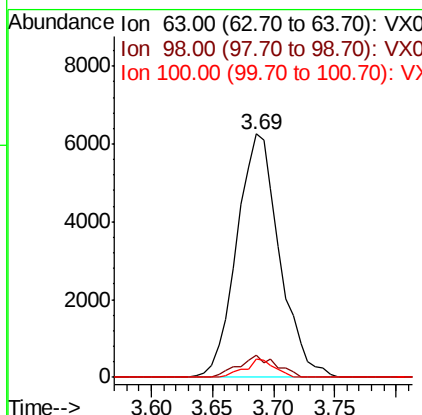
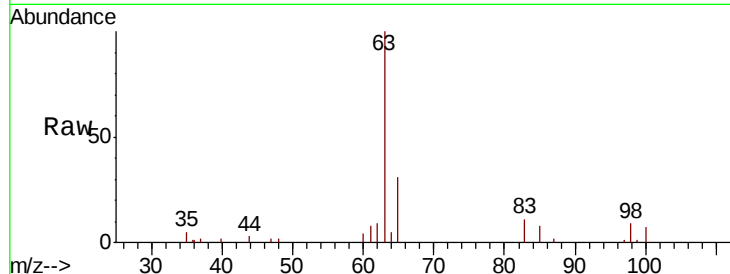




#21
1,1-Dichloroethane
Concen: 5.027 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

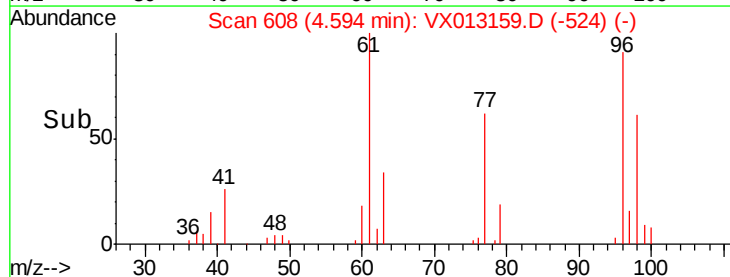
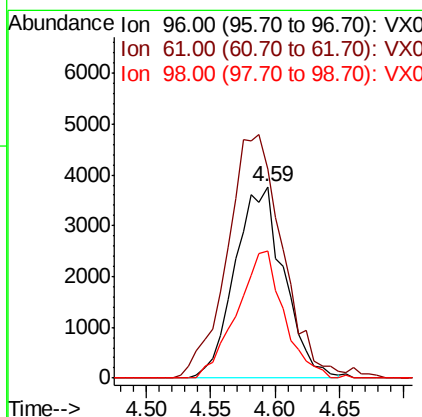
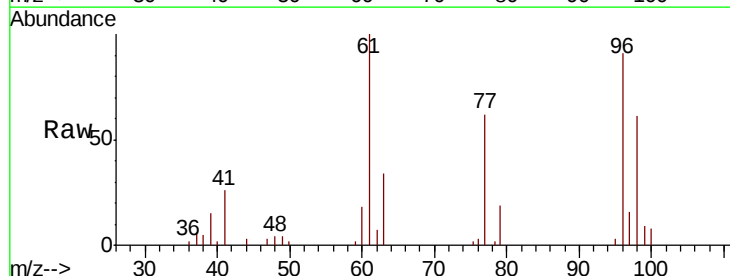
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

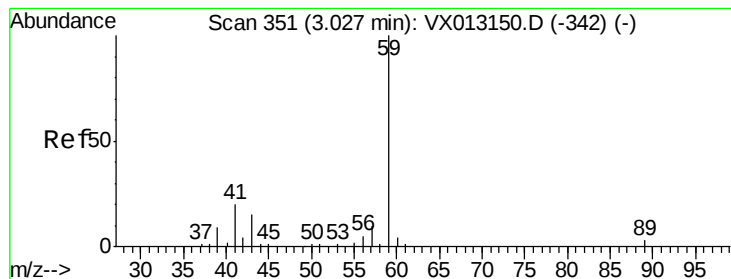
Tot Ion: 63 Resp: 15185
Ion Ratio Lower Upper
63 100
98 9.0 4.2 12.4
100 7.4 2.4 7.2#



#22
cis-1,2-Dichloroethene
Concen: 5.095 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 96 Resp: 9971
Ion Ratio Lower Upper
96 100
61 143.4 112.5 168.7
98 62.9 51.2 76.8





#23

tert-Butyl Alcohol

Concen: 30.565 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

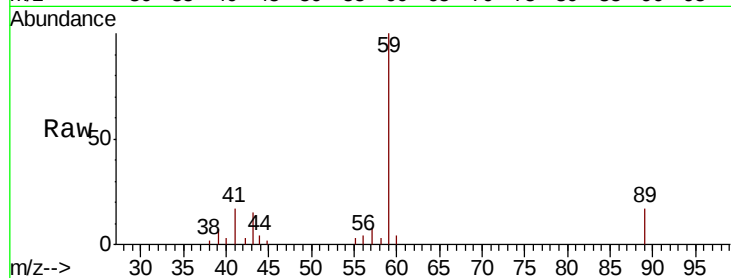
LOQ-WATER-02-QT4-2019

Tot Ion: 59 Resp: 14064

Ion Ratio Lower Upper

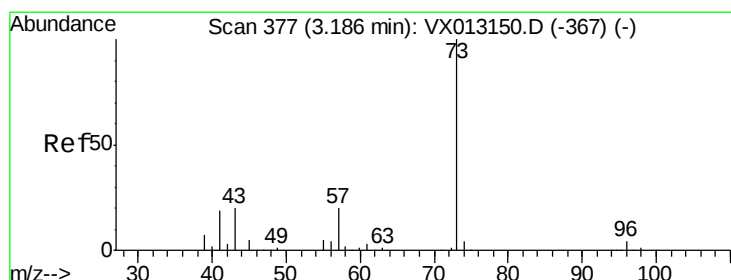
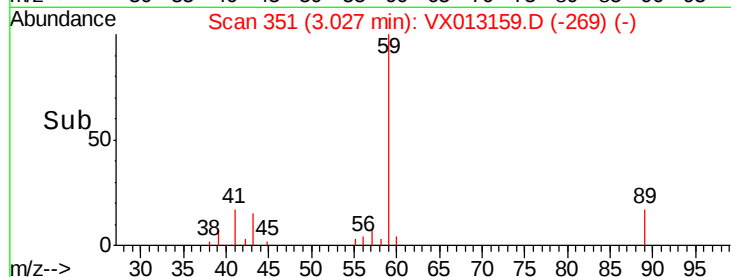
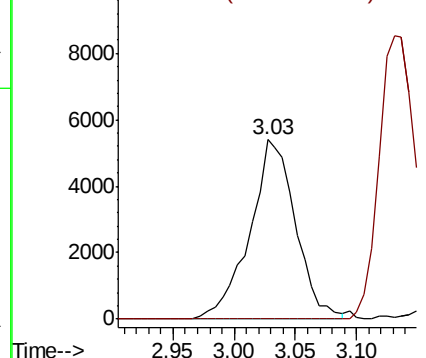
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 4.950 ug/l

RT: 3.19 min Scan# 377

Delta R.T. -0.00 min

Lab File: VX013159.D

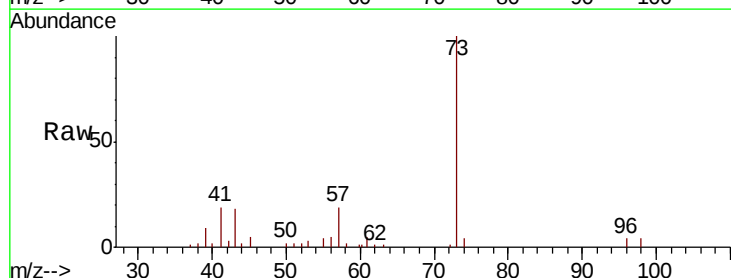
Acq: 21 Oct 2019 18:04

Tgt Ion: 73 Resp: 27606

Ion Ratio Lower Upper

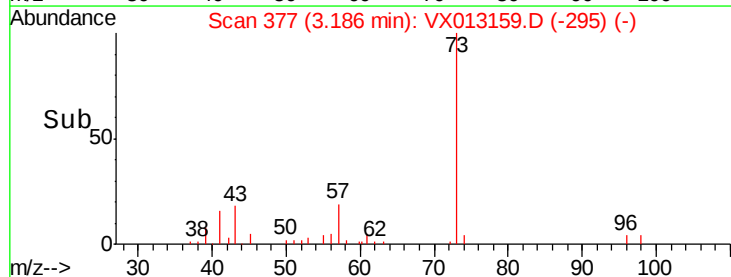
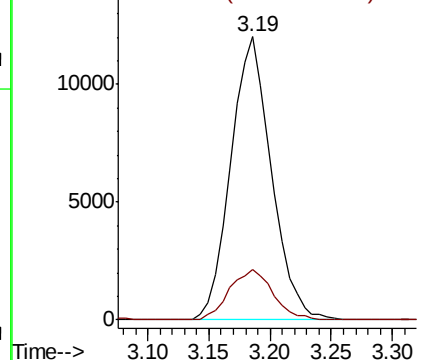
73 100

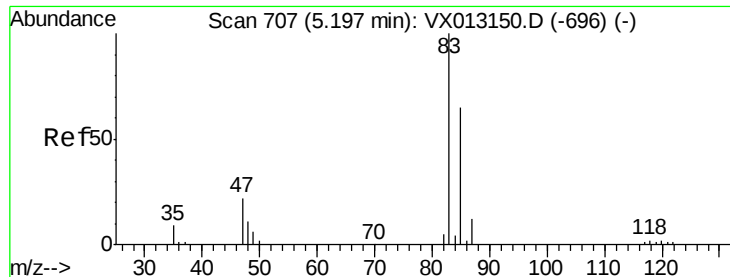
43 19.0 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 4.956 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

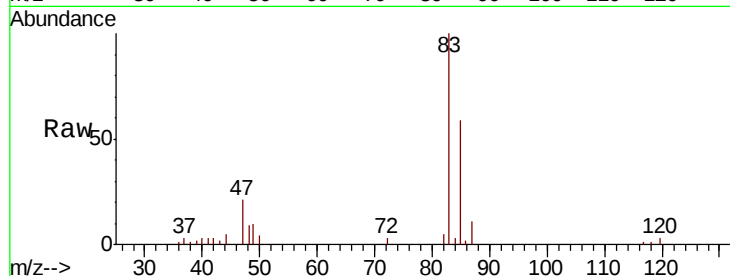
LOQ-WATER-02-QT4-2019

Tot Ion: 83 Resp: 15734

Ion Ratio Lower Upper

83 100

85 59.1 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.20

6000

5000

4000

3000

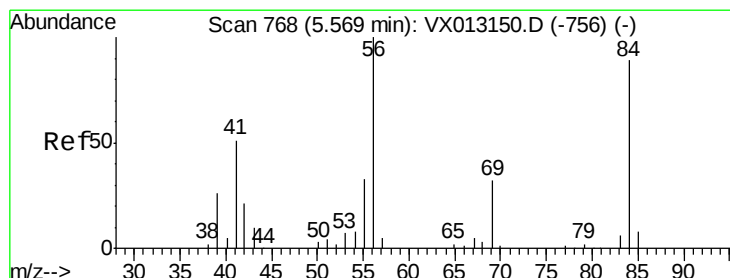
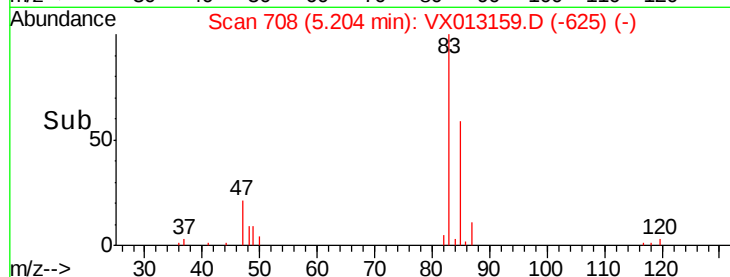
2000

1000

0

5.10 5.15 5.20 5.25 5.30

Time-->



#26

Cyclohexane

Concen: 4.867 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

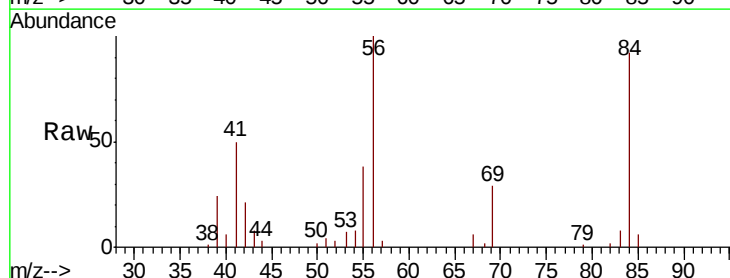
Tgt Ion: 56 Resp: 12900

Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

84 93.6 74.0 111.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

6000

5000

4000

3000

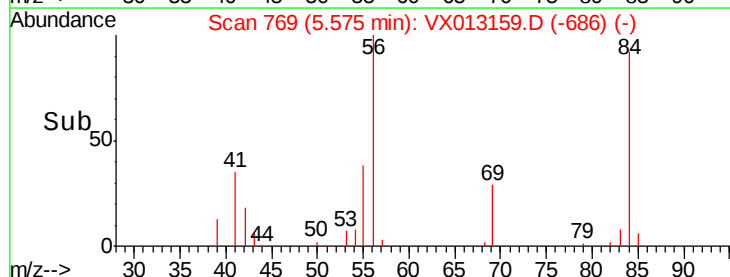
2000

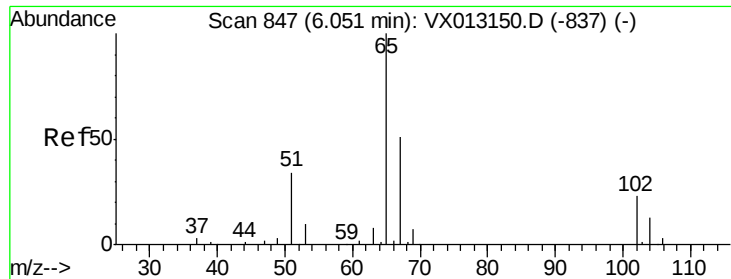
1000

0

5.50 5.55 5.60 5.65

Time-->





#27

1,2-Dichloroethane-d4

Concen: 29.975 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

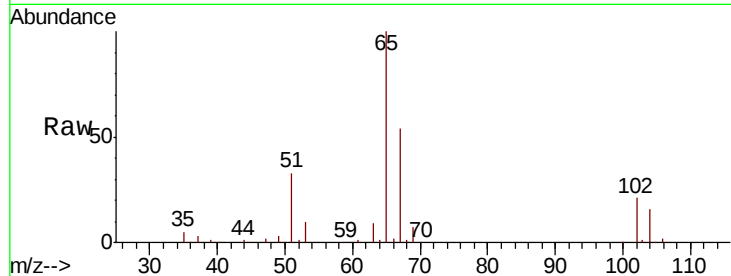
LOQ-WATER-02-QT4-2019

Tot Ion: 65 Resp: 62206

Ion Ratio Lower Upper

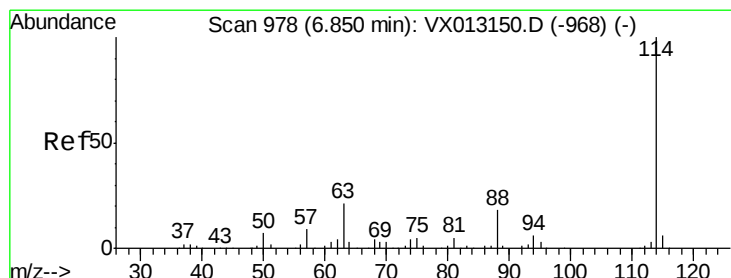
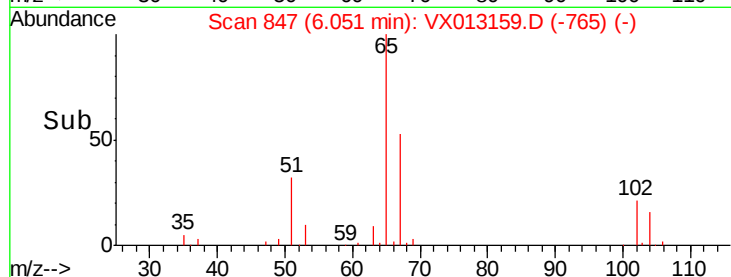
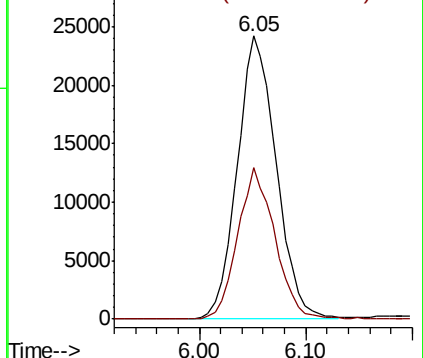
65 100

67 51.1 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

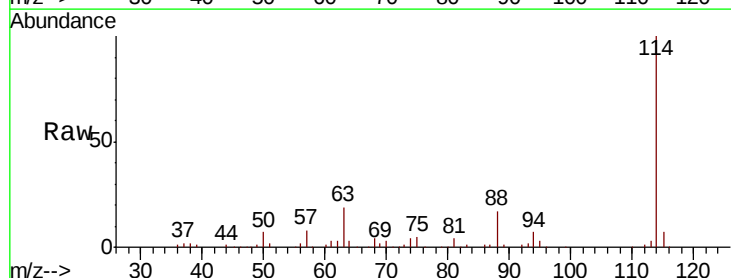
Tgt Ion:114 Resp: 152993

Ion Ratio Lower Upper

114 100

63 19.6 16.1 24.1

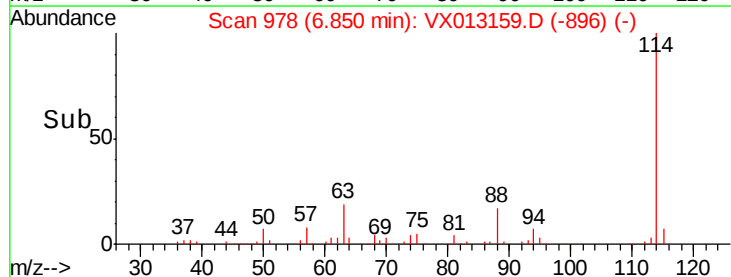
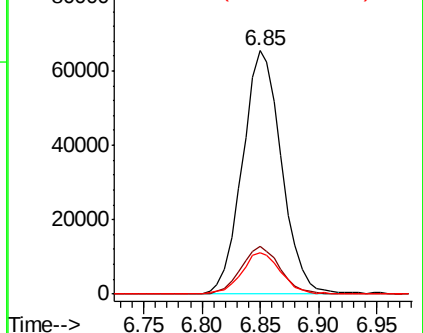
88 17.1 13.7 20.5

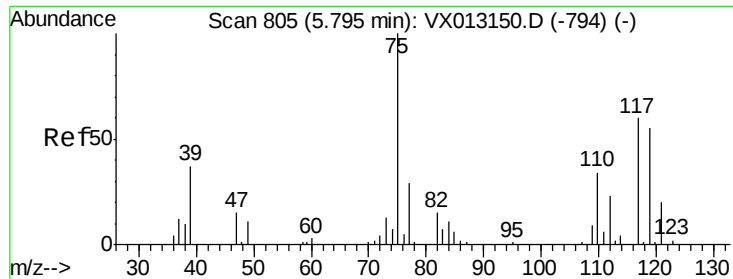


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

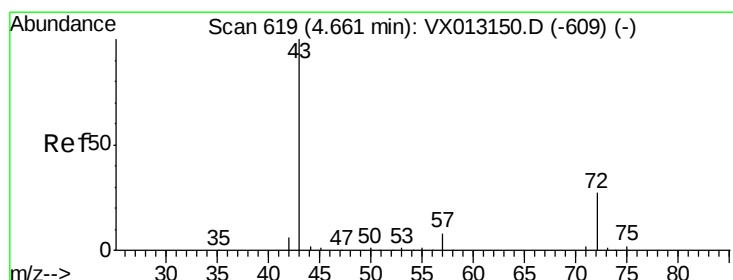
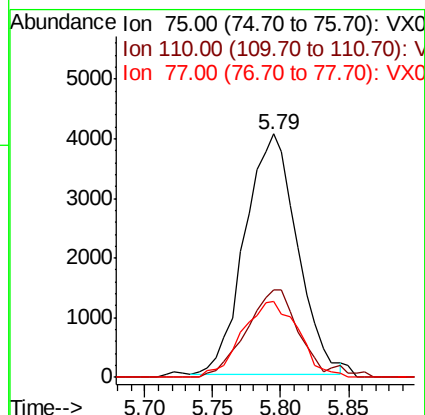
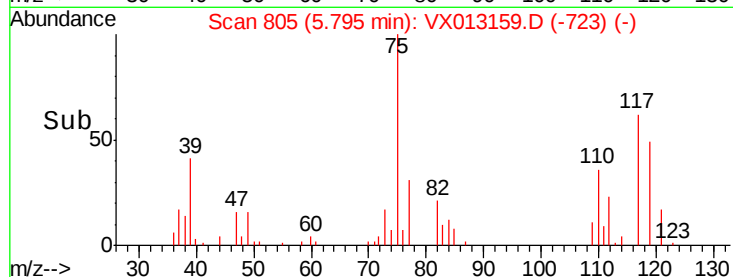
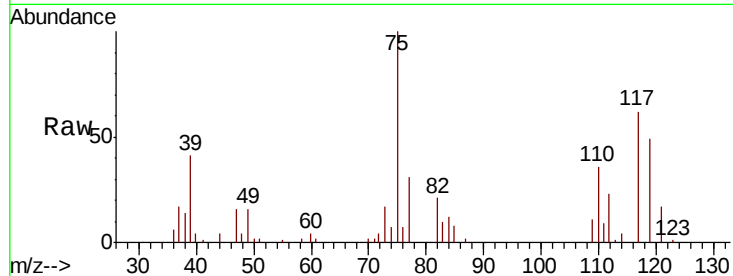




#29
 1,1-Dichloropropene
 Concen: 4.563 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

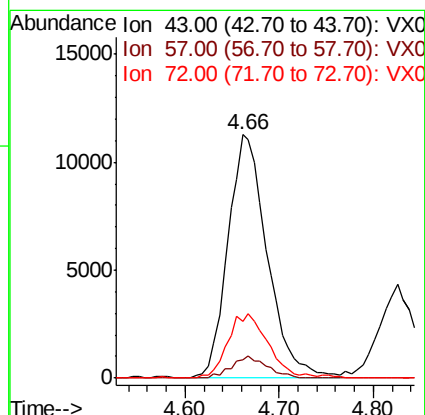
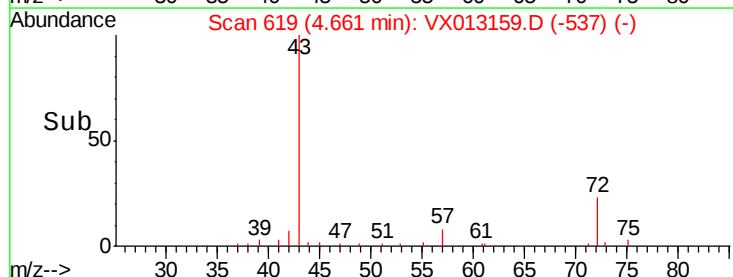
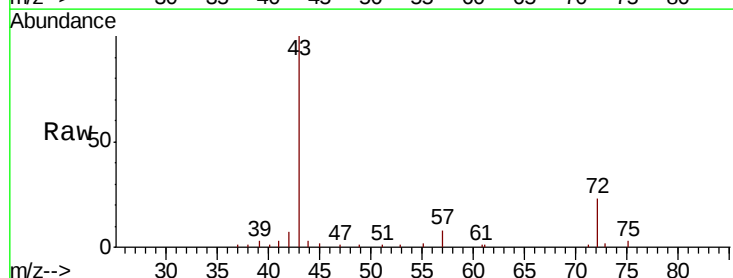
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

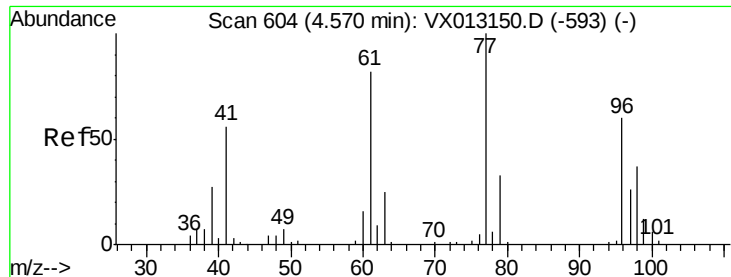
Tot Ion	75	Resp	10844
Ion Ratio	Lower	Upper	
75	100		
110	35.7	0.0	68.4
77	34.2	0.0	30.8#



#30
 2-Butanone
 Concen: 26.306 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion	43	Resp	32796
Ion Ratio	Lower	Upper	
43	100		
57	8.2	7.0	10.6
72	26.4	23.4	35.2





#31

2,2-Dichloropropane

Concen: 4.664 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

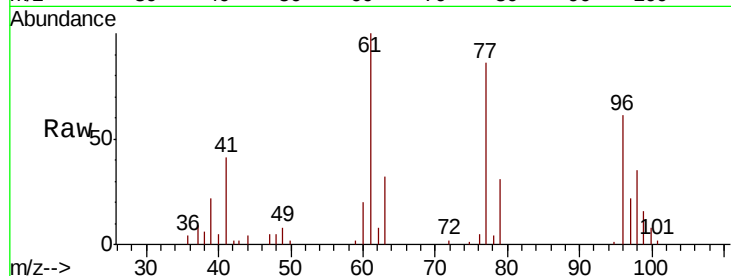
LOQ-WATER-02-QT4-2019

Tot Ion: 77 Resp: 12816

Ion Ratio Lower Upper

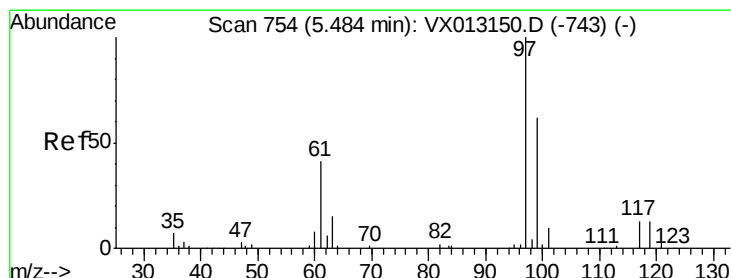
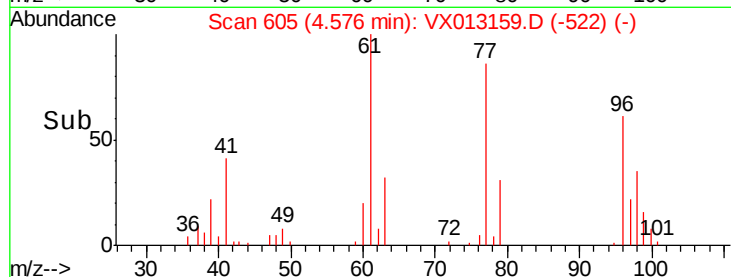
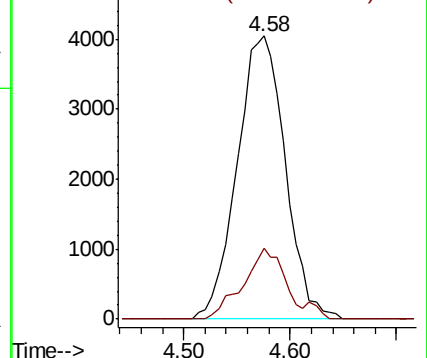
77 100

97 21.5 19.1 28.7



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 4.592 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

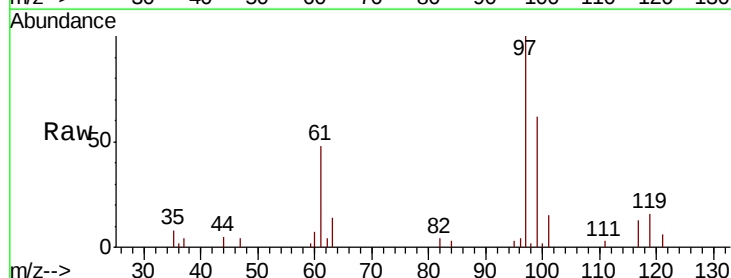
Tgt Ion: 97 Resp: 13208

Ion Ratio Lower Upper

97 100

99 65.2 51.8 77.8

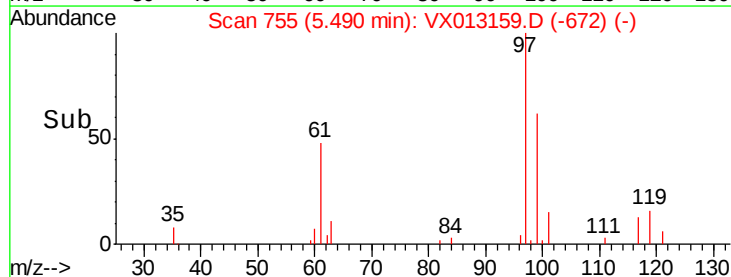
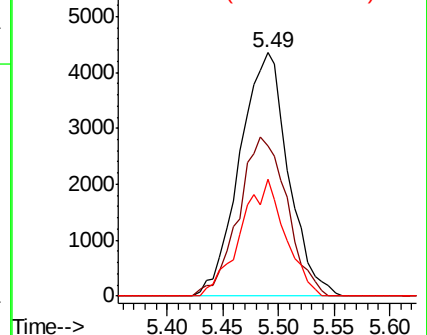
61 21.3 33.5 50.3#

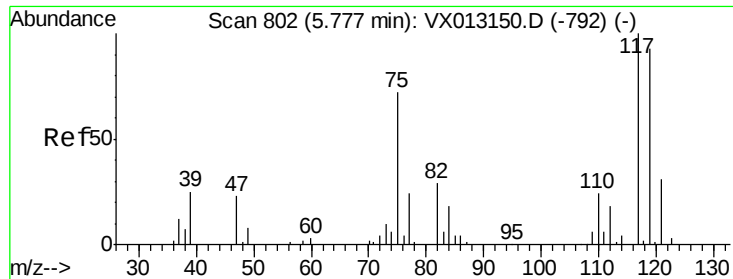


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

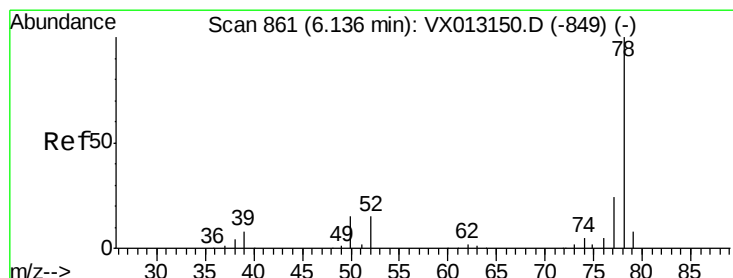
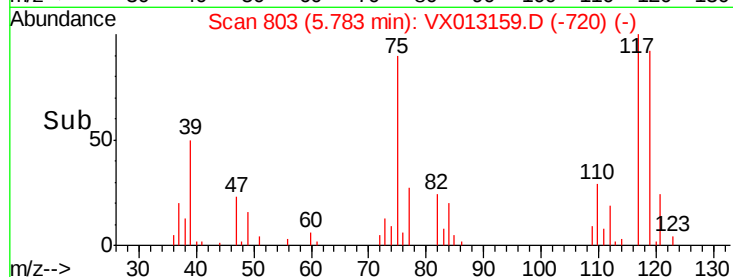
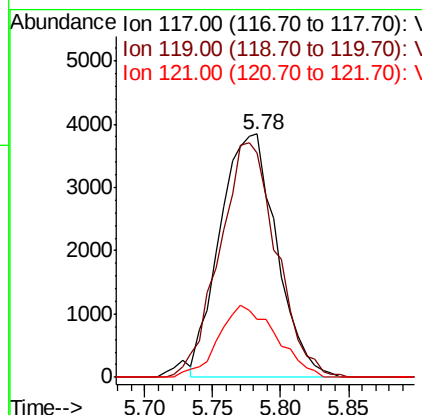
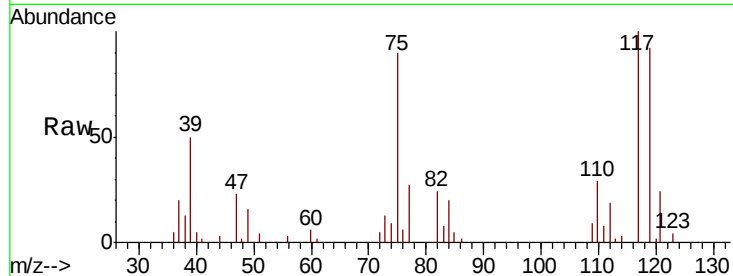




#33
Carbon Tetrachloride
Concen: 4.522 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

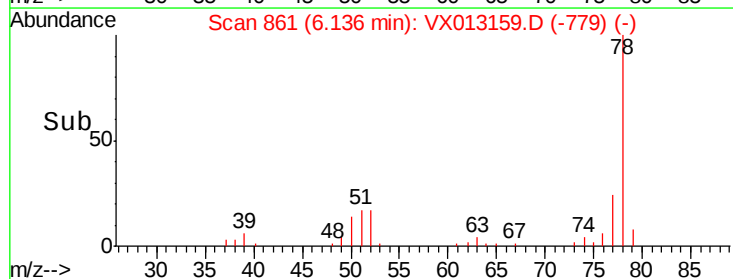
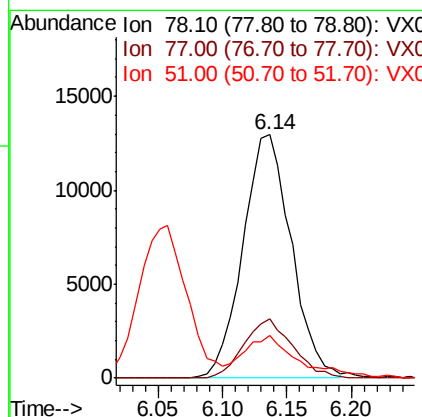
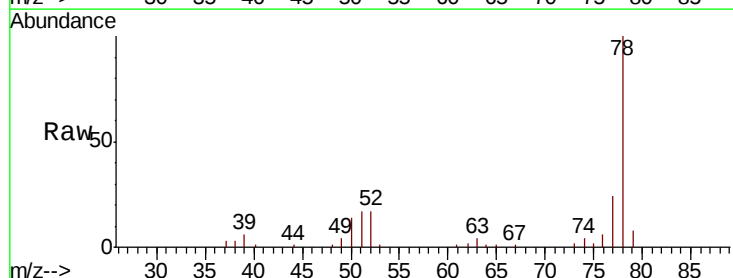
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

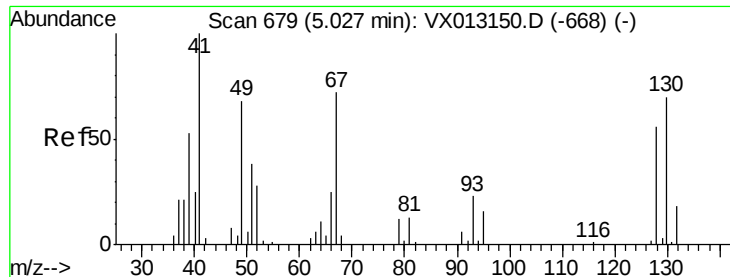
Tot Ion:117 Resp: 11179
Ion Ratio Lower Upper
117 100
119 90.7 74.9 112.3
121 23.8 25.0 37.4#



#34
Benzene
Concen: 4.930 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 78 Resp: 33732
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9
51 14.5 11.4 17.2

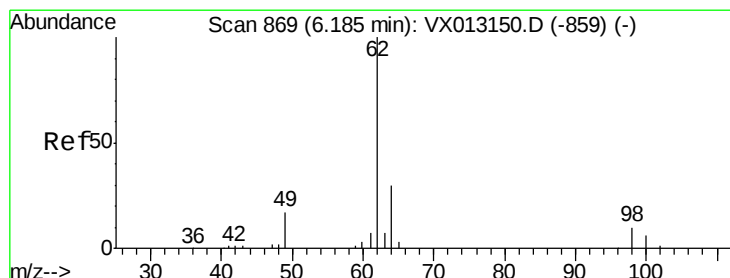
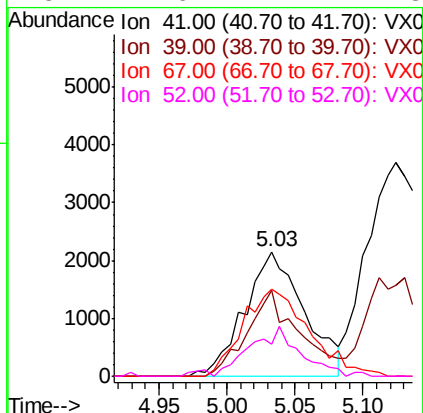
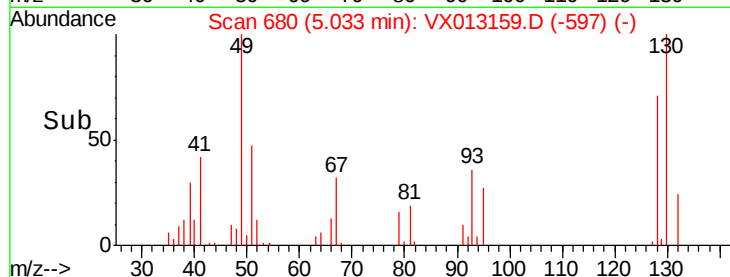
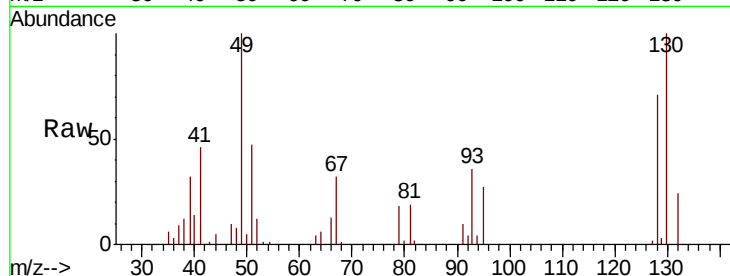




#35
Methacrylonitrile
Concen: 5.133 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

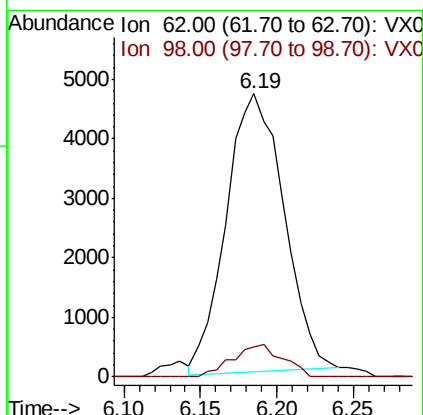
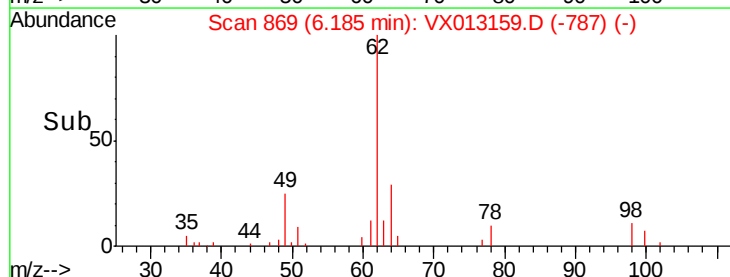
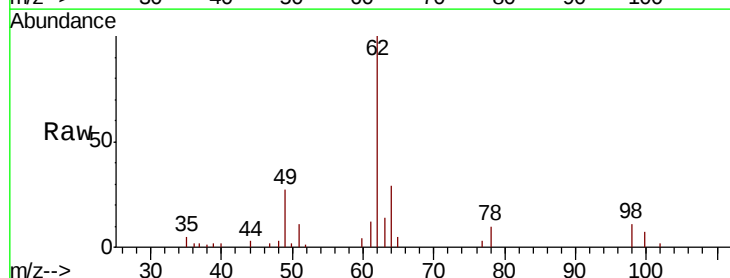
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

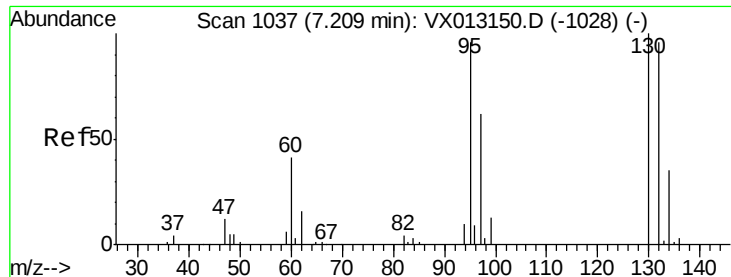
Tot Ion: 41 Resp: 6563
Ion Ratio Lower Upper
41 100
39 68.6 26.3 78.9
67 70.5 35.8 107.4
52 22.6 14.1 42.3



#36
1,2-Dichloroethane
Concen: 4.741 ug/l
RT: 6.19 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 62 Resp: 12262
Ion Ratio Lower Upper
62 100
98 10.1 8.0 12.0

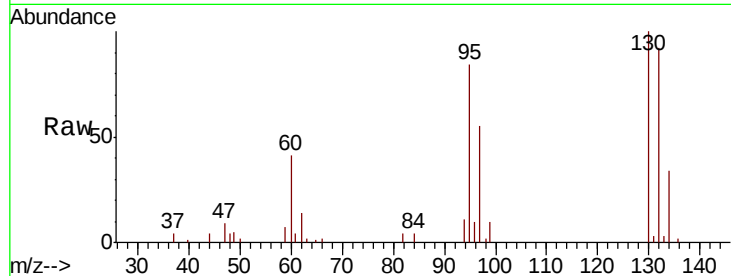




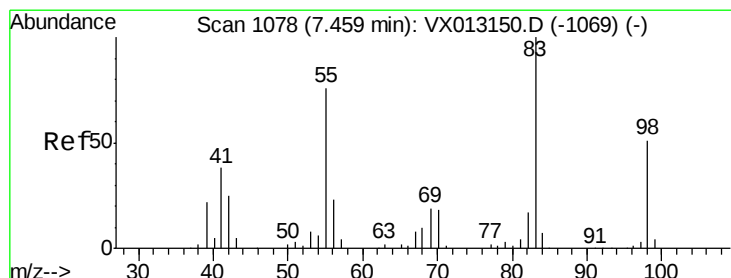
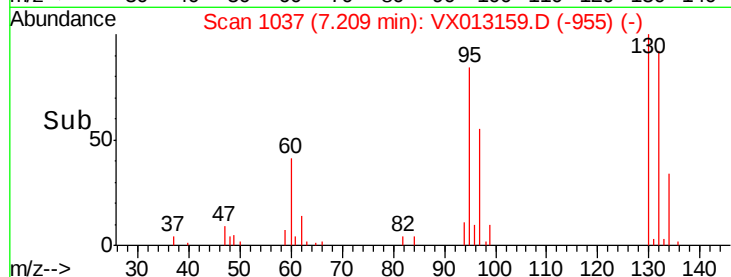
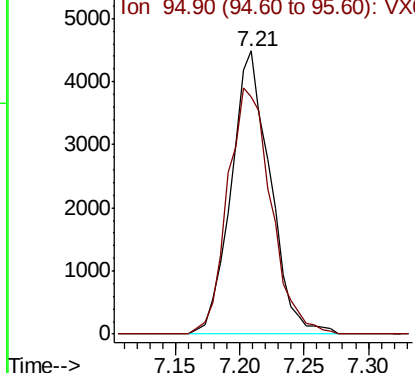
#37
 Trichloroethene
 Concen: 4.989 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion:130 Resp: 9468
 Ion Ratio Lower Upper
 130 100
 95 84.0 77.0 115.6

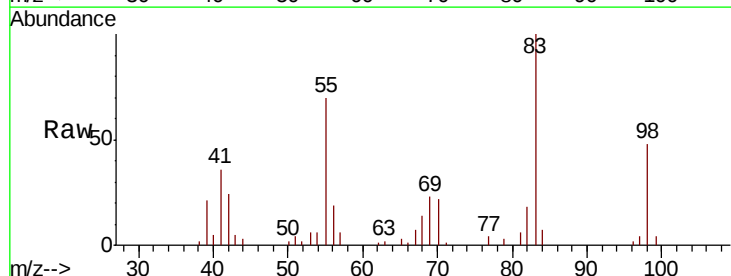


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

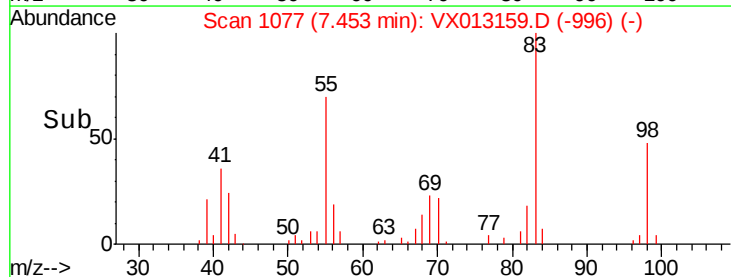
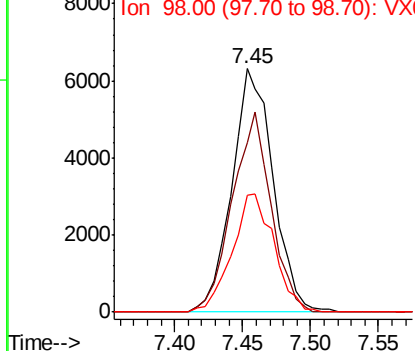


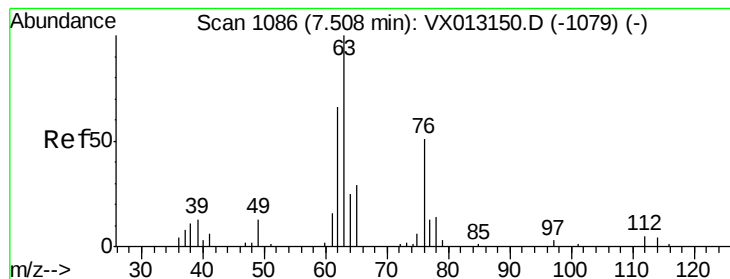
#38
 Methylcyclohexane
 Concen: 4.598 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion: 83 Resp: 13329
 Ion Ratio Lower Upper
 83 100
 55 77.2 37.5 112.5
 98 49.4 25.4 76.0



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





#39

1,2-Dichloropropane

Concen: 4.990 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

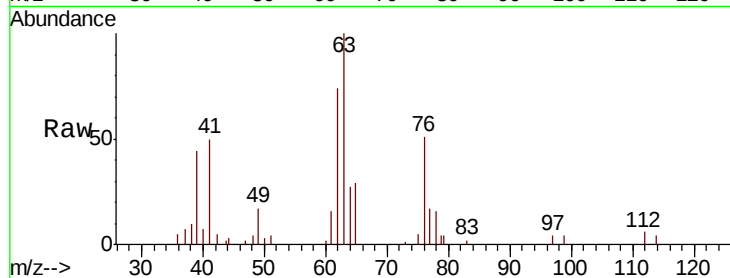
LOQ-WATER-02-QT4-2019

Tot Ion: 63 Resp: 8380

Ion Ratio Lower Upper

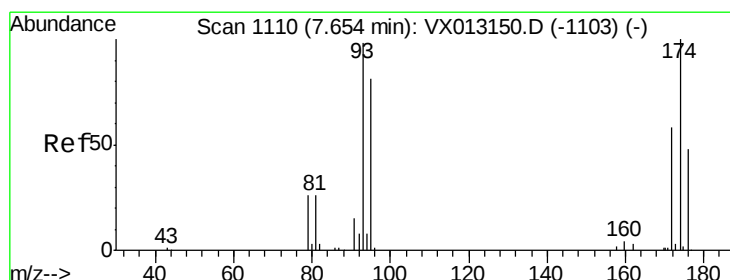
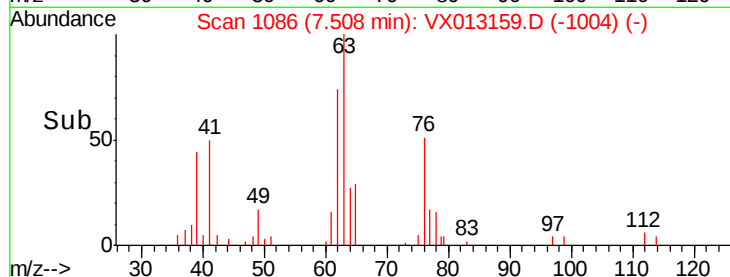
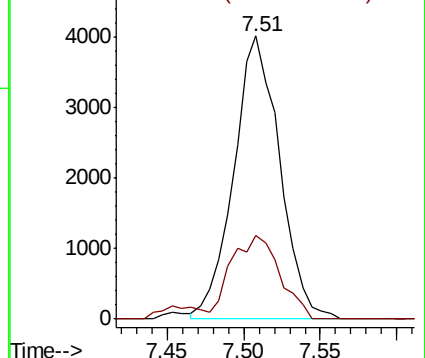
63 100

65 29.4 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 5.036 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

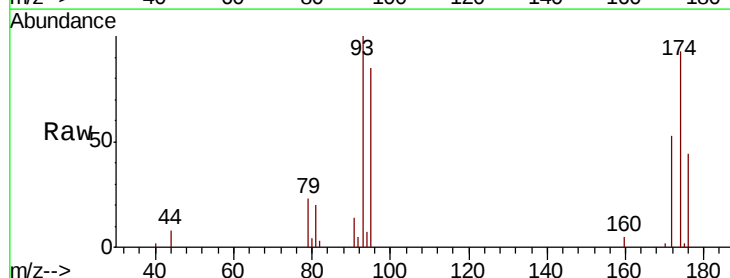
Tgt Ion: 93 Resp: 6041

Ion Ratio Lower Upper

93 100

95 84.3 0.0 166.0

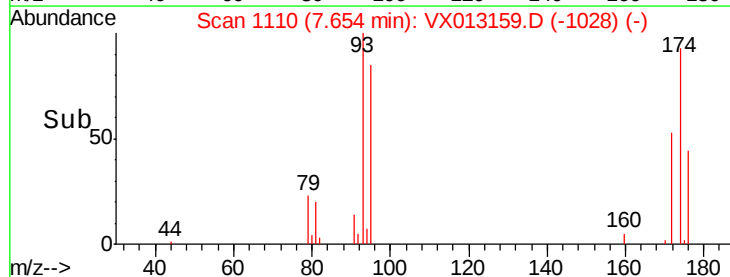
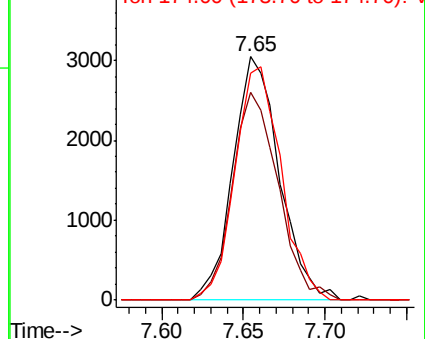
174 95.4 0.0 208.8

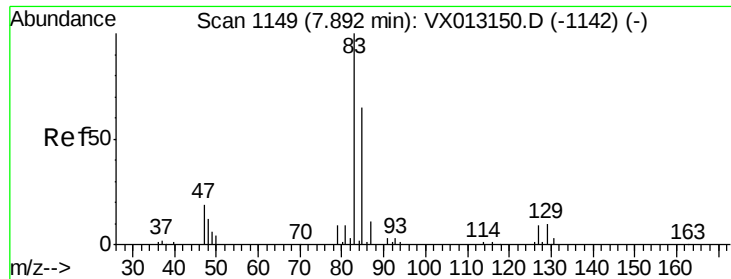


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.339 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

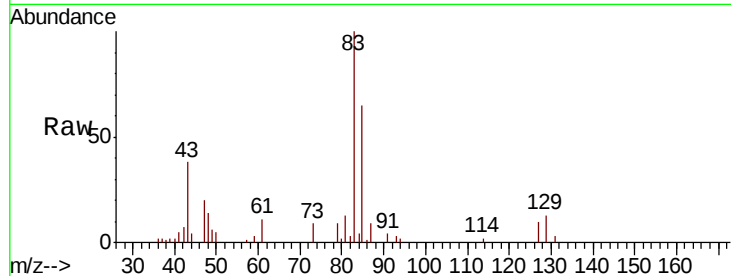
Tot Ion: 83 Resp: 10495

Ion Ratio Lower Upper

83 100

85 64.7 52.1 78.1

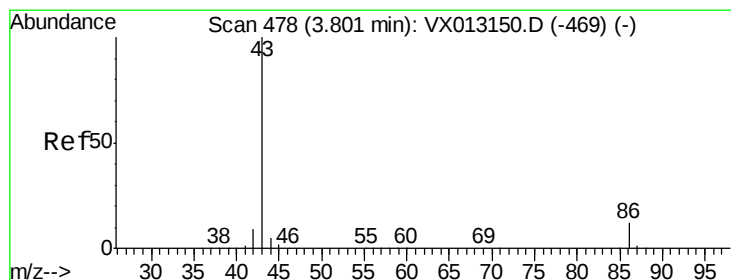
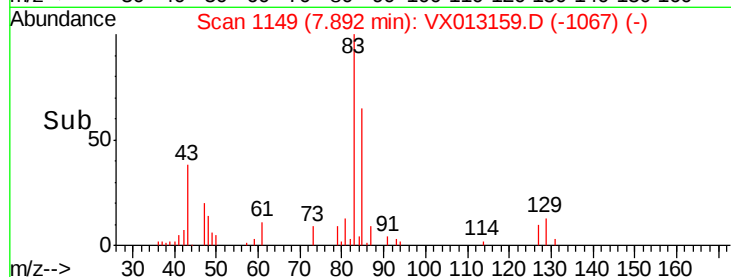
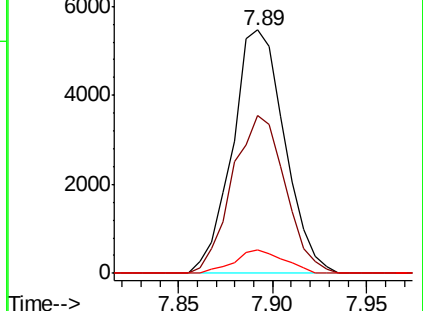
127 9.5 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 24.115 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013159.D

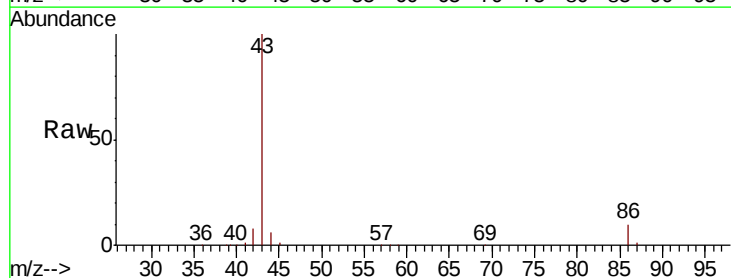
Acq: 21 Oct 2019 18:04

Tgt Ion: 43 Resp: 104254

Ion Ratio Lower Upper

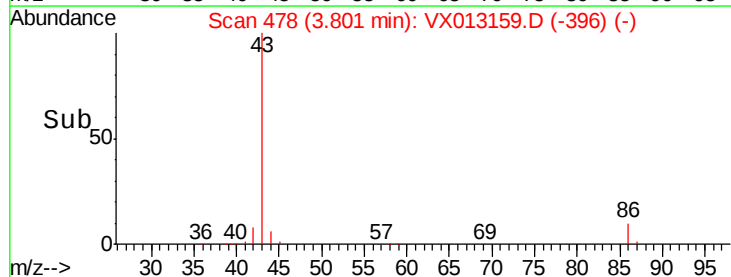
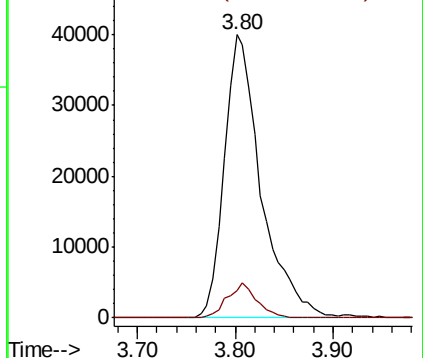
43 100

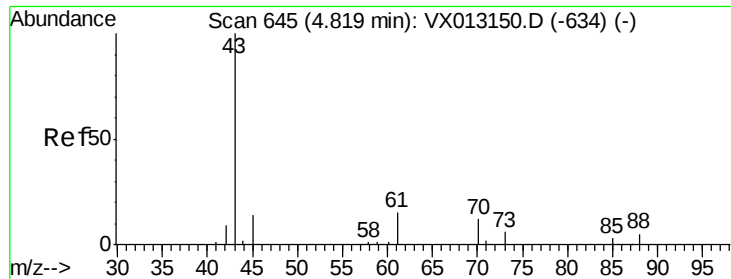
86 10.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 5.436 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

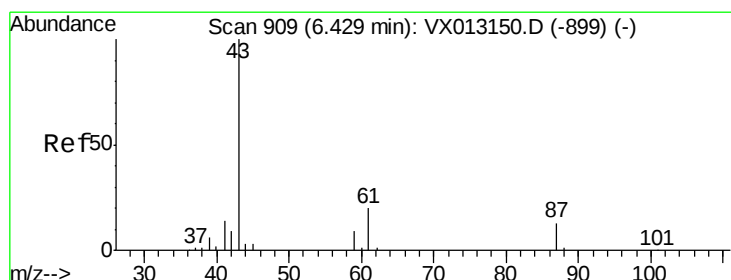
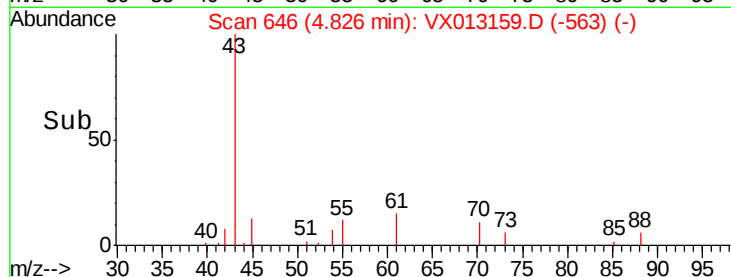
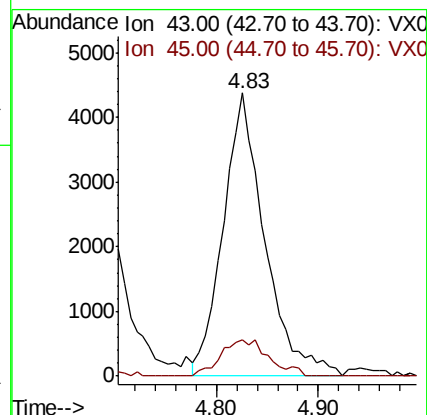
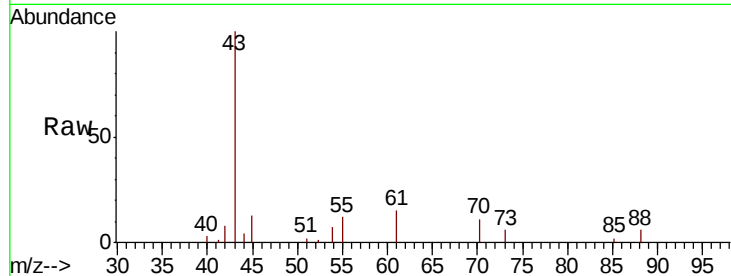
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 12360

Ion Ratio Lower Upper

43 100

45 9.0 12.6 18.8#



#44

Isopropyl Acetate

Concen: 4.955 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX013159.D

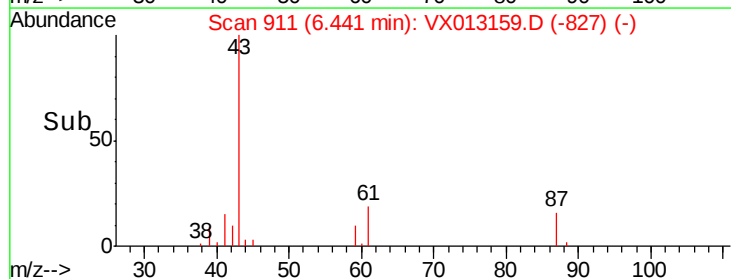
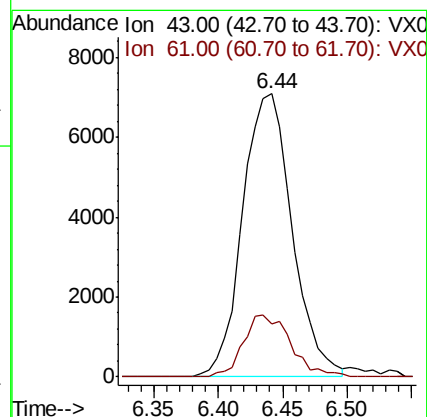
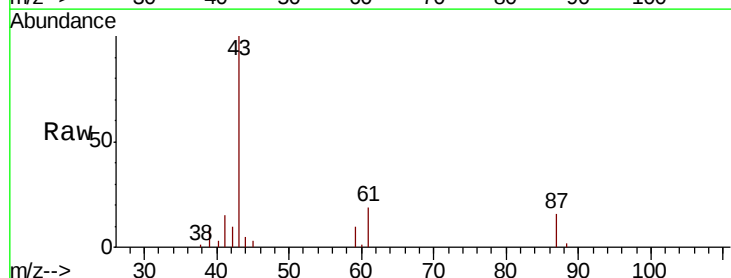
Acq: 21 Oct 2019 18:04

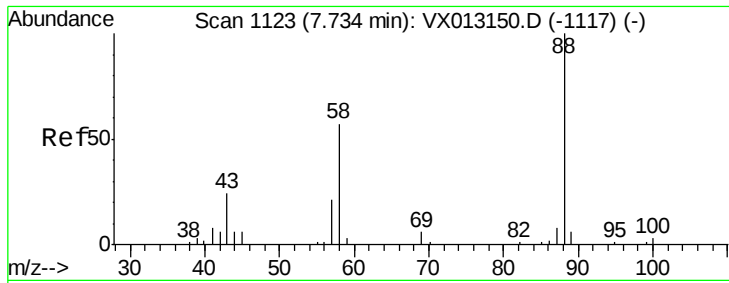
Tgt Ion: 43 Resp: 18935

Ion Ratio Lower Upper

43 100

61 21.0 16.8 25.2



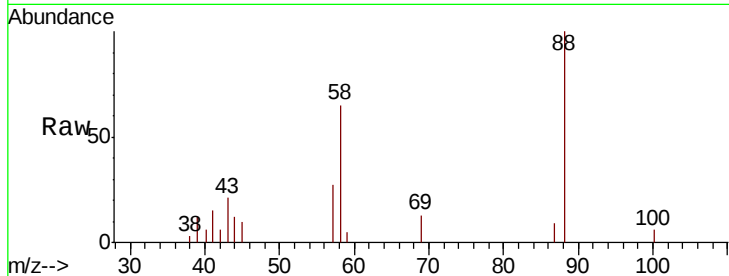


#45
 1,4-Dioxane
 Concen: 103.681 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

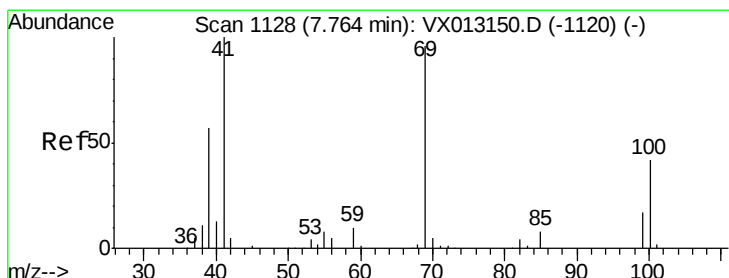
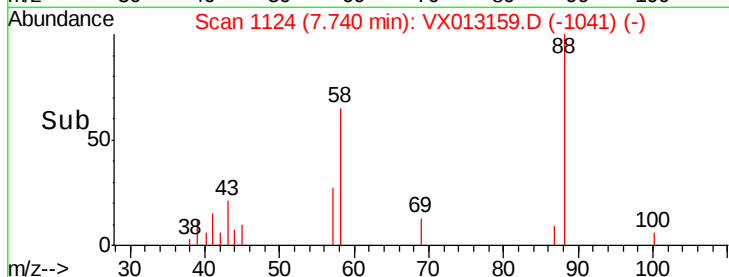
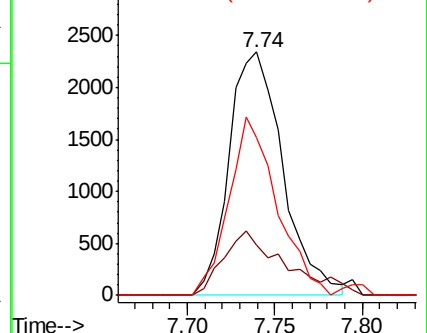
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion: 88 Resp: 5011

Ion	Ratio	Lower	Upper
88	100		
43	28.2	24.0	36.0
58	65.4	52.8	79.2



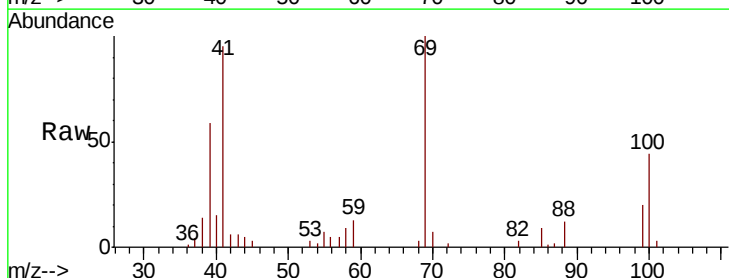
Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0



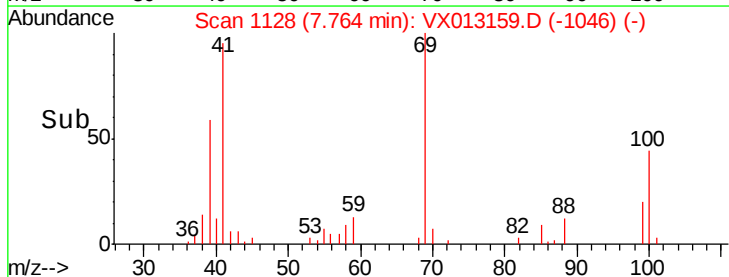
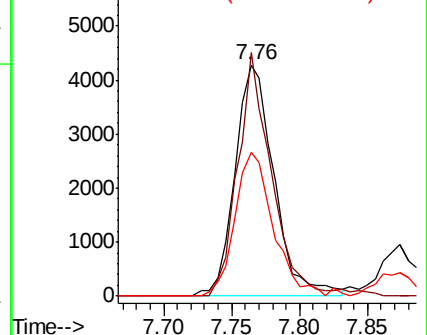
#46
 Methyl methacrylate
 Concen: 4.561 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

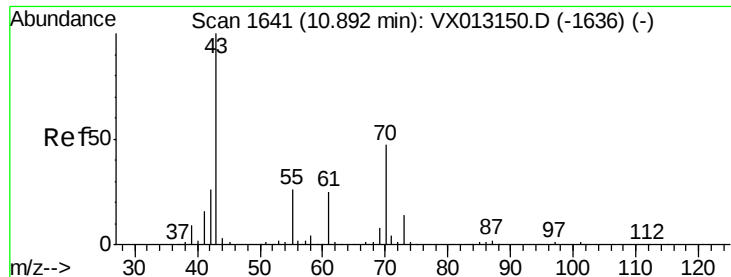
Tgt Ion: 41 Resp: 8577

Ion	Ratio	Lower	Upper
41	100		
69	105.4	47.8	143.3
39	62.3	28.5	85.5



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





#47

n-amyl Acetate

Concen: 4.387 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

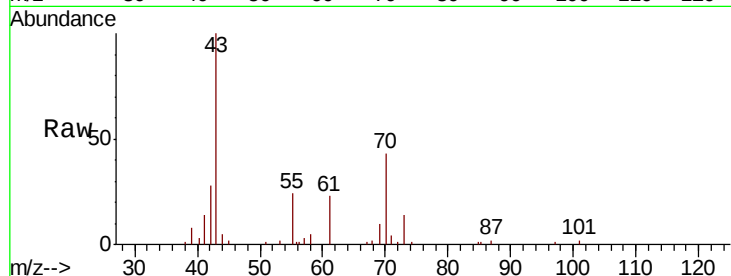
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 14134

Ion Ratio Lower Upper

43 100

55 26.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

12000

10000

8000

6000

4000

2000

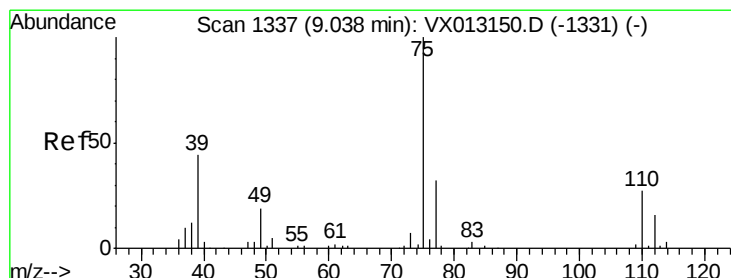
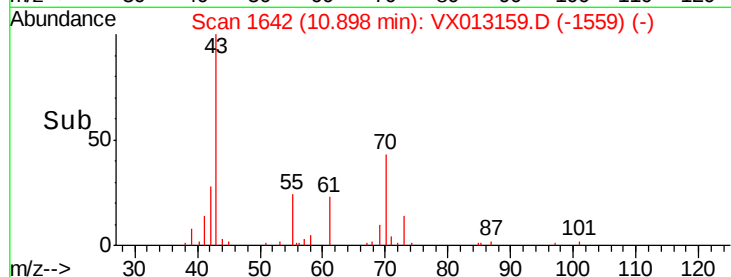
0

10.85

10.90

10.95

Time-->



#48

t-1,3-Dichloropropene

Concen: 4.174 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013159.D

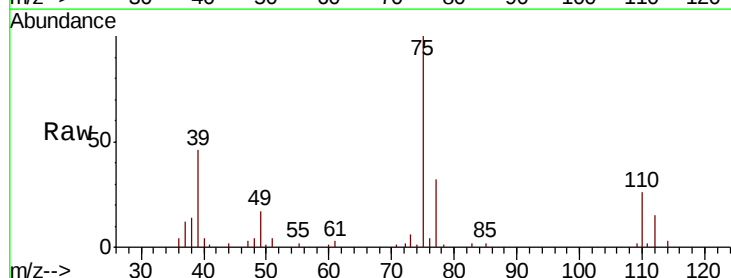
Acq: 21 Oct 2019 18:04

Tgt Ion: 75 Resp: 11074

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8000

6000

4000

2000

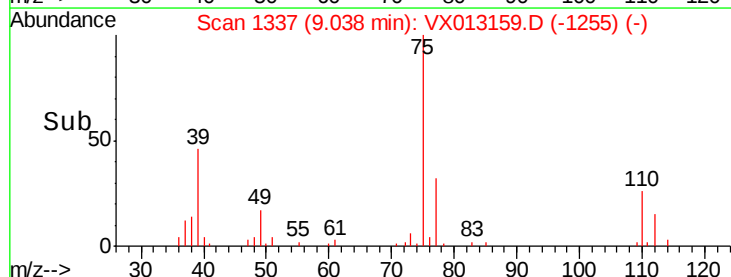
0

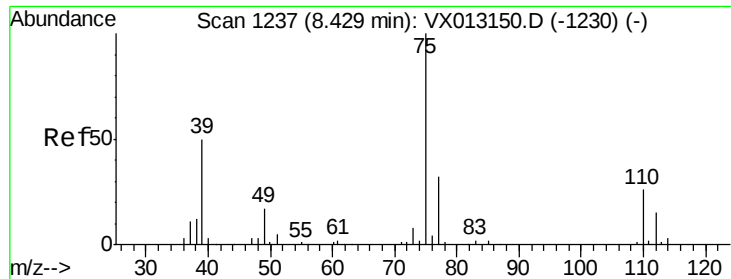
9.00

9.04

9.10

Time-->

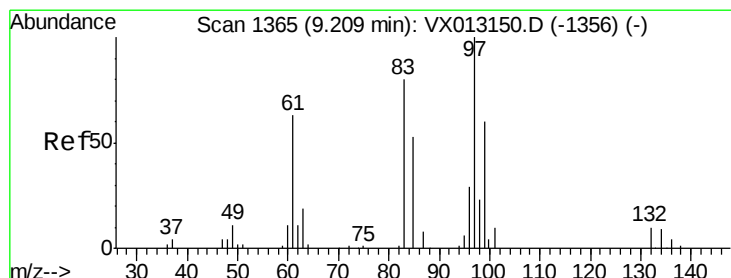
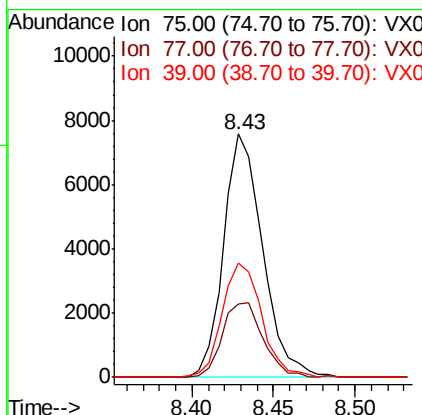
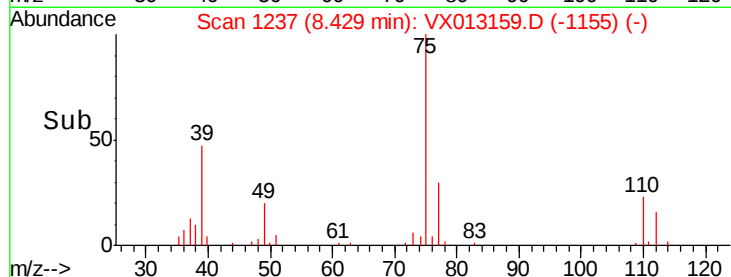
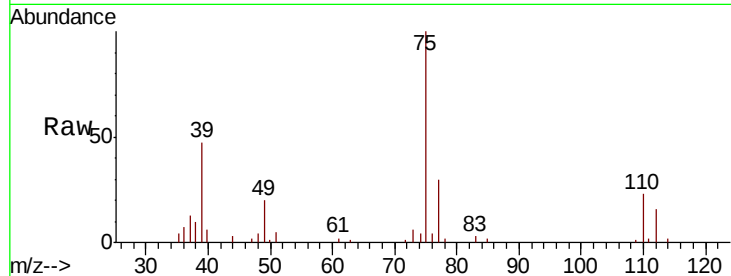




#49
 cis-1,3-Dichloropropene
 Concen: 4.373 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

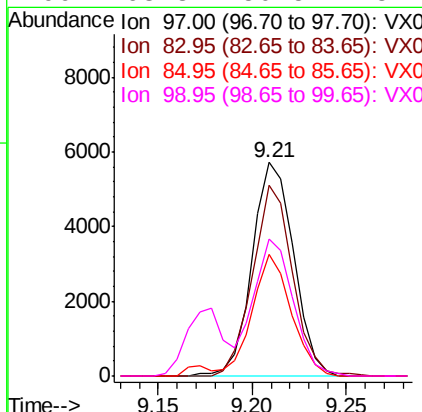
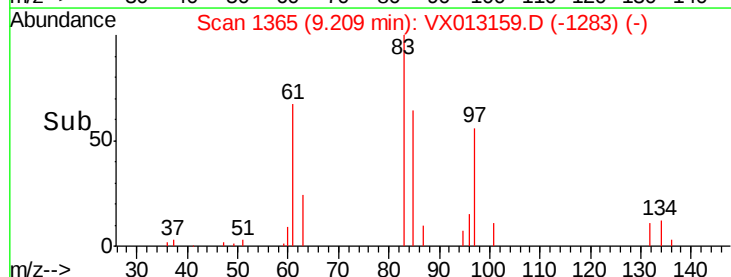
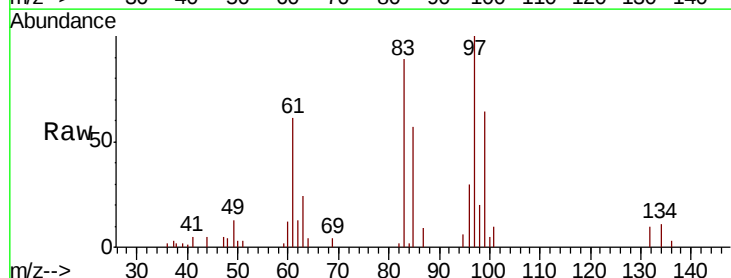
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

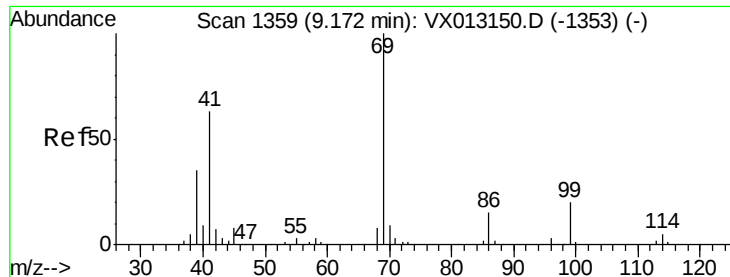
Tot Ion: 75 Resp: 12626
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.8 38.8
 39 47.1 39.7 59.5



#50
 1,1,2-Trichloroethane
 Concen: 4.917 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion: 97 Resp: 8711
 Ion Ratio Lower Upper
 97 100
 83 89.4 64.2 96.4
 85 57.1 42.7 64.1
 99 63.3 50.5 75.7

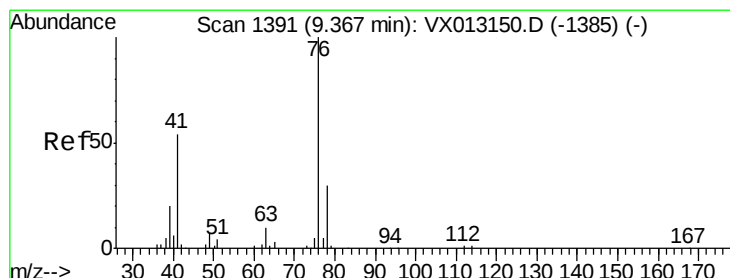
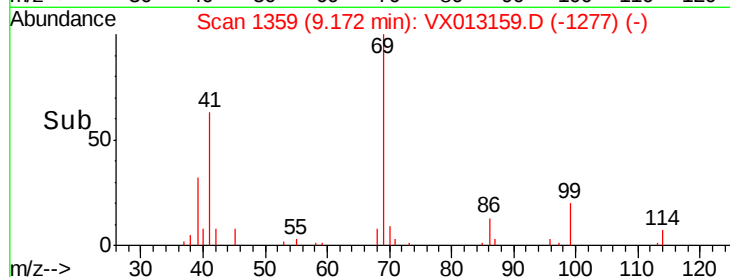
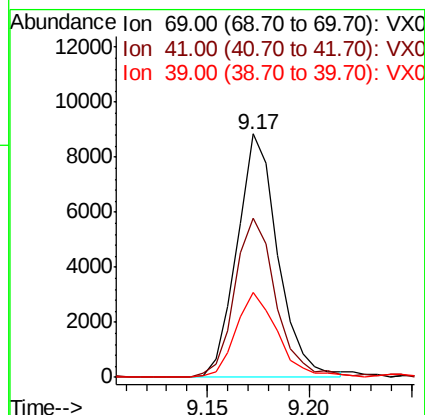
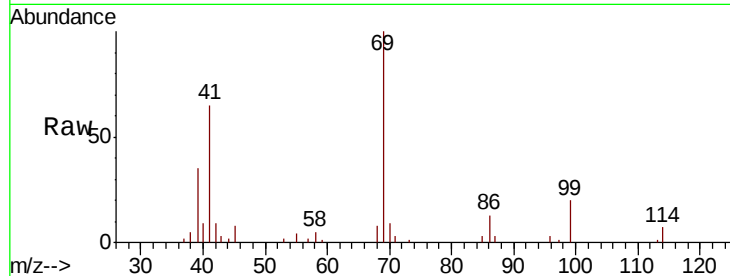




#51
Ethyl methacrylate
Concen: 4.417 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

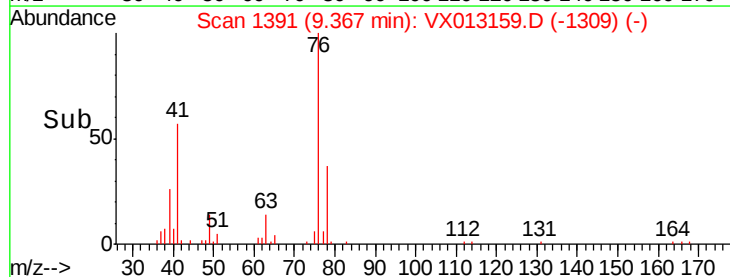
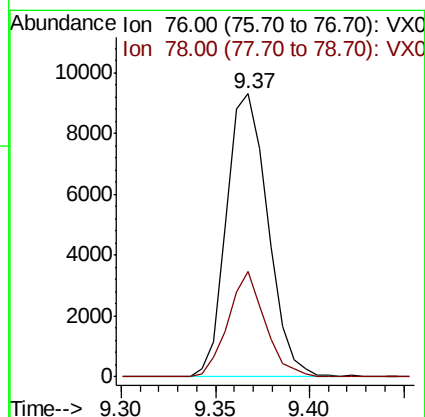
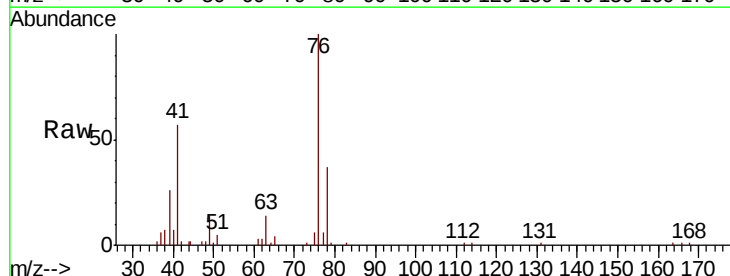
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

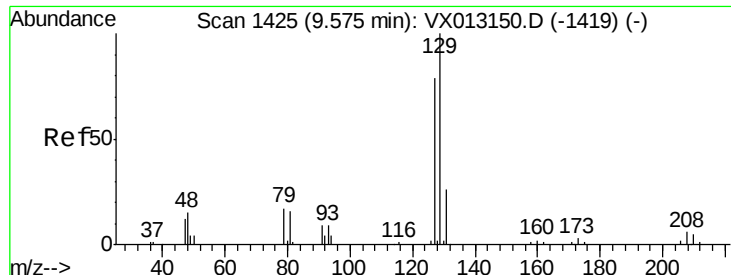
Tot Ion: 69 Resp: 12269
Ion Ratio Lower Upper
69 100
41 65.5 31.6 95.0
39 34.8 17.7 53.1



#52
1,3-Dichloropropane
Concen: 4.766 ug/l
RT: 9.37 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 76 Resp: 14219
Ion Ratio Lower Upper
76 100
78 33.2 0.0 64.6

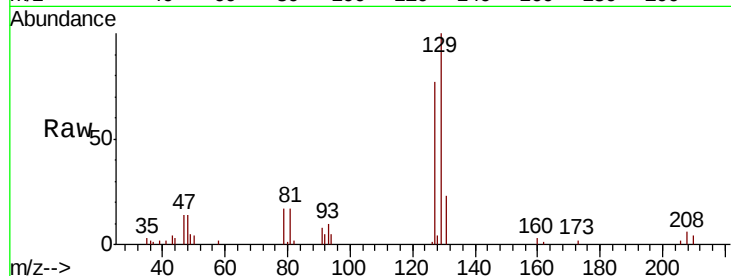




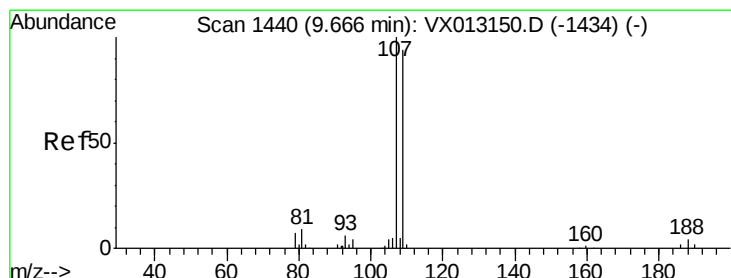
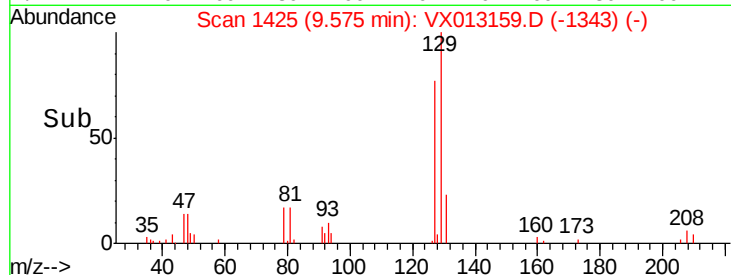
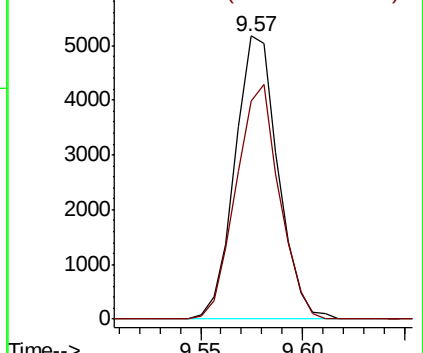
#53
 Dibromochloromethane
 Concen: 3.965 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion:129 Resp: 7576
 Ion Ratio Lower Upper
 129 100
 127 83.4 39.4 118.2

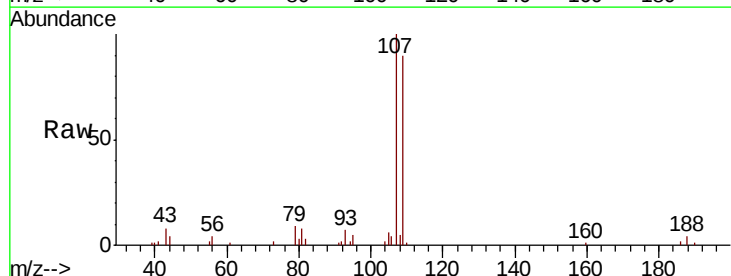


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

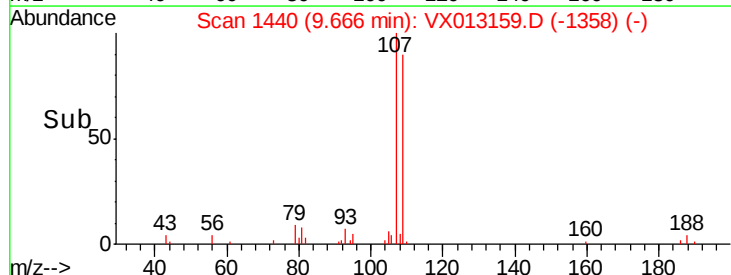
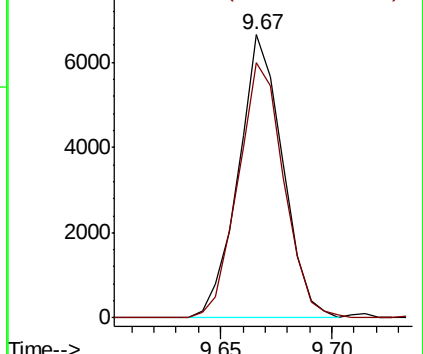


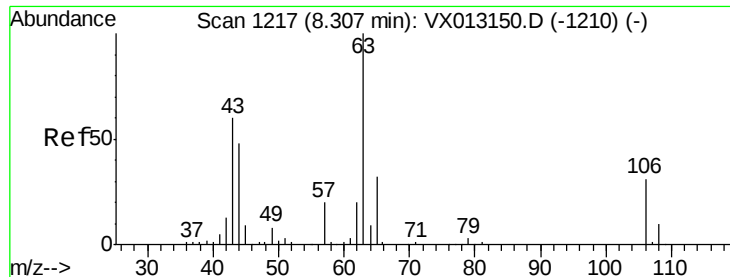
#54
 1,2-Dibromoethane
 Concen: 4.872 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion:107 Resp: 9228
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

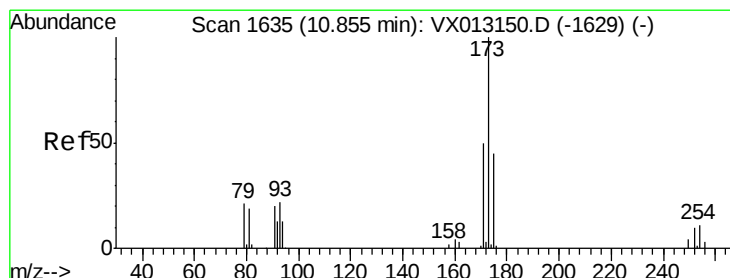
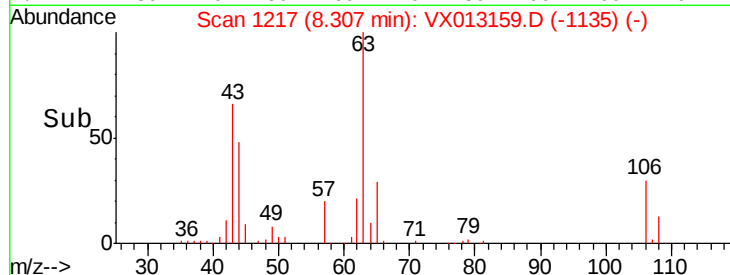
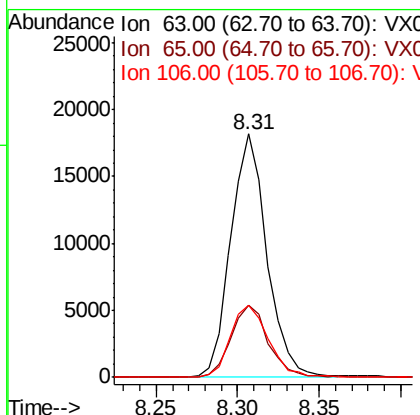
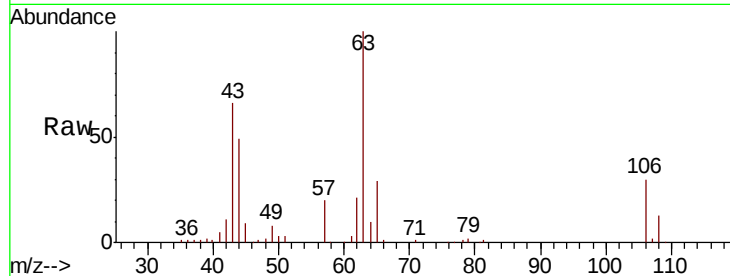




#55
2-Chloroethyl vinyl ether
Concen: 24.903 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

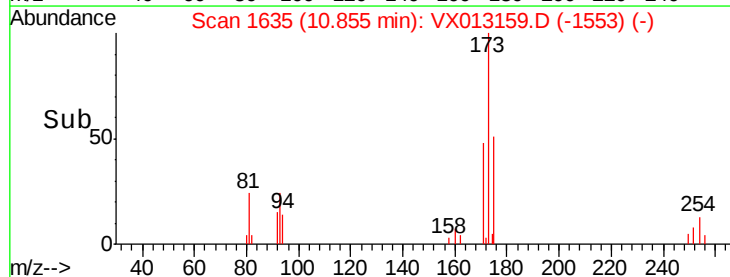
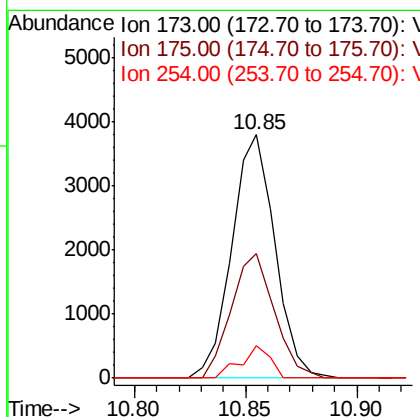
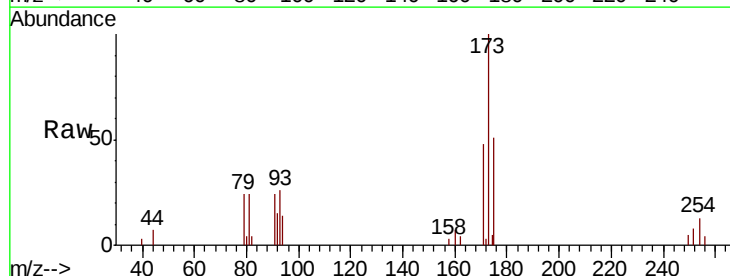
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

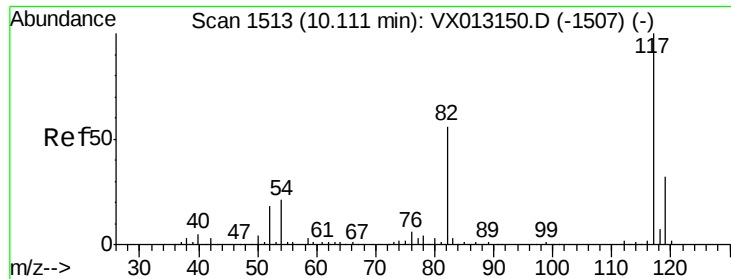
Tot Ion: 63 Resp: 28100
Ion Ratio Lower Upper
63 100
65 30.5 25.5 38.3
106 30.9 24.8 37.2



#56
Bromoform
Concen: 3.777 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 173 Resp: 5121
Ion Ratio Lower Upper
173 100
175 51.0 39.0 58.4
254 9.1 8.1 12.1

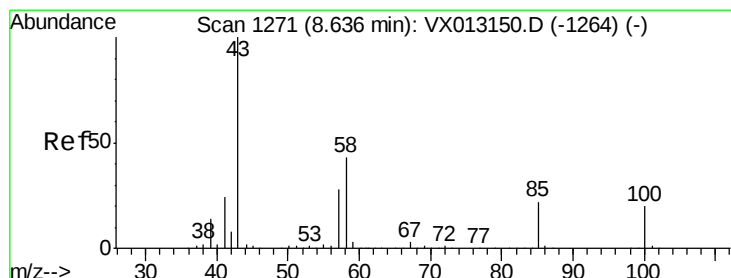
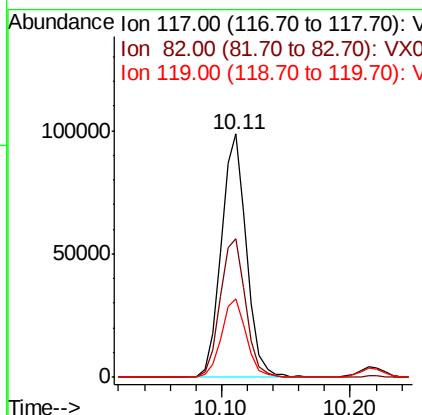
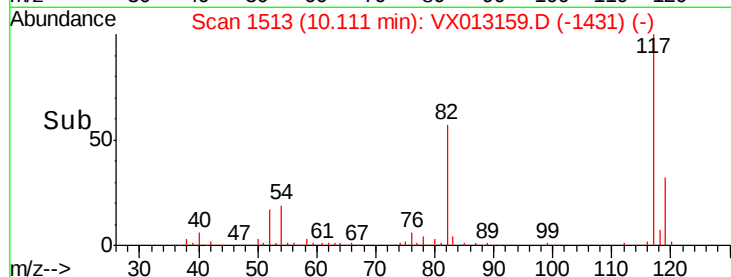
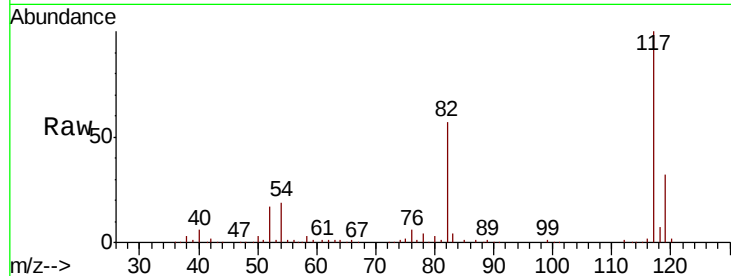




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

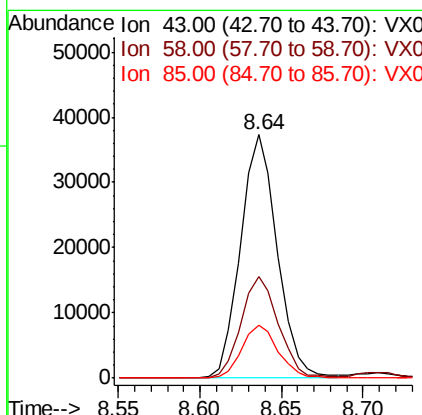
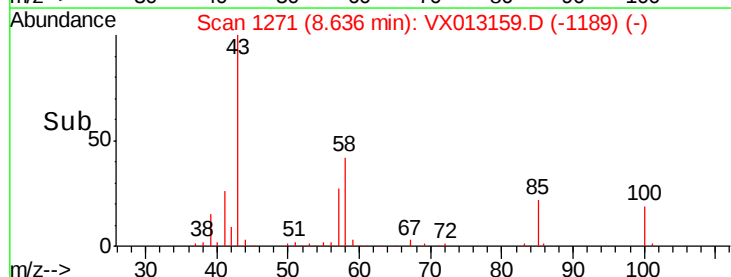
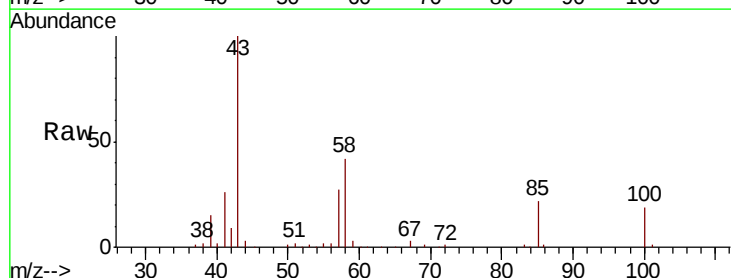
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

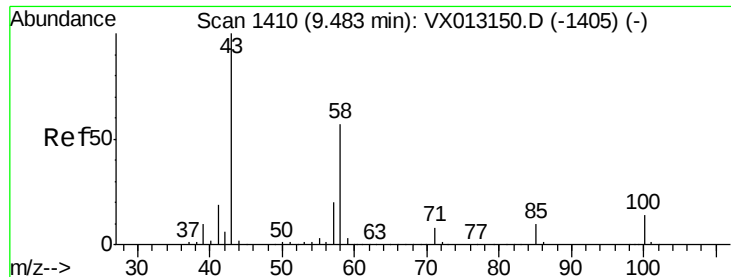
Tot Ion:117 Resp: 135083
Ion Ratio Lower Upper
117 100
82 58.2 46.0 69.0
119 32.0 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 25.748 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 43 Resp: 58608
Ion Ratio Lower Upper
43 100
58 42.6 33.8 50.8
85 21.6 16.8 25.2

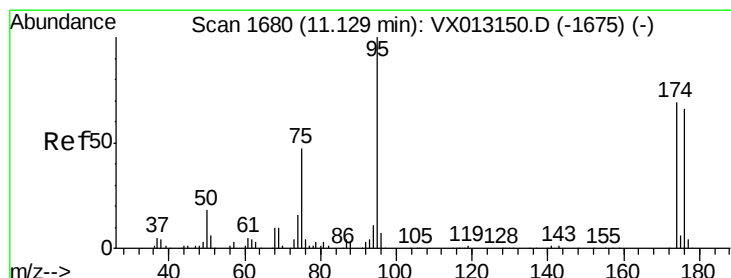
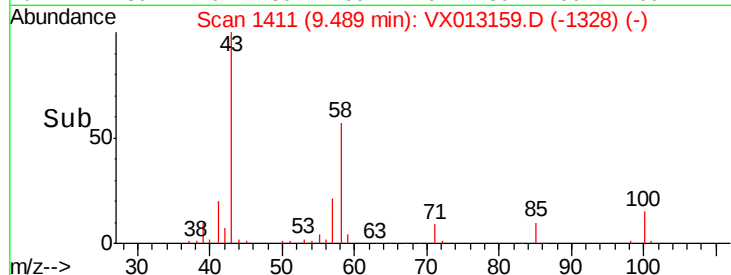
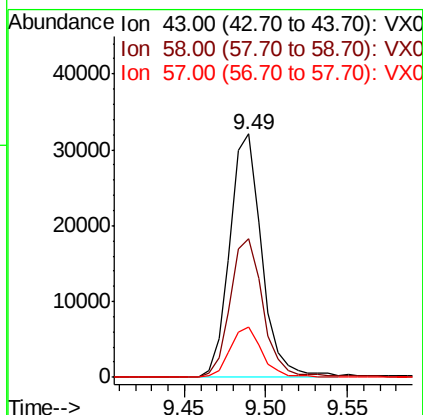
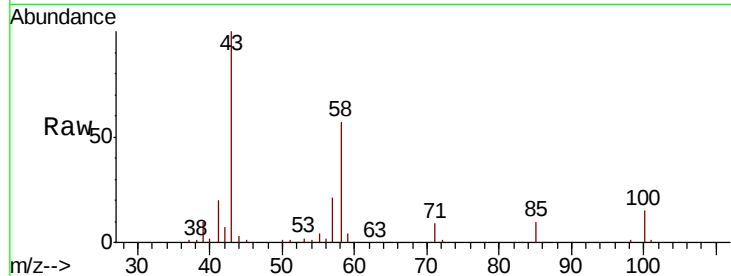




#59
2-Hexanone
Concen: 24.679 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

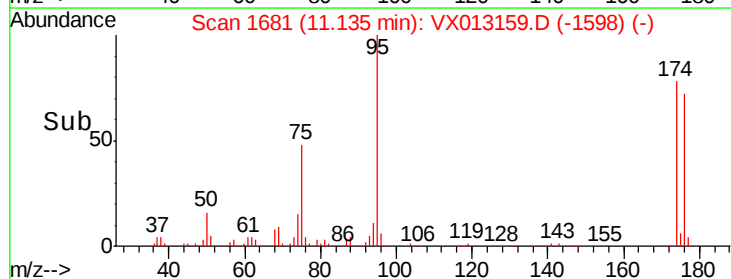
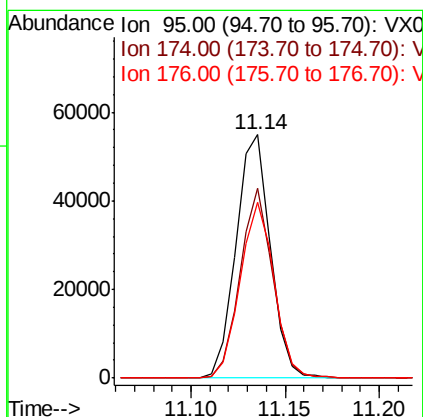
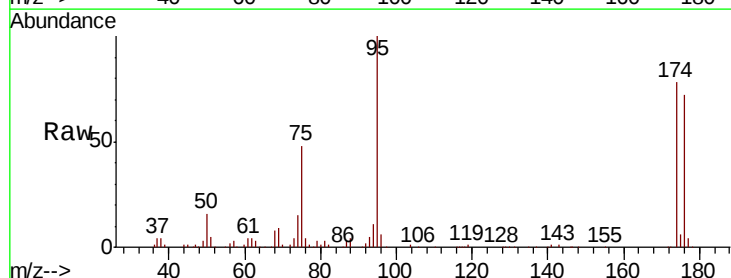
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

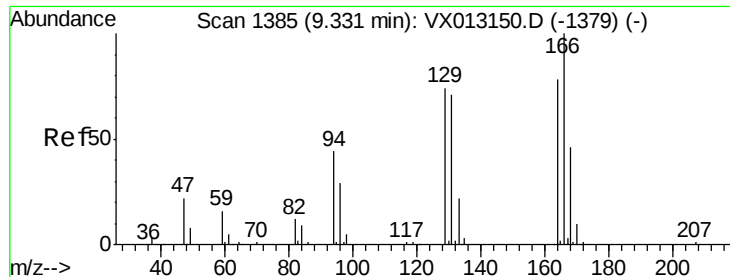
Tot Ion: 43 Resp: 44024
Ion Ratio Lower Upper
43 100
58 57.3 46.6 69.8
57 20.7 16.9 25.3



#60
4-Bromofluorobenzene
Concen: 29.477 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 95 Resp: 69336
Ion Ratio Lower Upper
95 100
174 74.2 60.0 90.0
176 71.6 58.5 87.7

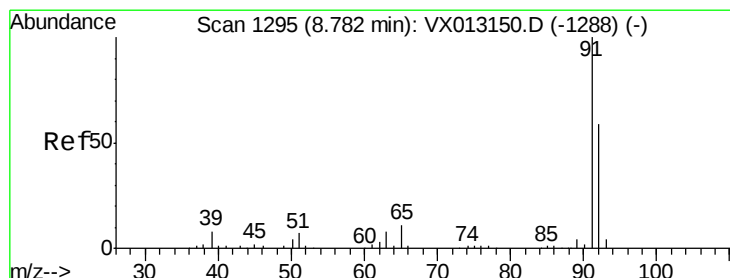
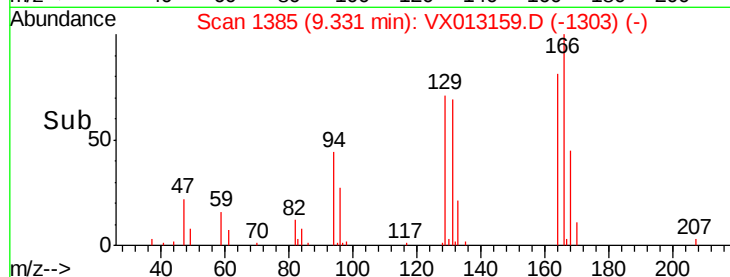
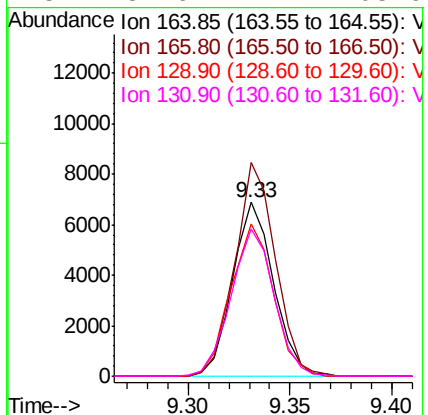
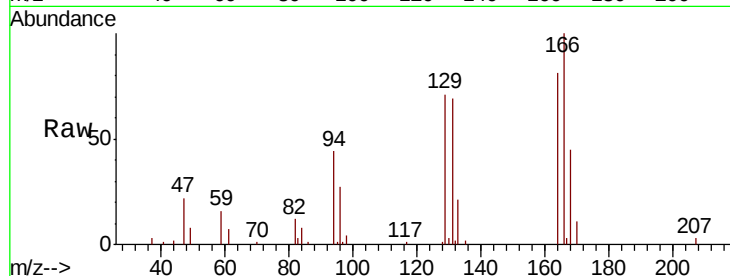




#61
Tetrachloroethene
Concen: 5.350 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

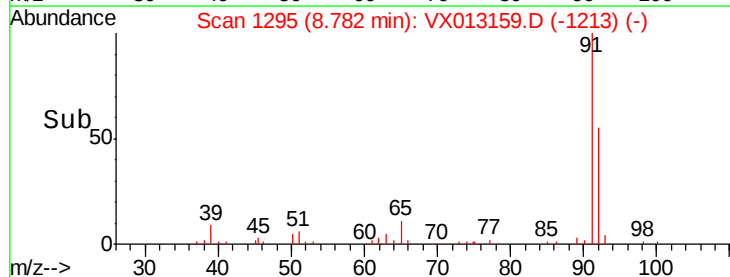
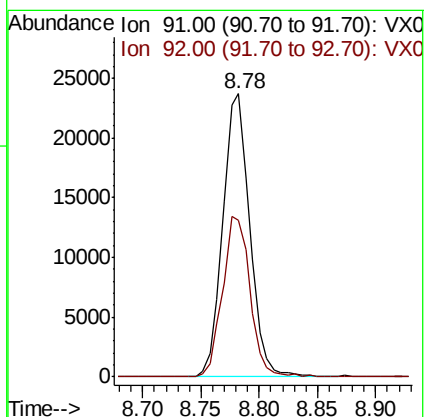
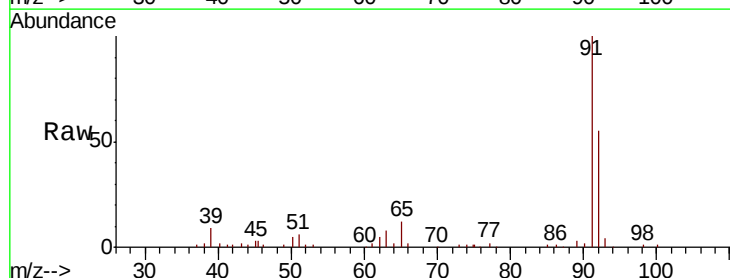
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

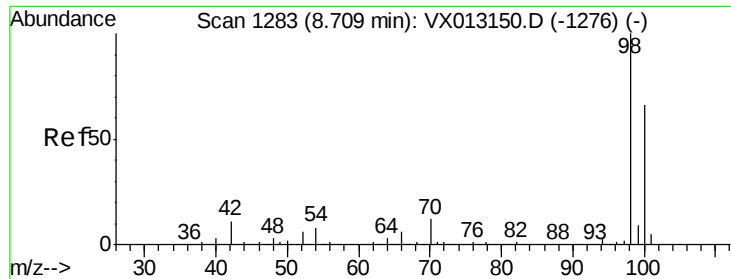
Tot Ion:164 Resp: 9581
Ion Ratio Lower Upper
164 100
166 123.0 102.6 153.8
129 87.5 75.7 113.5
131 84.6 72.4 108.6



#62
Toluene
Concen: 5.217 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 91 Resp: 38044
Ion Ratio Lower Upper
91 100
92 57.5 47.7 71.5





#63

Toluene-d8

Concen: 30.864 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

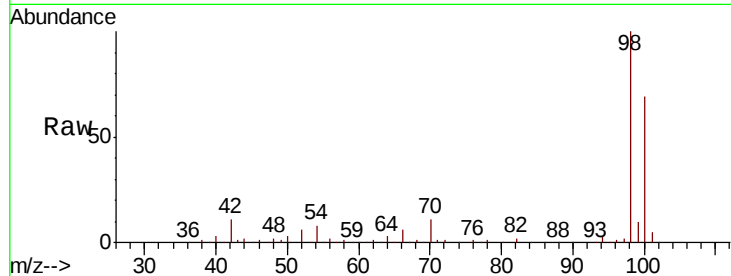
LOQ-WATER-02-QT4-2019

Tot Ion: 98 Resp: 185434

Ion Ratio Lower Upper

98 100

100 67.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX013150.D (-1276) (-)

Ion 100.00 (99.70 to 100.70): VX013159.D (-1201) (-)

8.71

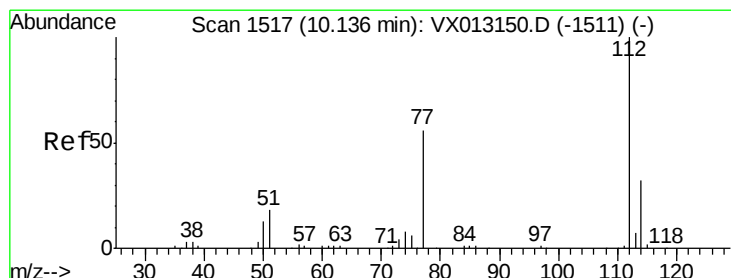
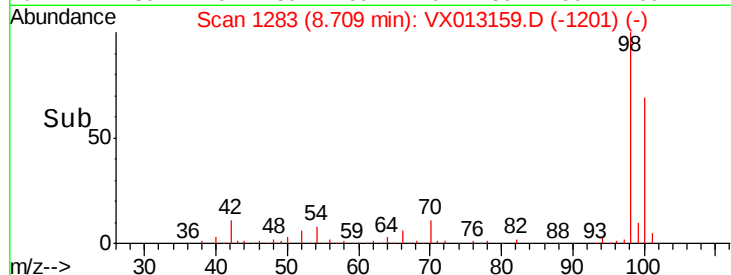
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 4.990 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013159.D

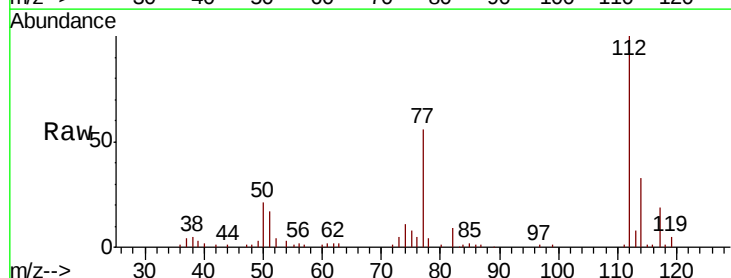
Acq: 21 Oct 2019 18:04

Tgt Ion: 112 Resp: 23330

Ion Ratio Lower Upper

112 100

114 33.3 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VX013150.D (-1511) (-)

Ion 114.00 (113.70 to 114.70): VX013159.D (-1435) (-)

20000

15000

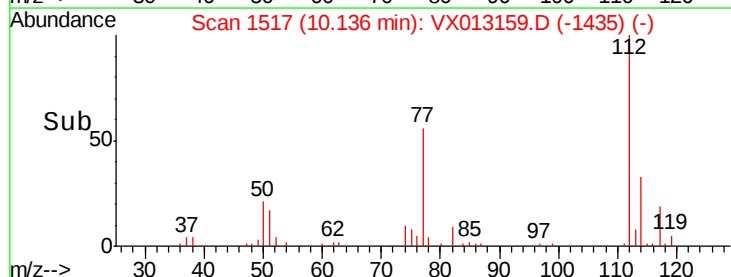
10000

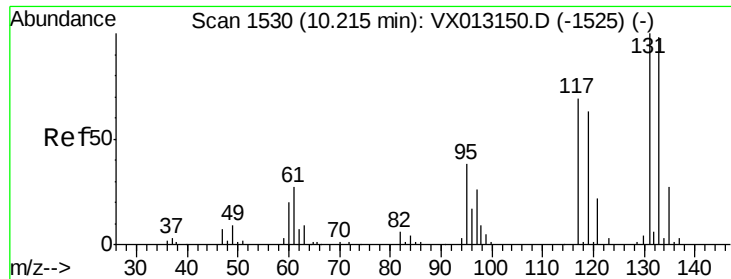
5000

0

10.10 10.15

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 4.543 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

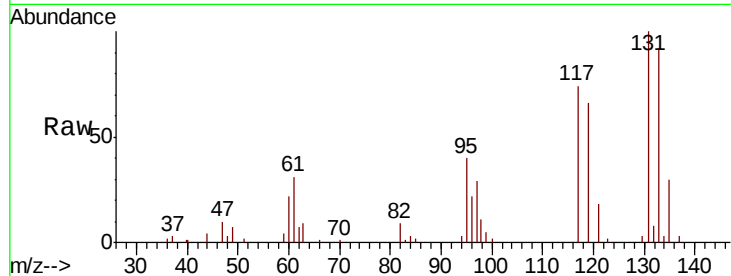
Tot Ion:131 Resp: 7957

Ion Ratio Lower Upper

131 100

133 92.6 0.0 191.0

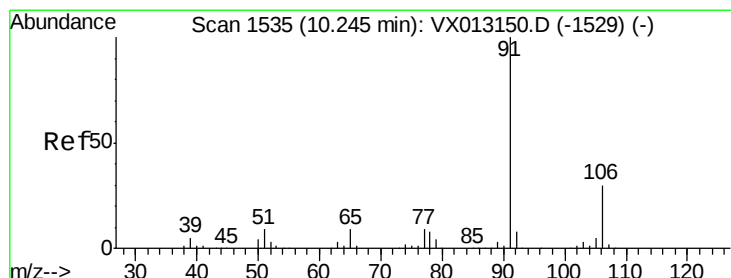
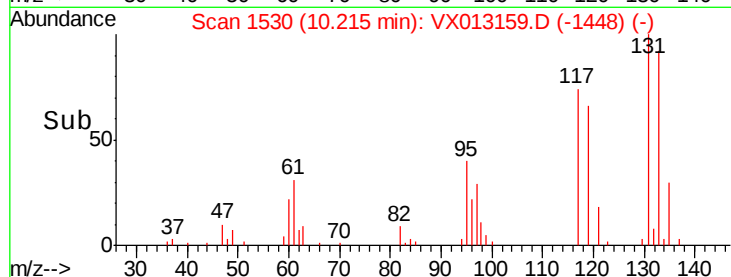
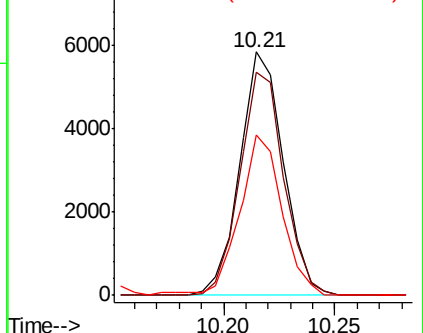
119 63.2 0.0 125.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 4.752 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX013159.D

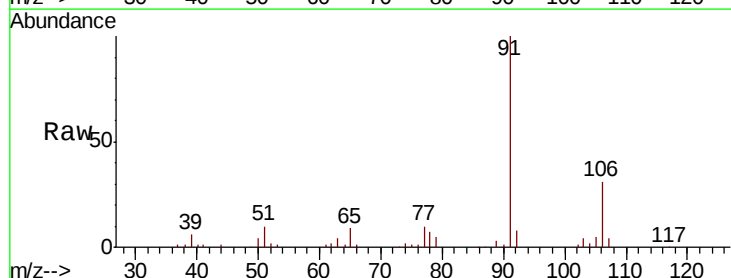
Acq: 21 Oct 2019 18:04

Tgt Ion: 91 Resp: 39882

Ion Ratio Lower Upper

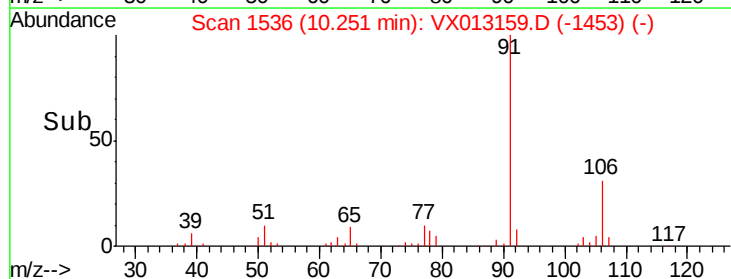
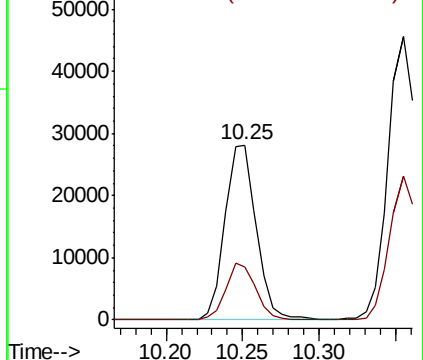
91 100

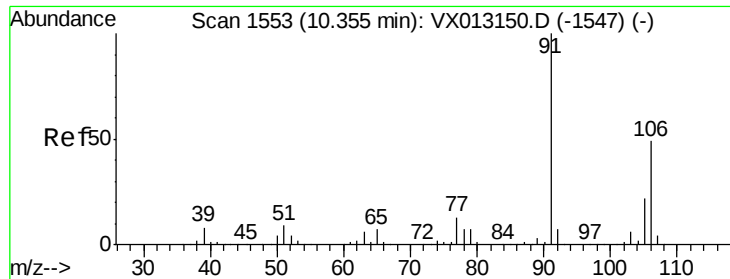
106 30.5 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

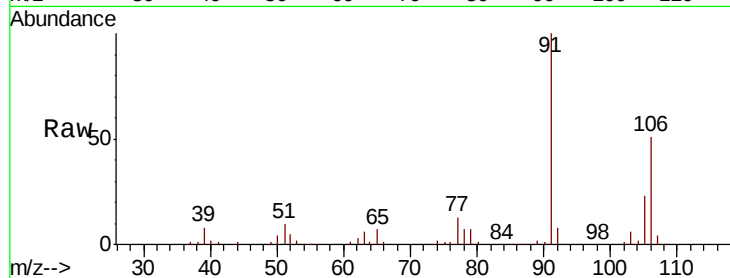




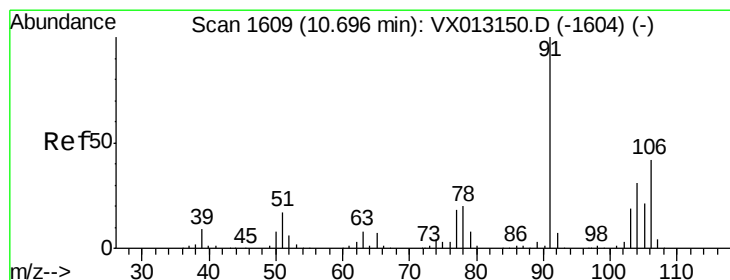
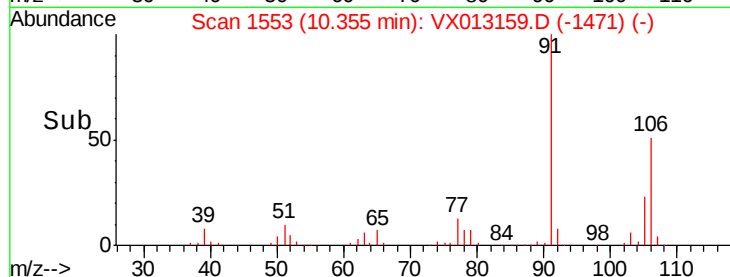
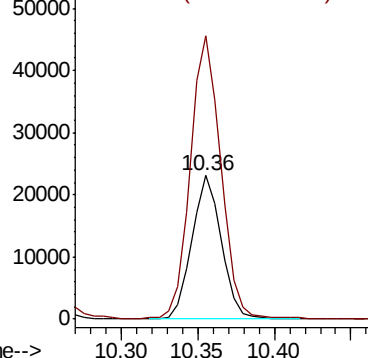
#67
m/p-Xylenes
Concen: 9.678 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:106 Resp: 30872
Ion Ratio Lower Upper
106 100
91 202.8 163.7 245.5

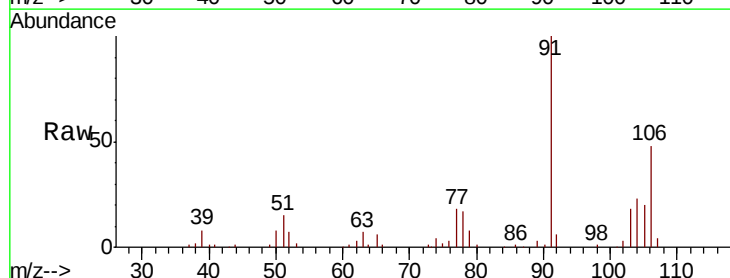


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

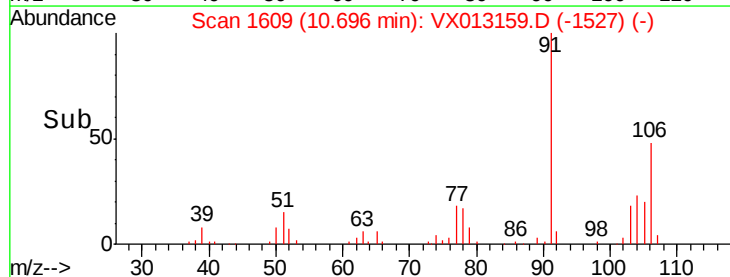
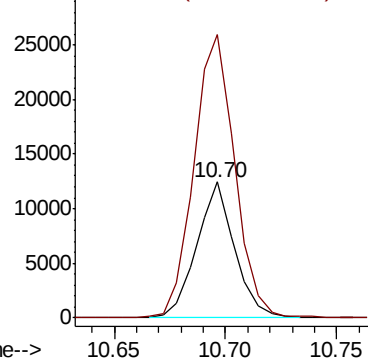


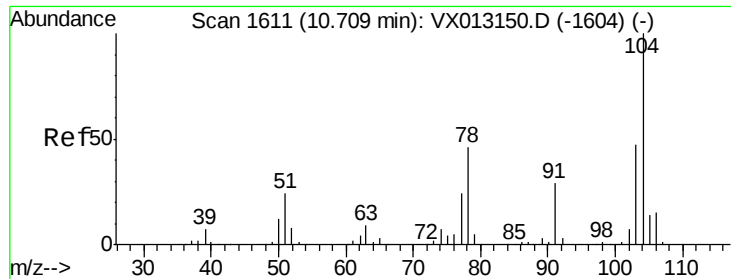
#68
o-Xylene
Concen: 4.835 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion:106 Resp: 14723
Ion Ratio Lower Upper
106 100
91 222.7 113.6 340.8



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

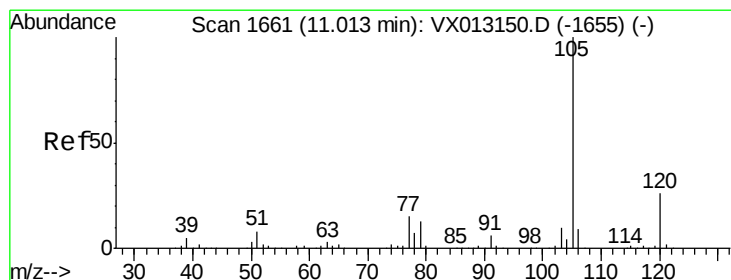
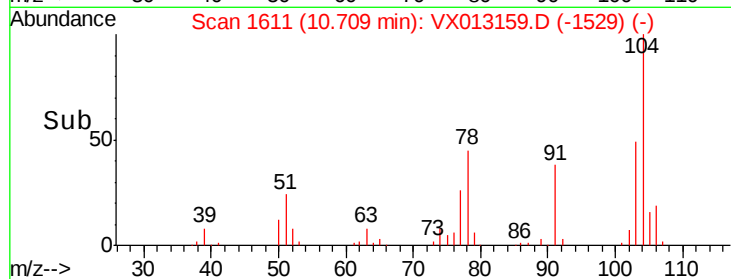
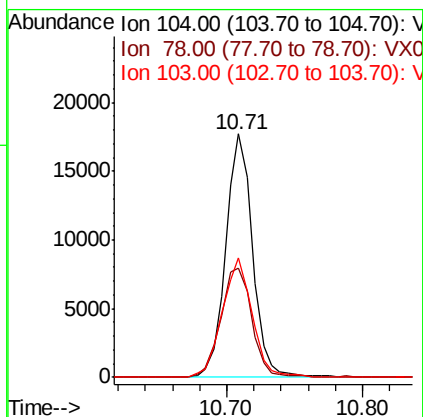
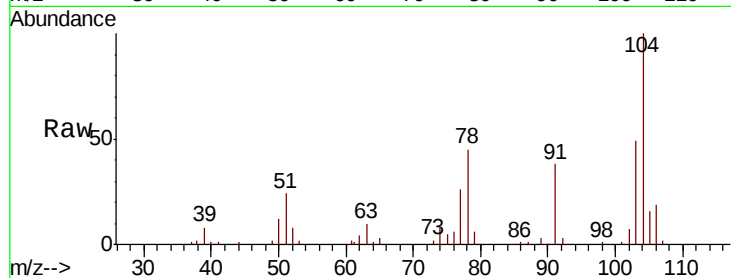




#69
Stvrene
Concen: 4.624 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

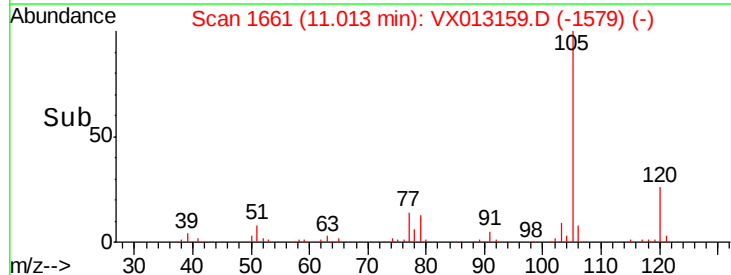
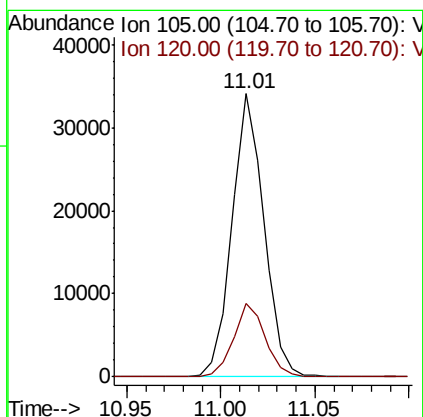
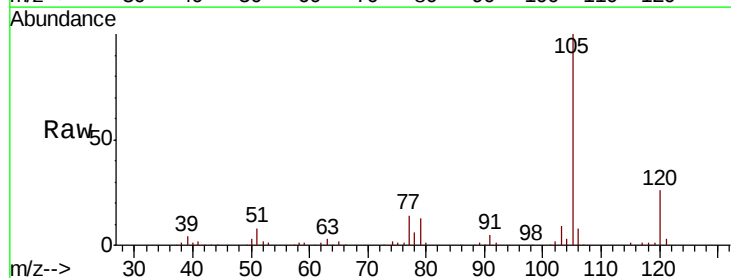
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

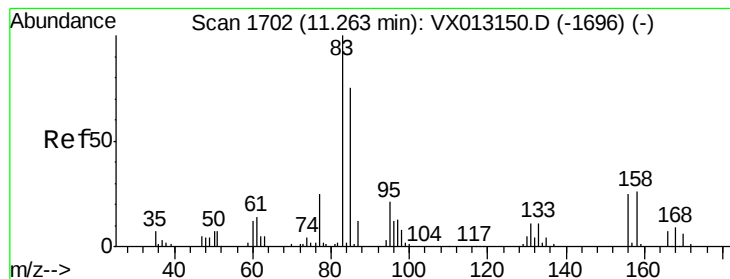
Tot Ion:104 Resp: 24229
Ion Ratio Lower Upper
104 100
78 52.4 42.3 63.5
103 54.9 42.2 63.2



#70
Isopropylbenzene
Concen: 4.799 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion:105 Resp: 40095
Ion Ratio Lower Upper
105 100
120 25.5 18.1 33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 4.895 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

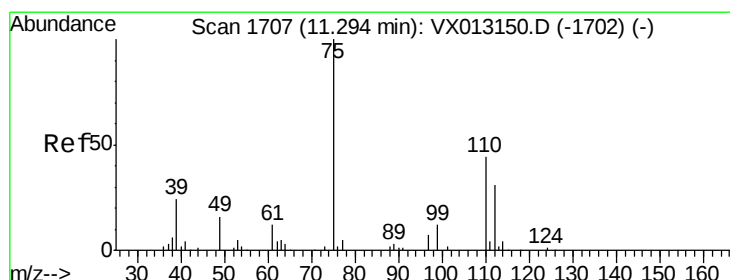
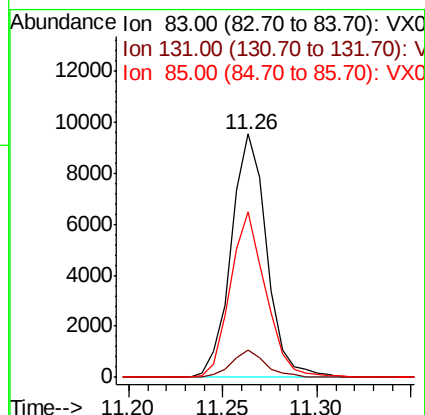
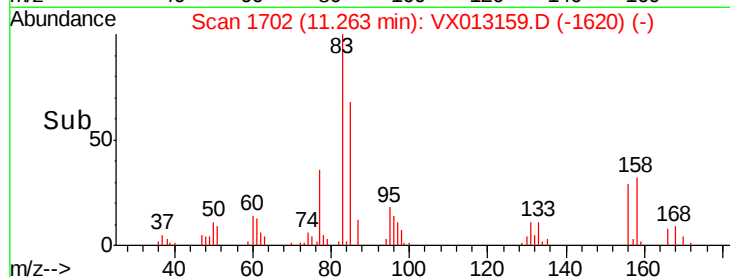
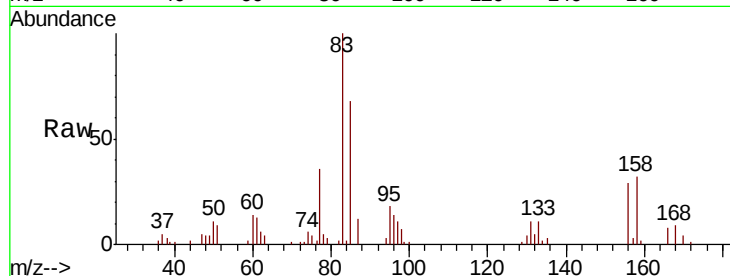
Tot Ion: 83 Resp: 12532

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

85 67.8 32.9 98.6



#72

1,2,3-Trichloropropane

Concen: 6.539 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013159.D

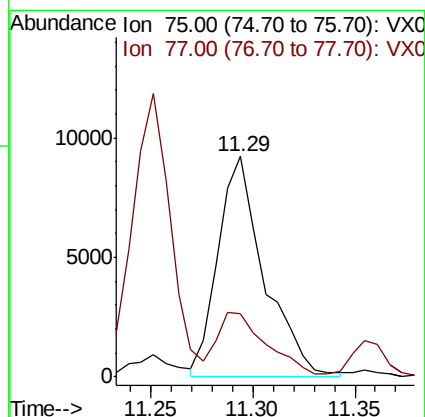
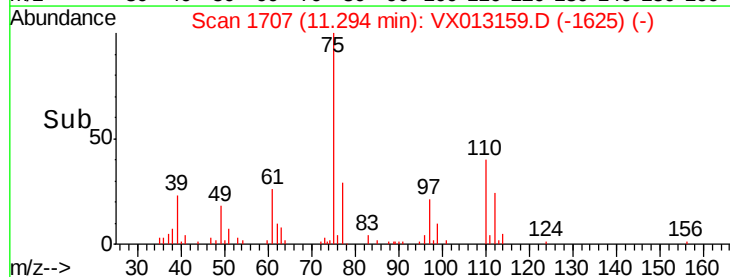
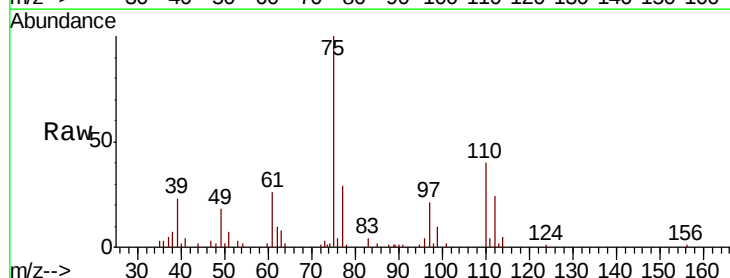
Acq: 21 Oct 2019 18:04

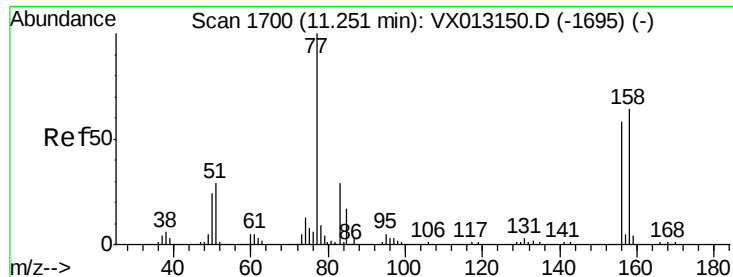
Tgt Ion: 75 Resp: 14542

Ion Ratio Lower Upper

75 100

77 31.2 0.0 74.0





#73

Bromobenzene

Concen: 4.579 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

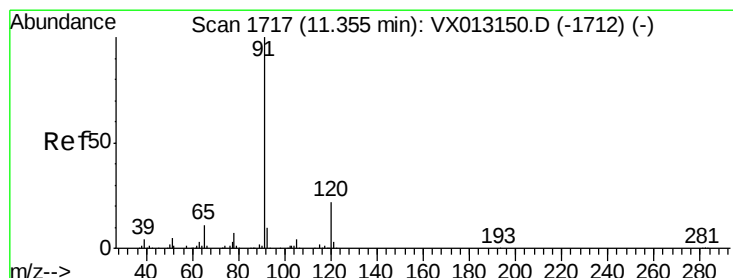
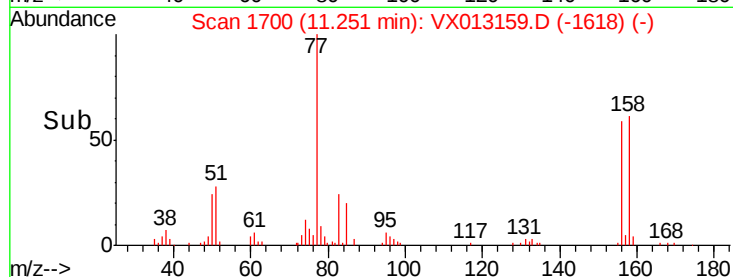
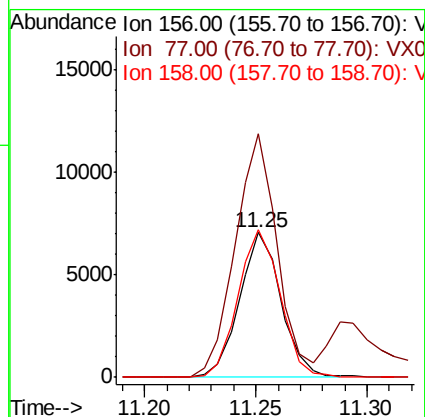
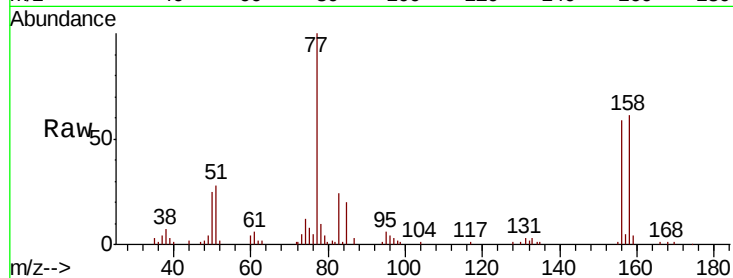
Tot Ion:156 Resp: 9182

Ion Ratio Lower Upper

156 100

77 169.2 0.0 328.0

158 102.8 0.0 196.2



#74

n-propylbenzene

Concen: 4.590 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013159.D

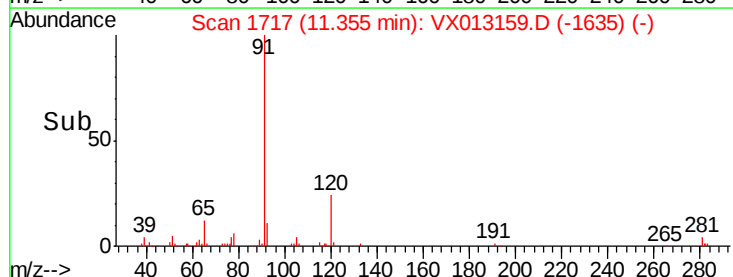
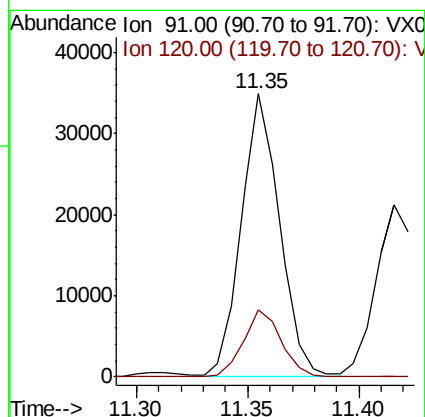
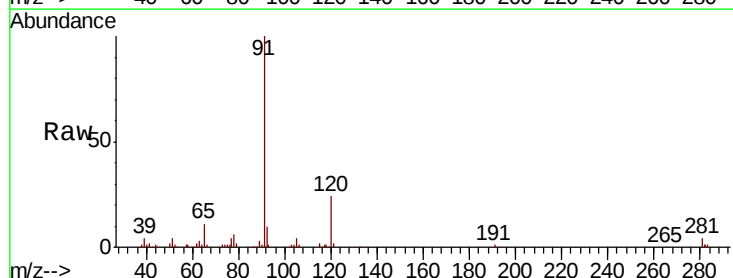
Acq: 21 Oct 2019 18:04

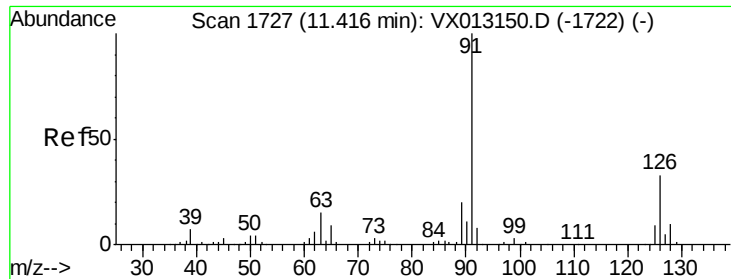
Tgt Ion: 91 Resp: 42097

Ion Ratio Lower Upper

91 100

120 23.4 0.0 45.2





#75

2-Chlorotoluene

Concen: 4.765 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

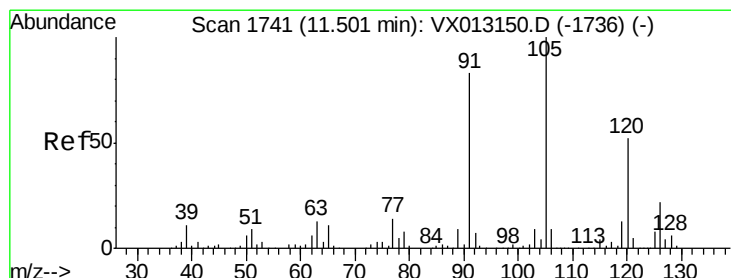
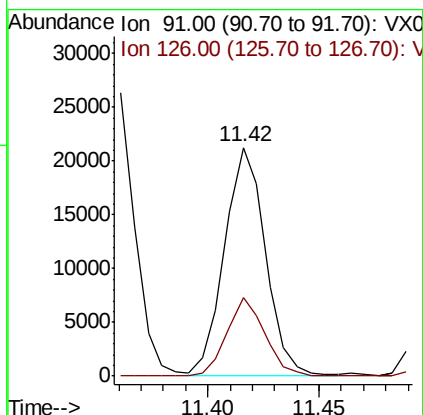
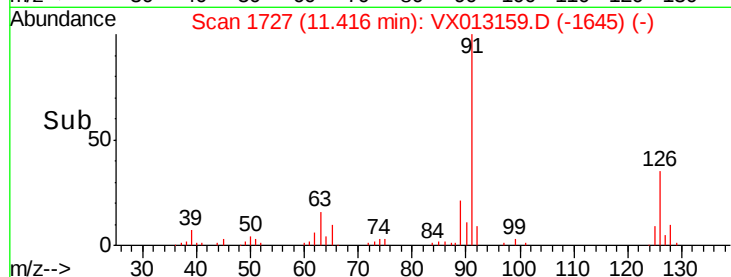
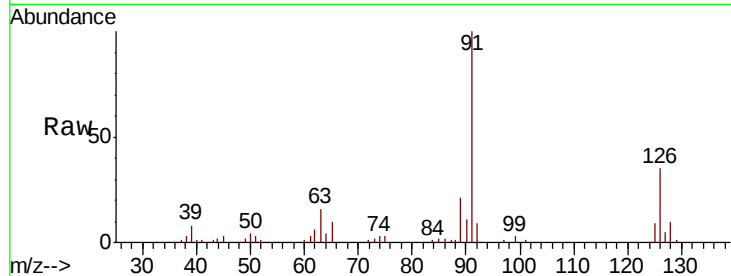
LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 27343

Ion Ratio Lower Upper

91 100

126 31.9 0.0 63.8



#76

1,3,5-Trimethylbenzene

Concen: 4.638 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013159.D

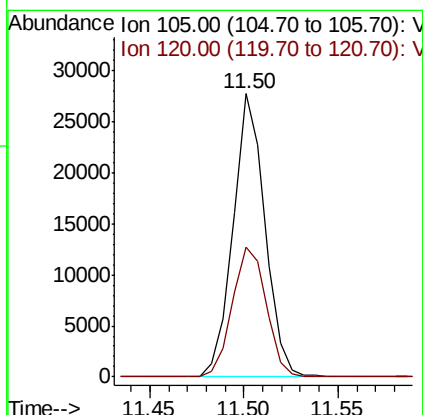
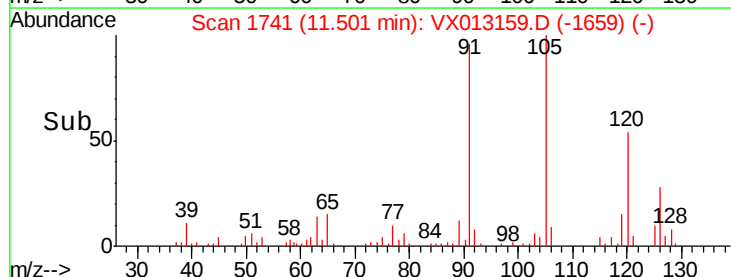
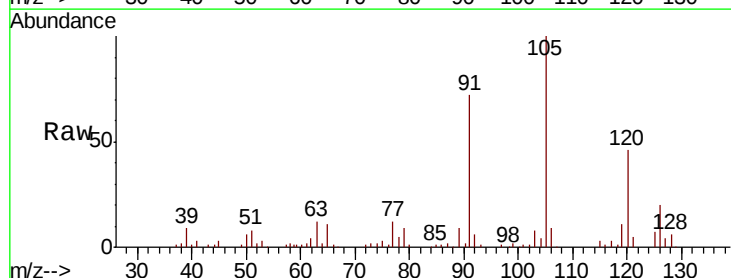
Acq: 21 Oct 2019 18:04

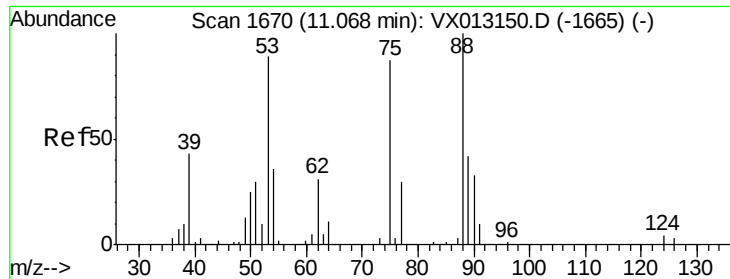
Tgt Ion: 105 Resp: 32531

Ion Ratio Lower Upper

105 100

120 48.8 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 3.736 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

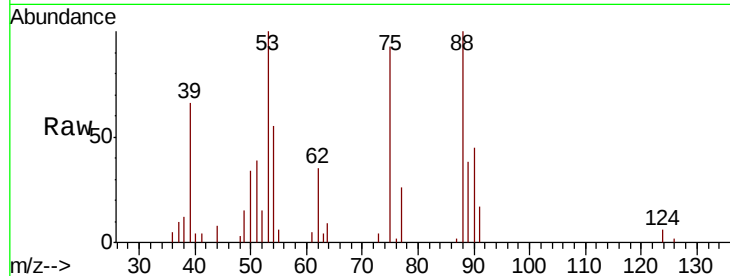
Tot Ion: 75 Resp: 3226

Ion Ratio Lower Upper

75 100

53 106.8 51.1 153.4

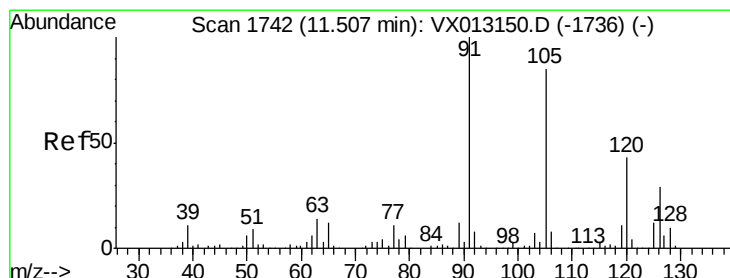
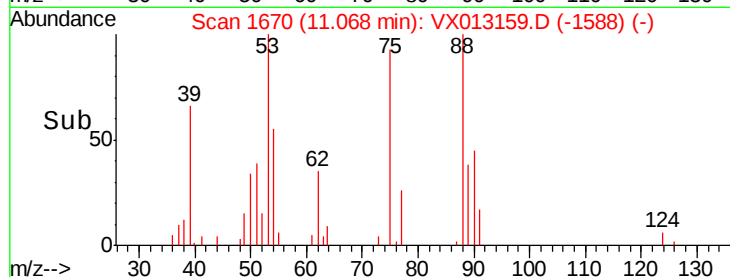
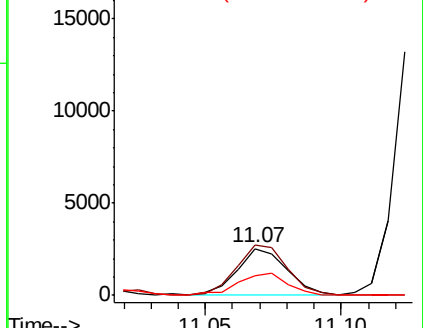
89 40.8 24.1 72.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 4.741 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013159.D

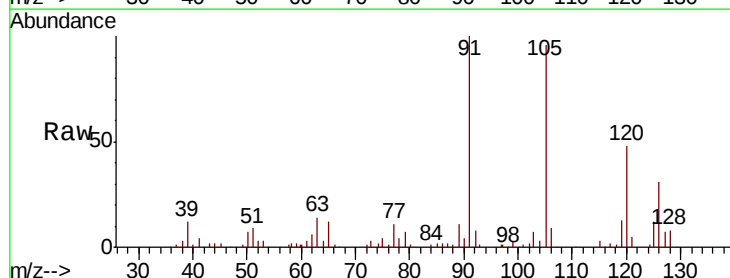
Acq: 21 Oct 2019 18:04

Tgt Ion: 91 Resp: 31090

Ion Ratio Lower Upper

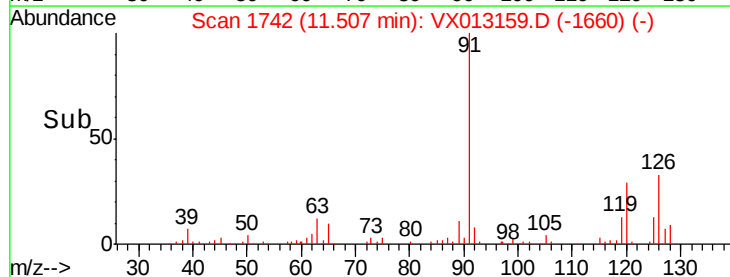
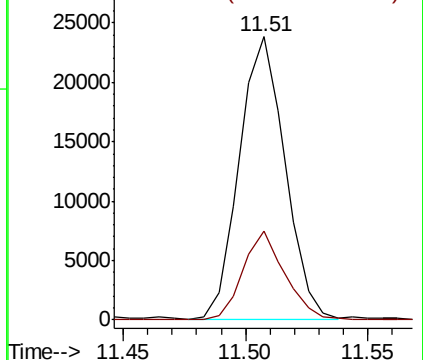
91 100

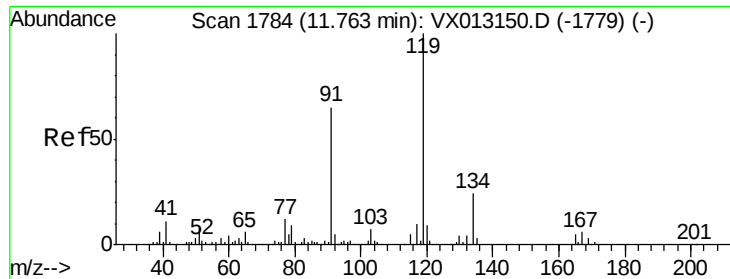
126 28.6 0.0 58.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

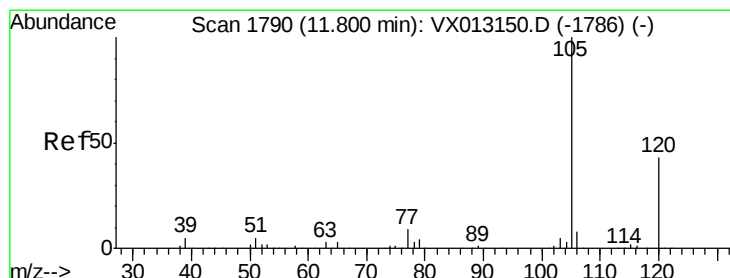
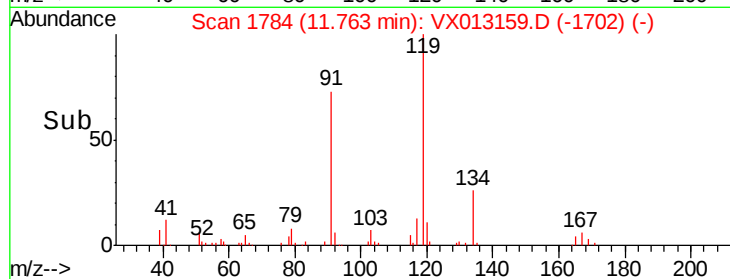
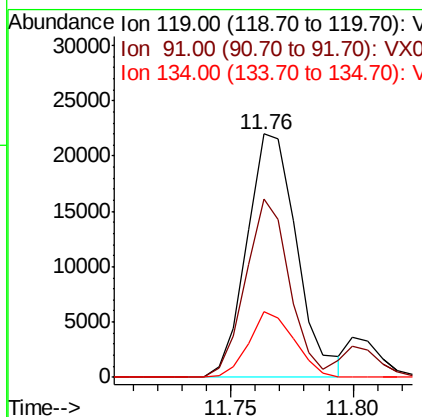
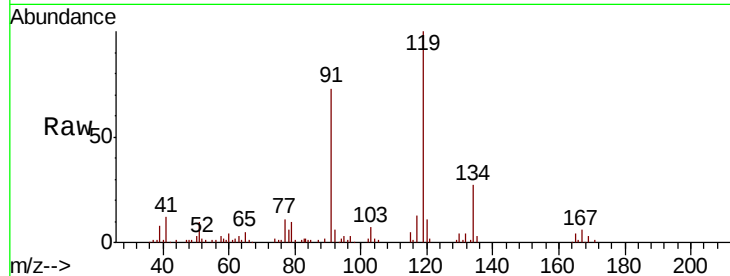




#79
tert-butylbenzene
Concen: 4.626 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

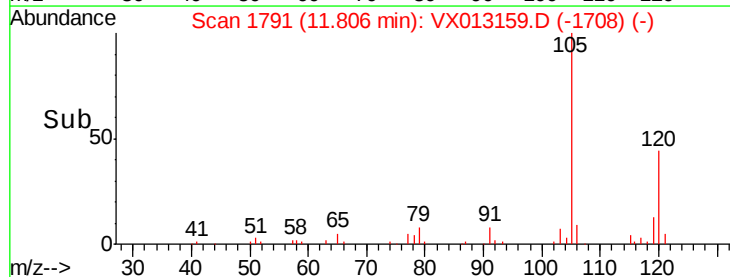
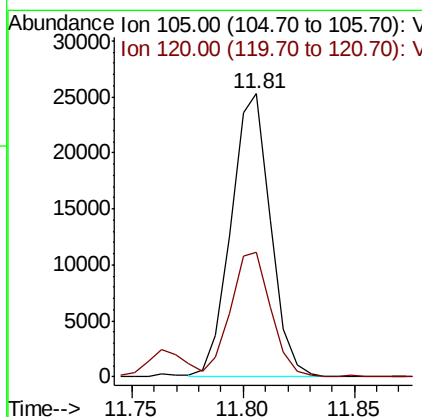
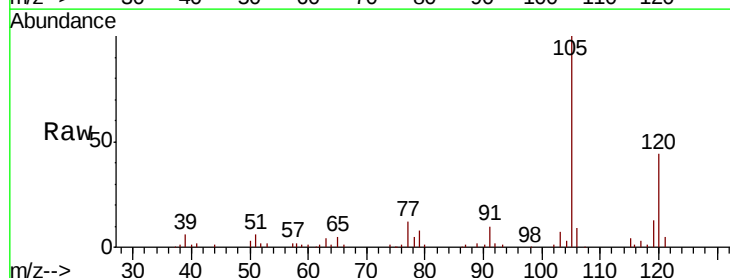
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

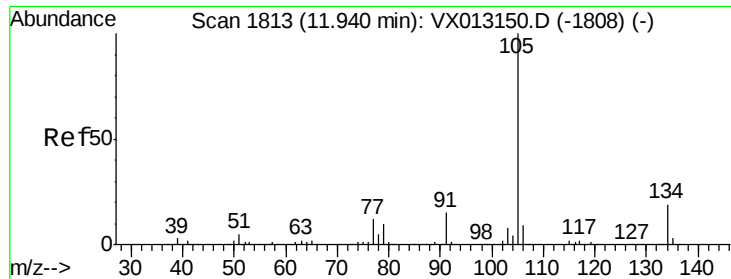
Tot Ion:119 Resp: 31245
Ion Ratio Lower Upper
119 100
91 64.5 0.0 128.4
134 24.5 0.0 49.0



#80
1,2,4-Trimethylbenzene
Concen: 4.465 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion:105 Resp: 31284
Ion Ratio Lower Upper
105 100
120 45.1 0.0 87.4

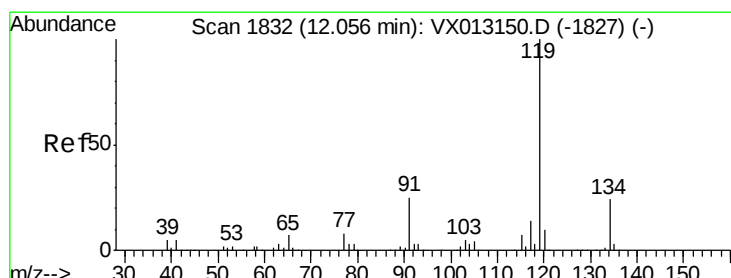
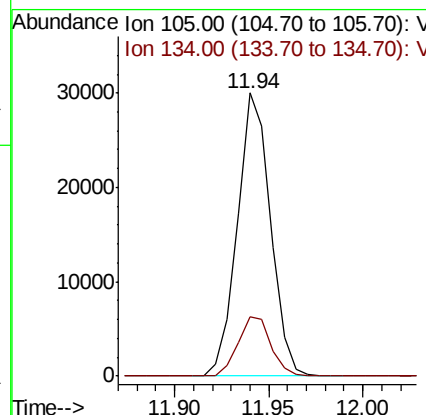
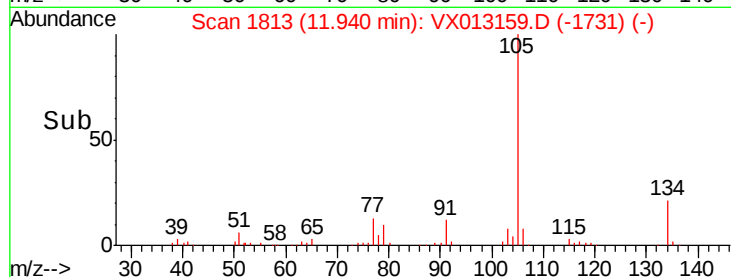
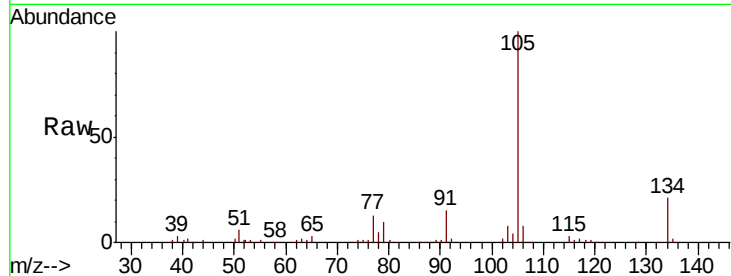




#81
 sec-Butylbenzene
 Concen: 4.552 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

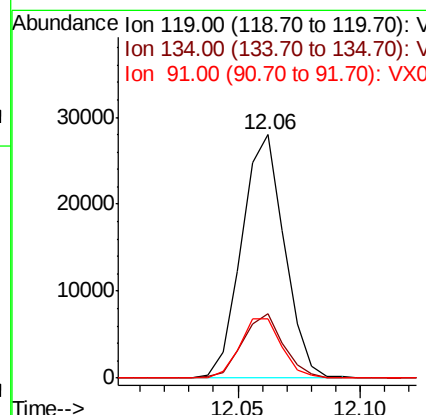
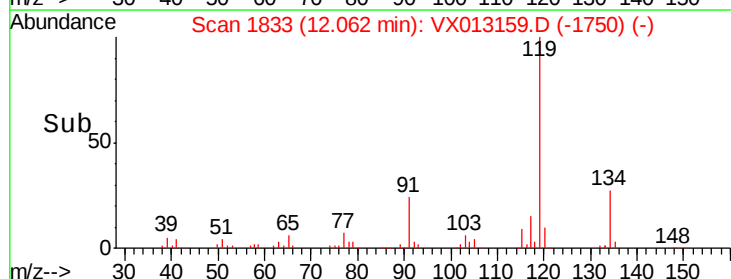
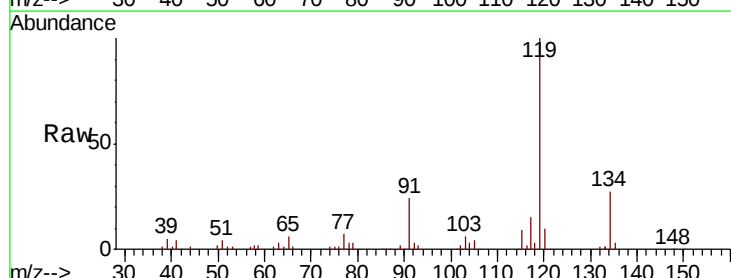
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

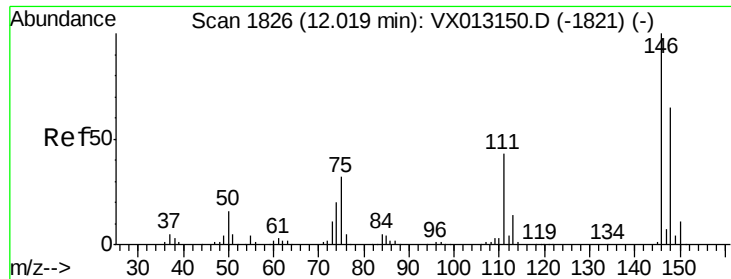
Tot Ion:105 Resp: 36623
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 4.635 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion:119 Resp: 34098
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 51.6
 91 24.3 0.0 50.0

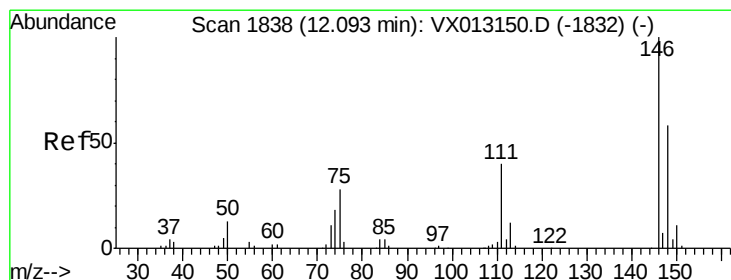
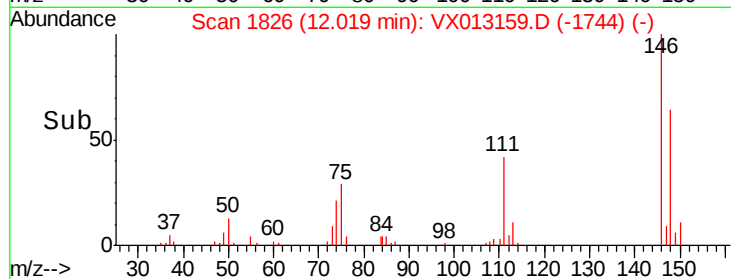
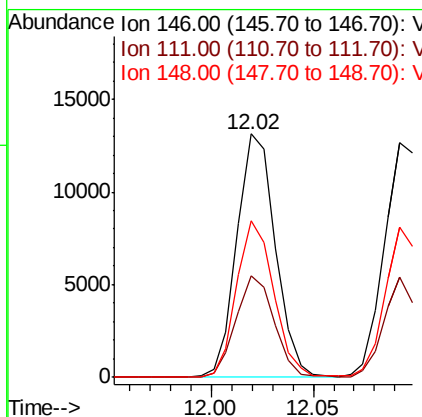
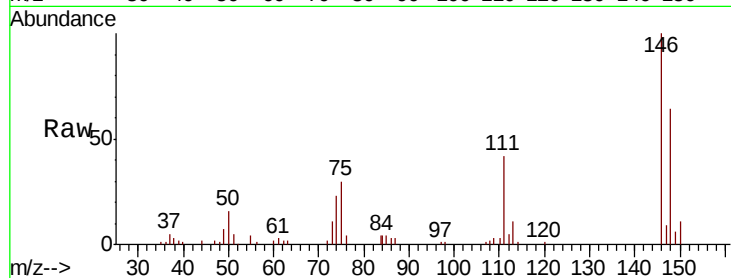




#83
 1,3-Dichlorobenzene
 Concen: 4.705 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

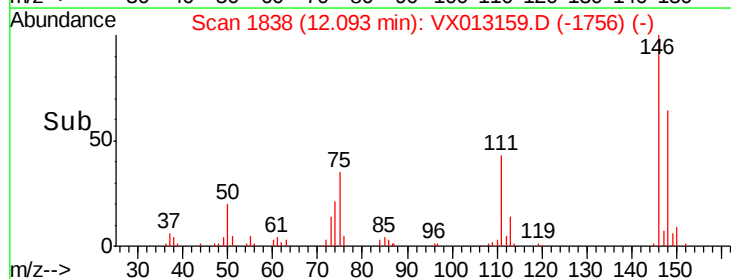
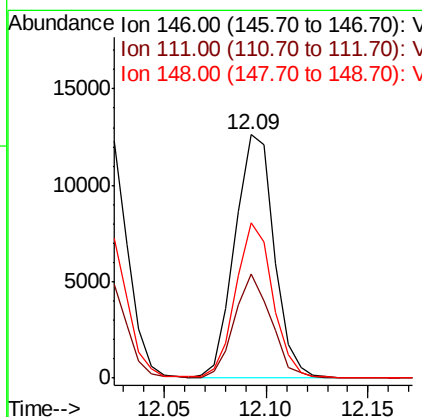
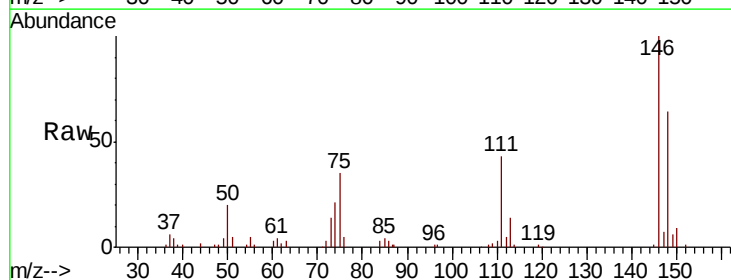
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

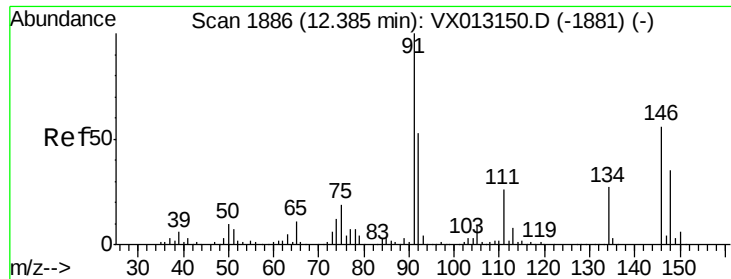
Tot Ion:146 Resp: 17230
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.8 65.4
 148 61.9 31.2 93.6



#84
 1,4-Dichlorobenzene
 Concen: 4.682 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion:146 Resp: 16957
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.3 60.9
 148 60.0 31.4 94.2

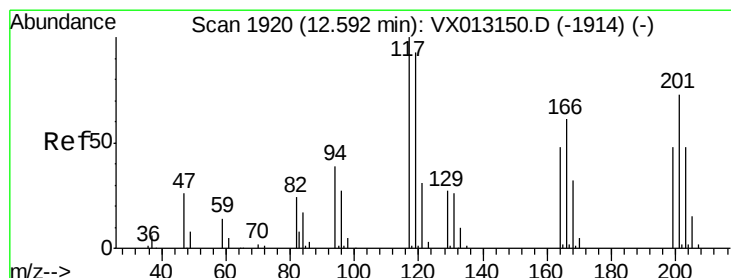
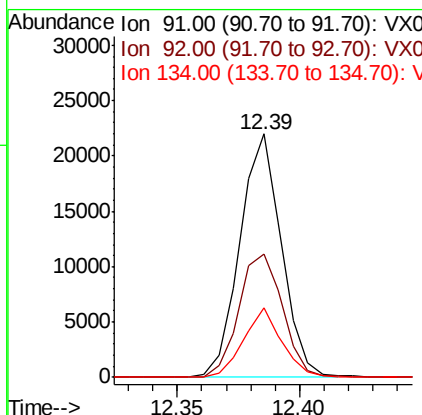
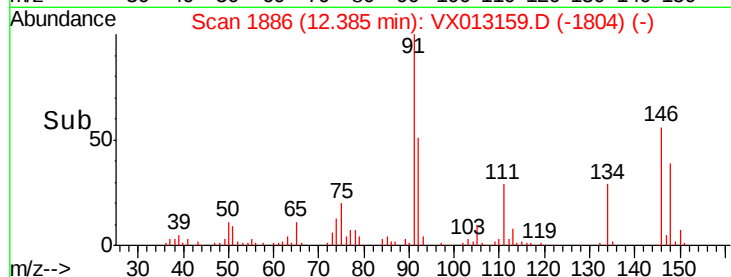
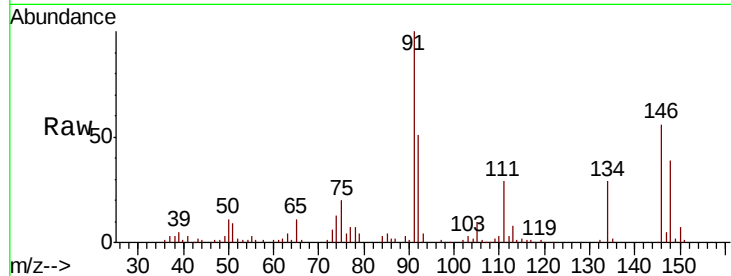




#85
n-Butylbenzene
Concen: 4.162 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

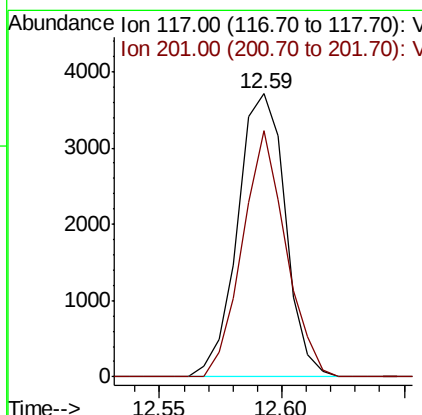
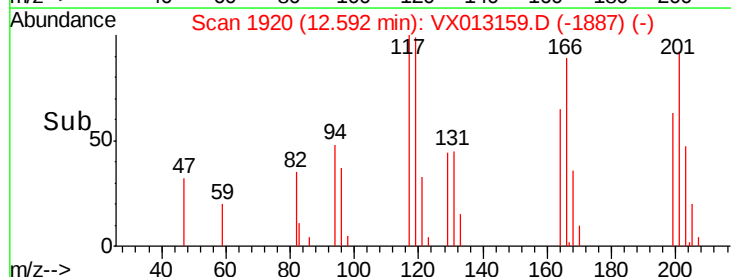
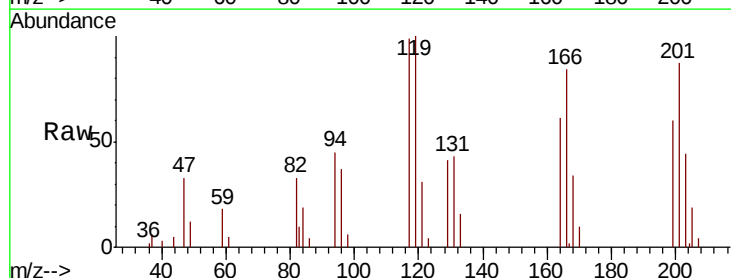
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

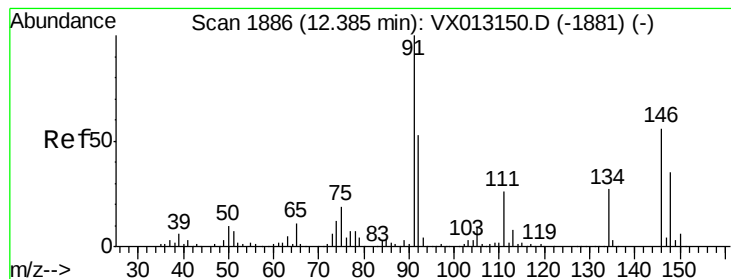
Tot Ion: 91 Resp: 26005
Ion Ratio Lower Upper
91 100
92 53.2 0.0 106.8
134 26.0 0.0 52.4



#86
Hexachloroethane
Concen: 3.927 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 117 Resp: 5042
Ion Ratio Lower Upper
117 100
201 79.5 35.9 107.5





#87

1,2-Dichlorobenzene

Concen: 4.763 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

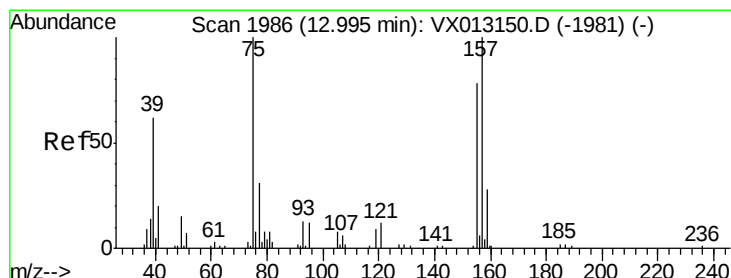
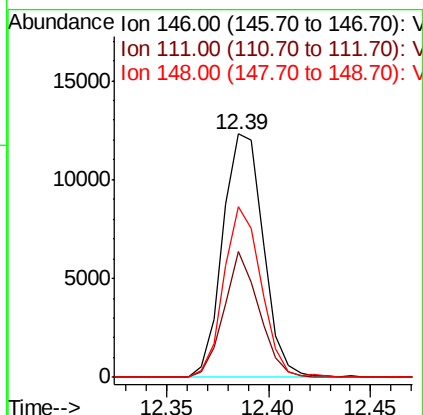
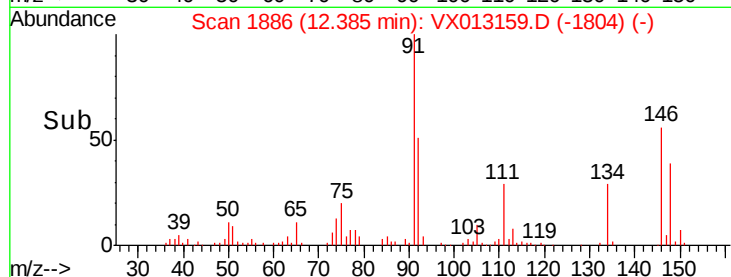
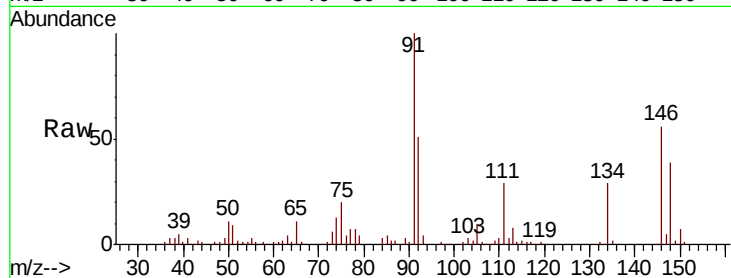
Tot Ion:146 Resp: 16920

Ion Ratio Lower Upper

146 100

111 44.4 22.5 67.5

148 64.2 31.4 94.2



#88

1,2-Dibromo-3-Chloropropane

Concen: 4.242 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

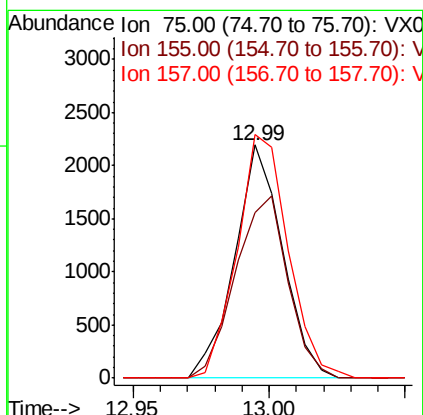
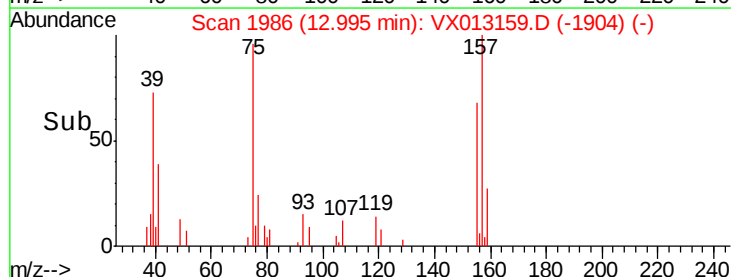
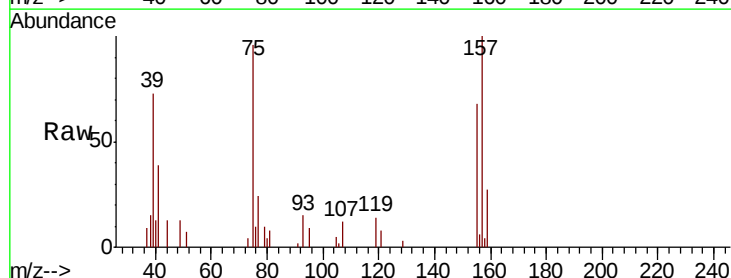
Tgt Ion: 75 Resp: 2676

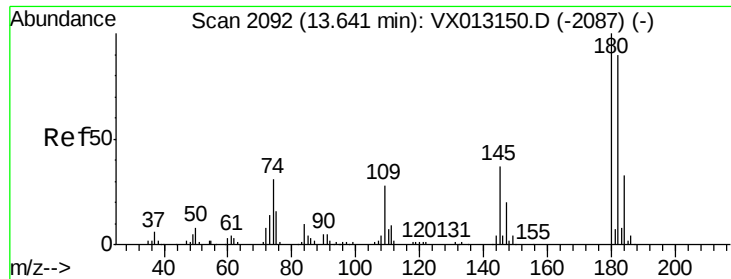
Ion Ratio Lower Upper

75 100

155 85.7 65.4 98.0

157 111.7 84.1 126.1

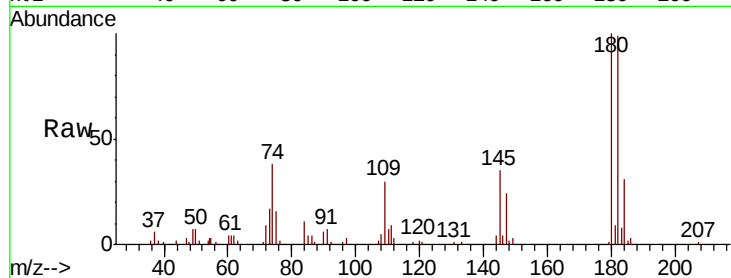




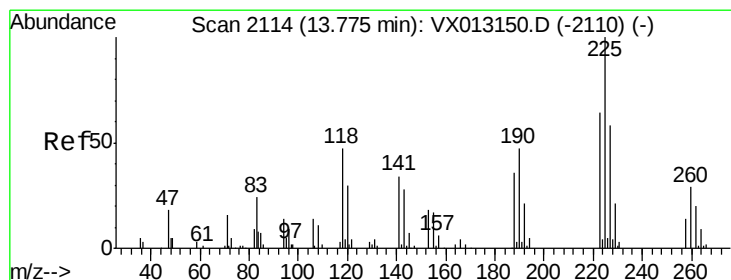
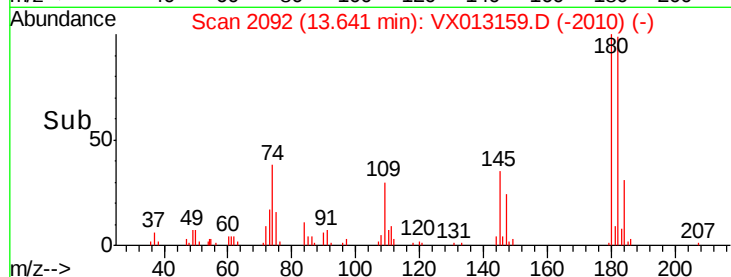
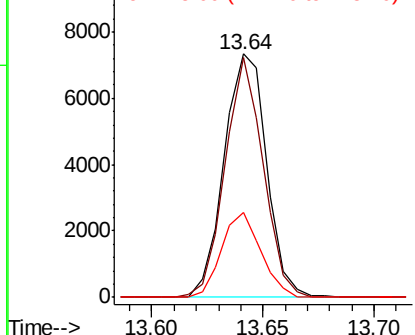
#89
1,2,4-Trichlorobenzene
Concen: 4.410 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:180 Resp: 9742
Ion Ratio Lower Upper
180 100
182 88.0 76.1 114.1
145 31.9 27.4 41.2

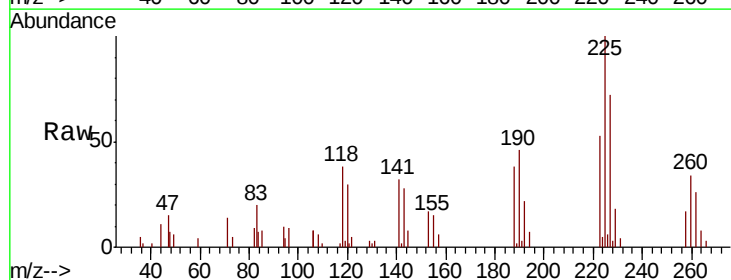


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

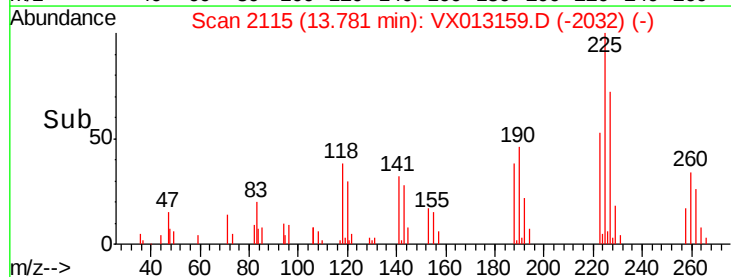
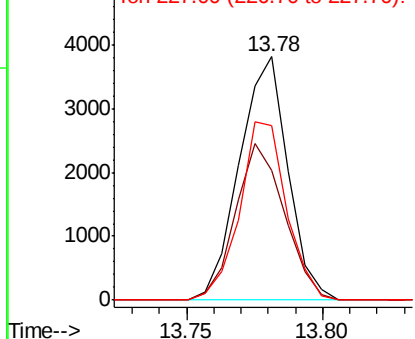


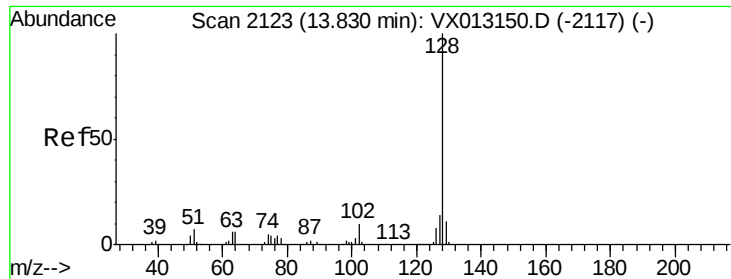
#90
Hexachlorobutadiene
Concen: 4.197 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion:225 Resp: 4708
Ion Ratio Lower Upper
225 100
223 65.3 0.0 131.2
227 71.3 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

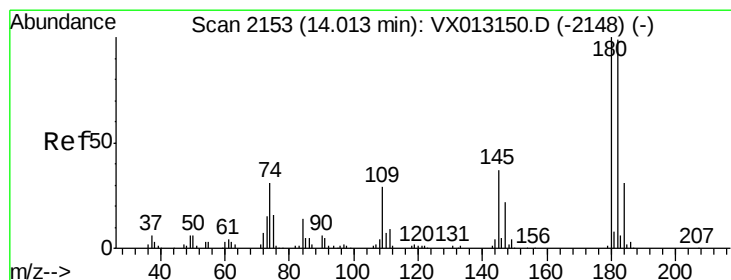
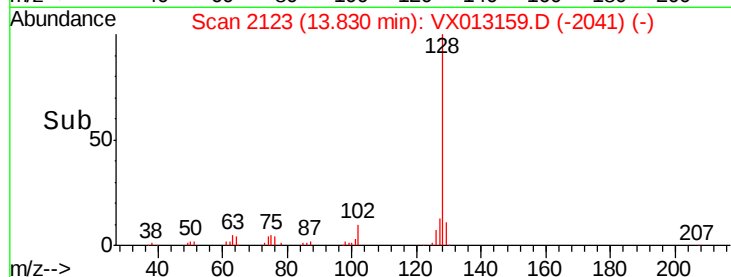
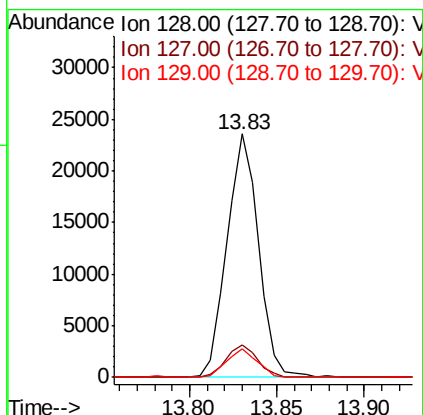
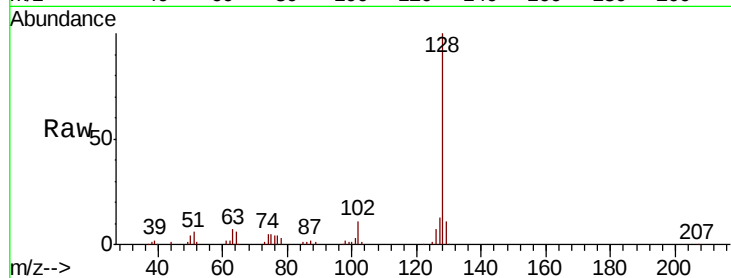




#91
Naphthalene
Concen: 4.119 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:128 Resp: 29597
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.5 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 4.369 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion:180 Resp: 9889
Ion Ratio Lower Upper
180 100
182 95.3 0.0 194.4
145 35.8 0.0 71.2

