

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018941.D
 Acq On : 15 Oct 2020 18:44
 Operator : JC/SP
 Sample : L4214-08 5.0PPB LOO
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Quant Time: Oct 16 01:42:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 15 15:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	47874	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	273634	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	240901	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	96420	31.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.23%
60) 4-Bromofluorobenzene	11.12	95	109751	29.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.53%
63) Toluene-d8	8.70	98	324357	30.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	11291	4.975 ug/l	98
3) Chloromethane	1.32	50	13191	5.138 ug/l	100
4) Vinyl Chloride	1.39	62	16934	5.375 ug/l	98
5) Bromomethane	1.62	94	15845	8.493 ug/l	94
6) Chloroethane	1.71	64	11247	5.176 ug/l	97
7) Trichlorofluoromethane	1.92	101	26362	5.315 ug/l	96
8) Diethyl Ether	2.17	74	10643	5.452 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	14052	5.096 ug/l	99
10) 1,1-Dichloroethene	2.35	96	15075	5.260 ug/l	97
11) Methyl Iodide	2.49	142	12793	3.759 ug/l	99
12) Methyl Acetate	2.75	43	14804	5.267 ug/l	99
13) Acrolein	2.27	56	14758	27.461 ug/l	95
14) Acrylonitrile	3.12	53	34899	26.691 ug/l	98
15) Acetone	2.42	58	10606	24.099 ug/l	93
16) Carbon Disulfide	2.55	76	36860	5.244 ug/l	99
17) Allyl chloride	2.71	41	19667	5.288 ug/l	96
18) Methylene Chloride	2.84	84	16166	5.597 ug/l	95
19) trans-1,2-Dichloroethene	3.14	96	15046	5.213 ug/l	95
20) Diisopropyl ether	3.83	45	36060	5.225 ug/l #	84
21) 1,1-Dichloroethane	3.67	63	24770	5.251 ug/l	97
22) cis-1,2-Dichloroethene	4.56	96	17466	5.344 ug/l	95
23) tert-Butyl Alcohol	3.01	59	21129	29.025 ug/l	100
24) Methyl tert-Butyl Ether	3.17	73	41899	5.294 ug/l	96
25) Chloroform	5.18	83	26770	5.346 ug/l	94
26) Cyclohexane	5.55	56	19411	5.112 ug/l #	97
29) 1,1-Dichloropropene	5.77	75	19882	5.011 ug/l	99
30) 2-Butanone	4.64	43	51742	26.172 ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	24355	5.058 ug/l #	90
33) Carbon Tetrachloride	5.76	117	22285	5.050 ug/l	96
34) Benzene	6.11	78	59783	5.085 ug/l	100
35) Methacrylonitrile	5.00	41	10103	4.938 ug/l	98
36) 1,2-Dichloroethane	6.16	62	19815	5.127 ug/l	100
37) Trichloroethene	7.19	130	16490	4.779 ug/l	93
38) Methylcyclohexane	7.44	83	21812	4.822 ug/l	99
39) 1,2-Dichloropropane	7.49	63	14782	5.140 ug/l	98
40) Dibromomethane	7.64	93	10753	5.091 ug/l	97
41) Bromodichloromethane	7.87	83	21586	5.020 ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	3.79	43	176060	24.863	ug/l	100
43) Ethyl Acetate	4.79	43	18978	4.638	ug/l	98
44) Isopropyl Acetate	6.42	43	33788	5.142	ug/l #	100
45) 1,4-Dioxane	7.72	88	7058	100.651	ug/l	96
46) Methyl methacrylate	7.75	41	15588	5.103	ug/l	100
47) n-amyl Acetate	10.88	43	27405	4.993	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	24557	5.002	ug/l	94
49) cis-1,3-Dichloropropene	8.41	75	26172	5.013	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	15506	5.116	ug/l	96
51) Ethyl methacrylate	9.16	69	23983	5.027	ug/l	96
52) 1,3-Dichloropropane	9.35	76	25794	5.157	ug/l	97
53) Dibromochloromethane	9.57	129	17767	4.928	ug/l	100
54) 1,2-Dibromoethane	9.65	107	17318	5.198	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	63488	25.228	ug/l	98
56) Bromoform	10.84	173	13171	4.732	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	100837	26.231	ug/l	99
59) 2-Hexanone	9.47	43	76573	26.015	ug/l	100
61) Tetrachloroethene	9.32	164	14269	4.817	ug/l	92
62) Toluene	8.76	91	66245	5.132	ug/l	100
64) Chlorobenzene	10.12	112	41908	5.104	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	16228	5.092	ug/l	97
66) Ethyl Benzene	10.24	91	72298	5.054	ug/l	98
67) m/p-Xylenes	10.34	106	55592	9.919	ug/l	98
68) o-Xylene	10.68	106	26661	5.030	ug/l	99
69) Styrene	10.69	104	43583	4.783	ug/l	98
70) Isopropylbenzene	11.00	105	71022	5.043	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	21542	4.911	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	27070	6.605	ug/l	91
73) Bromobenzene	11.24	156	17366	4.789	ug/l	95
74) n-propylbenzene	11.34	91	77637	4.840	ug/l	99
75) 2-Chlorotoluene	11.40	91	45249	4.880	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	57139	4.845	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	8492	4.786	ug/l	93
78) 4-Chlorotoluene	11.49	91	51493	4.716	ug/l	100
79) tert-butylbenzene	11.76	119	58291	4.880	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	56548	4.812	ug/l	100
81) sec-Butylbenzene	11.93	105	65950	4.815	ug/l	98
82) p-Isopropyltoluene	12.05	119	60262	4.719	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	30597	4.743	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	30355	4.668	ug/l	99
85) n-Butylbenzene	12.37	91	50417	4.412	ug/l	99
86) Hexachloroethane	12.58	117	10704	4.941	ug/l	94
87) 1,2-Dichlorobenzene	12.37	146	29341	4.698	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	5397	5.082	ug/l	92
89) 1,2,4-Trichlorobenzene	13.63	180	18940	4.153	ug/l	99
90) Hexachlorobutadiene	13.77	225	8124	4.265	ug/l	98
91) Naphthalene	13.82	128	66933	4.501	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	19191	4.316	ug/l	99

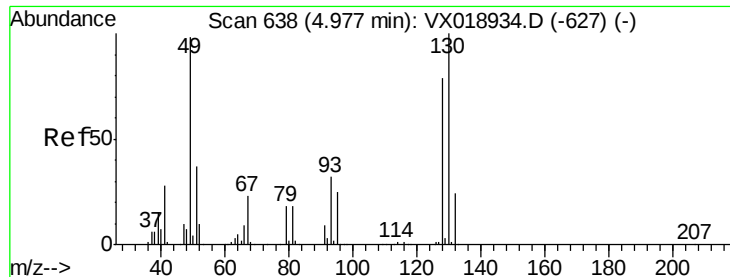
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

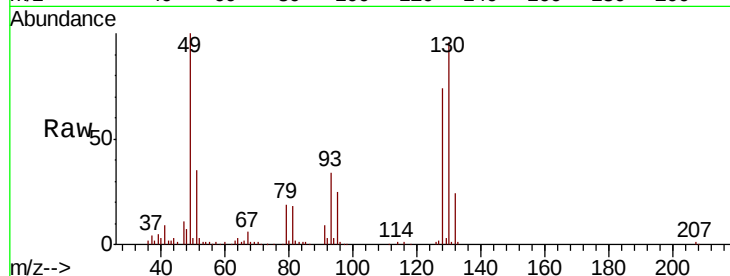
Tot Ion:128 Resp: 47874

Ion Ratio Lower Upper

128 100

49 136.0 0.0 330.5

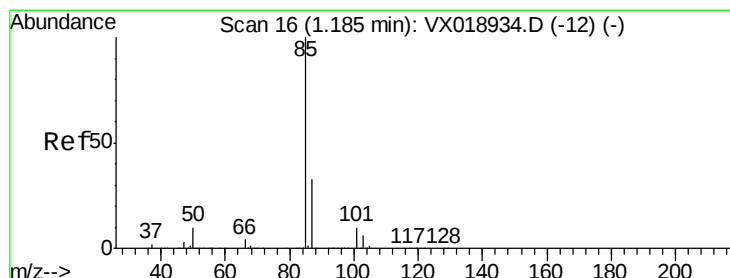
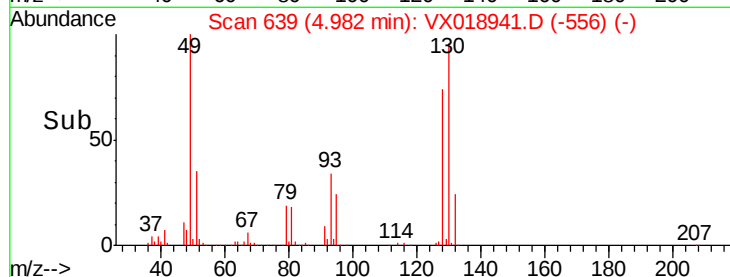
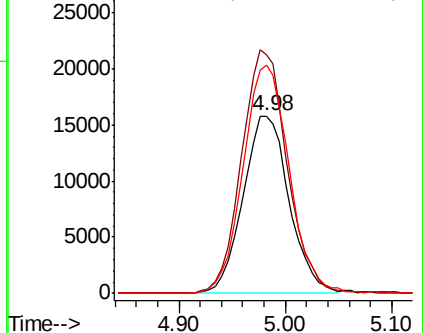
130 128.7 0.0 323.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.975 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018941.D

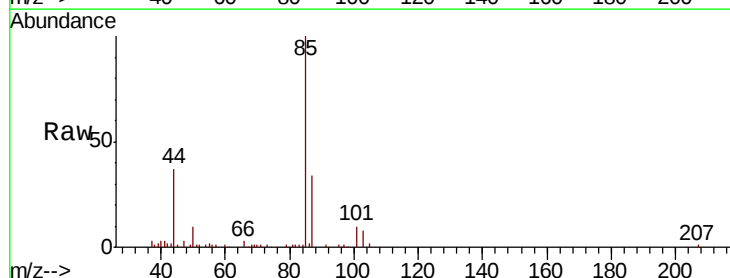
Acq: 15 Oct 2020 18:44

Tgt Ion: 85 Resp: 11291

Ion Ratio Lower Upper

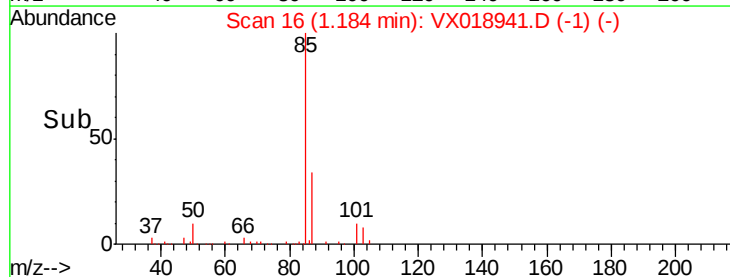
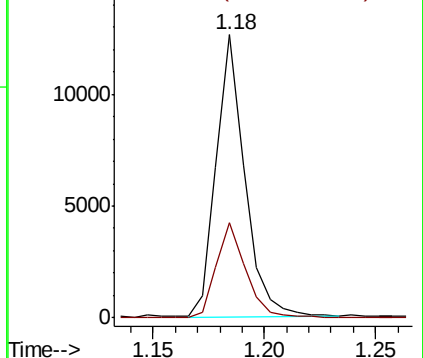
85 100

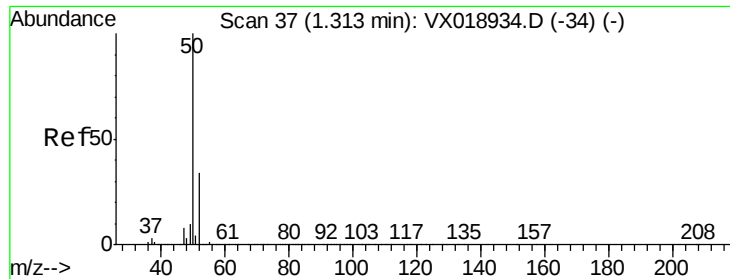
87 33.9 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 5.138 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

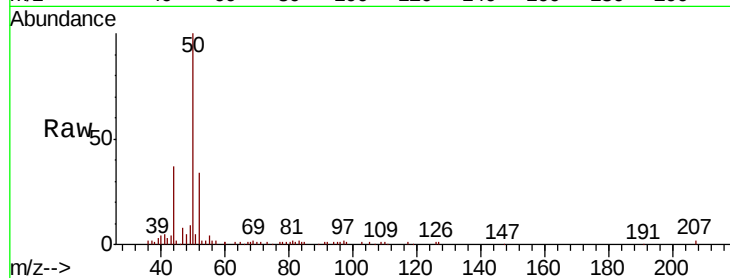
LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 13191

Ion Ratio Lower Upper

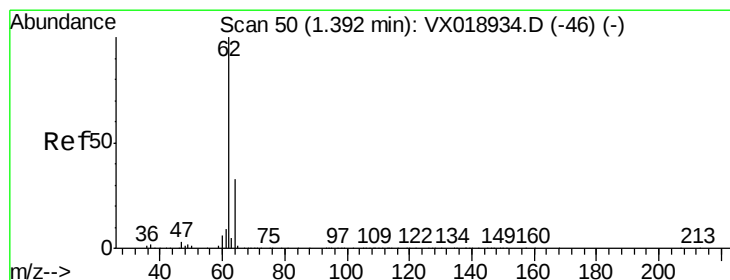
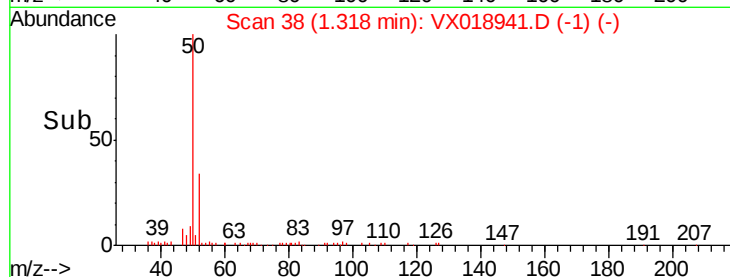
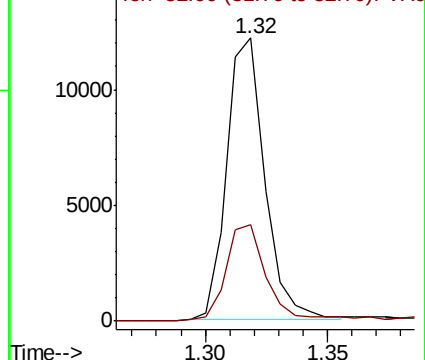
50 100

52 33.6 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 5.375 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018941.D

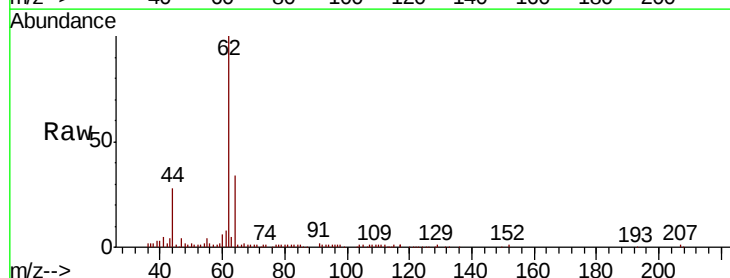
Acq: 15 Oct 2020 18:44

Tgt Ion: 62 Resp: 16934

Ion Ratio Lower Upper

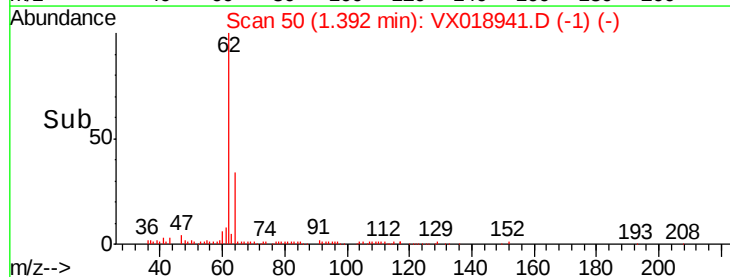
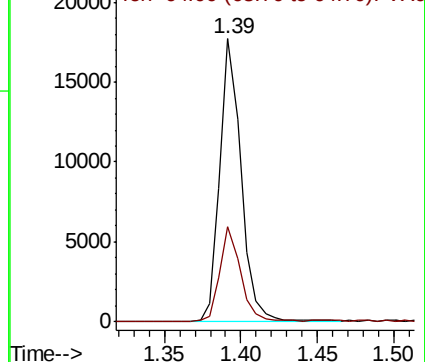
62 100

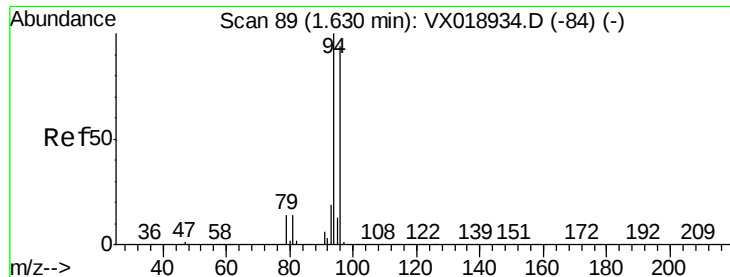
64 33.5 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 8.493 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

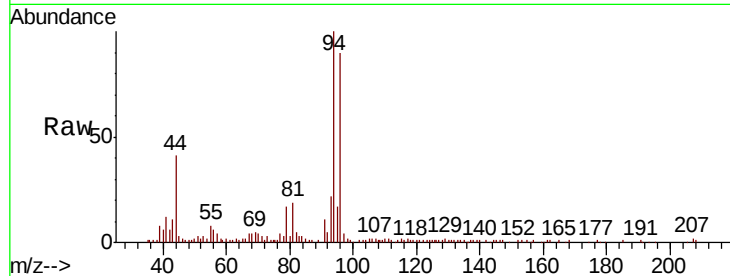
LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 15845

Ion Ratio Lower Upper

94 100

96 89.2 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

15000

10000

5000

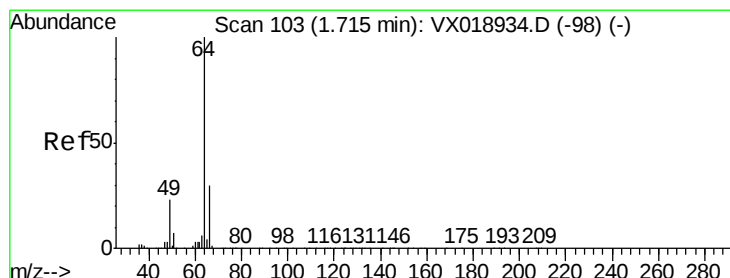
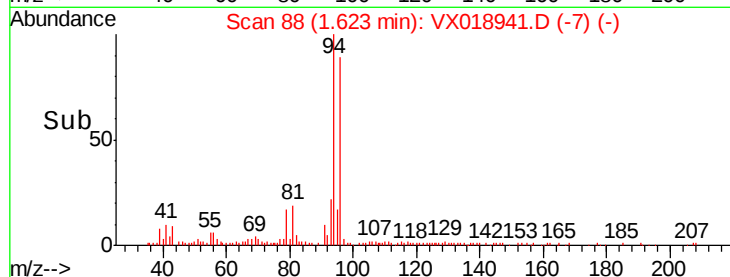
0

1.62

1.65

1.70

Time-->



#6

Chloroethane

Concen: 5.176 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.01 min

Lab File: VX018941.D

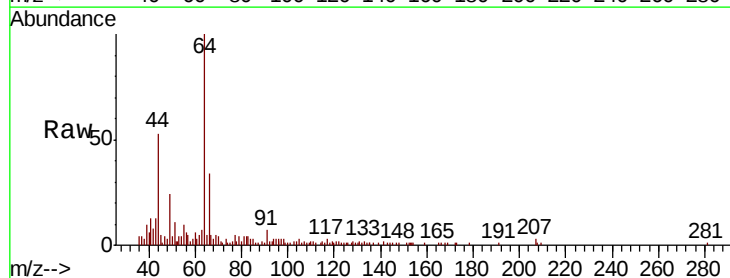
Acq: 15 Oct 2020 18:44

Tgt Ion: 64 Resp: 11247

Ion Ratio Lower Upper

64 100

66 32.4 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

10000

8000

6000

4000

2000

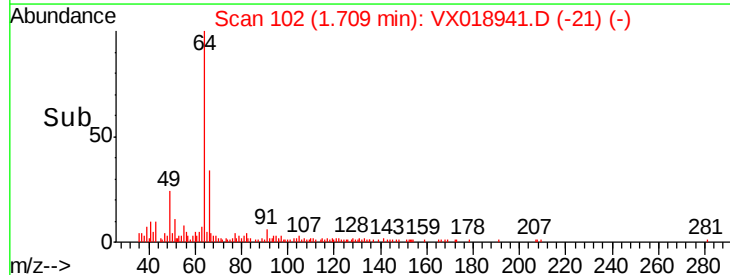
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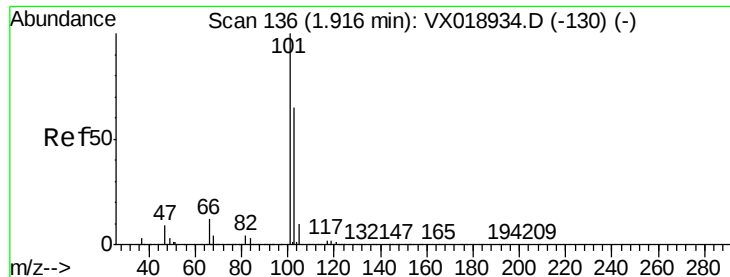
1.71

1.75

1.80

Time-->



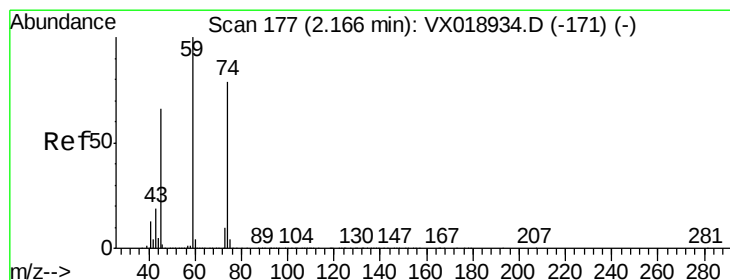
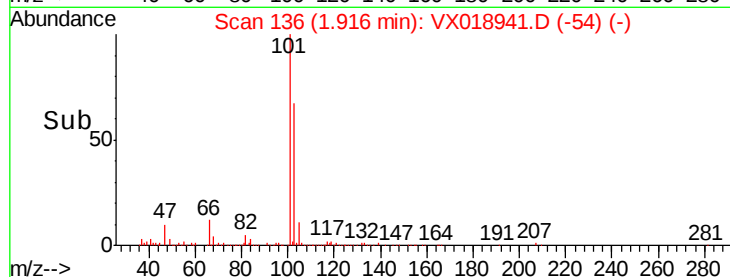
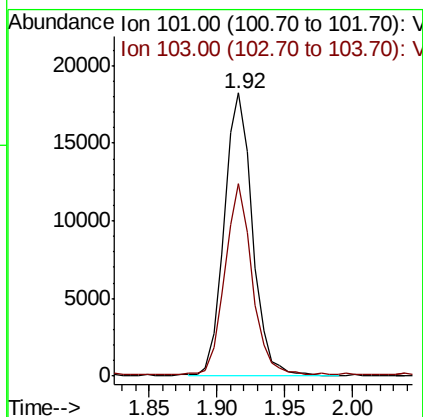
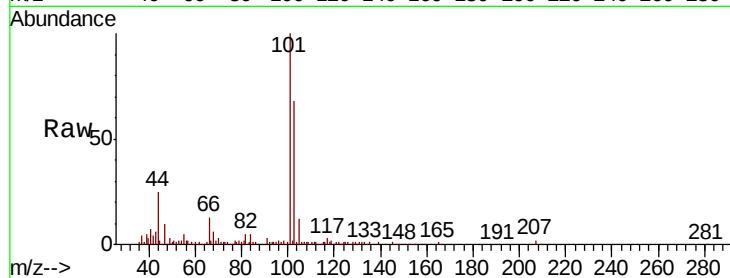


#7

Trichlorofluoromethane
Concen: 5.315 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

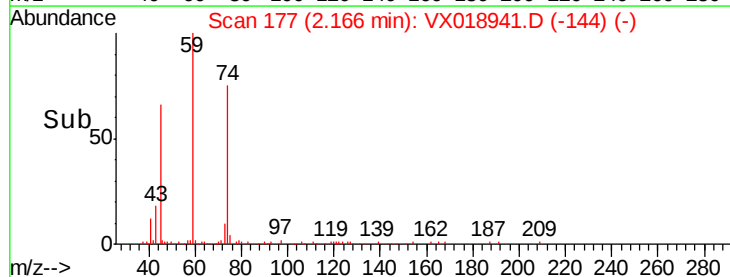
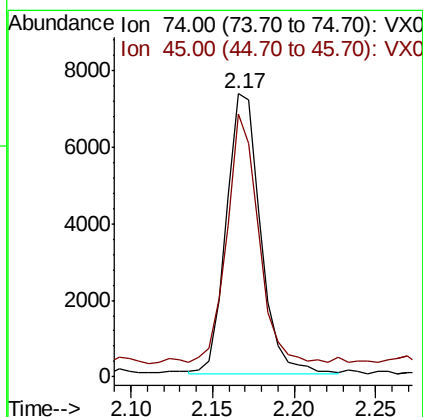
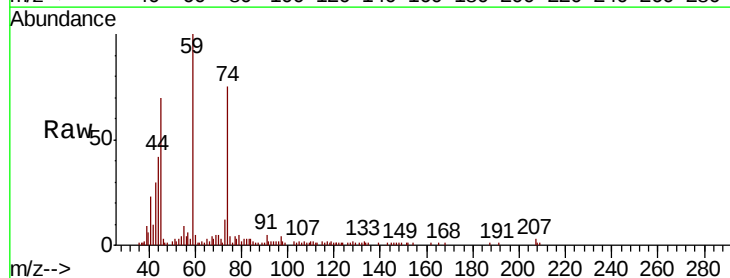
Tot Ion:101 Resp: 26362
Ion Ratio Lower Upper
101 100
103 67.5 51.8 77.6

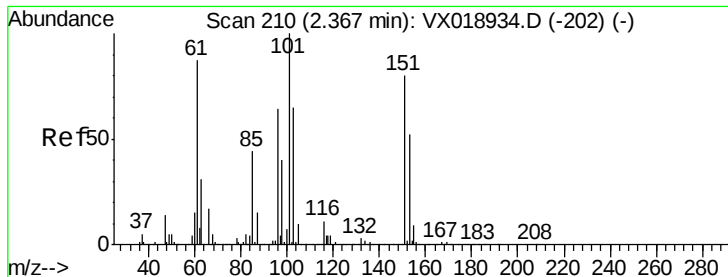


#8

Diethyl Ether
Concen: 5.452 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion: 74 Resp: 10643
Ion Ratio Lower Upper
74 100
45 81.3 16.6 149.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.096 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

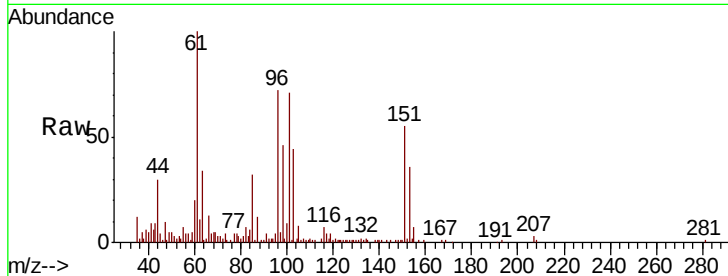
Tot Ion:101 Resp: 14052

Ion Ratio Lower Upper

101 100

85 42.7 0.0 85.4

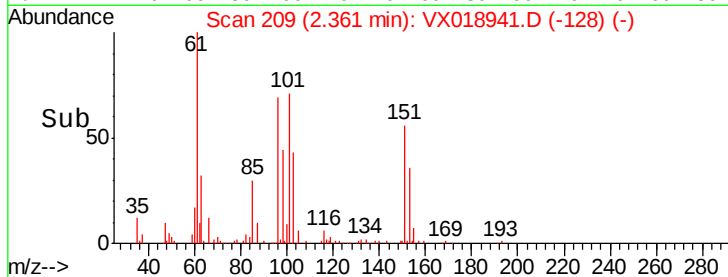
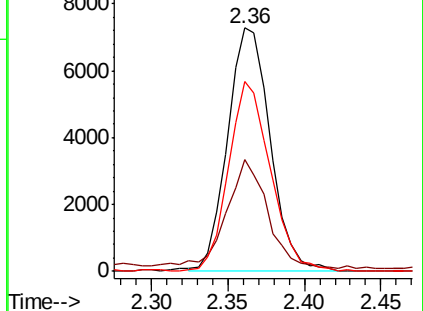
151 76.8 0.0 157.6



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: 5.260 ug/l

RT: 2.35 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

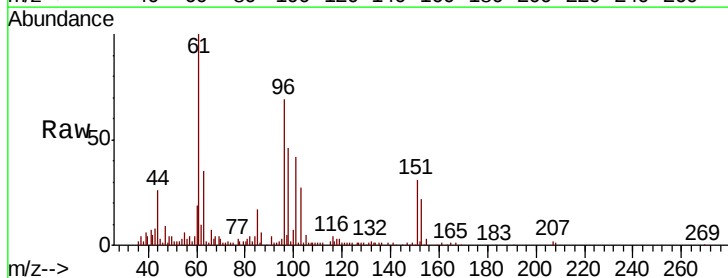
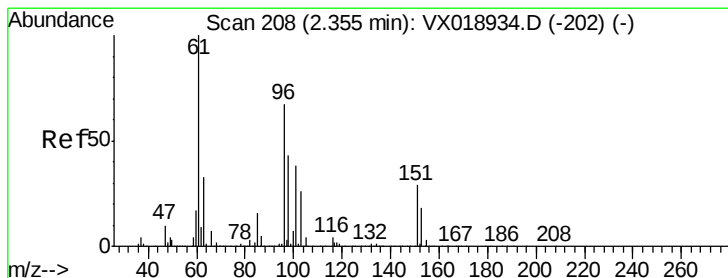
Tgt Ion: 96 Resp: 15075

Ion Ratio Lower Upper

96 100

61 146.5 120.2 180.4

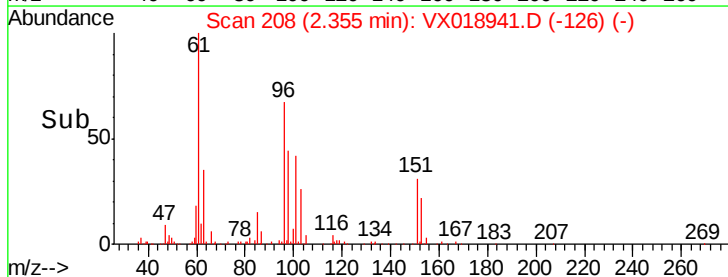
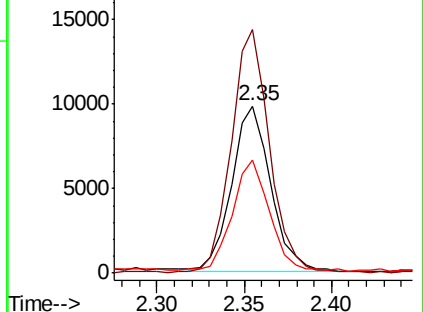
98 65.8 51.4 77.0

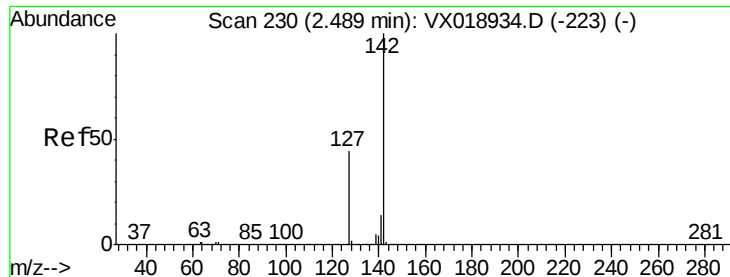


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

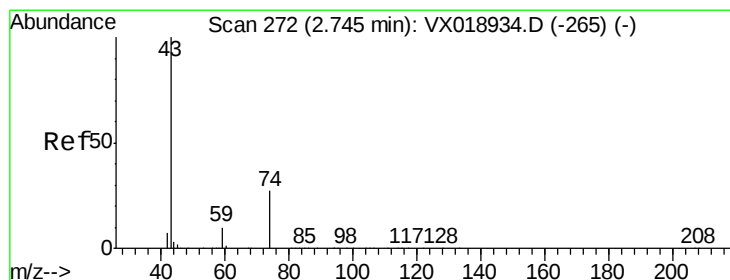
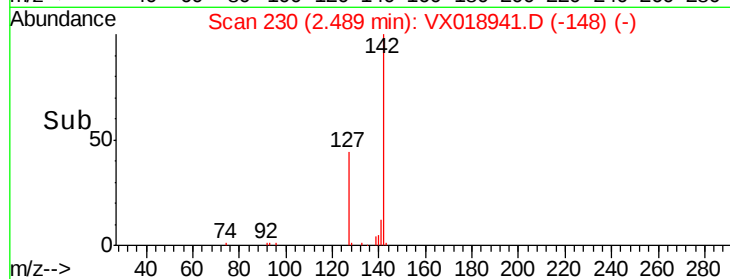
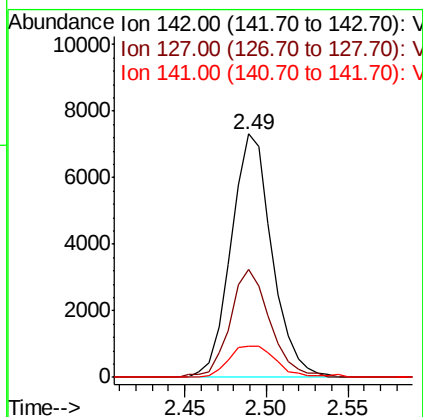
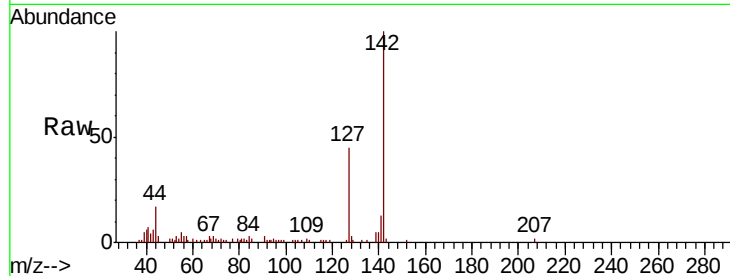




#11
Methvl Iodide
Concen: 3.759 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

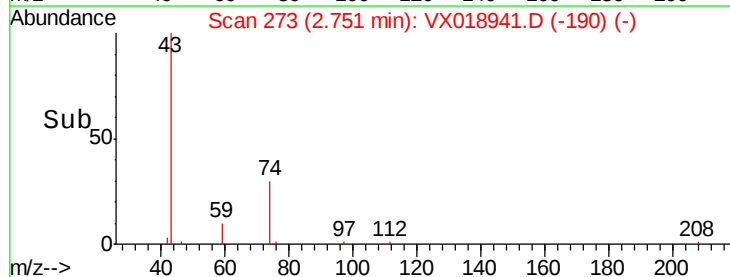
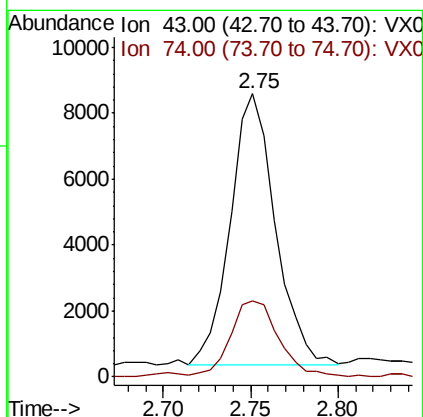
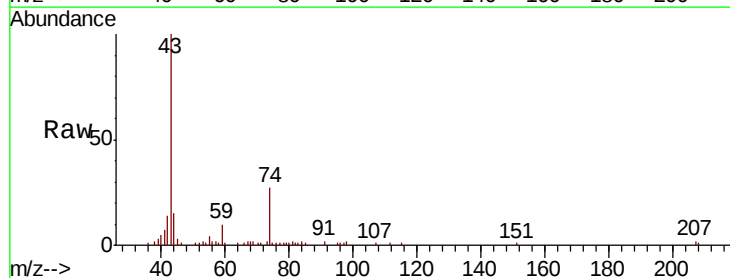
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

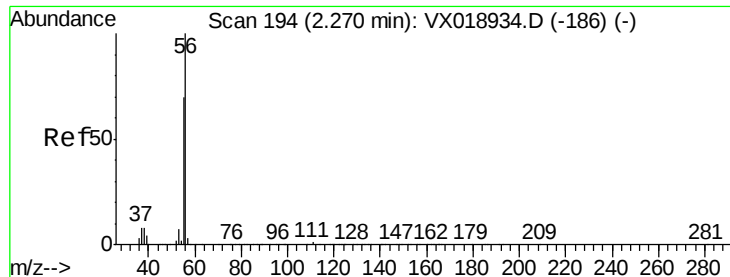
Tot Ion:142 Resp: 12793
Ion Ratio Lower Upper
142 100
127 44.0 22.1 66.1
141 12.3 7.0 21.1



#12
Methyl Acetate
Concen: 5.267 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion: 43 Resp: 14804
Ion Ratio Lower Upper
43 100
74 27.4 21.6 32.4





#13

Acrolein

Concen: 27.461 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

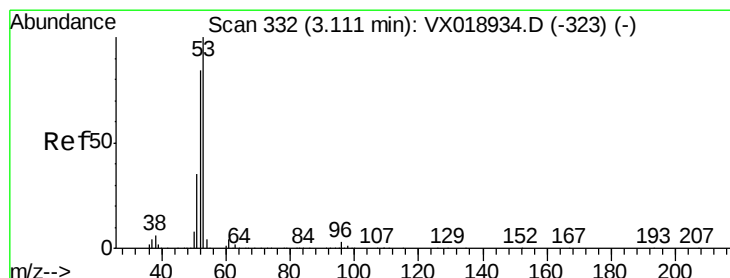
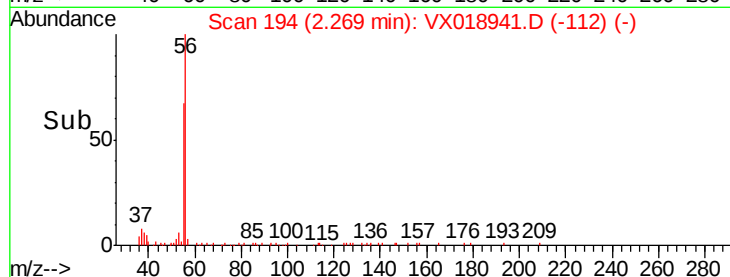
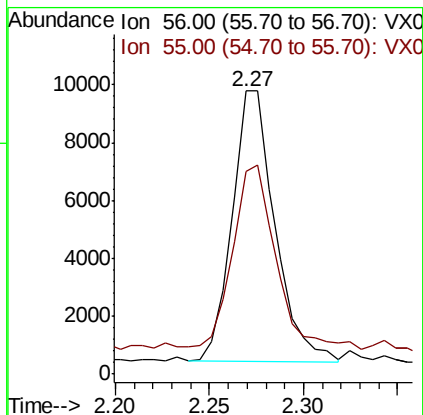
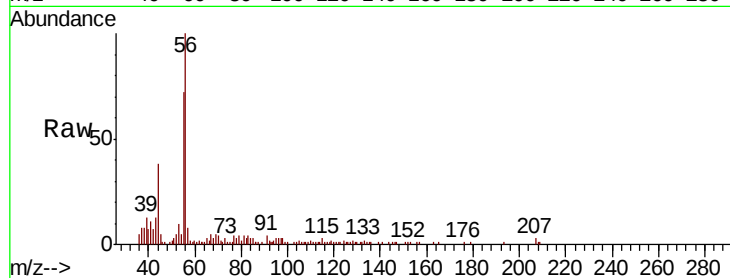
LOQ-WATER-02-QT4-2020

Tot Ion: 56 Resp: 14758

Ion Ratio Lower Upper

56 100

55 75.4 57.1 85.7



#14

Acrylonitrile

Concen: 26.691 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

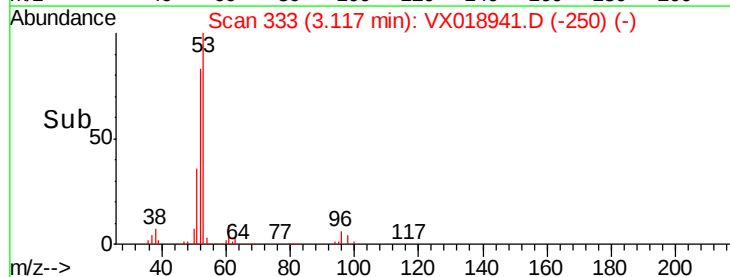
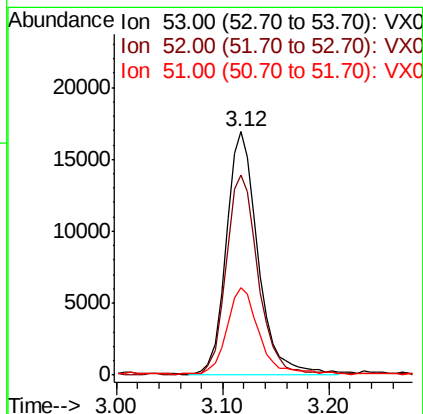
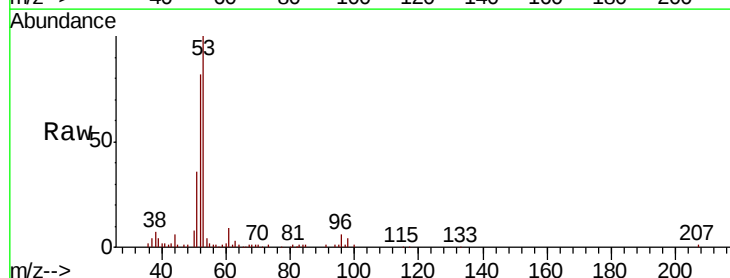
Tgt Ion: 53 Resp: 34899

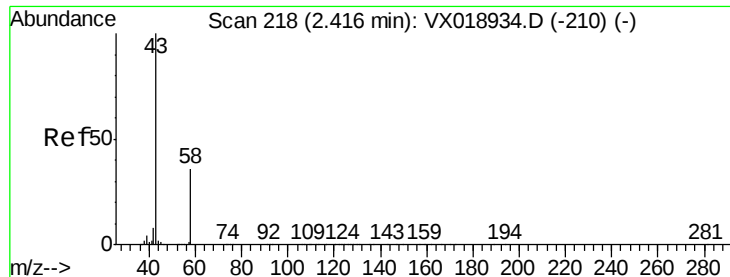
Ion Ratio Lower Upper

53 100

52 82.2 40.3 120.8

51 36.1 17.6 52.8





#15

Acetone

Concen: 24.099 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

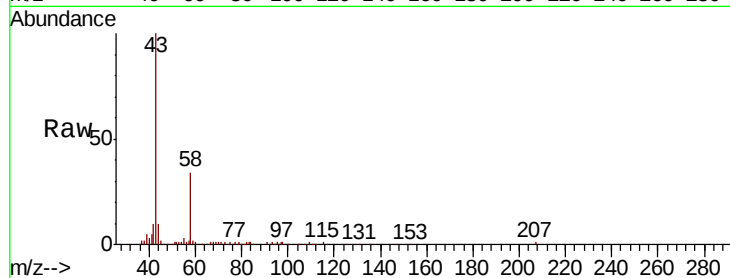
LOQ-WATER-02-QT4-2020

Tot Ion: 58 Resp: 10606

Ion Ratio Lower Upper

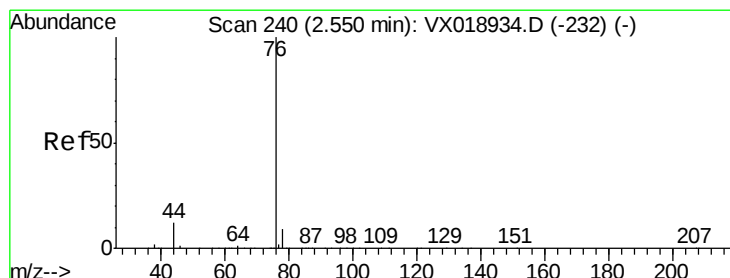
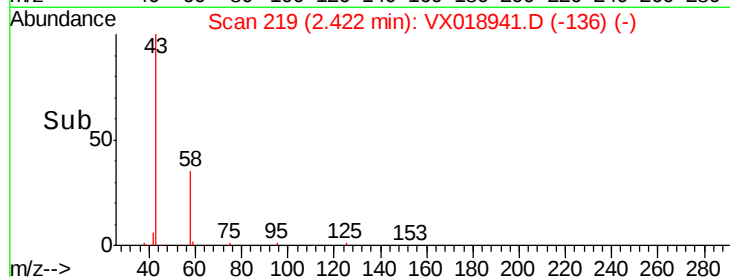
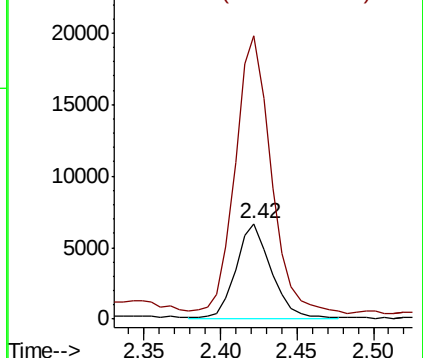
58 100

43 292.7 223.8 335.8



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 5.244 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018941.D

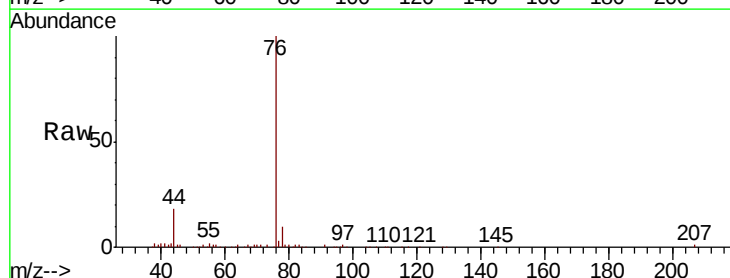
Acq: 15 Oct 2020 18:44

Tgt Ion: 76 Resp: 36860

Ion Ratio Lower Upper

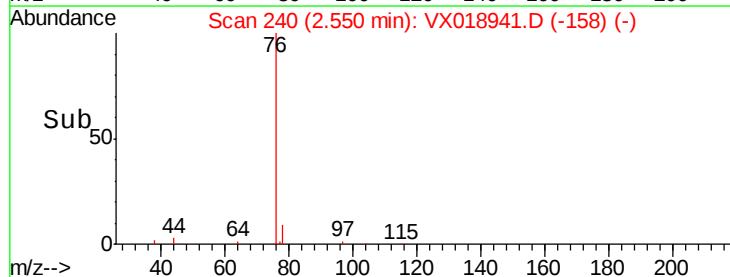
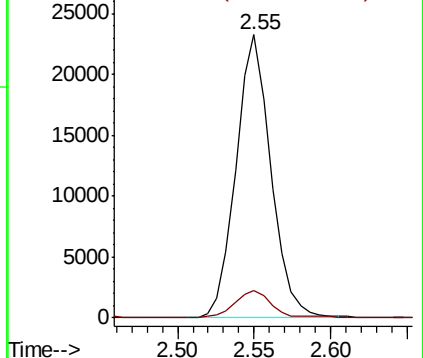
76 100

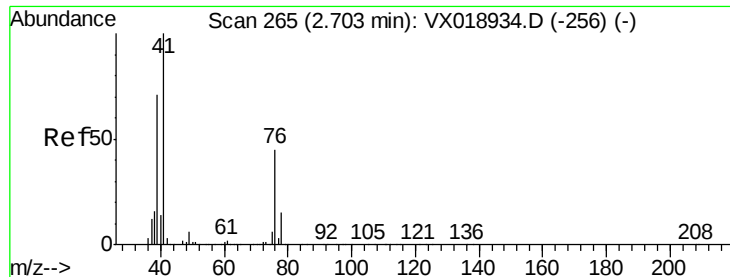
78 9.7 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

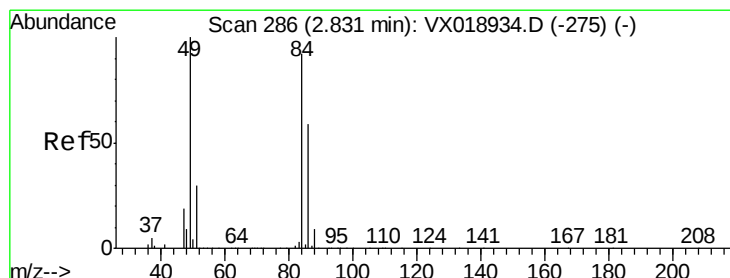
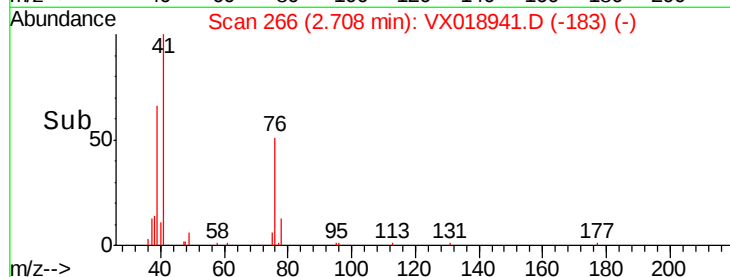
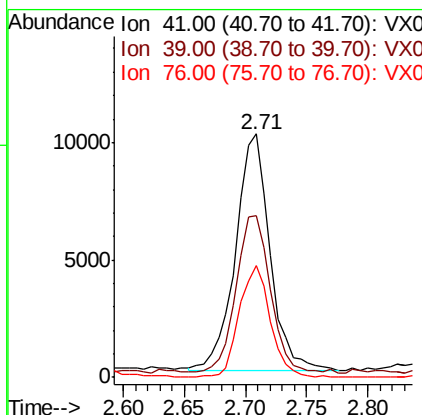
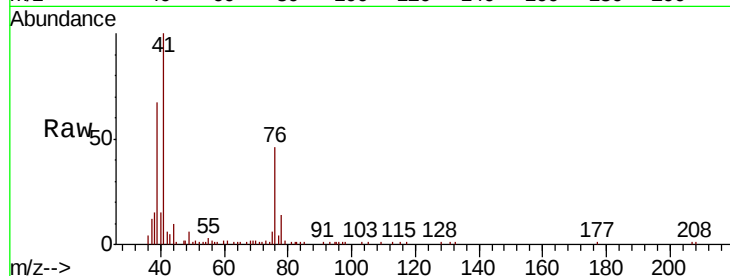




#17
Allvl chloride
Concen: 5.288 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

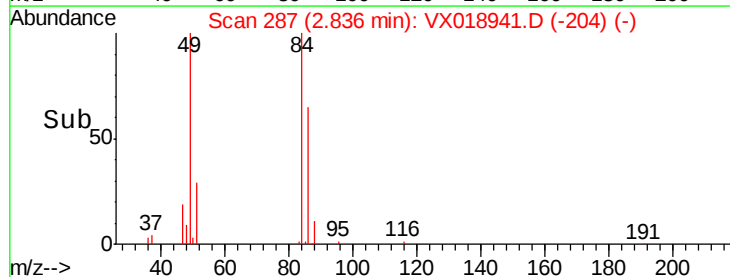
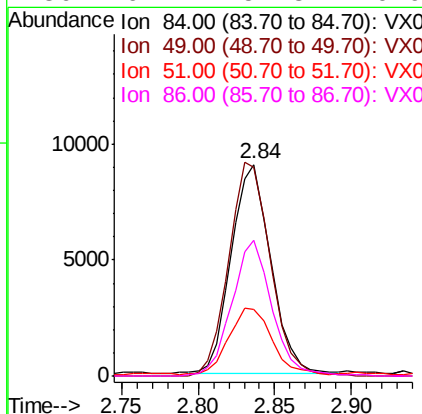
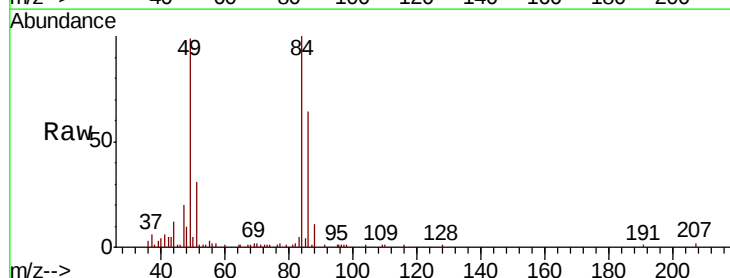
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

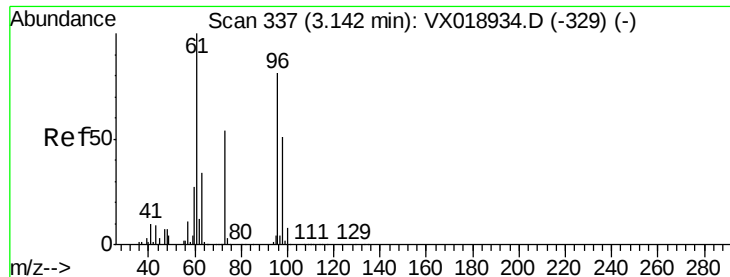
Tot Ion: 41 Resp: 19667
Ion Ratio Lower Upper
41 100
39 66.8 35.4 106.3
76 47.0 22.4 67.2



#18
Methylene Chloride
Concen: 5.597 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion: 84 Resp: 16166
Ion Ratio Lower Upper
84 100
49 100.6 87.2 130.8
51 30.8 25.9 38.9
86 64.7 51.3 76.9





#19

trans-1,2-Dichloroethene

Concen: 5.213 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

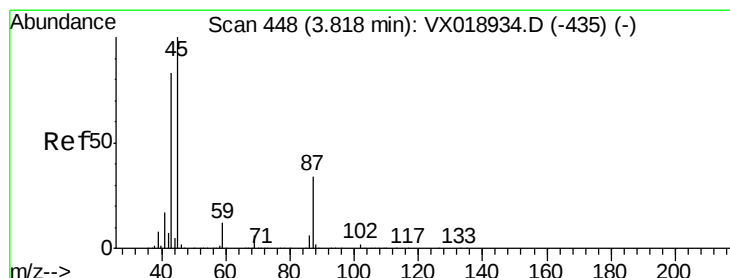
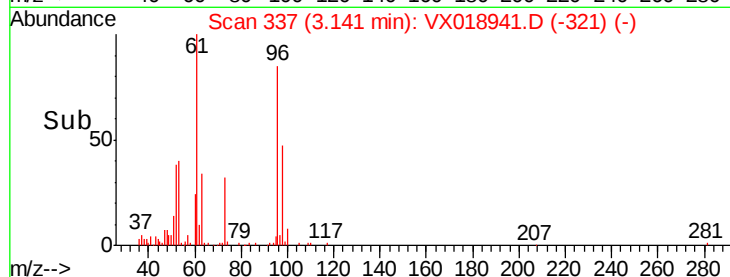
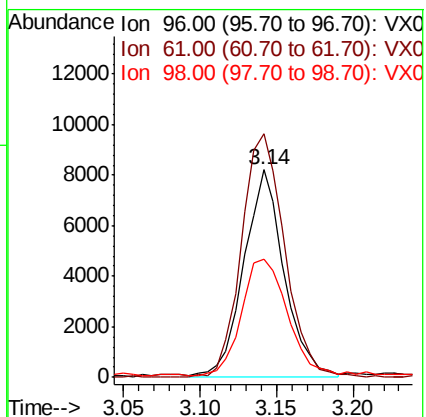
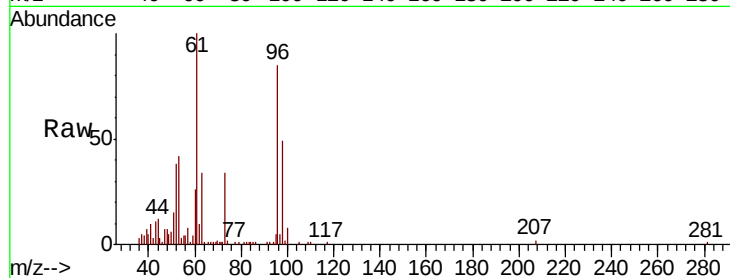
Tot Ion: 96 Resp: 15046

Ion Ratio Lower Upper

96 100

61 118.5 98.6 147.8

98 56.8 50.3 75.5



#20

Diisopropyl ether

Concen: 5.225 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Tgt Ion: 45 Resp: 36060

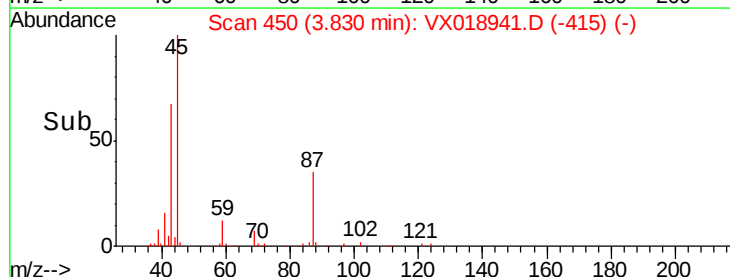
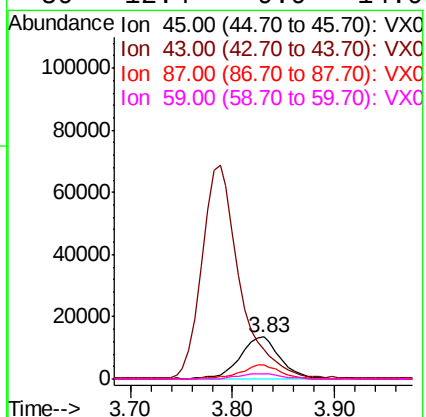
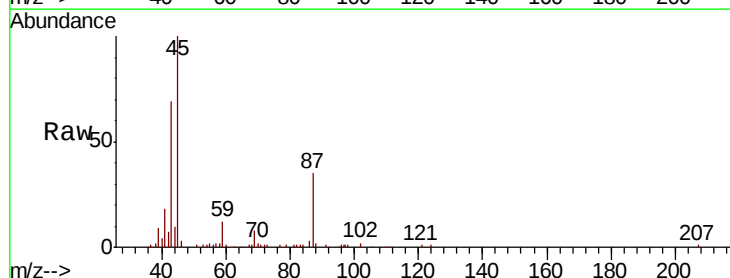
Ion Ratio Lower Upper

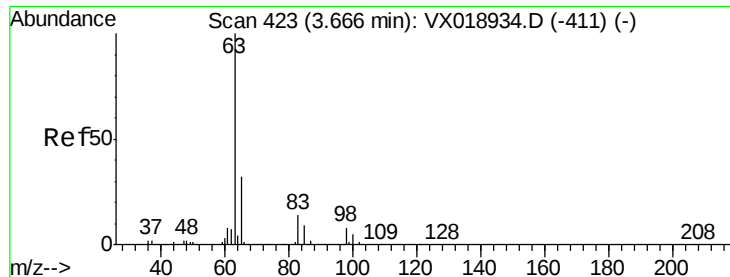
45 100

43 65.6 69.7 104.5#

87 35.3 26.9 40.3

59 12.4 9.9 14.9





#21

1,1-Dichloroethane

Concen: 5.251 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

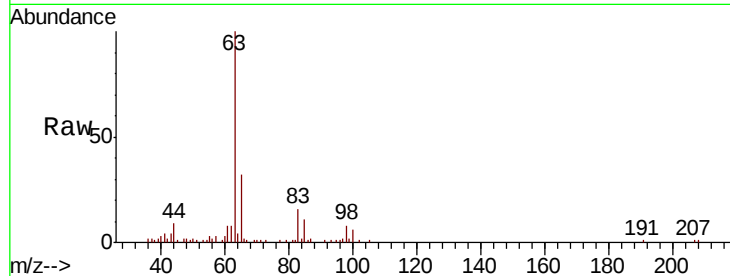
Tot Ion: 63 Resp: 24770

Ion Ratio Lower Upper

63 100

98 6.5 4.0 11.9

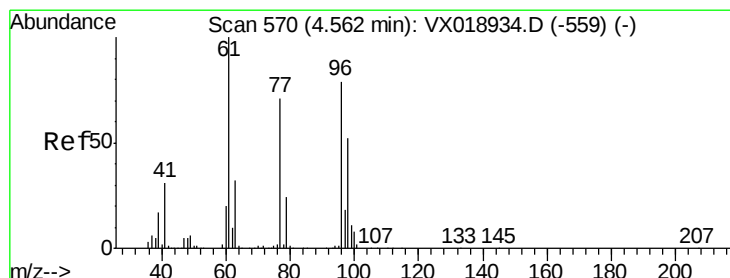
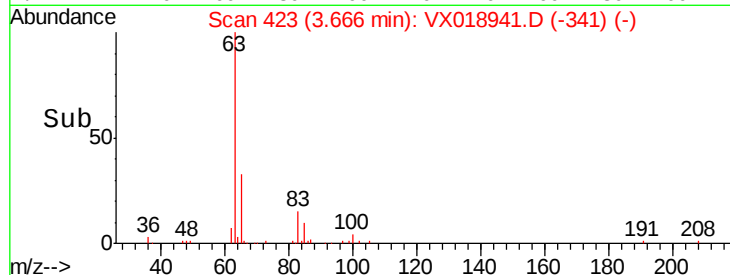
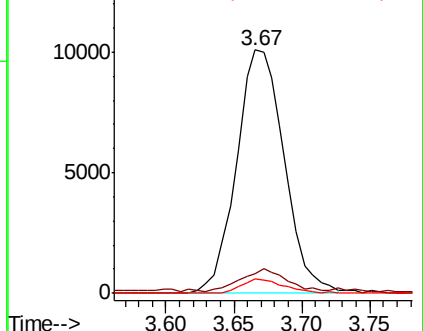
100 5.9 2.5 7.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 5.344 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

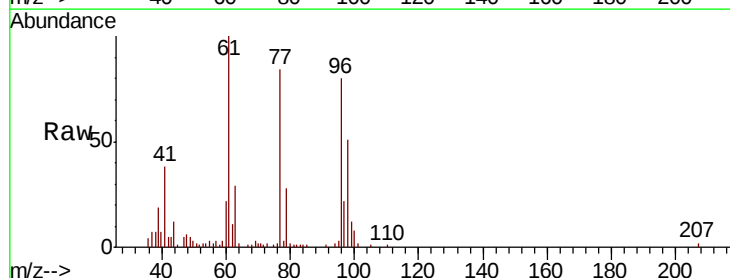
Tgt Ion: 96 Resp: 17466

Ion Ratio Lower Upper

96 100

61 129.1 107.7 161.5

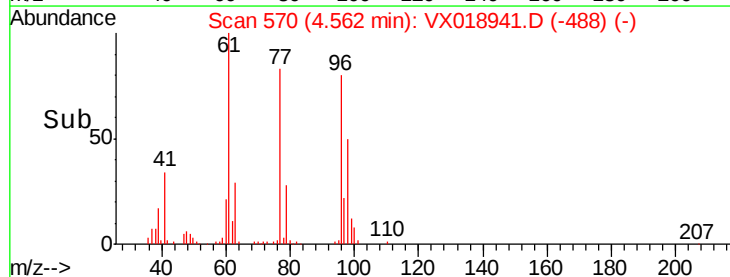
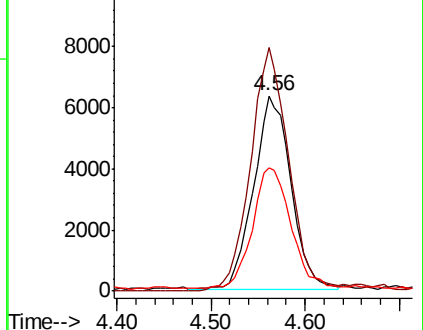
98 61.4 51.9 77.9

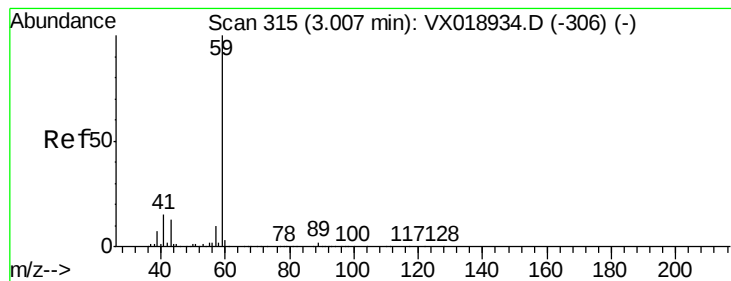


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



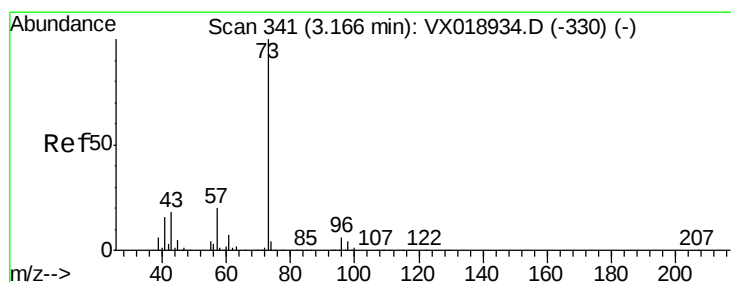
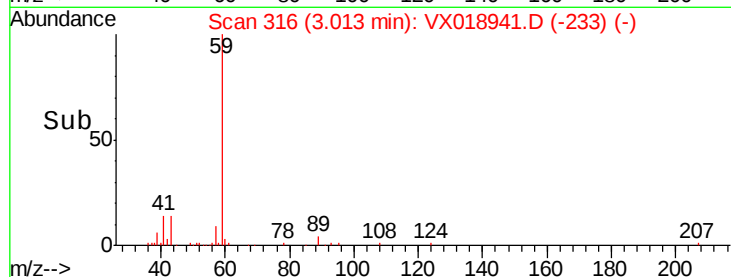
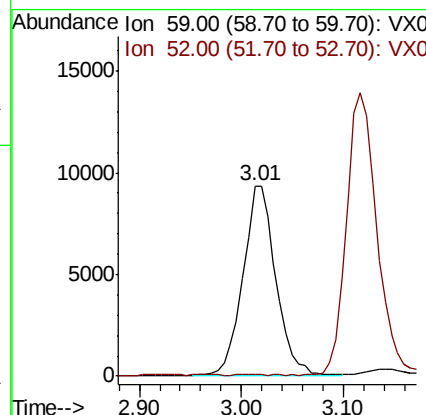
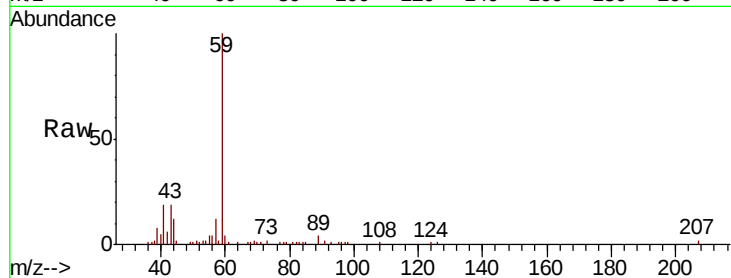


#23

tert-Butyl Alcohol
 Concen: 29.025 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

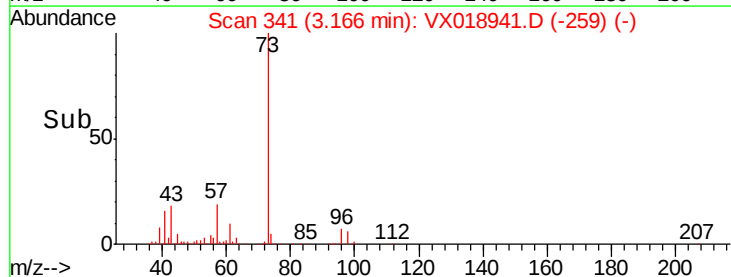
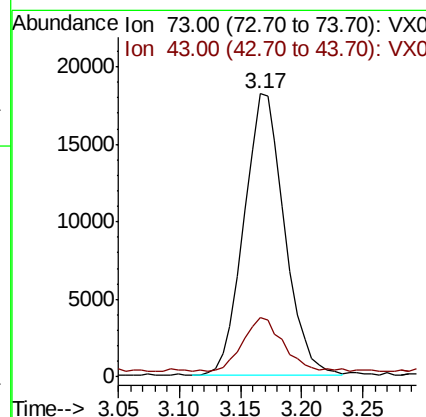
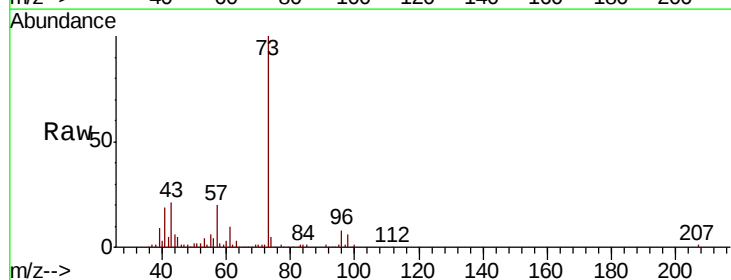
Tot Ion: 59 Resp: 21129
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2

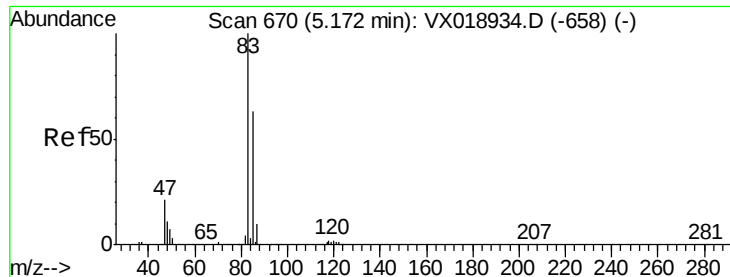


#24

Methyl tert-Butyl Ether
 Concen: 5.294 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Tgt Ion: 73 Resp: 41899
 Ion Ratio Lower Upper
 73 100
 43 19.0 13.8 20.8





#25

Chloroform

Concen: 5.346 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

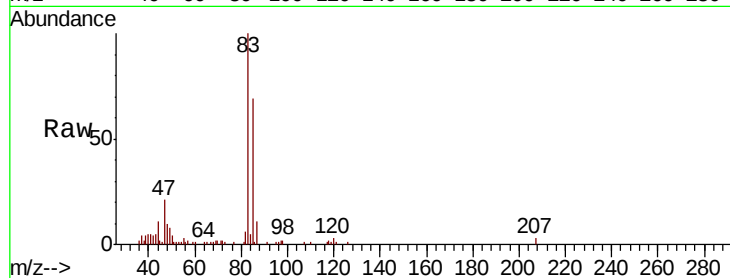
LOQ-WATER-02-QT4-2020

Tot Ion: 83 Resp: 26770

Ion Ratio Lower Upper

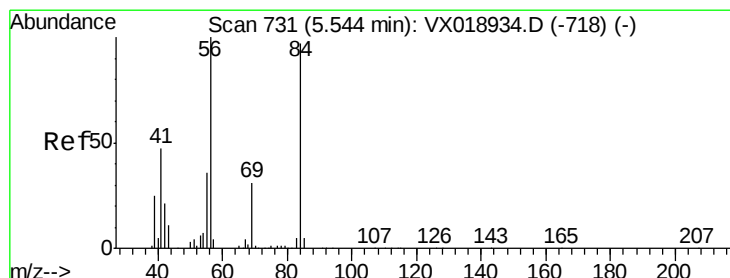
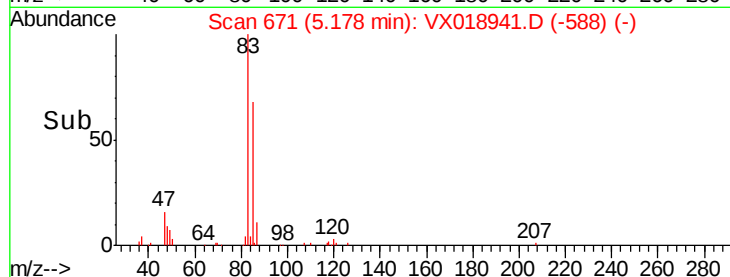
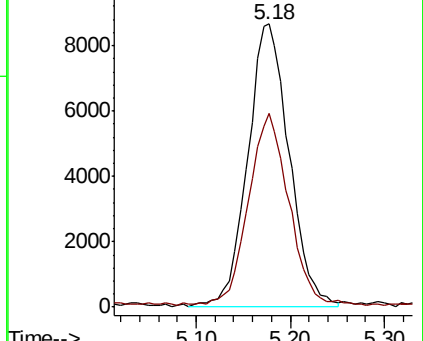
83 100

85 67.3 50.3 75.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 5.112 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

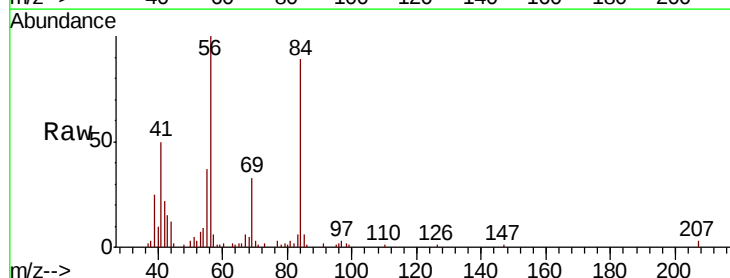
Tgt Ion: 56 Resp: 19411

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

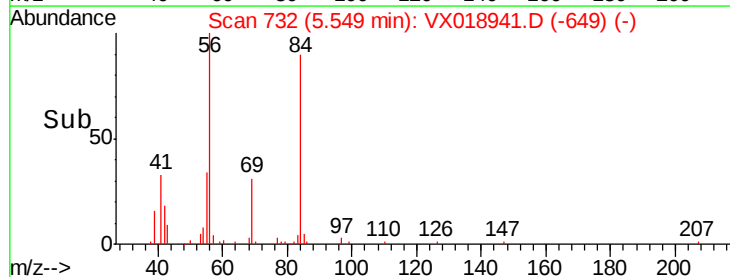
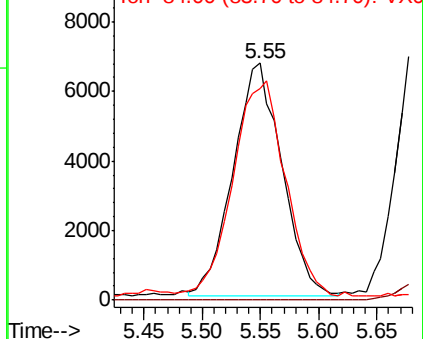
84 100.9 78.0 117.0

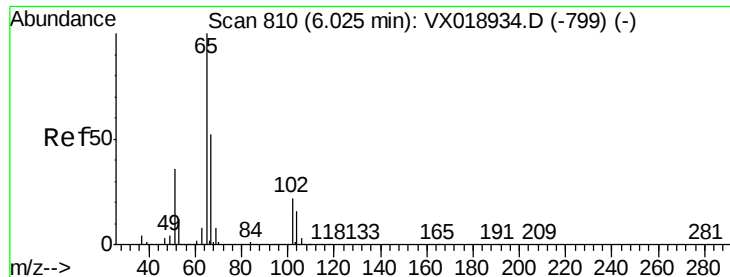


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 31.573 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

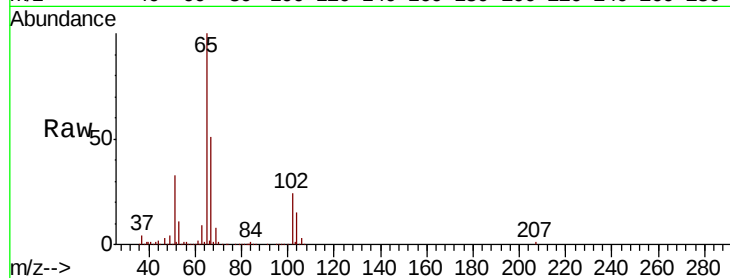
LOQ-WATER-02-QT4-2020

Tot Ion: 65 Resp: 96420

Ion Ratio Lower Upper

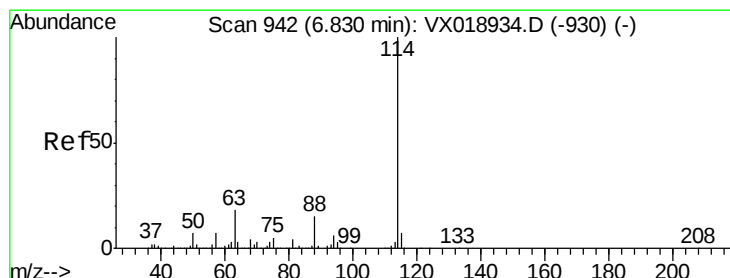
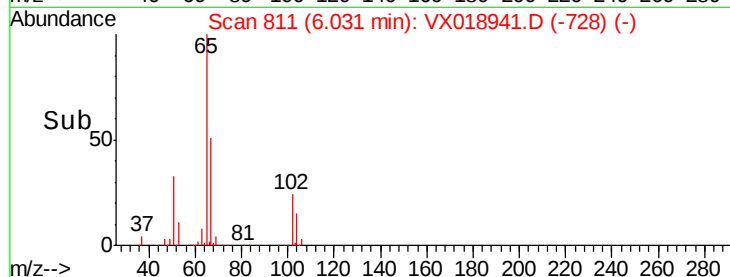
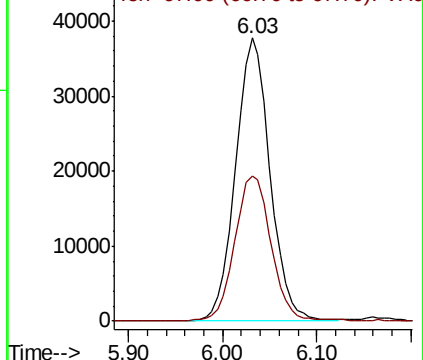
65 100

67 53.8 42.1 63.1



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

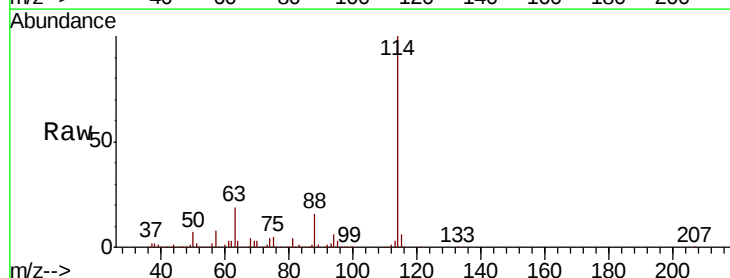
Tgt Ion: 114 Resp: 273634

Ion Ratio Lower Upper

114 100

63 18.4 14.6 21.8

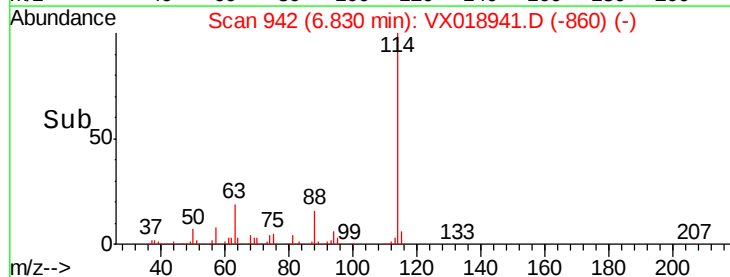
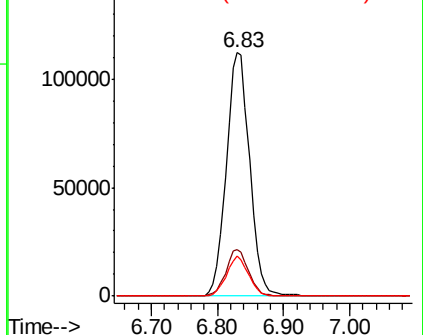
88 15.4 12.3 18.5

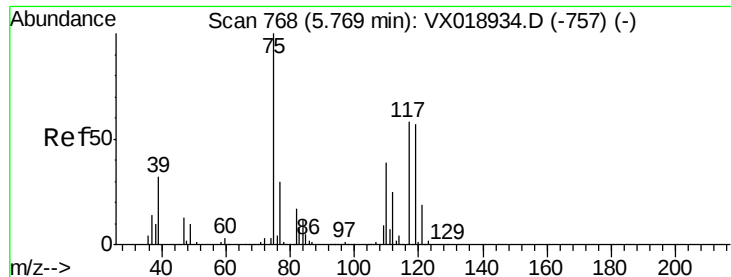


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

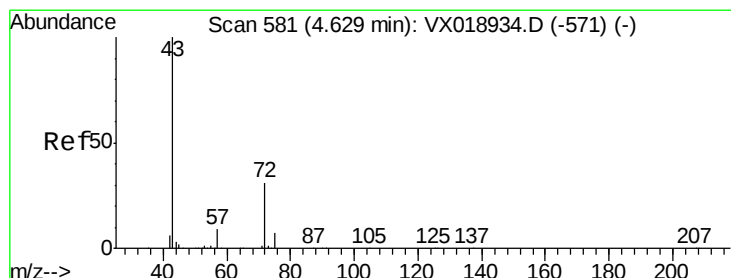
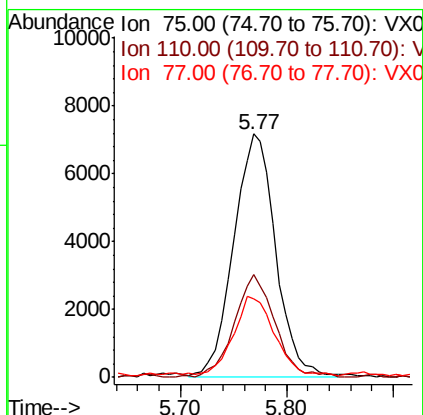
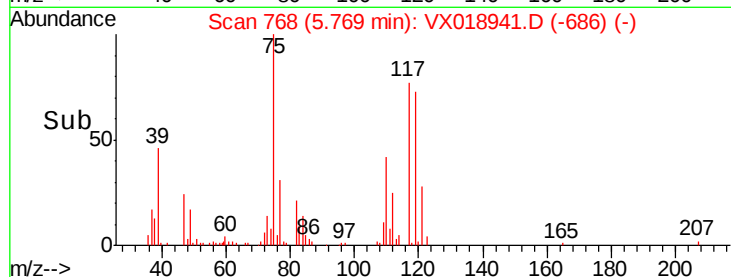
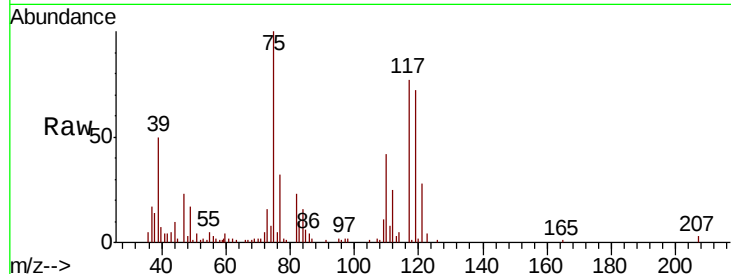




#29
 1,1-Dichloropropene
 Concen: 5.011 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

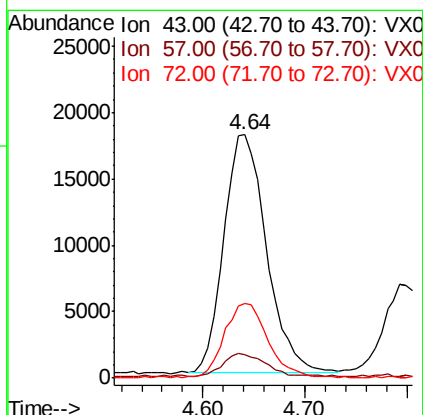
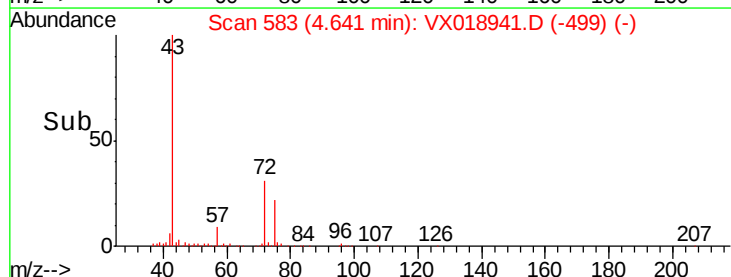
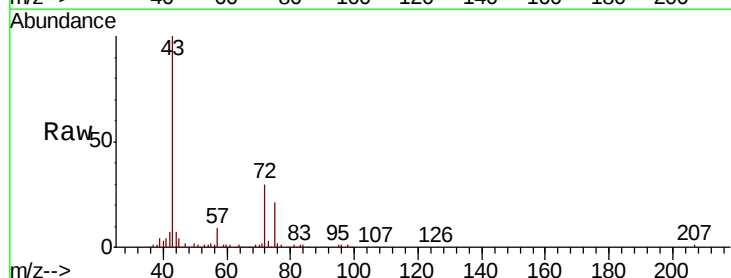
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

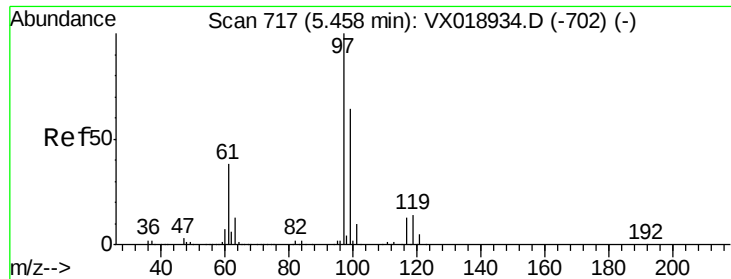
Tot Ion	Ratio	Lower	Upper
75	100		
110	40.1	0.0	79.2
77	30.8	0.0	62.6



#30
 2-Butanone
 Concen: 26.172 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.3	7.0	10.6
72	32.3	25.6	38.4





#32

1,1,1-Trichloroethane

Concen: 5.058 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

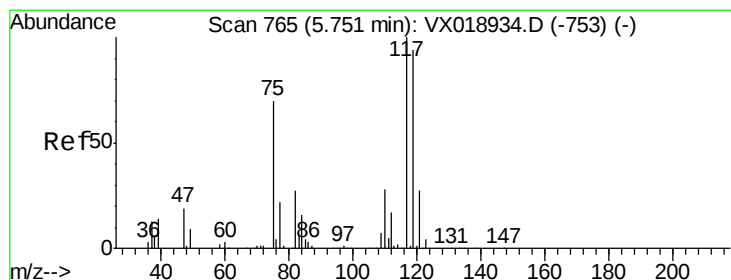
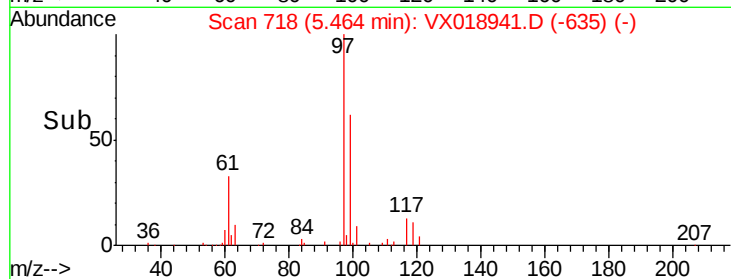
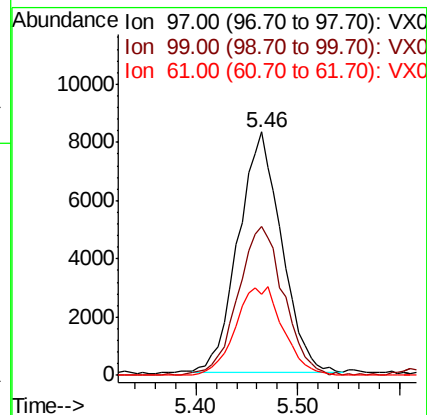
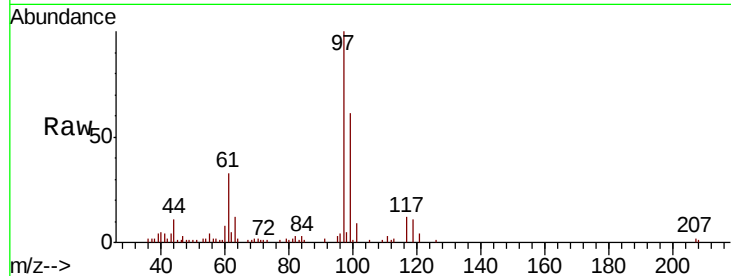
Tot Ion: 97 Resp: 24355

Ion Ratio Lower Upper

97 100

99 65.3 52.6 78.8

61 23.4 31.5 47.3#



#33

Carbon Tetrachloride

Concen: 5.050 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

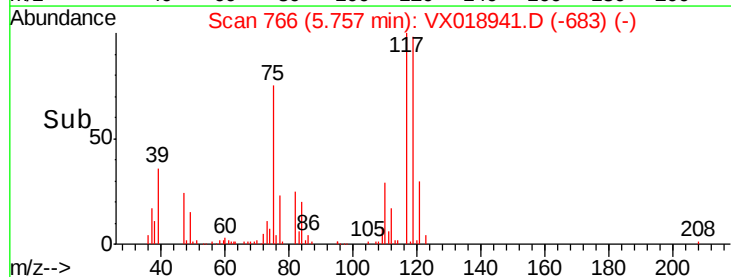
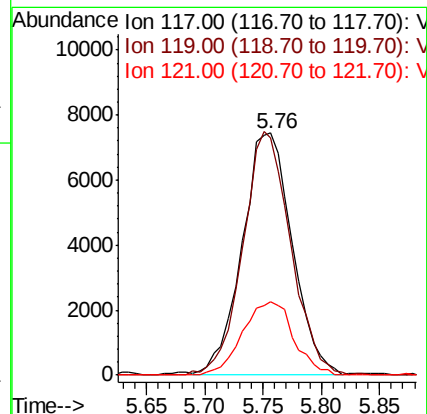
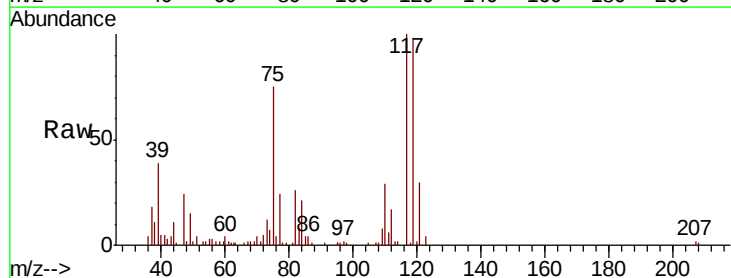
Tgt Ion: 117 Resp: 22285

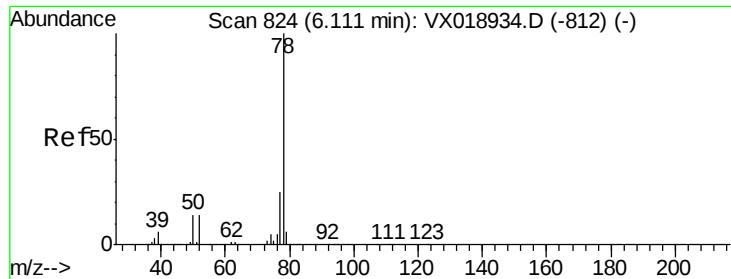
Ion Ratio Lower Upper

117 100

119 96.7 75.0 112.4

121 30.1 21.8 32.8





#34

Benzene

Concen: 5.085 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

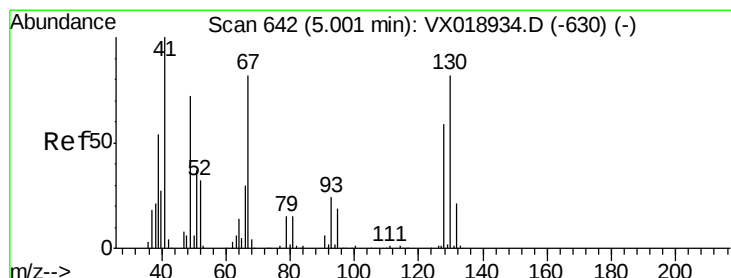
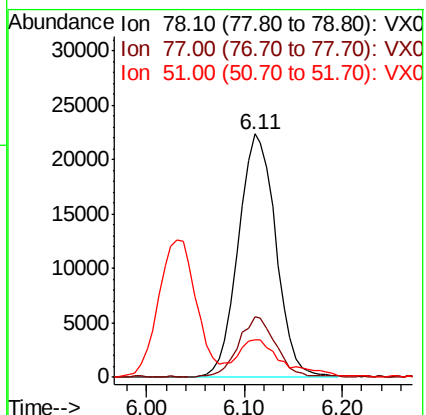
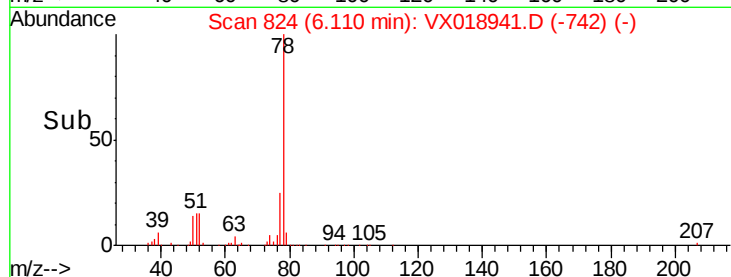
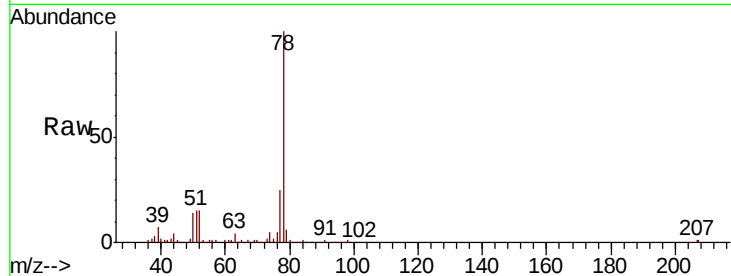
Tot Ion: 78 Resp: 59783

Ion Ratio Lower Upper

78 100

77 24.6 19.7 29.5

51 14.8 12.0 18.0



#35

Methacrylonitrile

Concen: 4.938 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Tgt Ion: 41 Resp: 10103

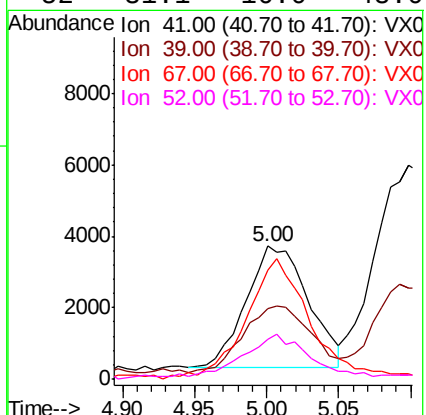
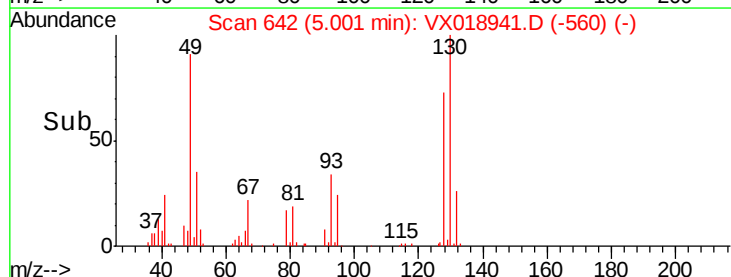
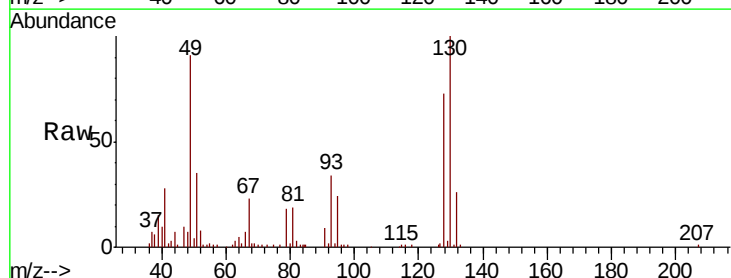
Ion Ratio Lower Upper

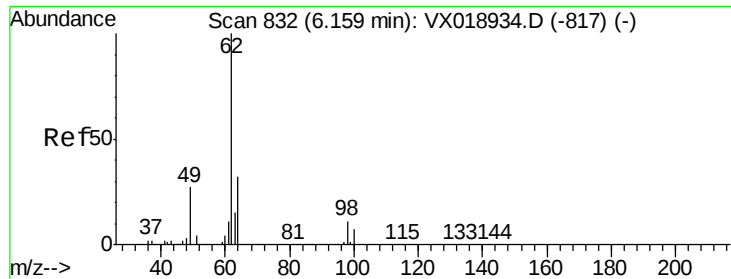
41 100

39 53.3 27.0 81.0

67 84.9 41.1 123.3

52 31.1 16.0 48.0





#36

1,2-Dichloroethane

Concen: 5.127 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

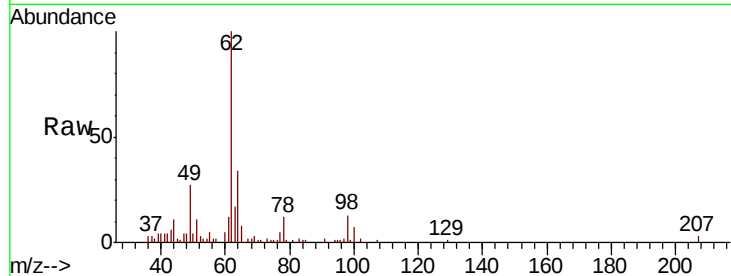
LOQ-WATER-02-QT4-2020

Tot Ion: 62 Resp: 19815

Ion Ratio Lower Upper

62 100

98 10.9 8.9 13.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

6.16

8000

6000

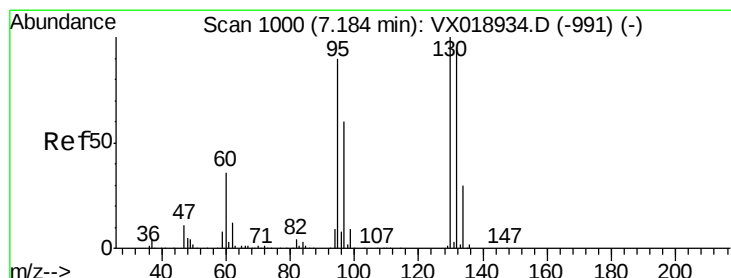
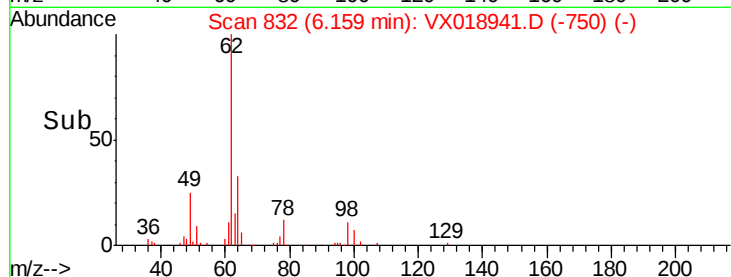
4000

2000

0

6.05 6.10 6.15 6.20 6.25

Time-->



#37

Trichloroethene

Concen: 4.779 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX018941.D

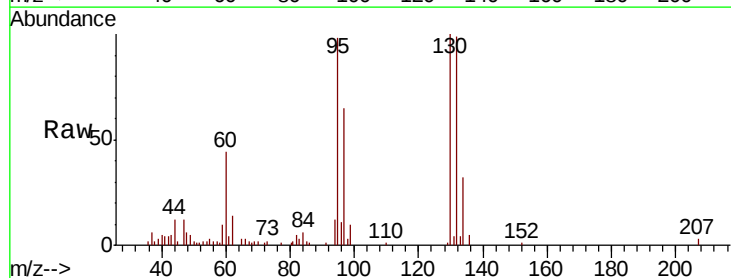
Acq: 15 Oct 2020 18:44

Tgt Ion:130 Resp: 16490

Ion Ratio Lower Upper

130 100

95 96.2 71.8 107.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

8000

6000

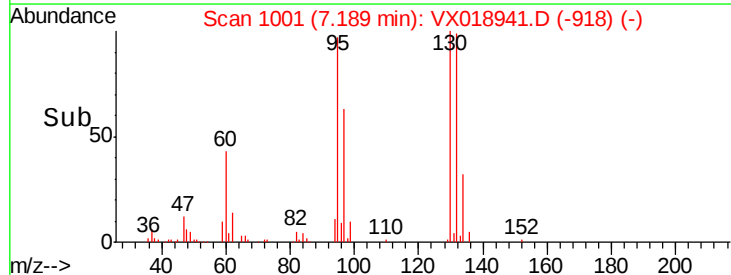
4000

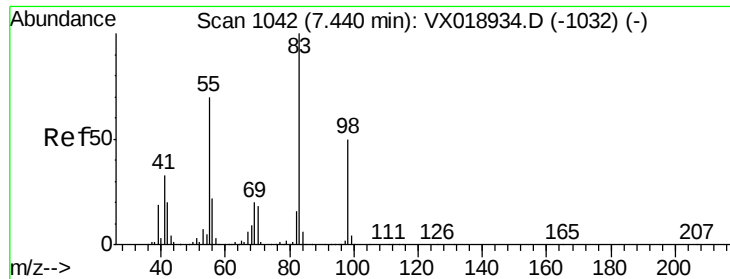
2000

0

7.10 7.15 7.20 7.25

Time-->

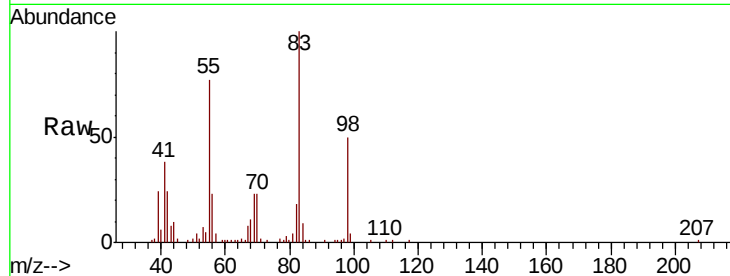




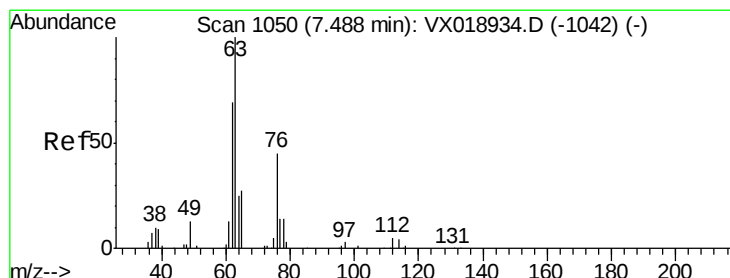
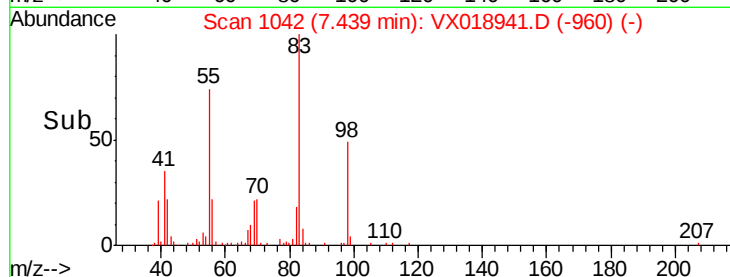
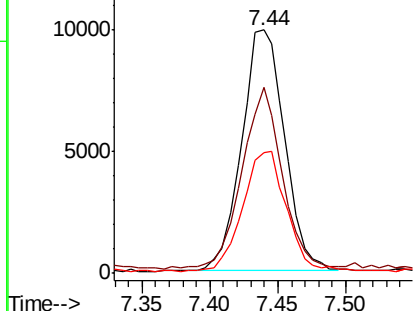
#38
Methvlcvclohexane
Concen: 4.822 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 83 Resp: 21812
Ion Ratio Lower Upper
83 100
55 70.0 34.8 104.4
98 50.6 25.8 77.4

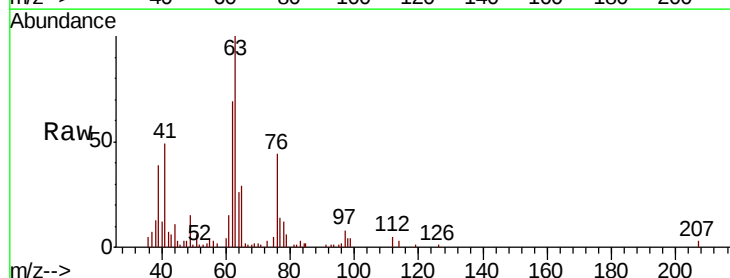


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

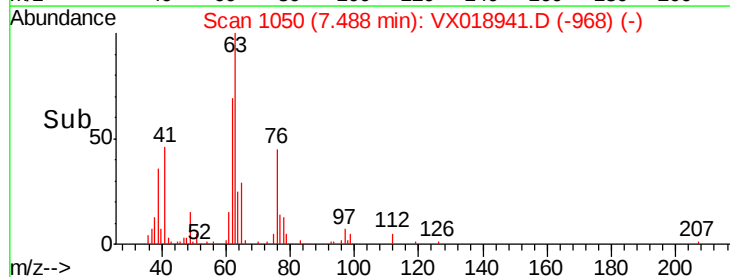
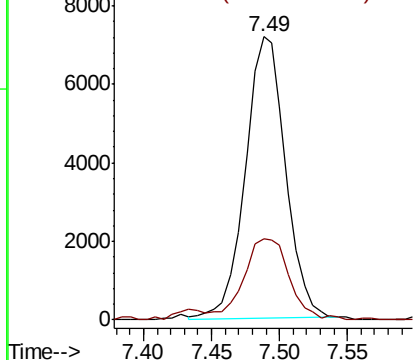


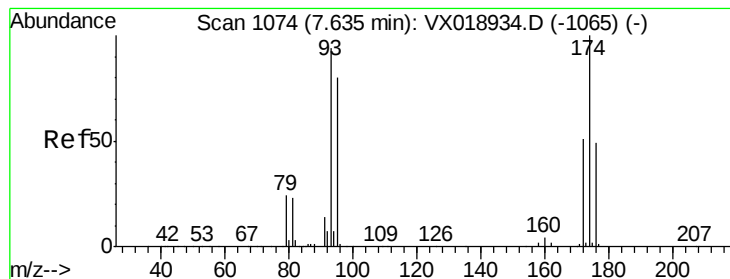
#39
1,2-Dichloropropane
Concen: 5.140 ug/l
RT: 7.49 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion: 63 Resp: 14782
Ion Ratio Lower Upper
63 100
65 28.0 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 65.00 (64.70 to 65.70): VX0





#40

Dibromomethane

Concen: 5.091 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

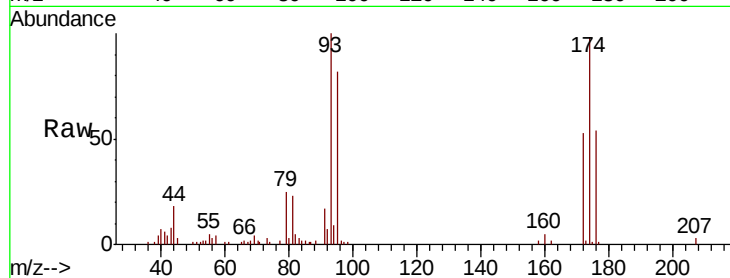
Tot Ion: 93 Resp: 10753

Ion Ratio Lower Upper

93 100

95 84.4 0.0 164.0

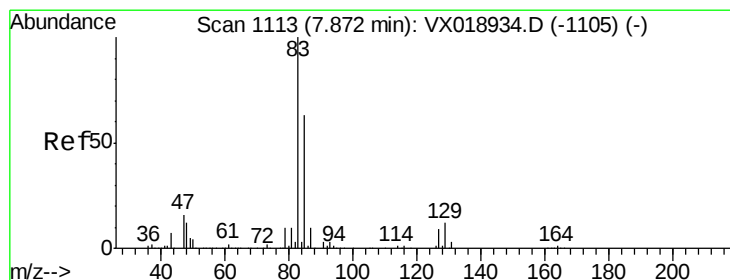
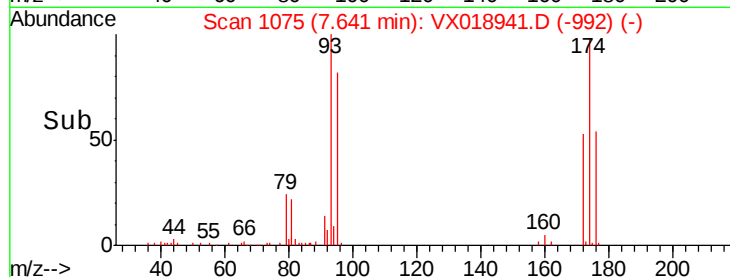
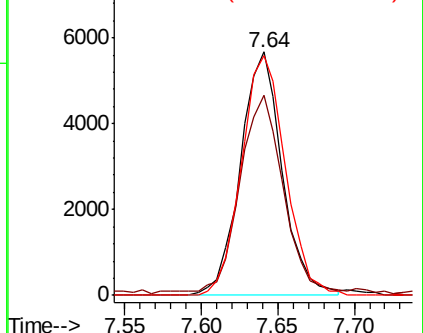
174 103.8 0.0 214.6



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: 5.020 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

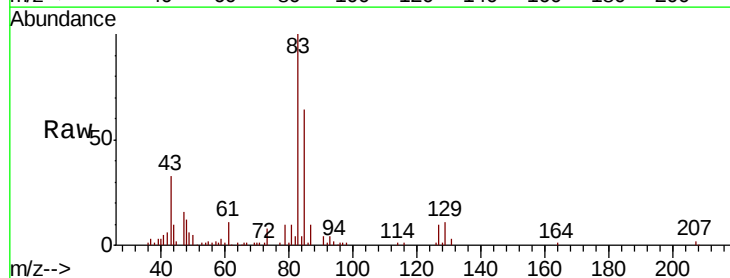
Tgt Ion: 83 Resp: 21586

Ion Ratio Lower Upper

83 100

85 63.9 50.4 75.6

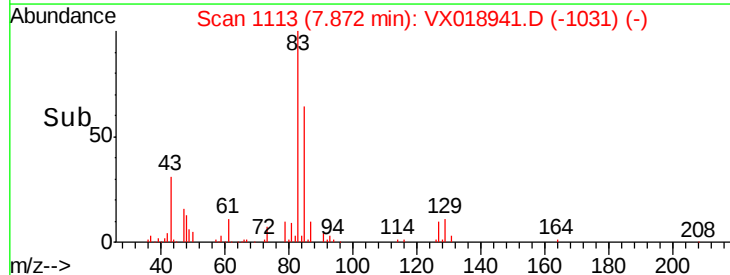
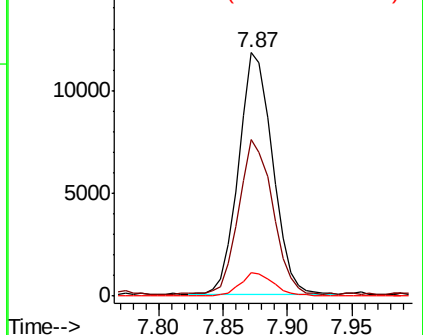
127 9.7 7.5 11.3

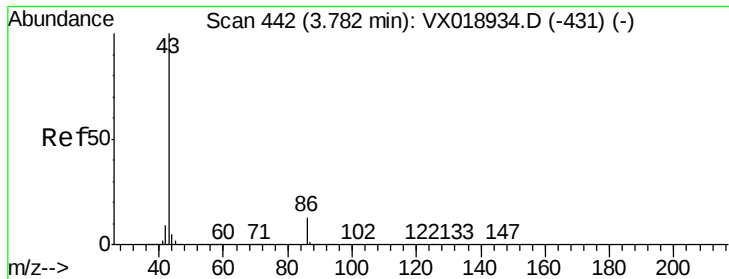


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V





#42

Vinyl Acetate

Concen: 24.863 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

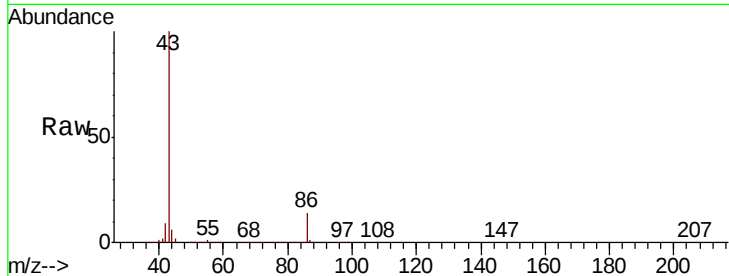
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 176060

Ion Ratio Lower Upper

43 100

86 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

80000

60000

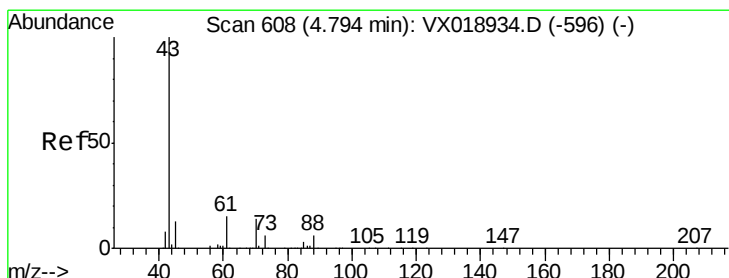
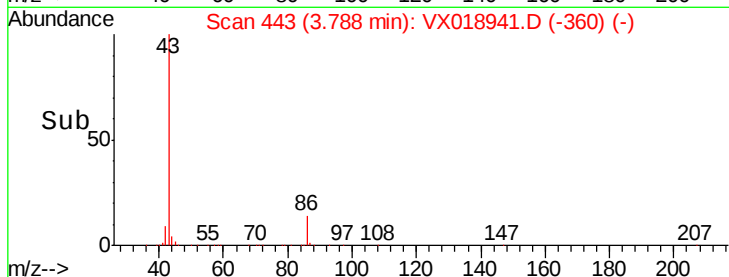
40000

20000

0

Time-->

3.70 3.80 3.90



#43

Ethyl Acetate

Concen: 4.638 ug/l

RT: 4.79 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX018941.D

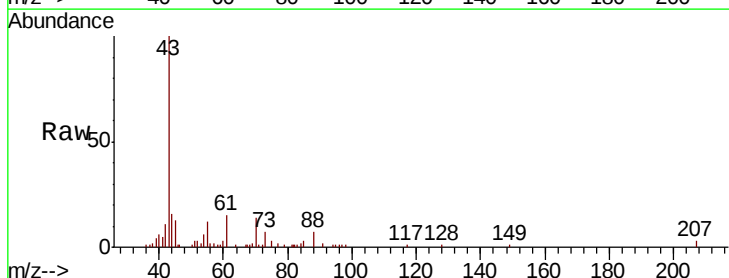
Acq: 15 Oct 2020 18:44

Tgt Ion: 43 Resp: 18978

Ion Ratio Lower Upper

43 100

45 15.2 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

8000

6000

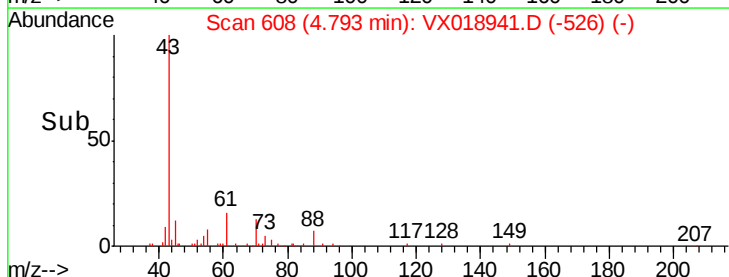
4000

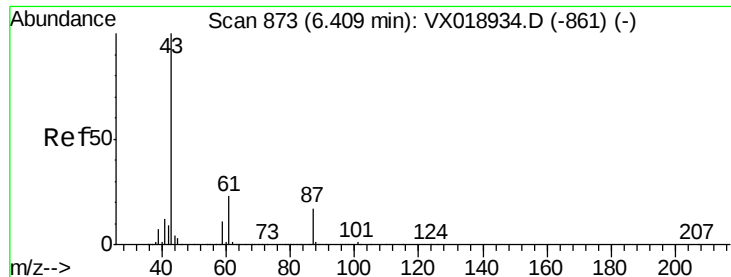
2000

0

Time-->

4.70 4.75 4.80 4.85 4.90



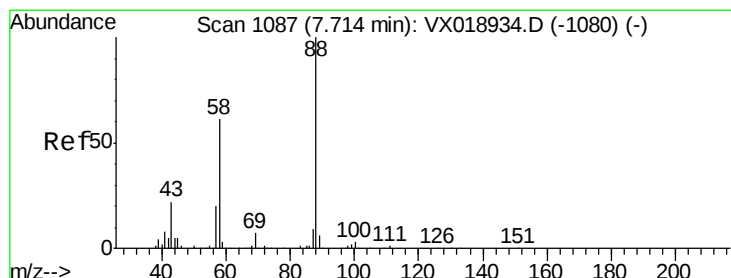
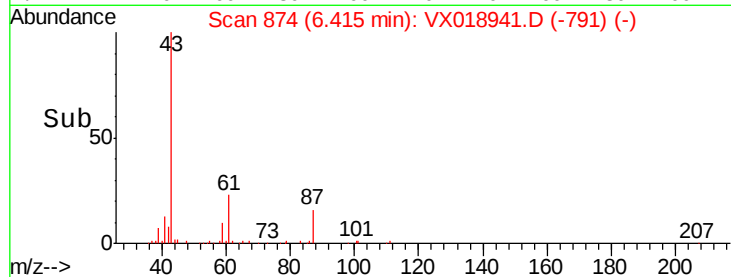
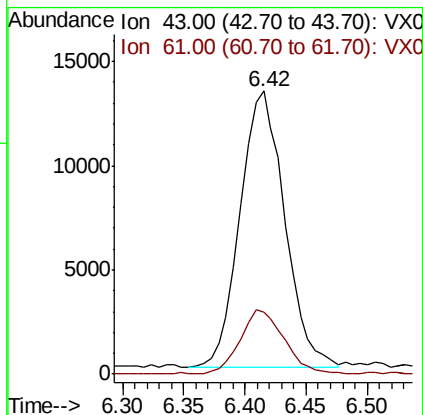
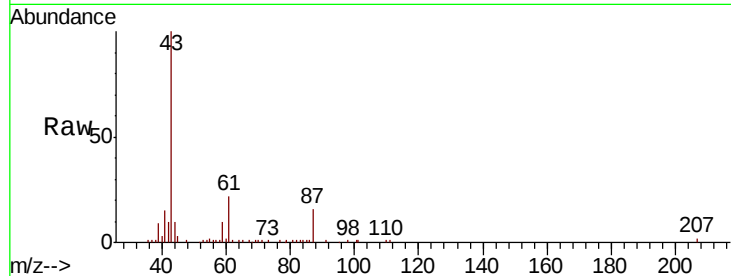


#44

Isopropyl Acetate
 Concen: 5.142 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

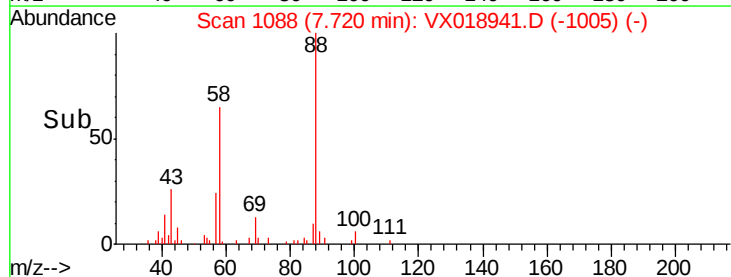
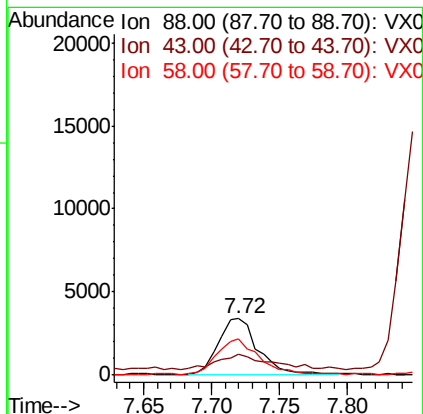
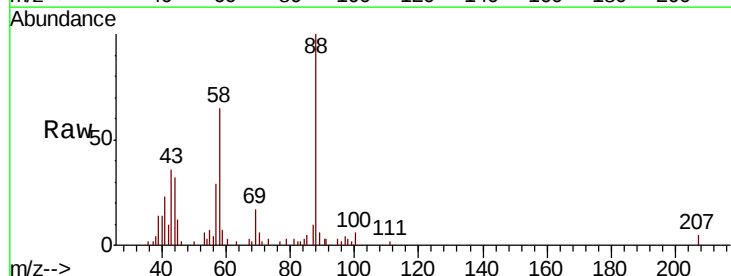
Tot Ion: 43 Resp: 33788
 Ion Ratio Lower Upper
 43 100
 61 22.9 0.0 0.0#

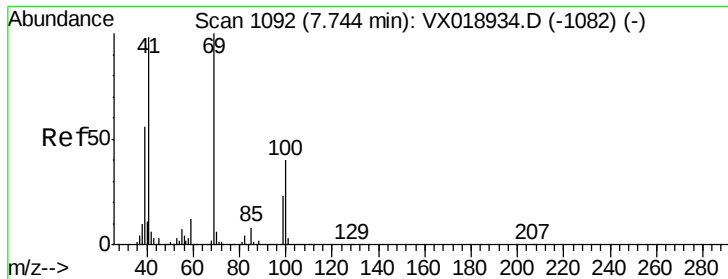


#45

1,4-Dioxane
 Concen: 100.651 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Tgt Ion: 88 Resp: 7058
 Ion Ratio Lower Upper
 88 100
 43 24.8 22.1 33.1
 58 68.1 52.1 78.1

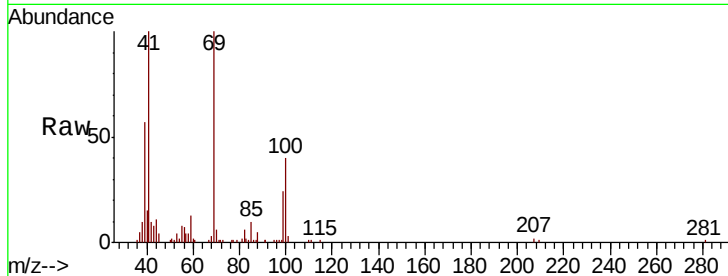




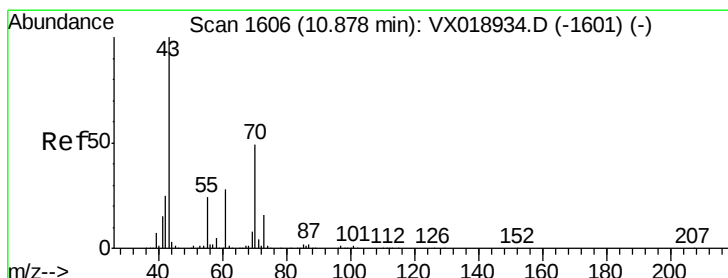
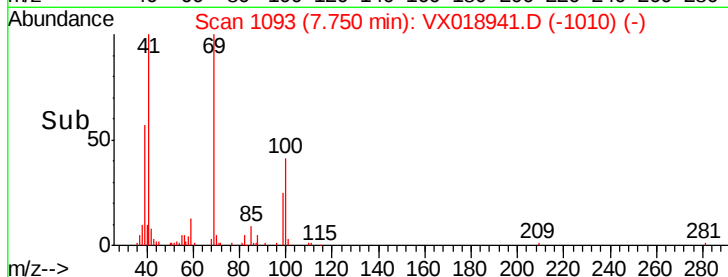
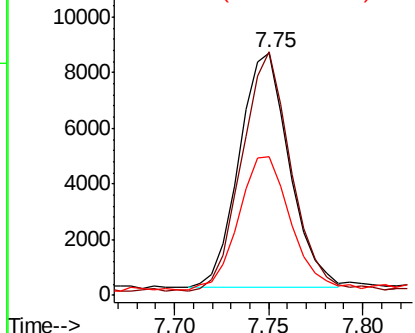
#46
Methyl methacrylate
Concen: 5.103 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 41 Resp: 15588
Ion Ratio Lower Upper
41 100
69 101.8 50.8 152.5
39 56.7 28.5 85.6

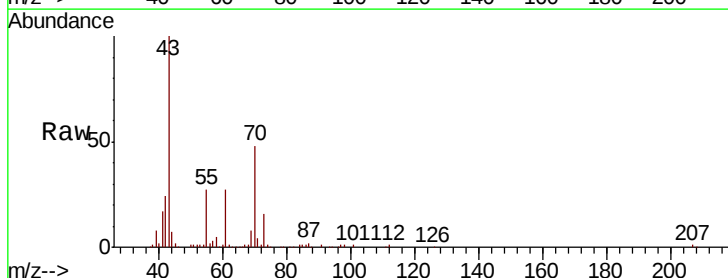


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

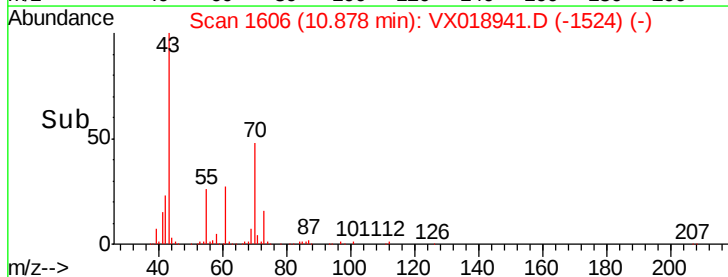
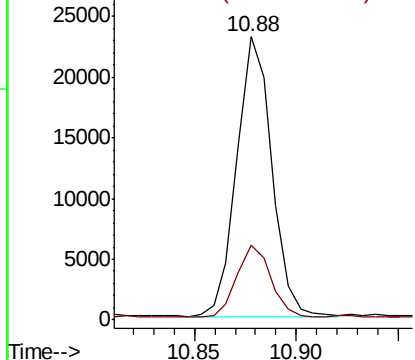


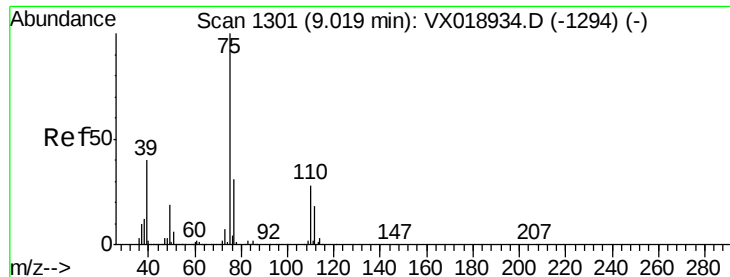
#47
n-ethyl acetate
Concen: 4.993 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion: 43 Resp: 27405
Ion Ratio Lower Upper
43 100
55 24.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#48

t-1,3-Dichloropropene

Concen: 5.002 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

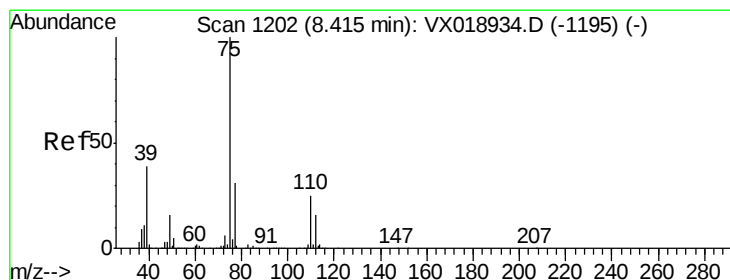
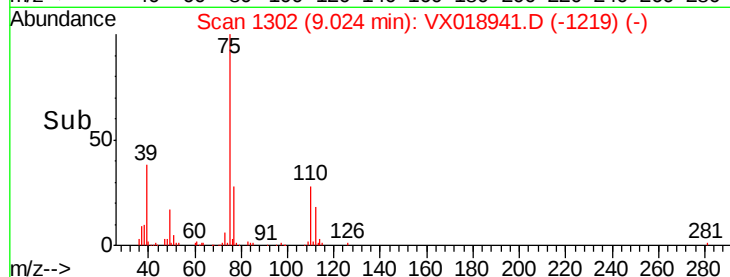
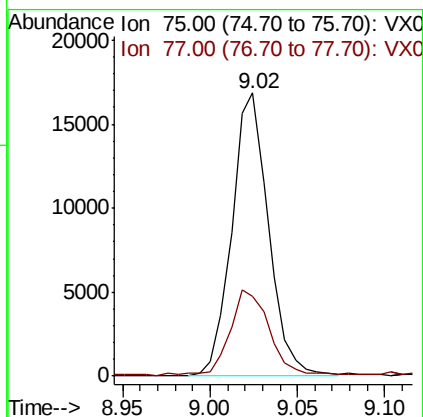
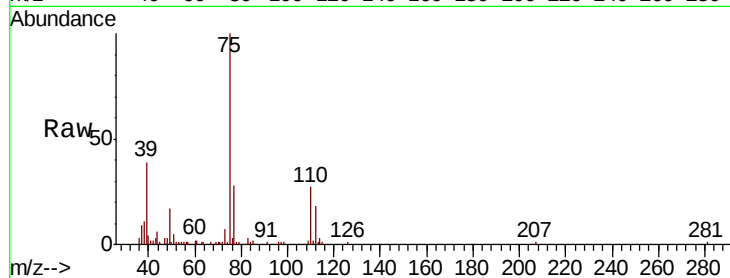
LOQ-WATER-02-QT4-2020

Tot Ion: 75 Resp: 24557

Ion Ratio Lower Upper

75 100

77 27.2 24.6 36.8



#49

cis-1,3-Dichloropropene

Concen: 5.013 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

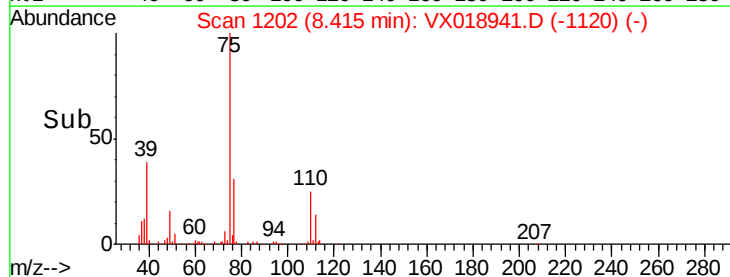
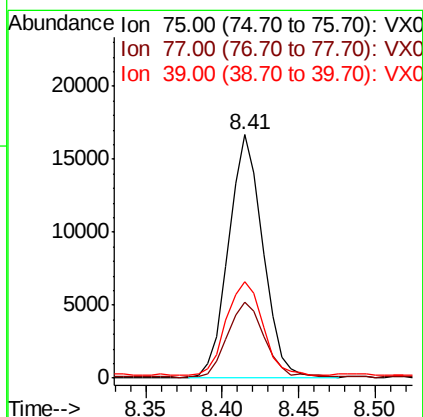
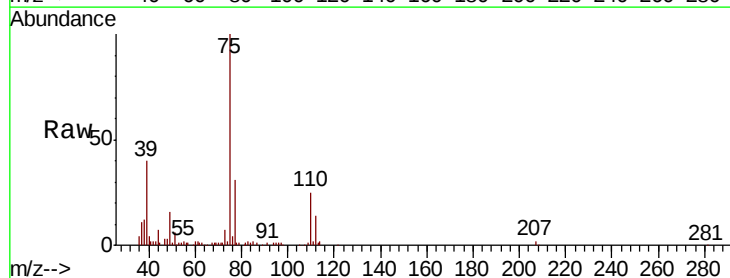
Tgt Ion: 75 Resp: 26172

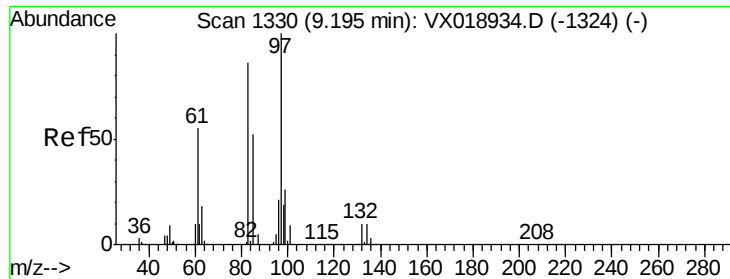
Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7

39 38.4 31.5 47.3

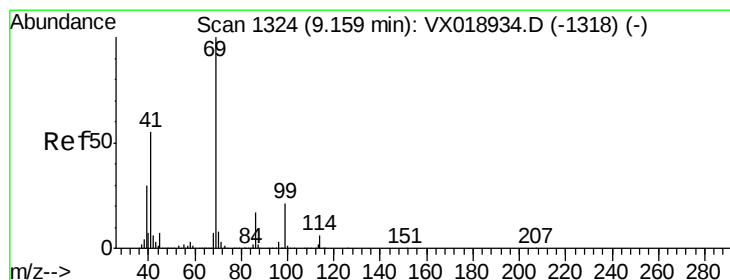
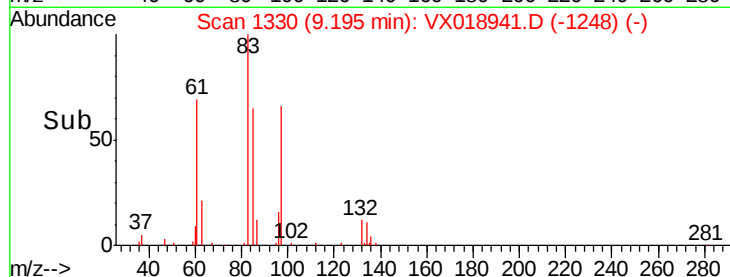
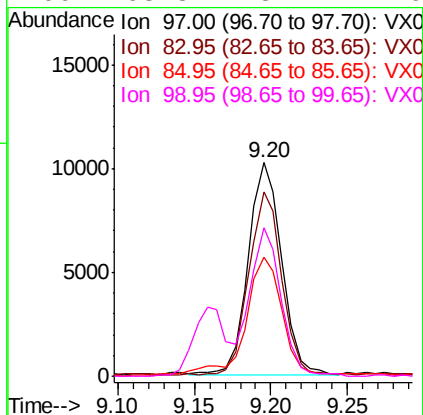
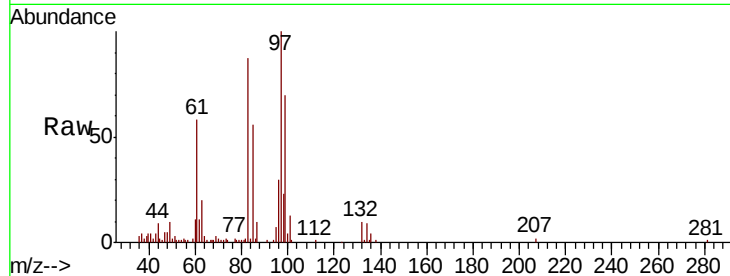




#50
 1,1,2-Trichloroethane
 Concen: 5.116 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

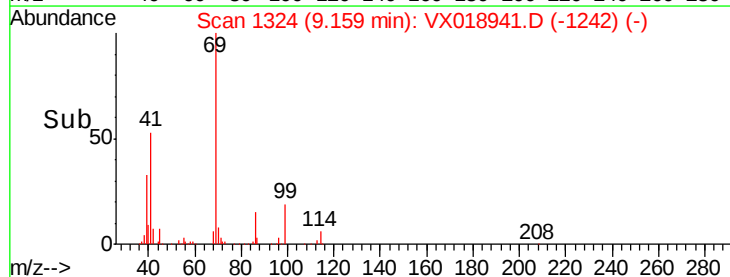
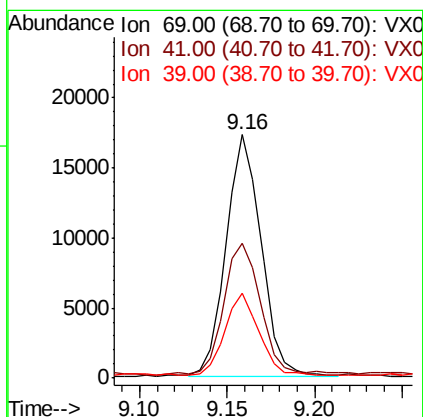
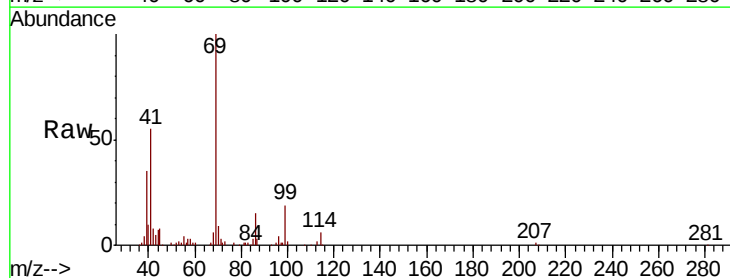
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

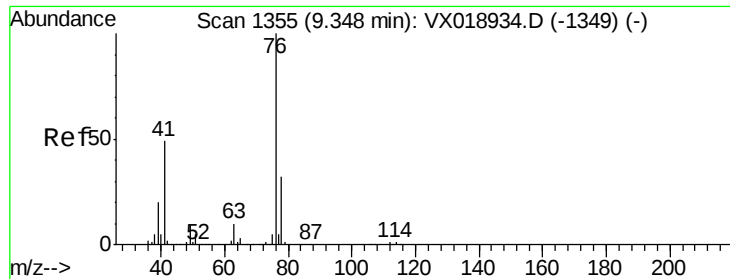
Tot Ion:	97	Resp:	15506
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.0	102.0
85	54.7	43.8	65.8
99	68.8	48.4	72.6



#51
 Ethyl methacrylate
 Concen: 5.027 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Tgt Ion:	69	Resp:	23983
Ion	Ratio	Lower	Upper
69	100		
41	53.9	27.6	82.8
39	34.0	15.0	45.0





#52

1,3-Dichloropropane

Concen: 5.157 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

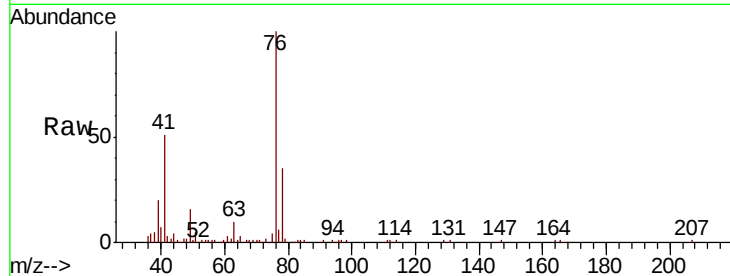
LOQ-WATER-02-QT4-2020

Tot Ion: 76 Resp: 25794

Ion Ratio Lower Upper

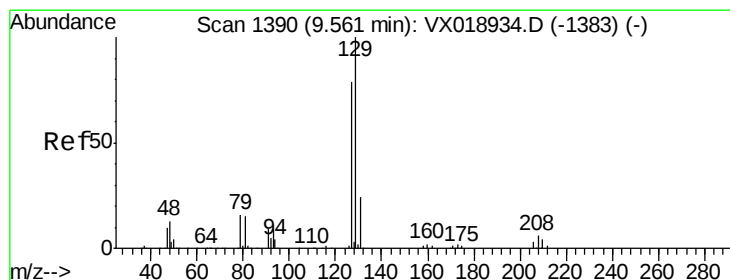
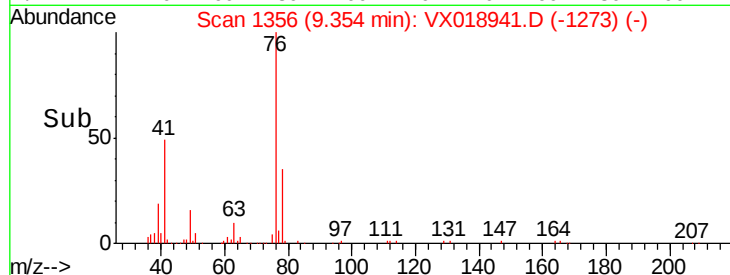
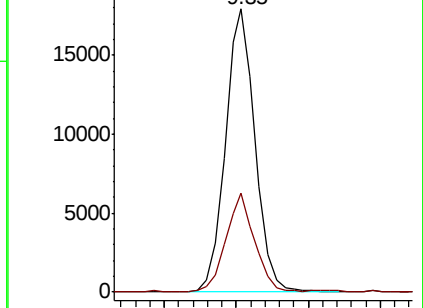
76 100

78 34.2 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



#53

Dibromochloromethane

Concen: 4.928 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX018941.D

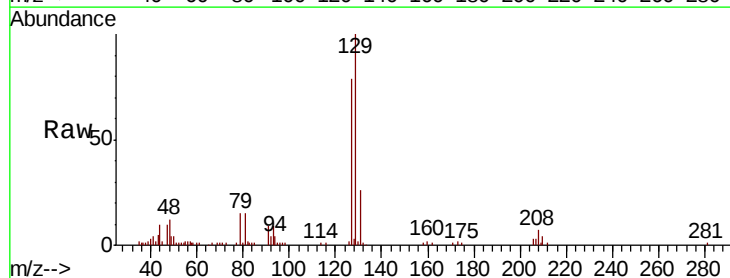
Acq: 15 Oct 2020 18:44

Tgt Ion: 129 Resp: 17767

Ion Ratio Lower Upper

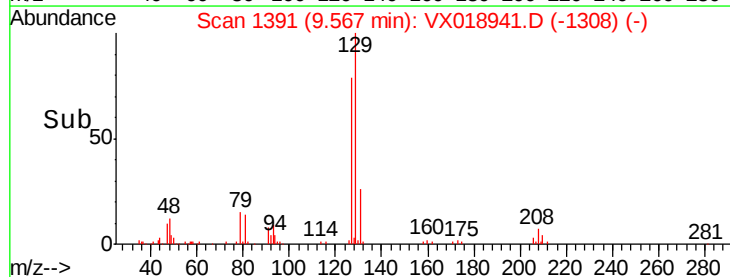
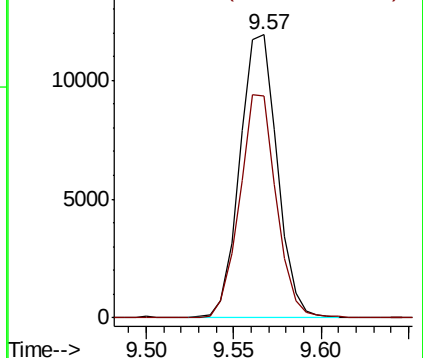
129 100

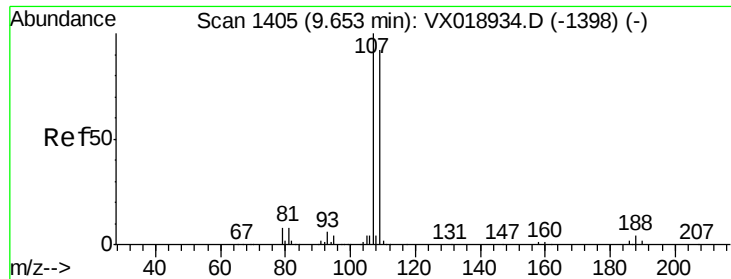
127 77.0 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#54

1,2-Dibromoethane

Concen: 5.198 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

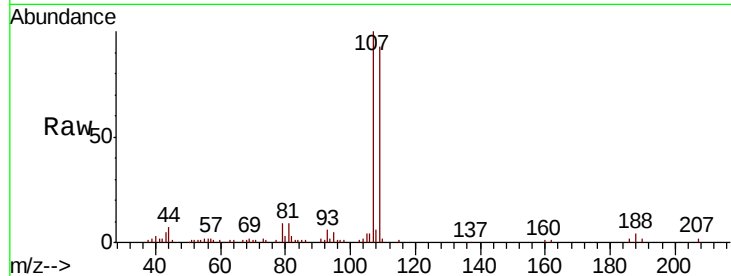
LOQ-WATER-02-QT4-2020

Tot Ion:107 Resp: 17318

Ion Ratio Lower Upper

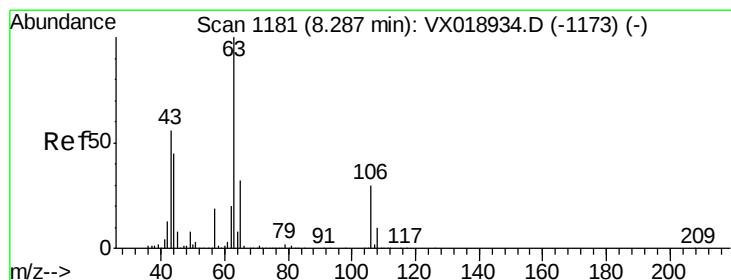
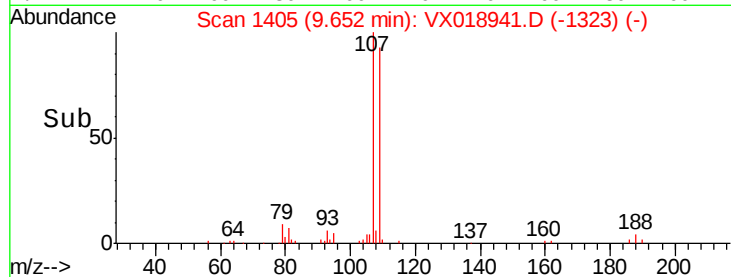
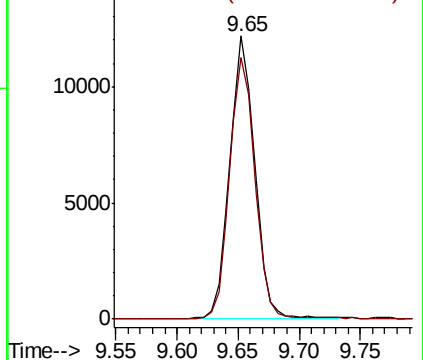
107 100

109 92.7 75.1 112.7



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: 25.228 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

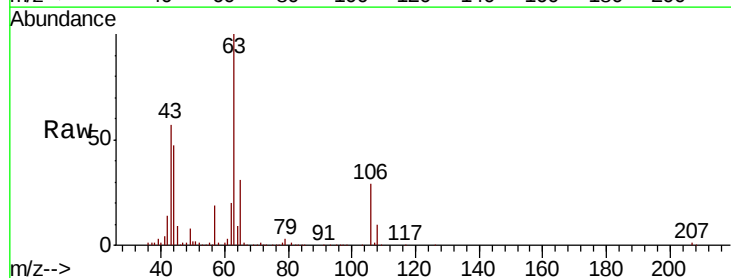
Tgt Ion: 63 Resp: 63488

Ion Ratio Lower Upper

63 100

65 33.5 25.8 38.6

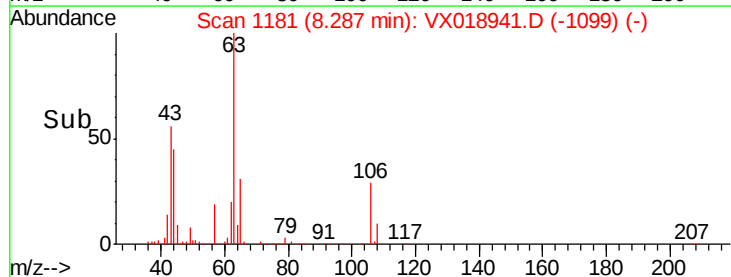
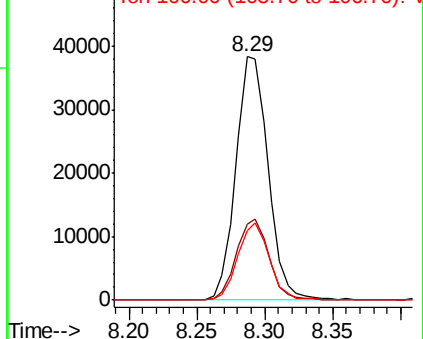
106 30.9 25.3 37.9

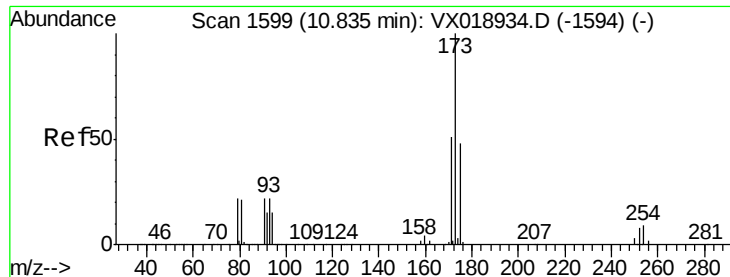


Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V





#56

Bromoform

Concen: 4.732 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

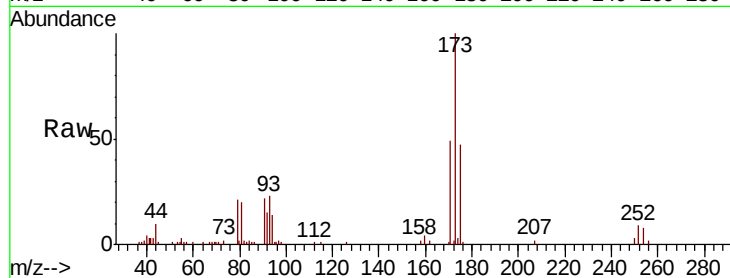
Tot Ion:173 Resp: 13171

Ion Ratio Lower Upper

173 100

175 48.0 39.2 58.8

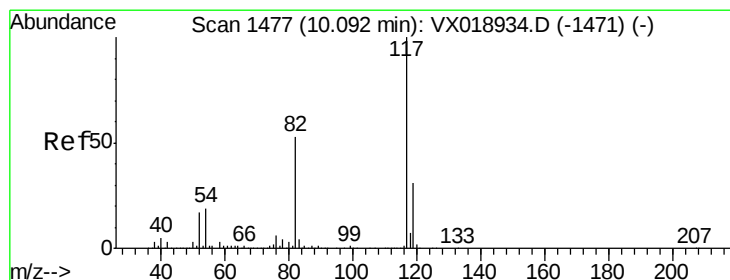
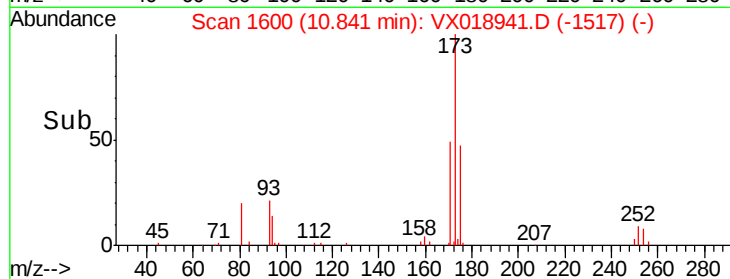
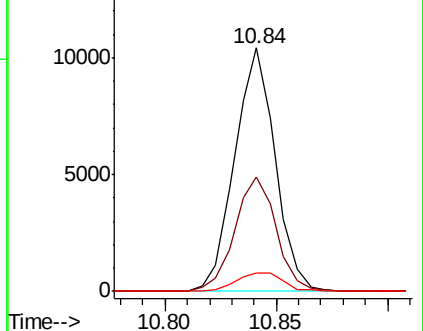
254 8.9 7.5 11.3



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

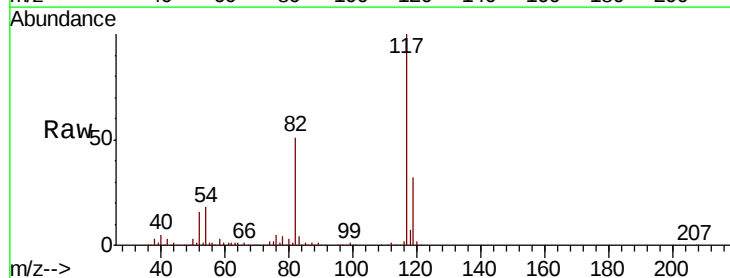
Tgt Ion:117 Resp: 240901

Ion Ratio Lower Upper

117 100

82 52.8 41.6 62.4

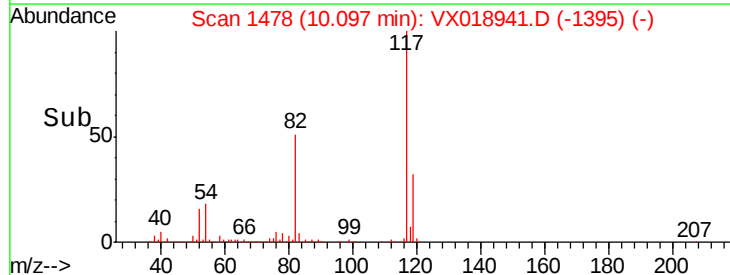
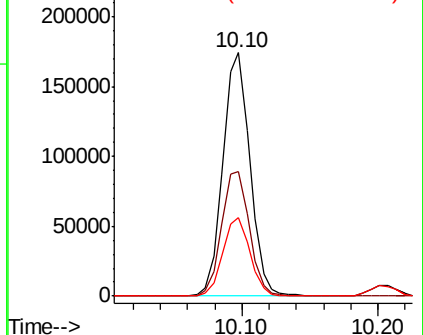
119 32.3 25.7 38.5

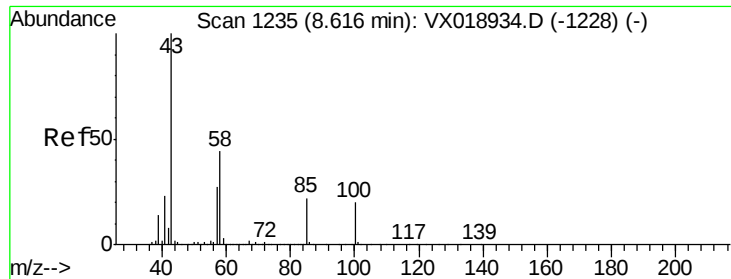


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

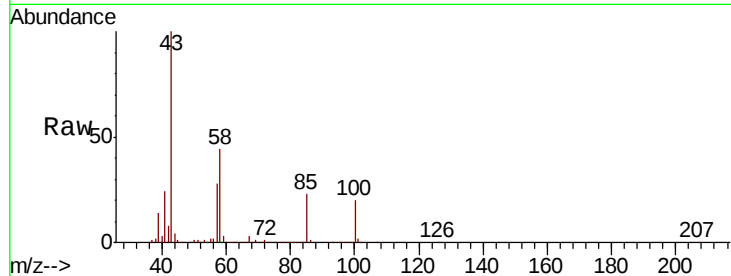




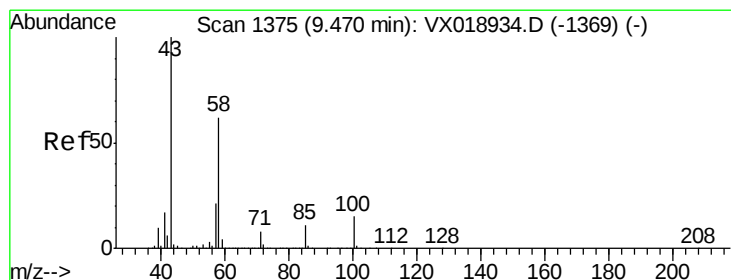
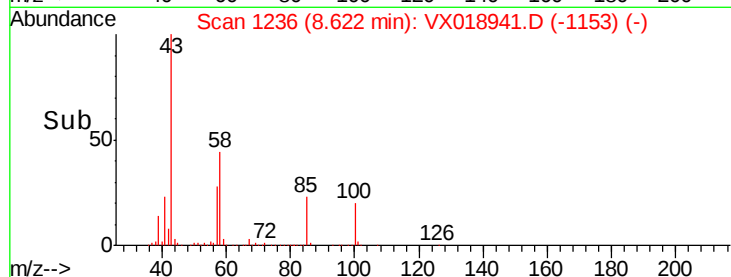
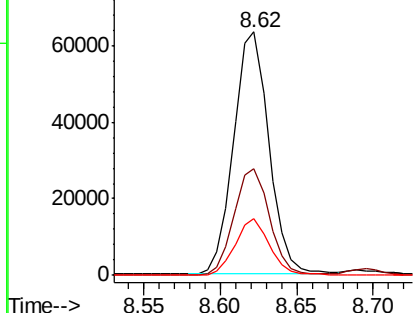
#58
4-Methyl-2-Pentanone
Concen: 26.231 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 100837
Ion Ratio Lower Upper
43 100
58 44.8 35.4 53.2
85 22.9 18.0 27.0

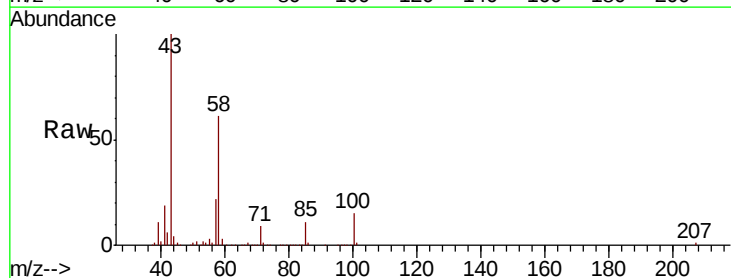


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

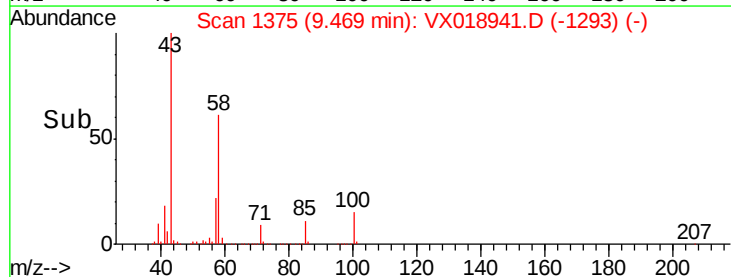
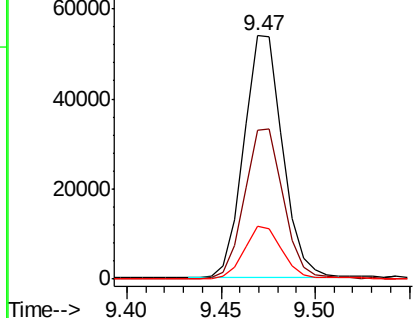


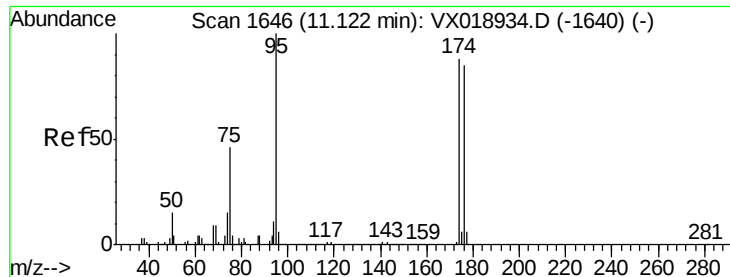
#59
2-Hexanone
Concen: 26.015 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion: 43 Resp: 76573
Ion Ratio Lower Upper
43 100
58 62.5 49.7 74.5
57 21.0 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

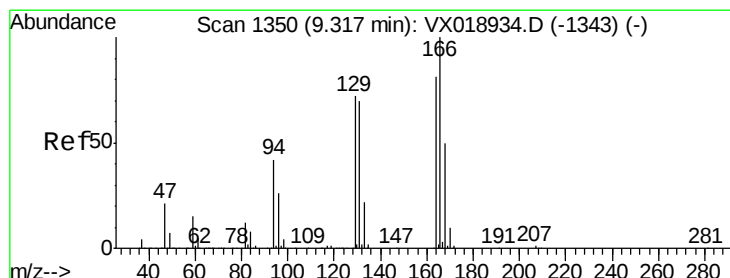
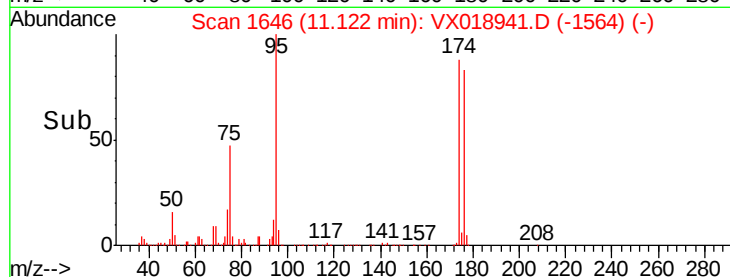
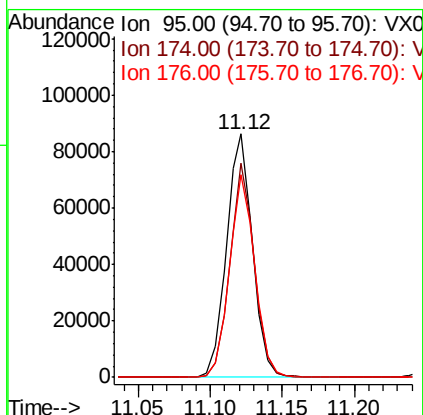
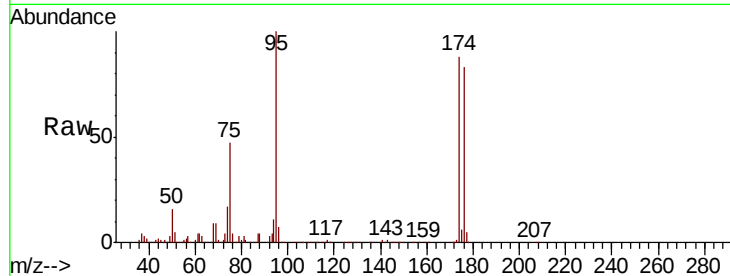




#60
4-Bromofluorobenzene
Concen: 29.263 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

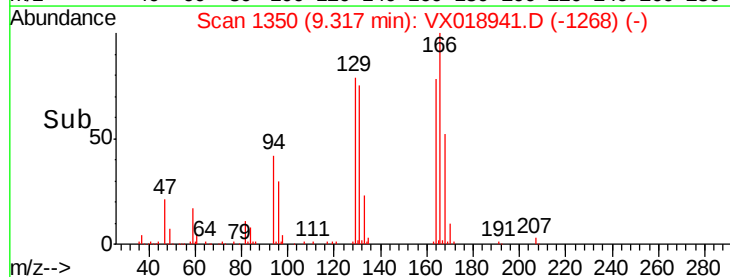
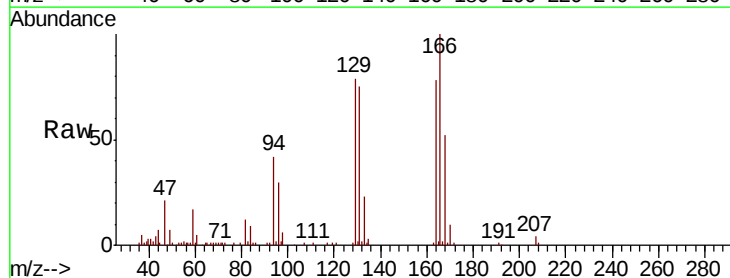
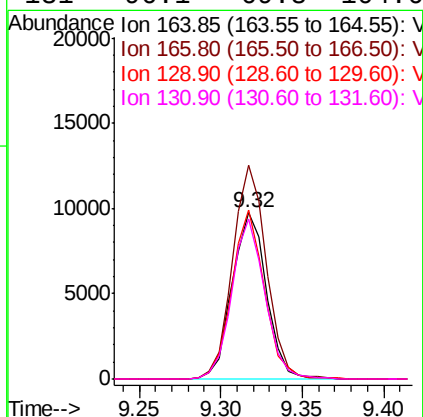
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

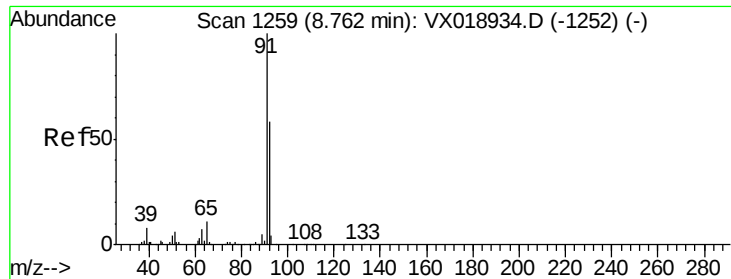
Tot Ion: 95 Resp: 109751
Ion Ratio Lower Upper
95 100
174 82.3 67.0 100.4
176 80.8 64.5 96.7



#61
Tetrachloroethene
Concen: 4.817 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion: 164 Resp: 14269
Ion Ratio Lower Upper
164 100
166 128.6 99.4 149.0
129 101.6 71.8 107.6
131 96.1 69.8 104.6





#62

Toluene

Concen: 5.132 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

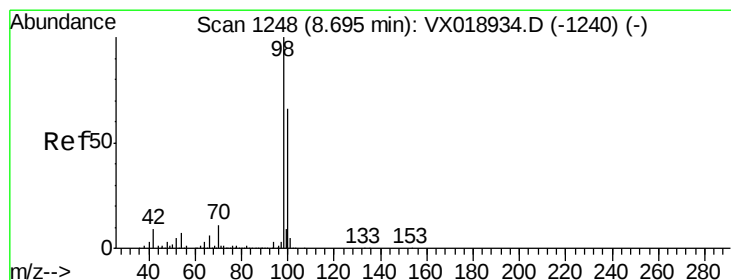
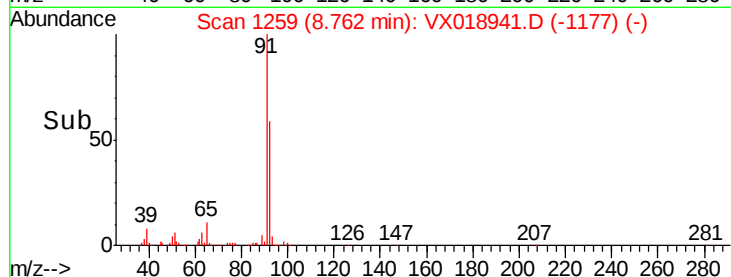
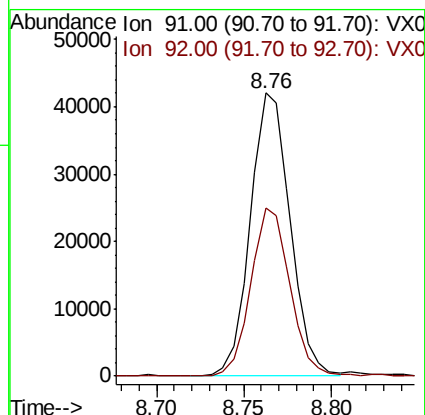
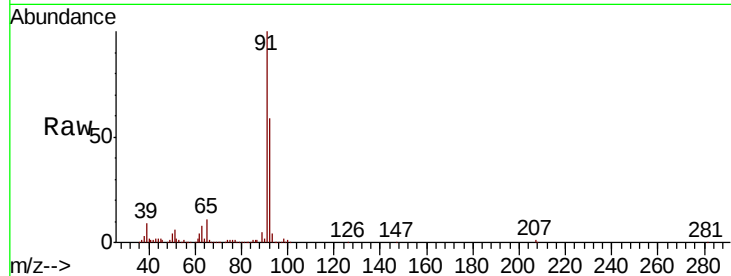
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 66245

Ion Ratio Lower Upper

91 100

92 58.6 47.1 70.7



#63

Toluene-d8

Concen: 30.822 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018941.D

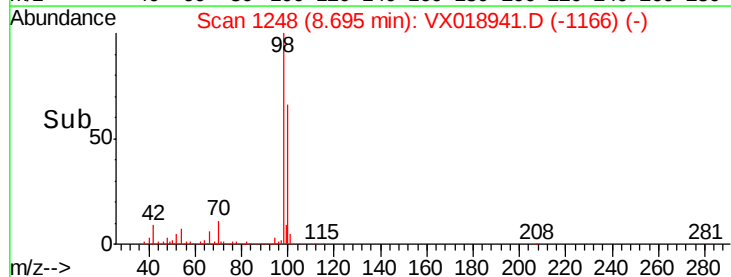
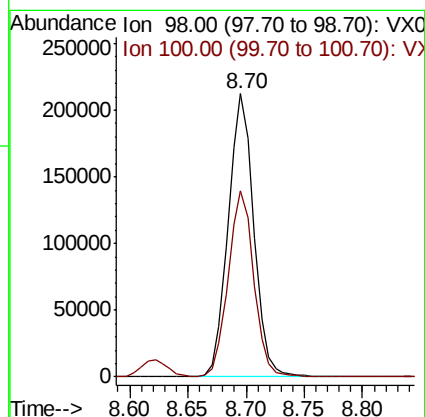
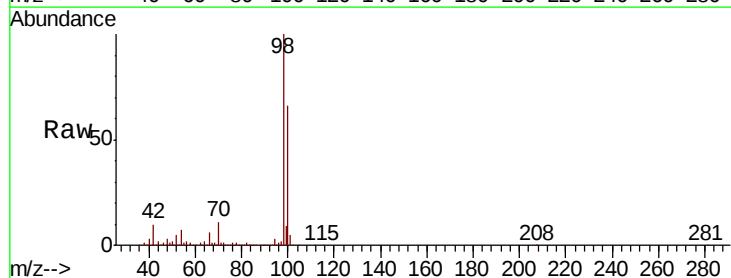
Acq: 15 Oct 2020 18:44

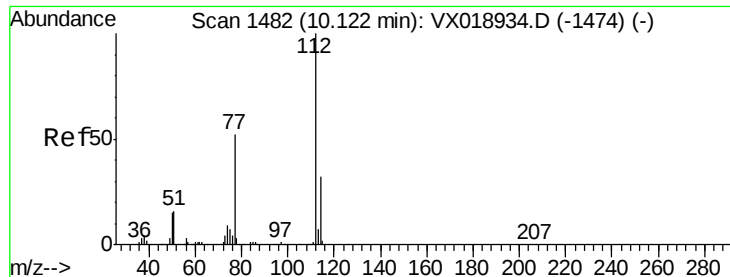
Tgt Ion: 98 Resp: 324357

Ion Ratio Lower Upper

98 100

100 65.7 53.2 79.8





#64

Chlorobenzene

Concen: 5.104 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

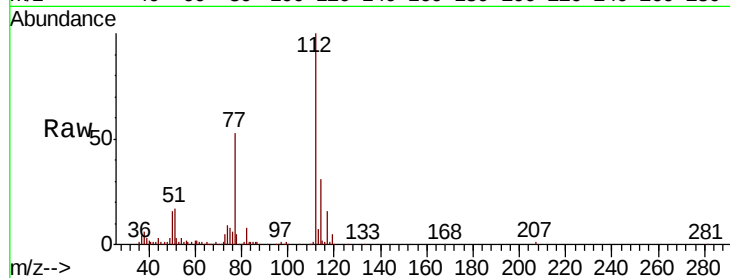
LOQ-WATER-02-QT4-2020

Tot Ion:112 Resp: 41908

Ion Ratio Lower Upper

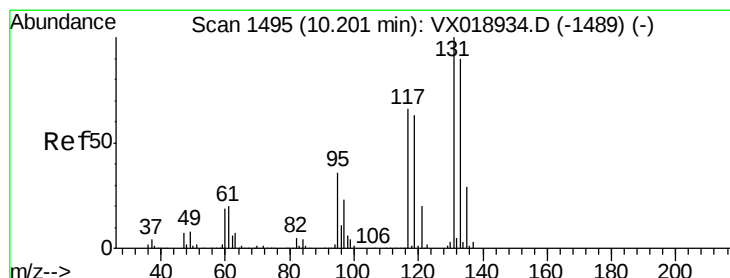
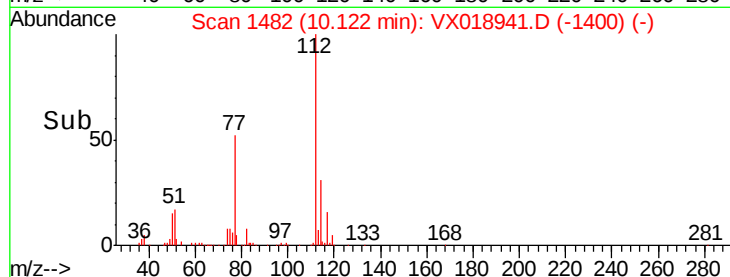
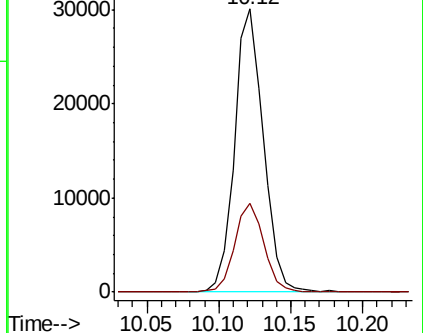
112 100

114 31.1 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 5.092 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

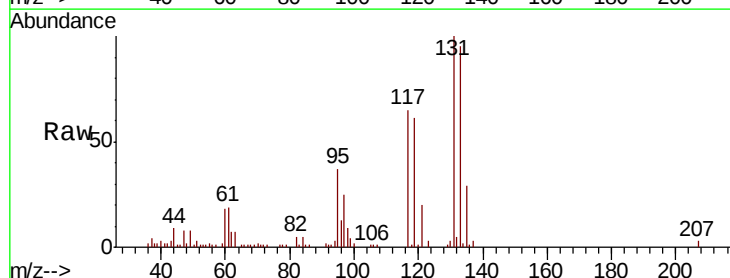
Tgt Ion:131 Resp: 16228

Ion Ratio Lower Upper

131 100

133 97.1 0.0 188.8

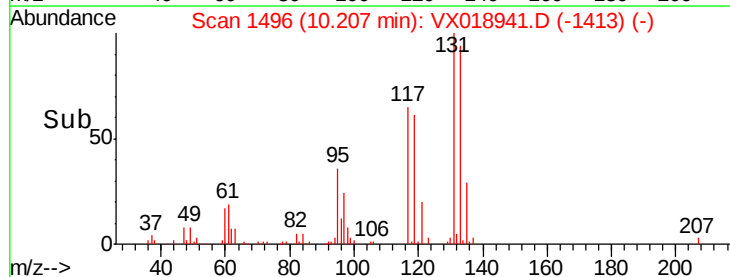
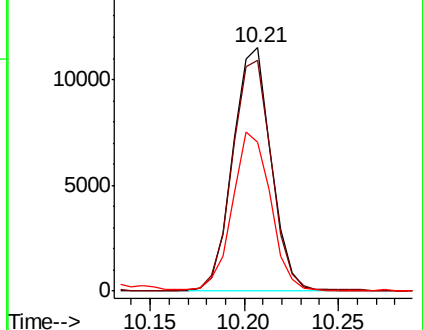
119 65.3 0.0 127.2

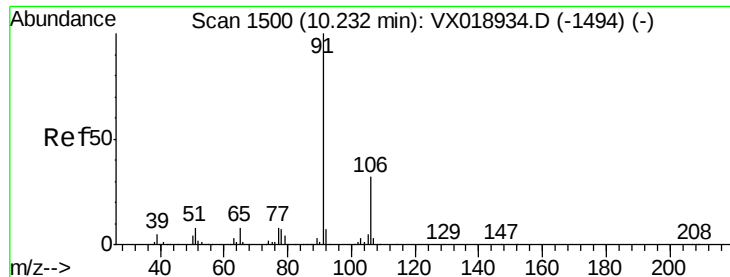


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 5.054 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

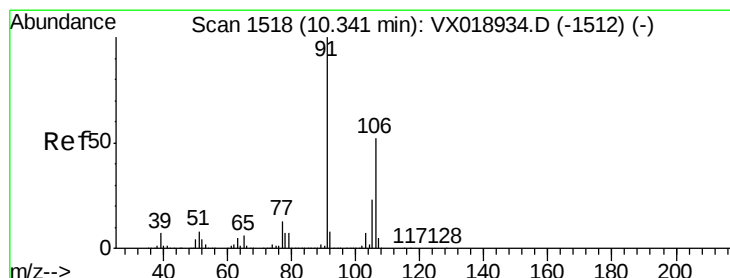
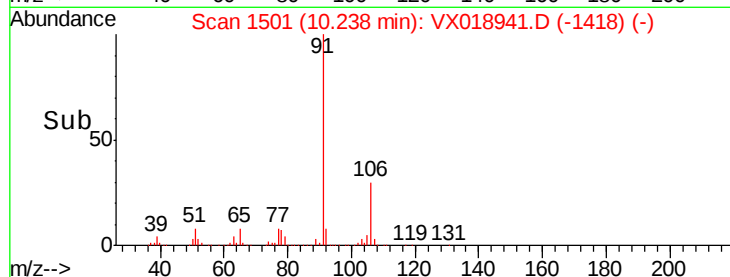
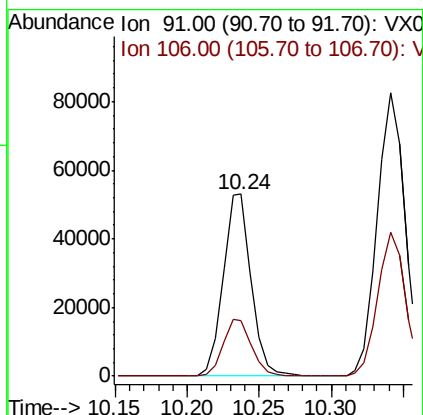
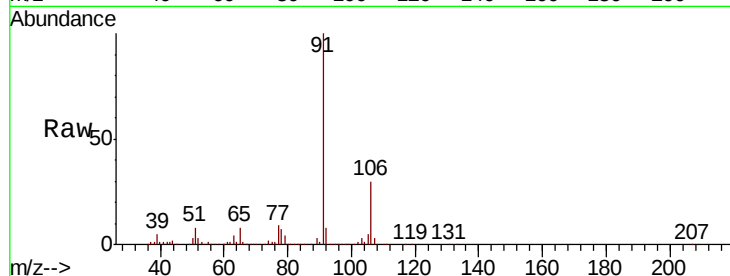
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 72298

Ion Ratio Lower Upper

91 100

106 30.3 25.3 37.9



#67

m/p-Xylenes

Concen: 9.919 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018941.D

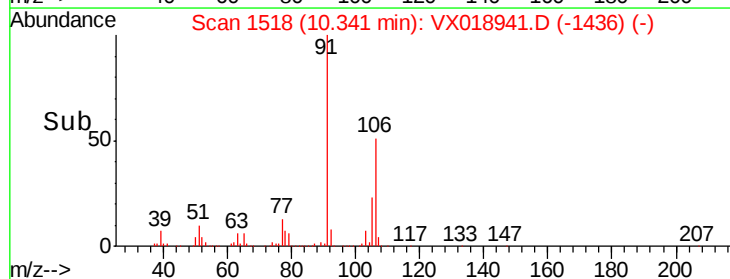
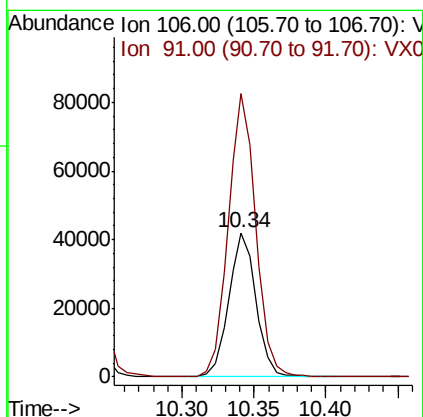
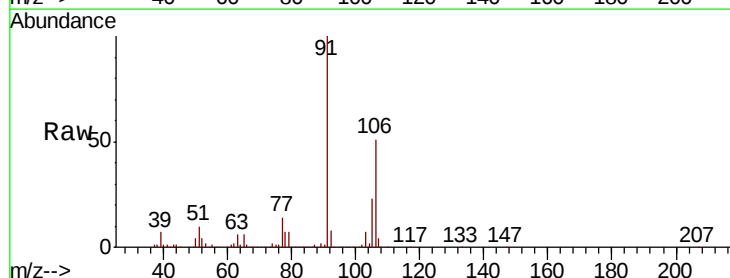
Acq: 15 Oct 2020 18:44

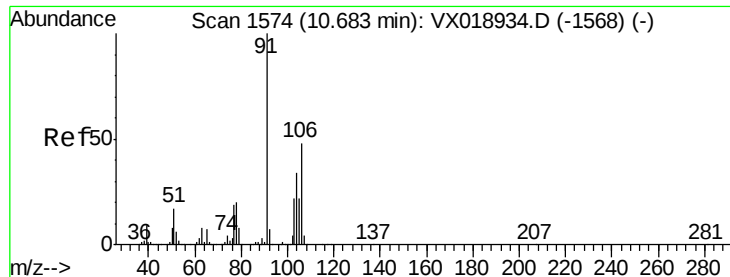
Tgt Ion: 106 Resp: 55592

Ion Ratio Lower Upper

106 100

91 198.1 155.7 233.5

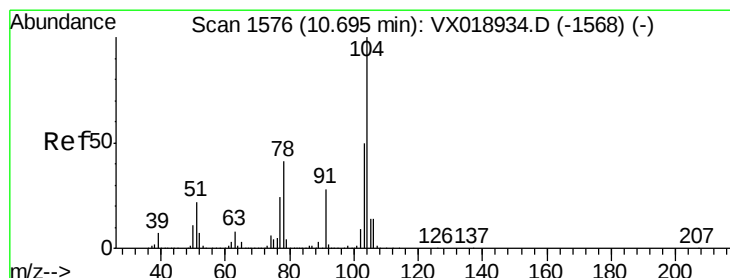
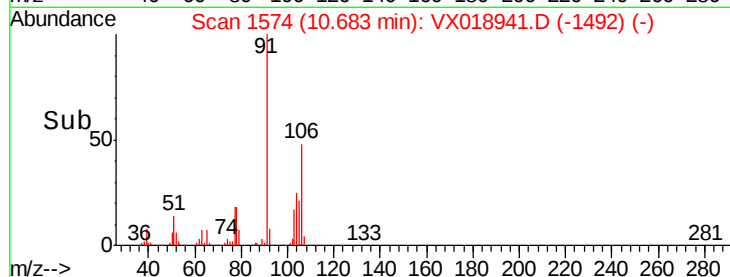
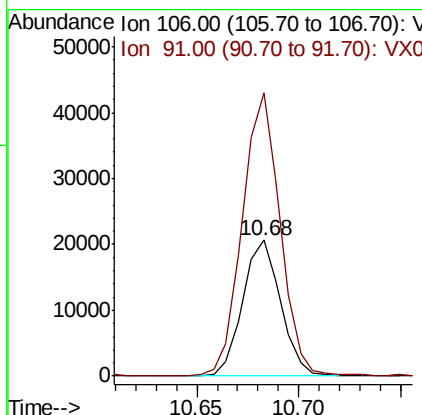
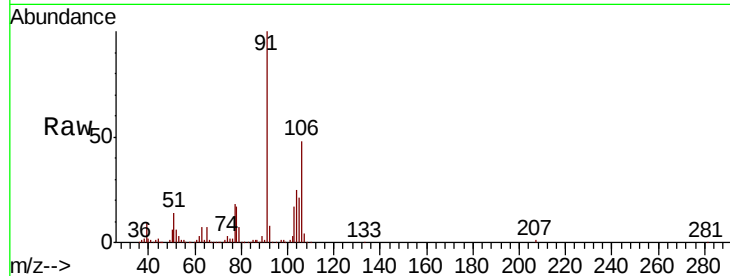




#68
o-Xylene
Concen: 5.030 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

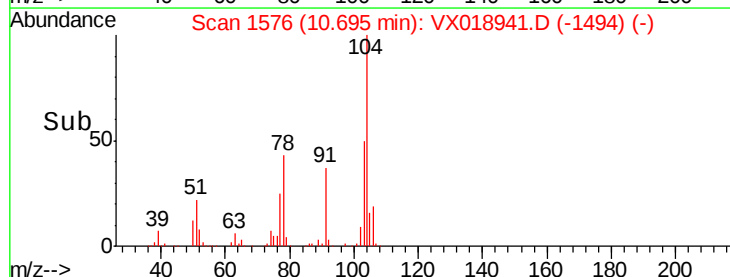
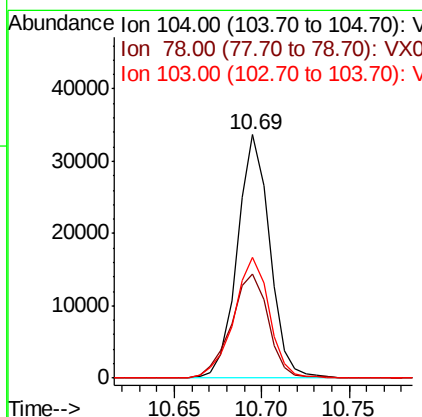
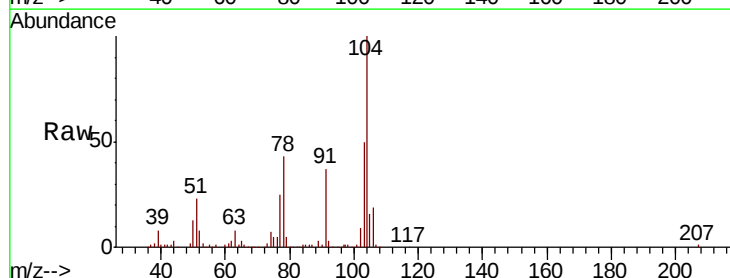
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

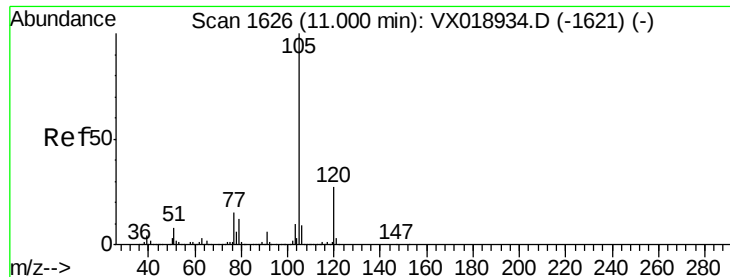
Tot Ion:106 Resp: 26661
Ion Ratio Lower Upper
106 100
91 205.5 103.3 309.9



#69
Styrene
Concen: 4.783 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion:104 Resp: 43583
Ion Ratio Lower Upper
104 100
78 49.5 37.8 56.6
103 54.5 44.1 66.1





#70

Isopropylbenzene

Concen: 5.043 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

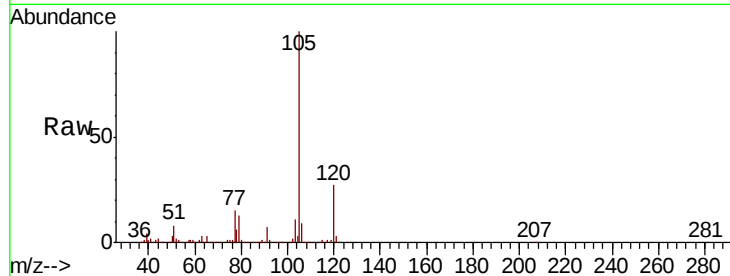
LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 71022

Ion Ratio Lower Upper

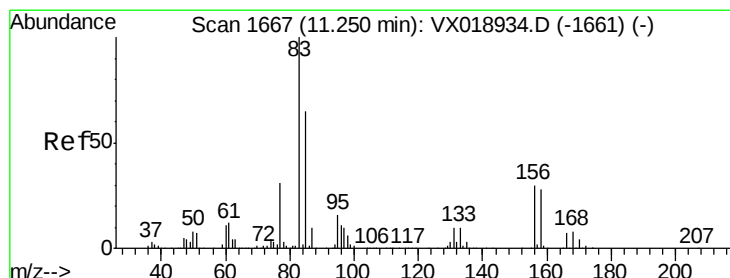
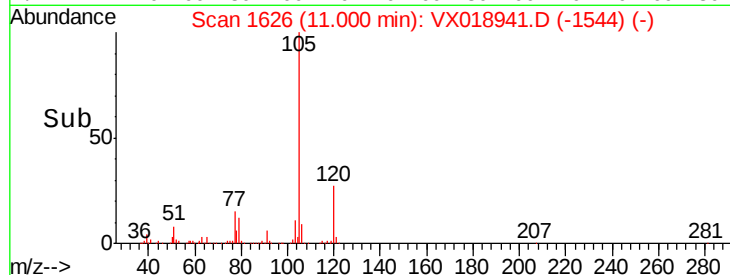
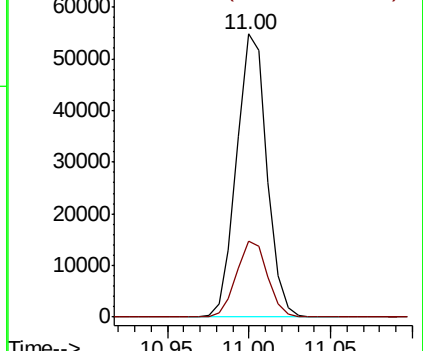
105 100

120 27.5 19.4 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 4.911 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

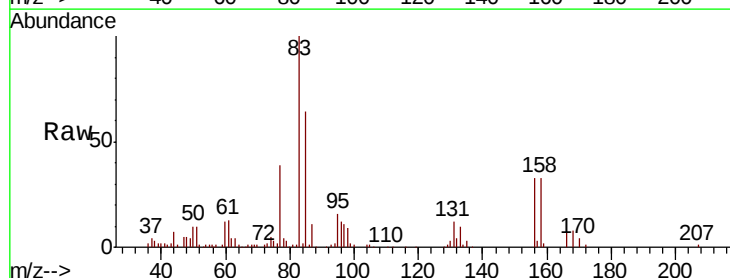
Tgt Ion: 83 Resp: 21542

Ion Ratio Lower Upper

83 100

131 11.5 5.3 16.1

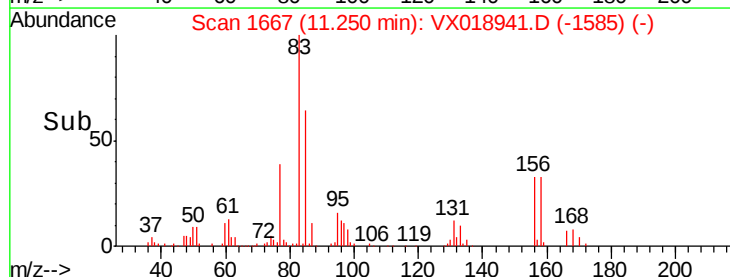
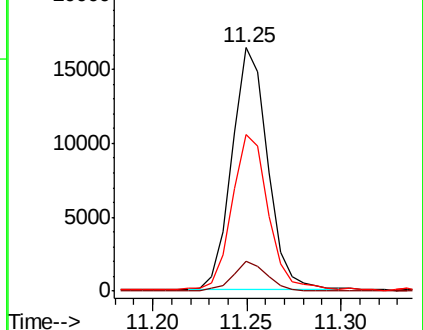
85 65.6 32.3 96.8

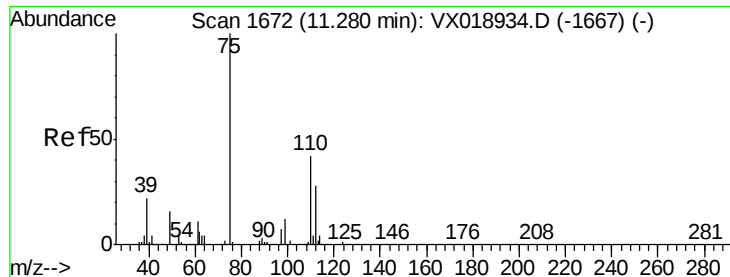


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0





#72

1,2,3-Trichloropropane

Concen: 6.605 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

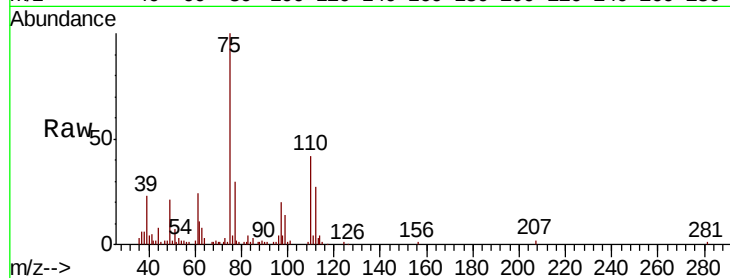
LOQ-WATER-02-QT4-2020

Tot Ion: 75 Resp: 27070

Ion Ratio Lower Upper

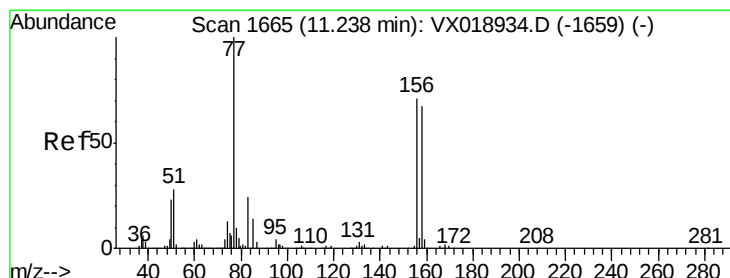
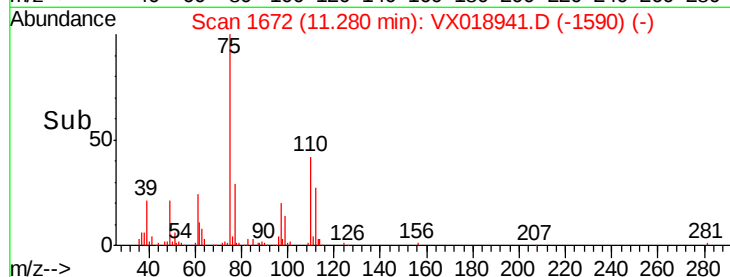
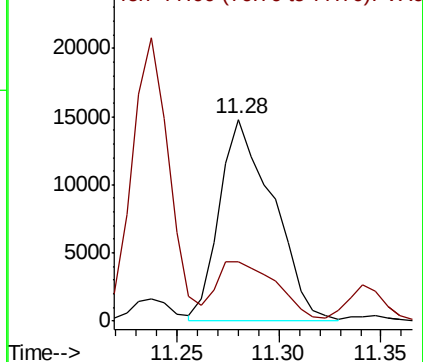
75 100

77 32.8 0.0 75.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#73

Bromobenzene

Concen: 4.789 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

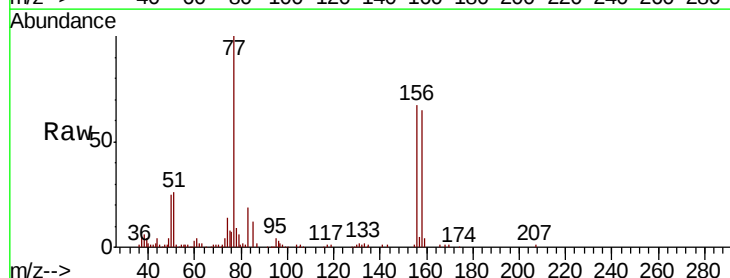
Tgt Ion: 156 Resp: 17366

Ion Ratio Lower Upper

156 100

77 150.9 0.0 288.2

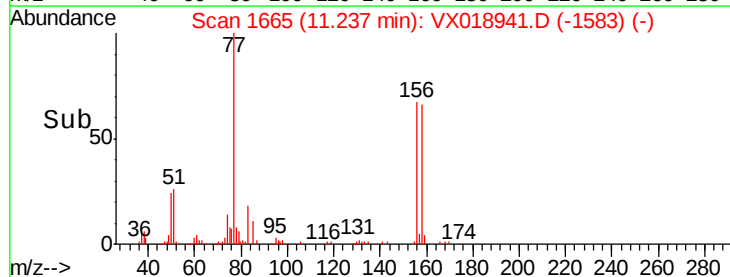
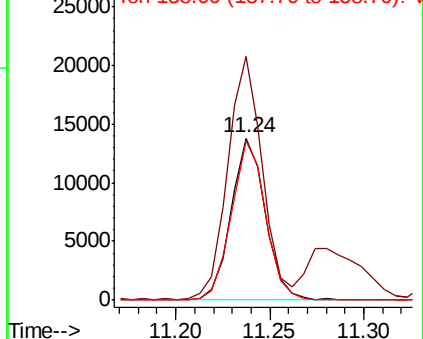
158 98.1 0.0 189.2

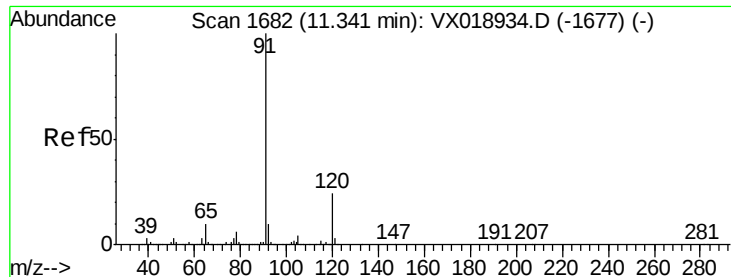


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 4.840 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

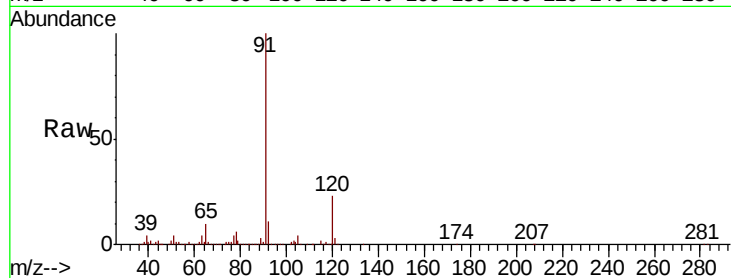
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 77637

Ion Ratio Lower Upper

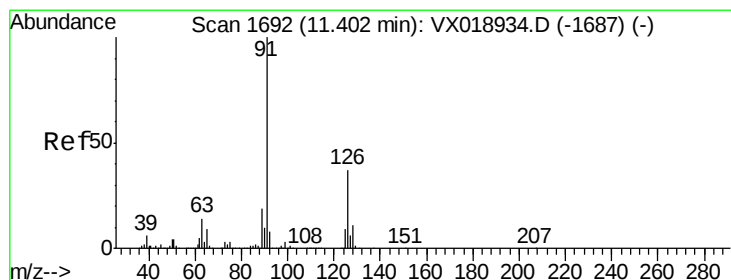
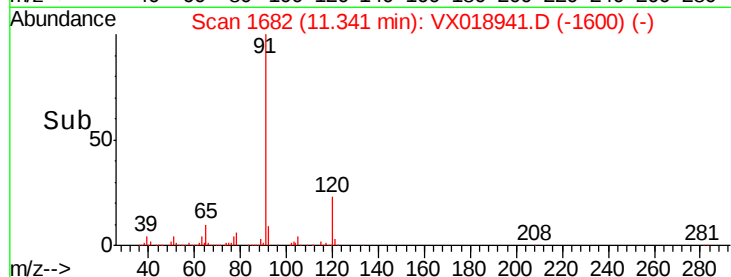
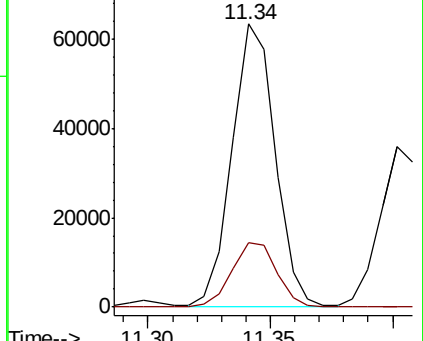
91 100

120 23.6 0.0 48.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 4.880 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX018941.D

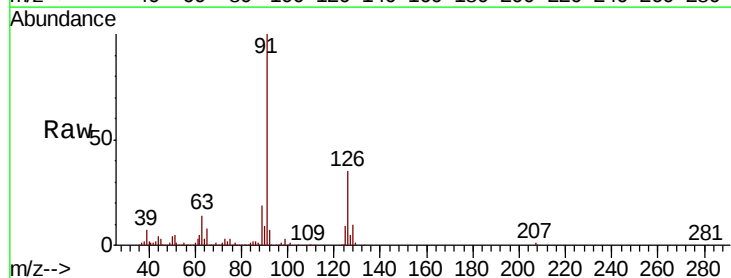
Acq: 15 Oct 2020 18:44

Tgt Ion: 91 Resp: 45249

Ion Ratio Lower Upper

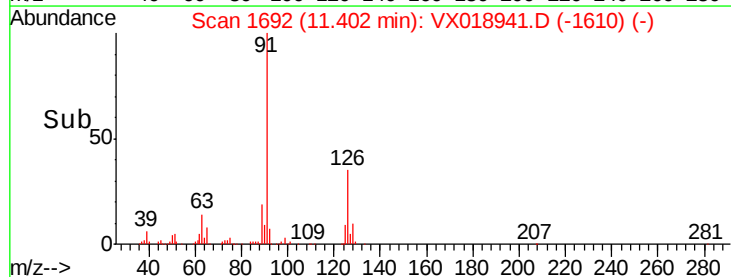
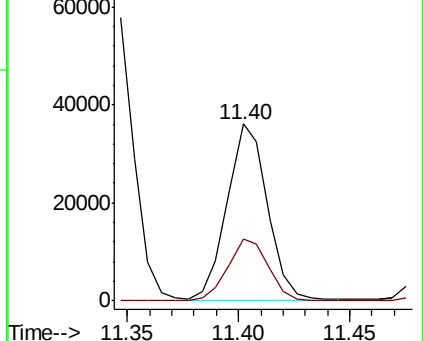
91 100

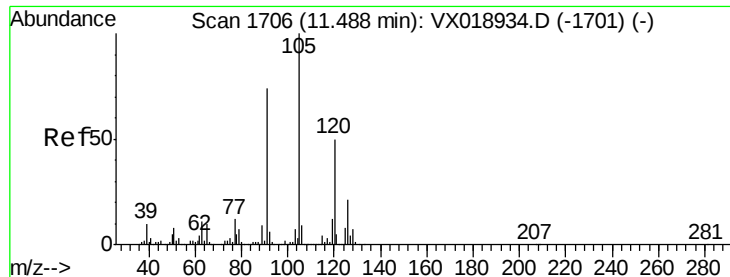
126 35.5 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



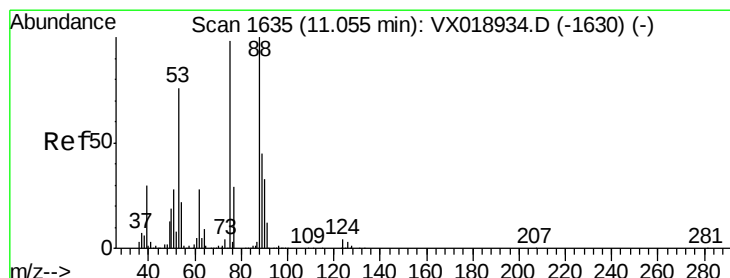
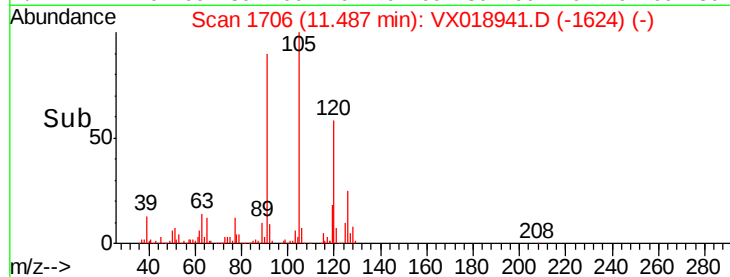
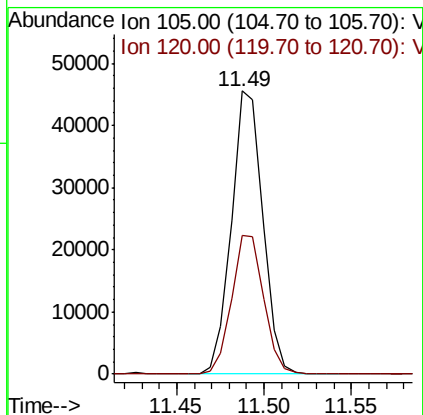
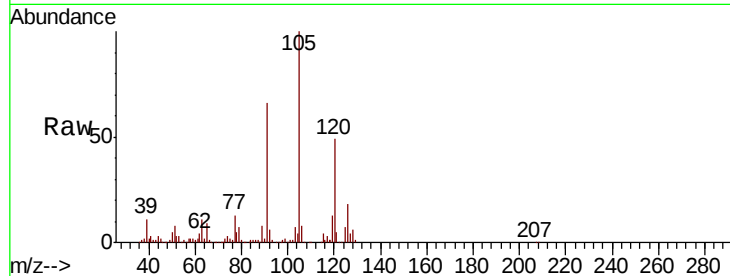


#76

1,3,5-Trimethylbenzene
Concen: 4.845 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

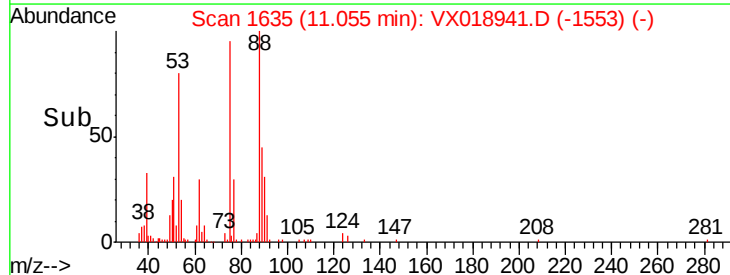
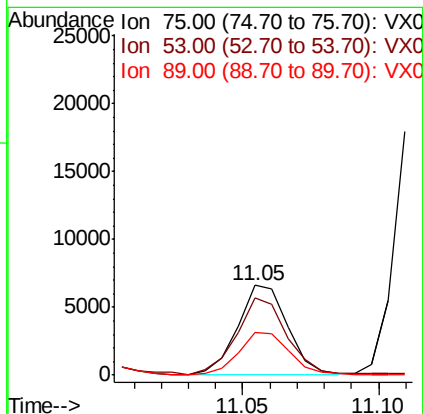
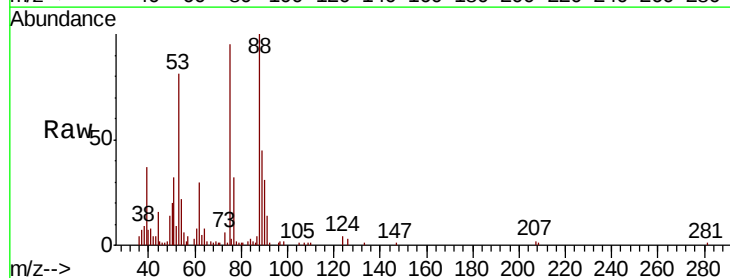
Tot Ion:105 Resp: 57139
Ion Ratio Lower Upper
105 100
120 49.9 0.0 101.6

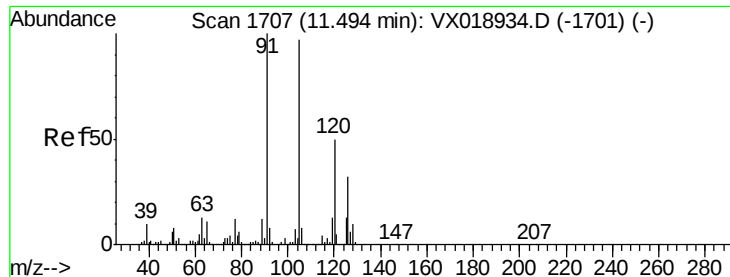


#77

t-1,4-Dichloro-2-butene
Concen: 4.786 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion: 75 Resp: 8492
Ion Ratio Lower Upper
75 100
53 86.0 38.8 116.3
89 47.2 22.9 68.8

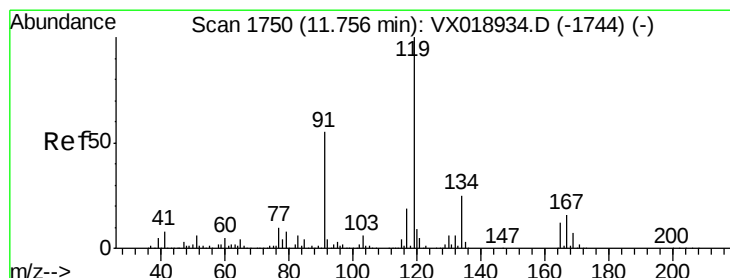
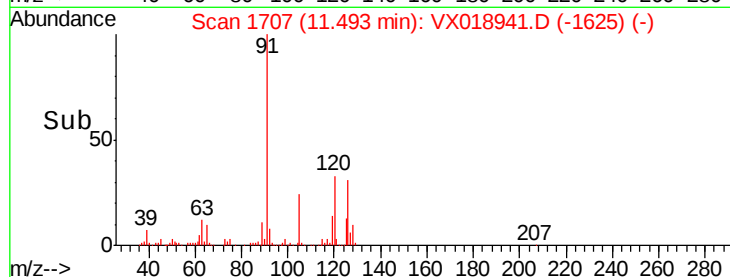
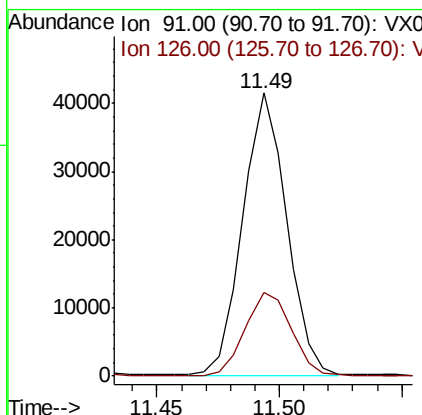
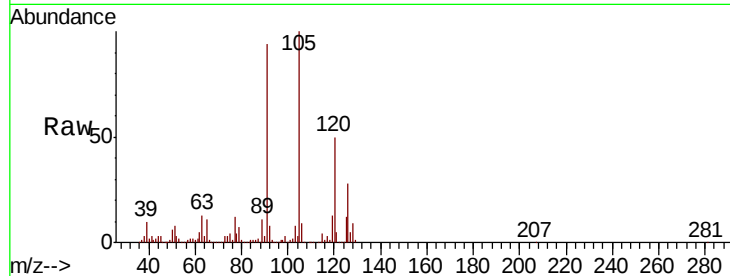




#78
4-Chlorotoluene
Concen: 4.716 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

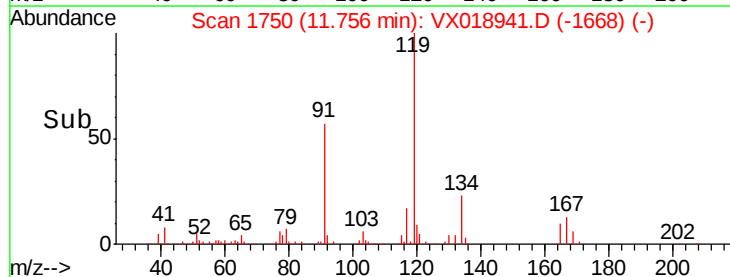
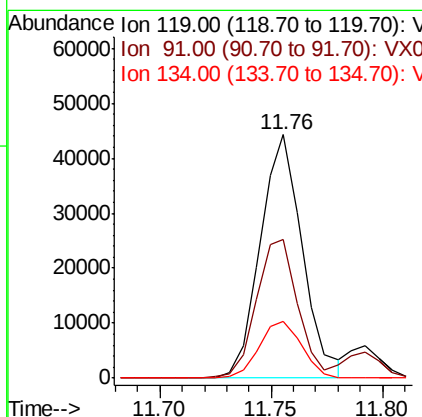
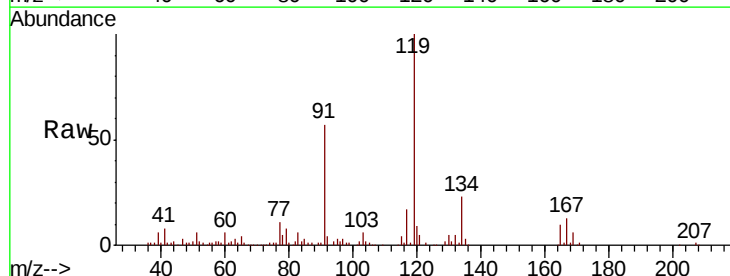
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

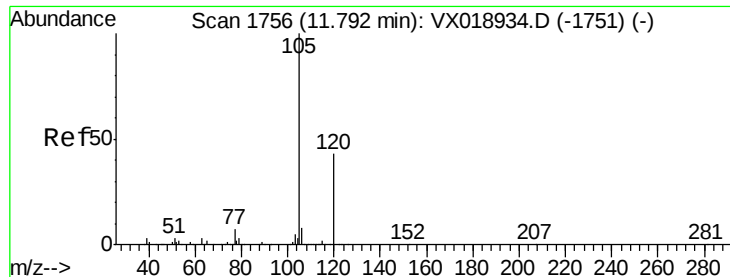
Tot Ion: 91 Resp: 51493
Ion Ratio Lower Upper
91 100
126 31.6 0.0 63.6



#79
tert-butylbenzene
Concen: 4.880 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion: 119 Resp: 58291
Ion Ratio Lower Upper
119 100
91 55.3 0.0 110.0
134 23.4 0.0 47.4

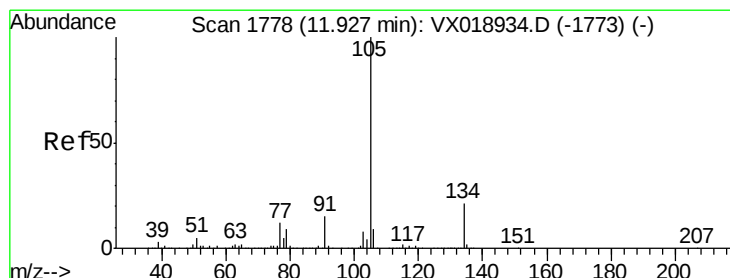
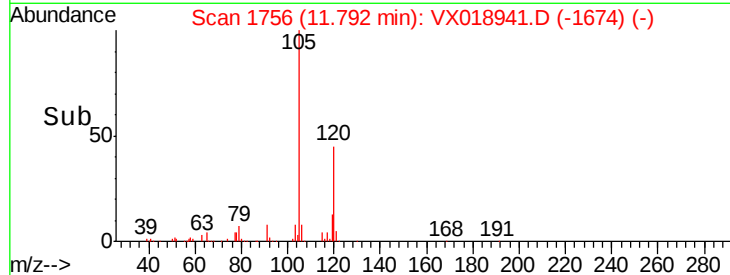
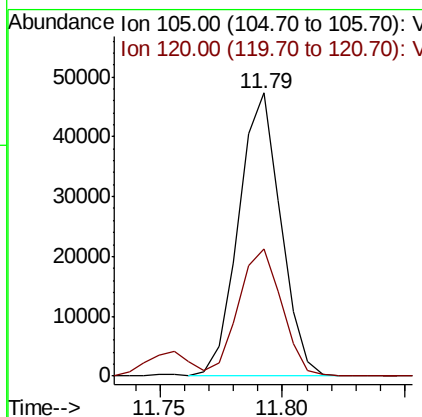
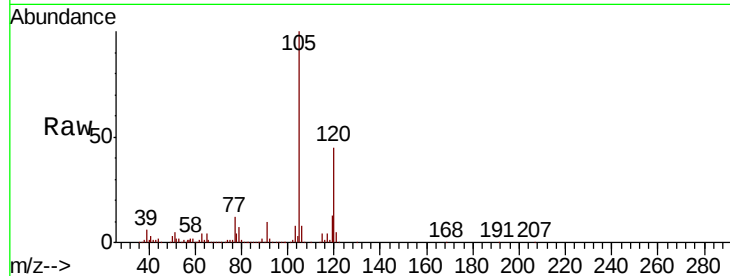




#80
 1,2,4-Trimethylbenzene
 Concen: 4.812 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

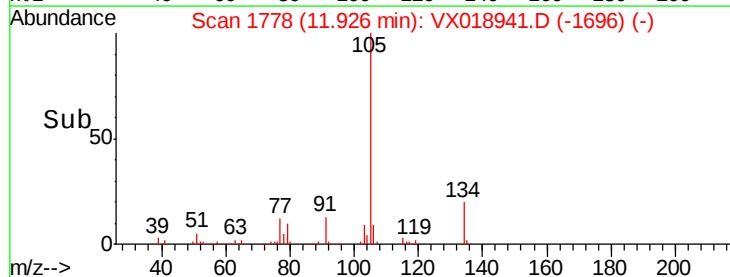
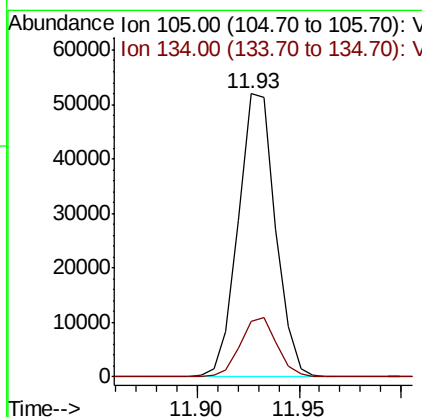
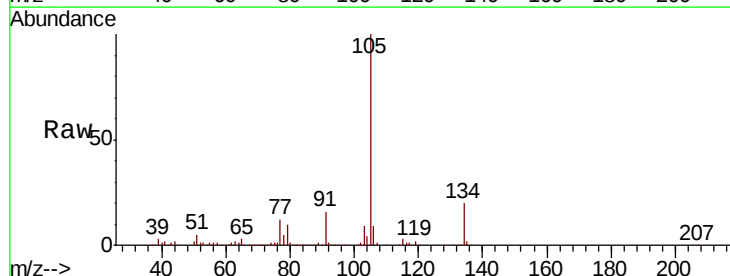
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

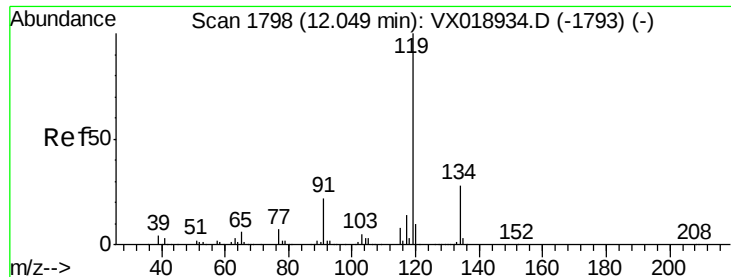
Tot Ion:105 Resp: 56548
 Ion Ratio Lower Upper
 105 100
 120 46.4 0.0 93.0



#81
 sec-Butylbenzene
 Concen: 4.815 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Tgt Ion:105 Resp: 65950
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 42.6

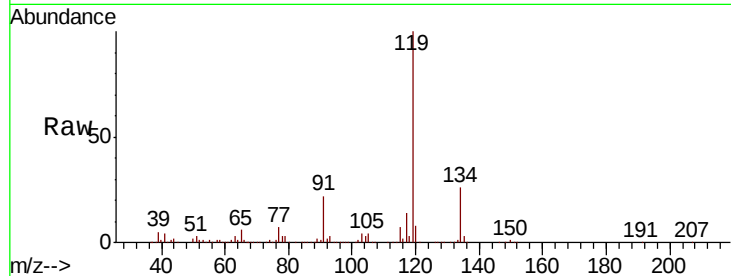




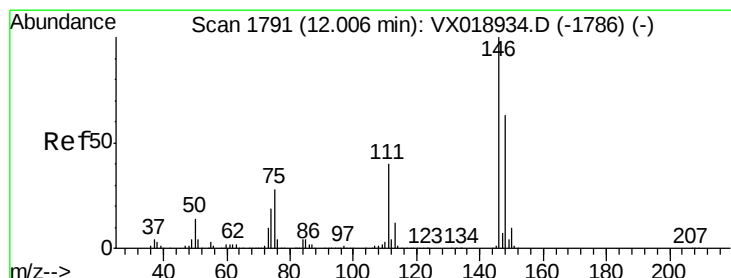
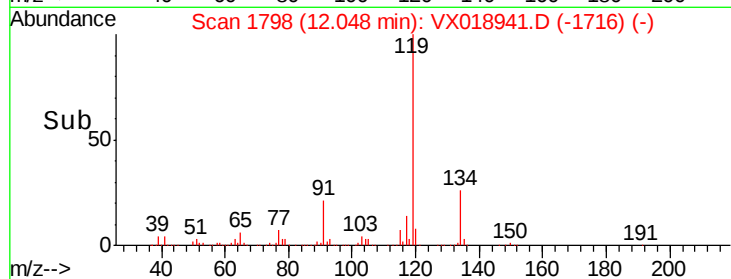
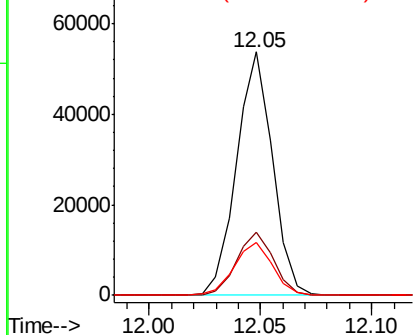
#82
p-Isopropyltoluene
Concen: 4.719 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:119 Resp: 60262
Ion Ratio Lower Upper
119 100
134 26.8 0.0 54.8
91 22.9 0.0 45.4

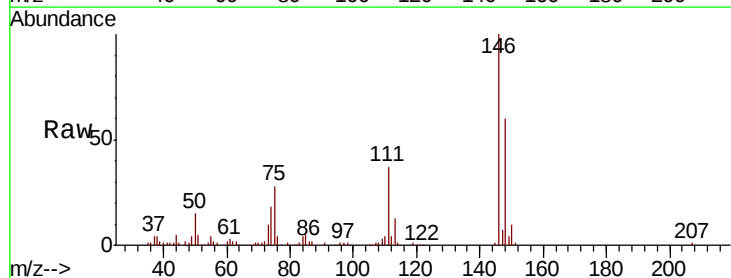


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

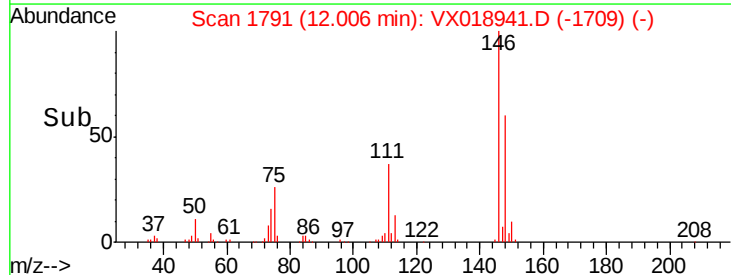
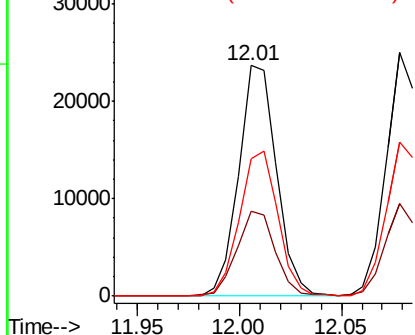


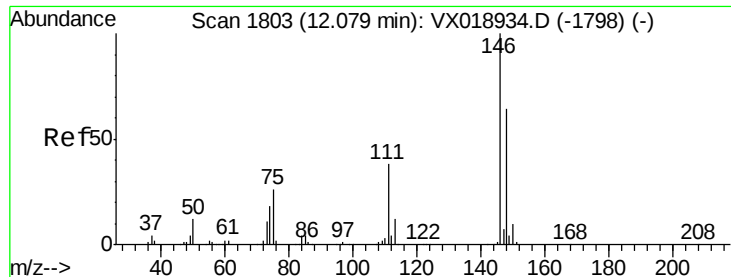
#83
1,3-Dichlorobenzene
Concen: 4.743 ug/l
RT: 12.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion:146 Resp: 30597
Ion Ratio Lower Upper
146 100
111 37.7 19.9 59.7
148 63.5 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

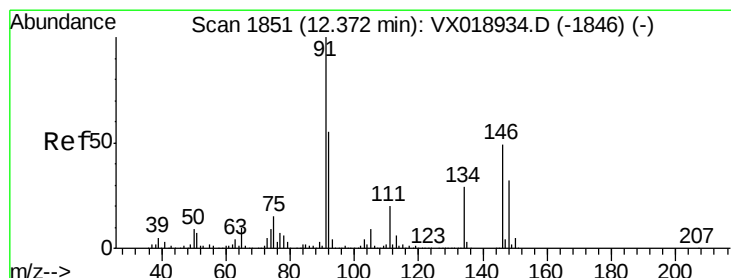
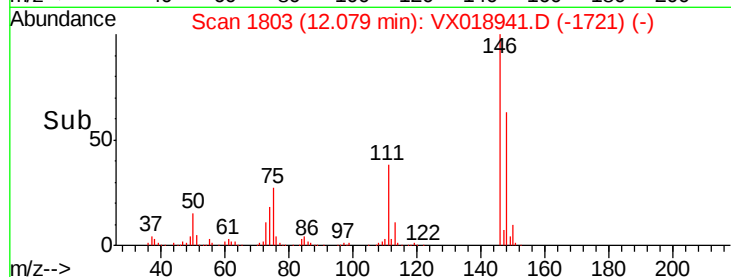
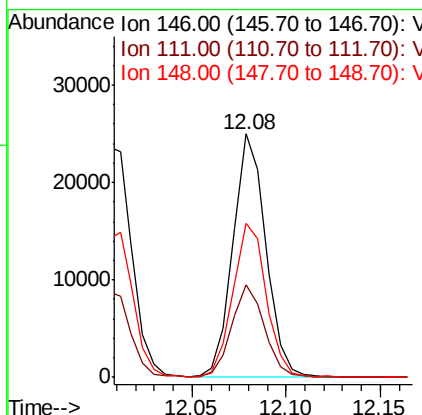
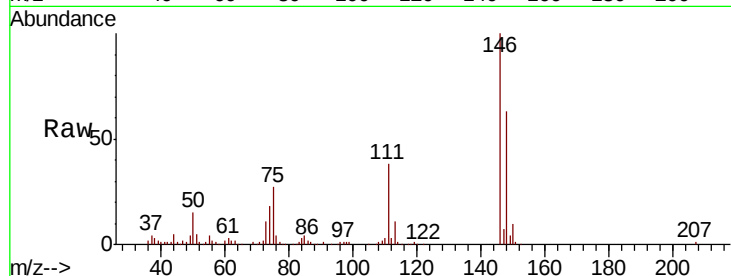




#84
 1,4-Dichlorobenzene
 Concen: 4.668 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

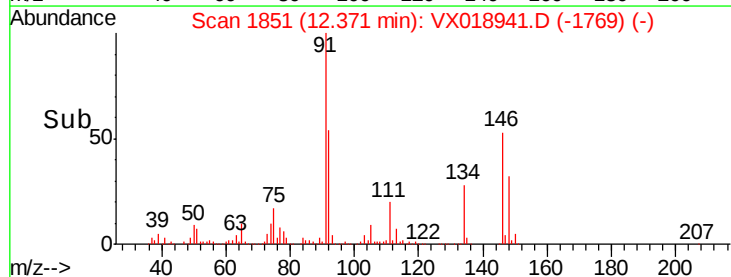
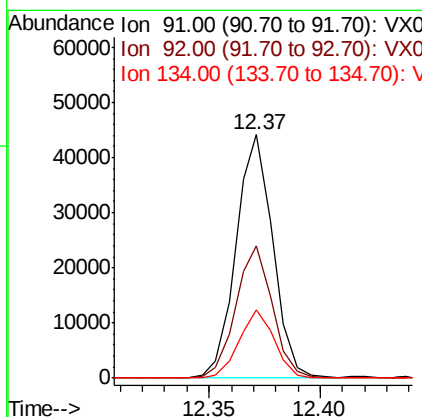
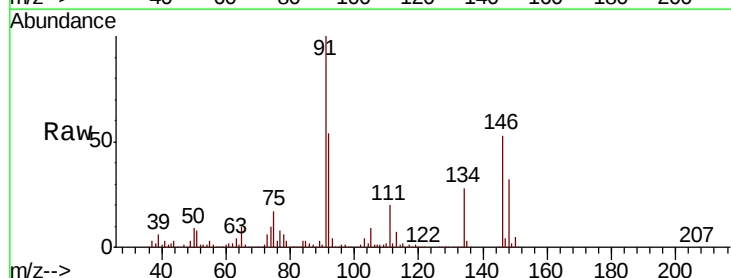
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

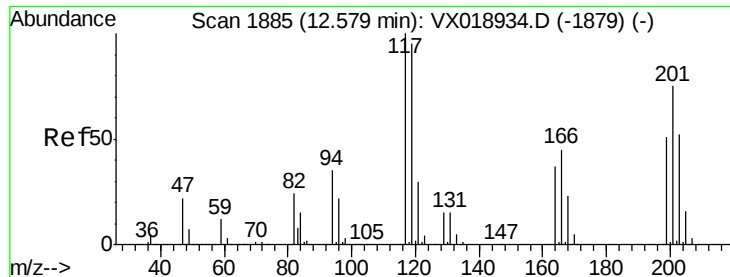
Tot Ion:146 Resp: 30355
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 64.1 32.1 96.5



#85
 n-Butylbenzene
 Concen: 4.412 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Tgt Ion: 91 Resp: 50417
 Ion Ratio Lower Upper
 91 100
 92 54.4 0.0 109.6
 134 27.2 0.0 56.4





#86

Hexachloroethane

Concen: 4.941 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

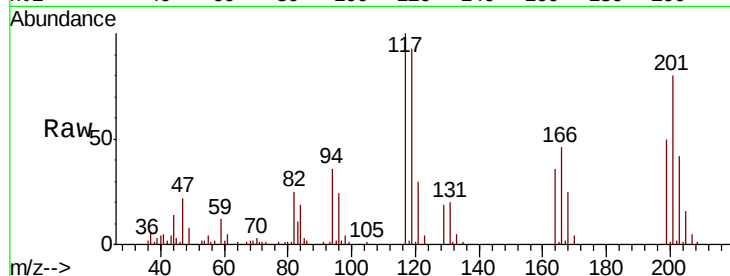
LOQ-WATER-02-QT4-2020

Tot Ion:117 Resp: 10704

Ion Ratio Lower Upper

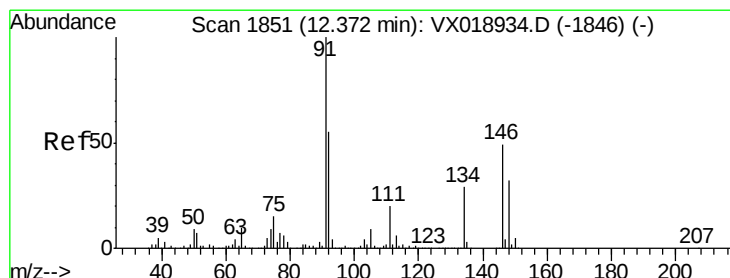
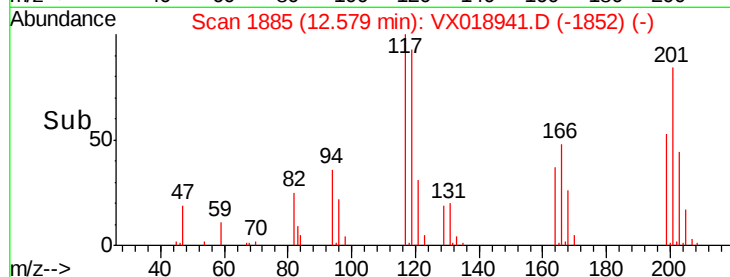
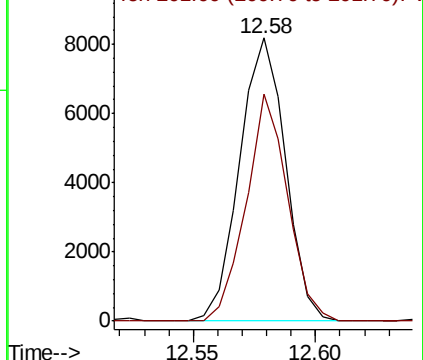
117 100

201 72.8 38.9 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 4.698 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX018941.D

Acq: 15 Oct 2020 18:44

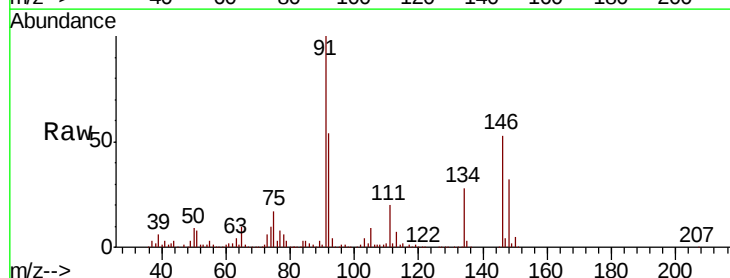
Tgt Ion:146 Resp: 29341

Ion Ratio Lower Upper

146 100

111 41.0 19.9 59.6

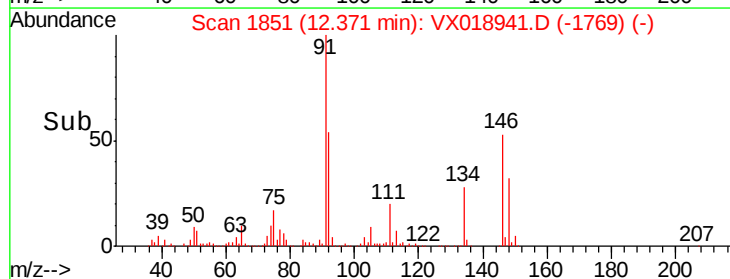
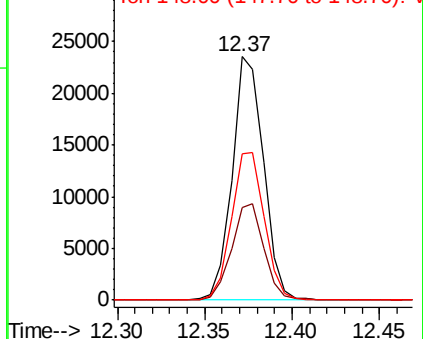
148 63.7 31.9 95.7

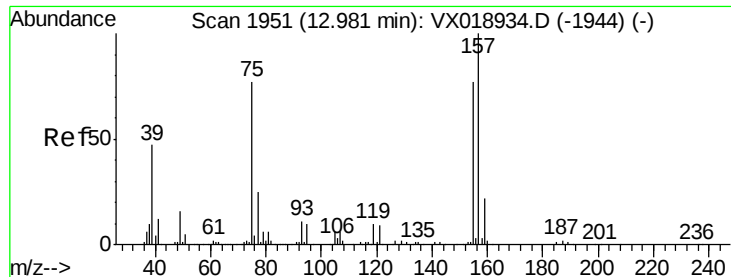


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

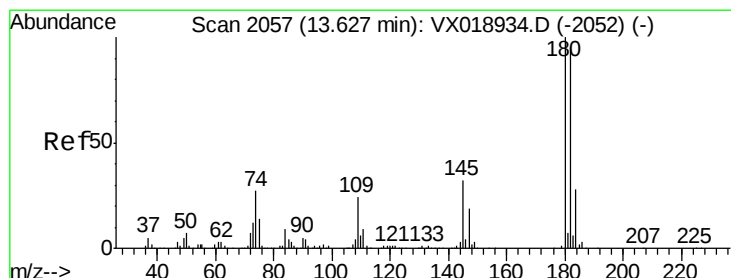
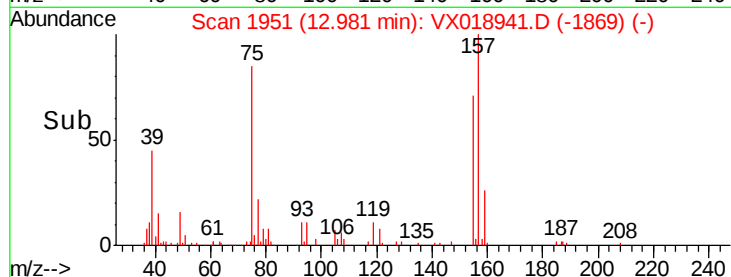
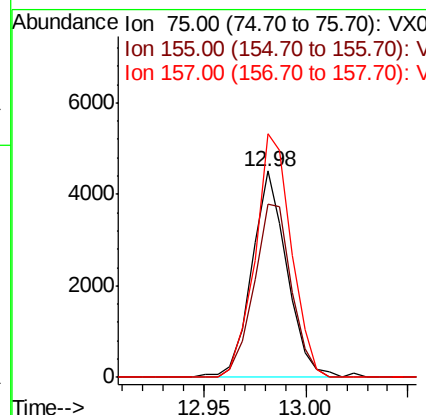
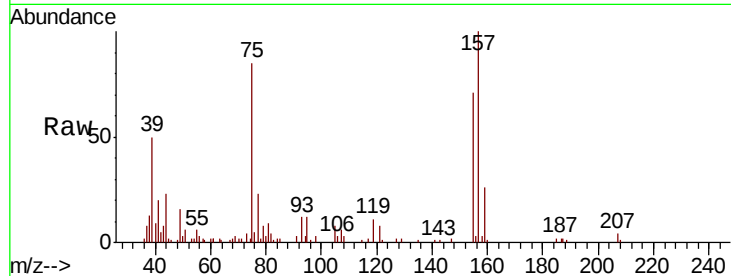




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.082 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

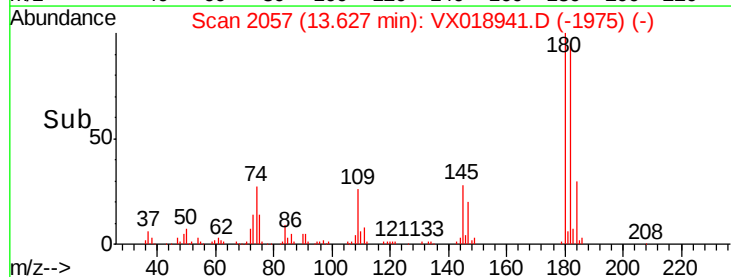
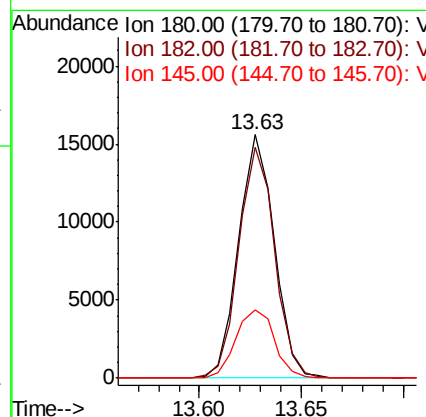
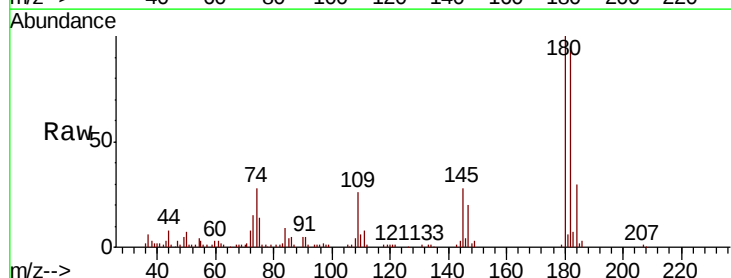
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

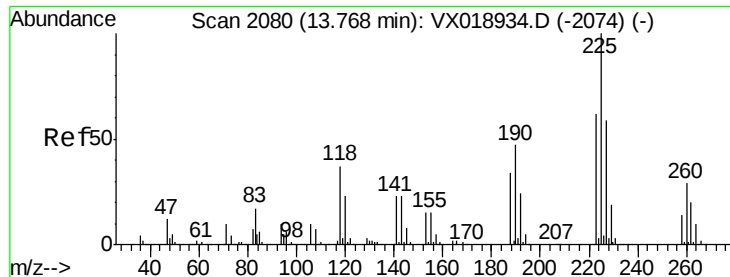
Tot Ion: 75 Resp: 5397
 Ion Ratio Lower Upper
 75 100
 155 90.2 79.3 118.9
 157 121.7 104.2 156.4



#89
 1,2,4-Trichlorobenzene
 Concen: 4.153 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Tgt Ion: 180 Resp: 18940
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.4 113.2
 145 30.2 24.8 37.2

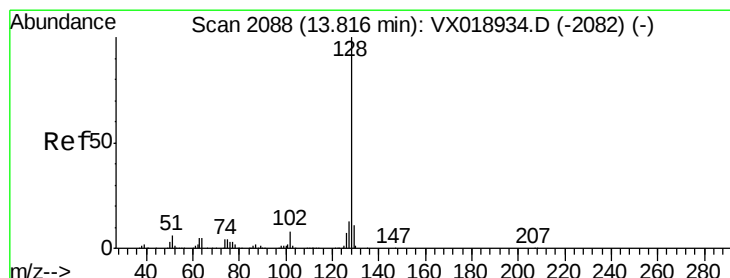
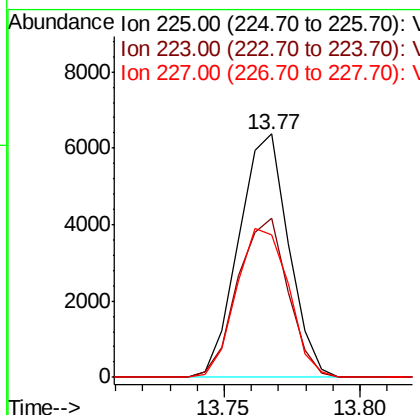
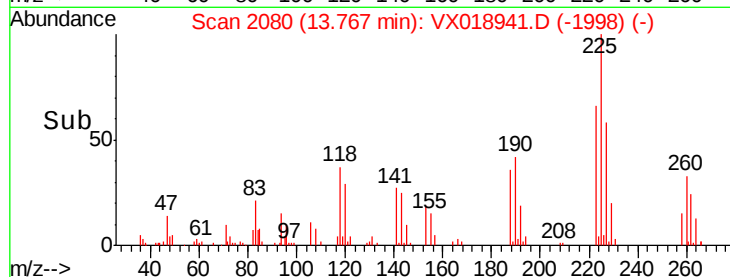
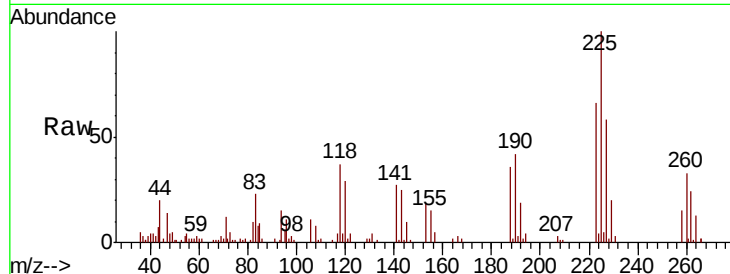




#90
Hexachlorobutadiene
Concen: 4.265 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

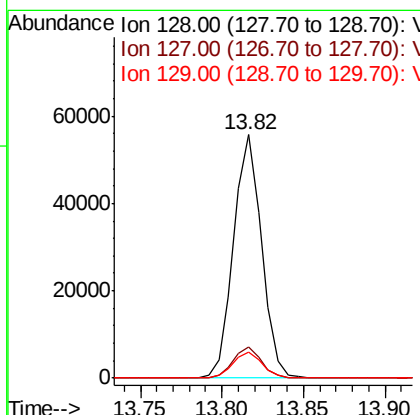
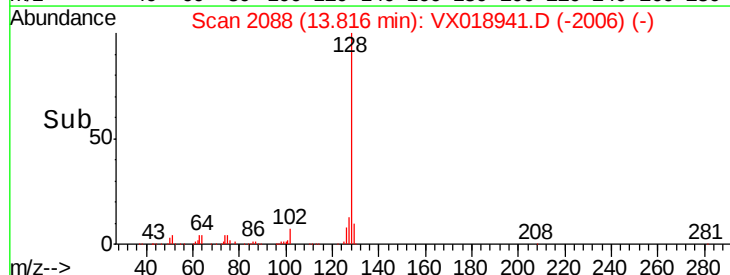
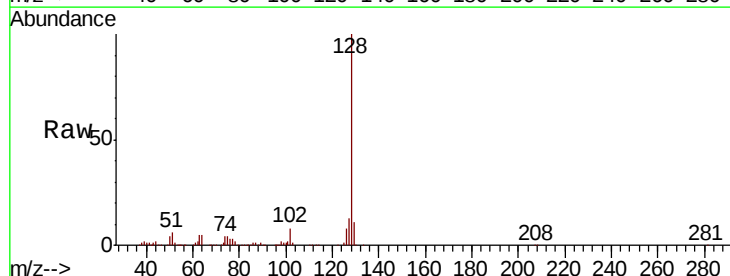
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

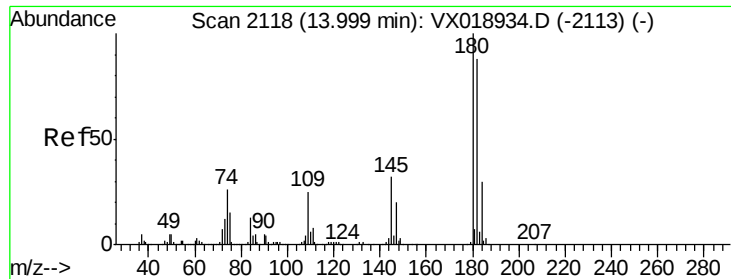
Tot Ion:225 Resp: 8124
Ion Ratio Lower Upper
225 100
223 65.7 0.0 128.8
227 63.9 0.0 123.2



#91
Naphthalene
Concen: 4.501 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018941.D
Acq: 15 Oct 2020 18:44

Tgt Ion:128 Resp: 66933
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.1 8.7 13.1





#92
 1,2,3-Trichlorobenzene
 Concen: 4.316 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX018941.D
 Acq: 15 Oct 2020 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	0.0	190.8
145	32.7	0.0	64.4

