

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019076.D
 Acq On : 23 Oct 2020 13:40
 Operator : JC/SP
 Sample : L4214-08 5.0PPB LOO
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 26 04:14:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	44123	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	243899	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	224598	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	90058	30.64	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.13%
60) 4-Bromofluorobenzene	11.12	95	98456	29.21	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.37%
63) Toluene-d8	8.70	98	297986	30.05	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	11958	5.393	ug/l 99
3) Chloromethane	1.31	50	12051	6.015	ug/l 95
4) Vinyl Chloride	1.39	62	14118	5.376	ug/l 96
5) Bromomethane	1.64	94	13025	7.162	ug/l 99
6) Chloroethane	1.72	64	9903	5.565	ug/l 97
7) Trichlorofluoromethane	1.92	101	24432	5.343	ug/l 99
8) Diethyl Ether	2.17	74	9614	5.609	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	11984	5.485	ug/l 99
10) 1,1-Dichloroethene	2.36	96	11924	5.368	ug/l 96
11) Methyl Iodide	2.49	142	7214	9.813	ug/l 97
12) Methyl Acetate	2.75	43	11708	5.325	ug/l 99
13) Acrolein	2.28	56	8786	43.396	ug/l 98
14) Acrylonitrile	3.12	53	28878	27.956	ug/l 99
15) Acetone	2.42	58	8978	30.340	ug/l 92
16) Carbon Disulfide	2.55	76	33116	5.364	ug/l 98
17) Allyl chloride	2.71	41	14587	5.258	ug/l 95
18) Methylene Chloride	2.84	84	14033	5.540	ug/l 97
19) trans-1,2-Dichloroethene	3.14	96	13291	5.123	ug/l 97
20) Diisopropyl ether	3.82	45	30360	5.402	ug/l 95
21) 1,1-Dichloroethane	3.67	63	22229	5.387	ug/l 98
22) cis-1,2-Dichloroethene	4.56	96	15810	5.261	ug/l 98
23) tert-Butyl Alcohol	3.02	59	14336	28.626	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	37406	5.326	ug/l 97
25) Chloroform	5.18	83	24565	5.373	ug/l 99
26) Cyclohexane	5.55	56	16409	5.117	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	18140	5.272	ug/l 99
30) 2-Butanone	4.64	43	39808	29.041	ug/l 99
31) 2,2-Dichloropropane	4.55	77	20191	5.129	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	21887	5.292	ug/l 98
33) Carbon Tetrachloride	5.76	117	18013	5.019	ug/l 98
34) Benzene	6.11	78	55243	5.457	ug/l 98
35) Methacrylonitrile	5.00	41	8383	5.649	ug/l 88
37) Trichloroethene	7.19	130	15277	5.250	ug/l 99
38) Methylcyclohexane	7.44	83	20408	5.291	ug/l 99
39) 1,2-Dichloropropane	7.49	63	12626	5.373	ug/l 96
40) Dibromomethane	7.63	93	10030	5.499	ug/l 99
41) Bromodichloromethane	7.87	83	18439	5.114	ug/l 99

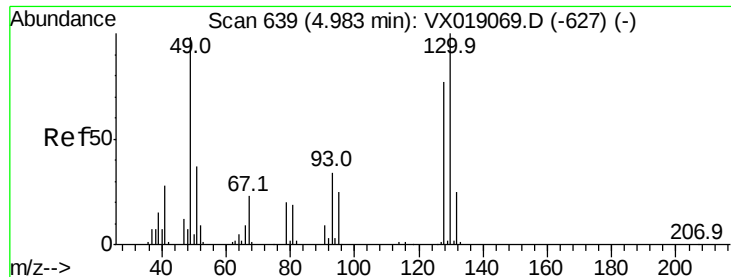
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019076.D
 Acq On : 23 Oct 2020 13:40
 Operator : JC/SP
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 LOQ-WATER-02-QT4-2020

Quant Time: Oct 26 04:14:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	3.78	43	140902	26.418	ug/l	100
44) Isopropyl Acetate	6.41	43	26260	5.454	ug/l	99
45) 1,4-Dioxane	7.73	88	5584	110.328	ug/l	97
46) Methyl methacrylate	7.74	41	12138	5.326	ug/l	96
47) n-amyl Acetate	10.88	43	19723	5.106	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	20254	5.017	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	21914	5.101	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	13663	5.172	ug/l	96
51) Ethyl methacrylate	9.16	69	20194	5.239	ug/l	98
52) 1,3-Dichloropropane	9.35	76	23541	5.470	ug/l	99
53) Dibromochloromethane	9.56	129	14873	5.058	ug/l	97
54) 1,2-Dibromoethane	9.65	107	15145	5.276	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	52692	25.579	ug/l	99
56) Bromoform	10.84	173	9482	4.612	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	78468	27.704	ug/l	99
59) 2-Hexanone	9.47	43	59018	27.963	ug/l	100
61) Tetrachloroethene	9.32	164	14171	5.318	ug/l	89
62) Toluene	8.76	91	63159	5.351	ug/l	98
64) Chlorobenzene	10.12	112	38837	5.293	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	13649	5.115	ug/l	99
66) Ethyl Benzene	10.23	91	69240	5.350	ug/l	100
67) m/p-Xylenes	10.34	106	50276	10.187	ug/l	98
68) o-Xylene	10.68	106	24099	5.120	ug/l	97
69) Styrene	10.70	104	38881	4.903	ug/l	100
70) Isopropylbenzene	11.00	105	66224	5.232	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	18806	5.147	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	22279	6.780	ug/l	87
73) Bromobenzene	11.24	156	15521	5.018	ug/l	97
74) n-propylbenzene	11.34	91	73602	5.136	ug/l	100
75) 2-Chlorotoluene	11.40	91	43178	5.327	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	52554	5.117	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	6287	4.818	ug/l	97
78) 4-Chlorotoluene	11.49	91	48922	5.136	ug/l	99
79) tert-butylbenzene	11.76	119	51318	5.074	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	52077	5.101	ug/l	100
81) sec-Butylbenzene	11.93	105	62326	5.208	ug/l	99
82) p-Isopropyltoluene	12.05	119	54373	4.930	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	27707	5.012	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	27706	4.936	ug/l	98
85) n-Butylbenzene	12.37	91	48294	4.891	ug/l	98
86) Hexachloroethane	12.58	117	7787	4.597	ug/l	96
87) 1,2-Dichlorobenzene	12.37	146	26616	5.029	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	4097	4.954	ug/l	94
89) 1,2,4-Trichlorobenzene	13.63	180	17614	4.625	ug/l	99
90) Hexachlorobutadiene	13.76	225	7770	4.811	ug/l	98
91) Naphthalene	13.82	128	55374	4.441	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	17546	4.789	ug/l	99

(#) = 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. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

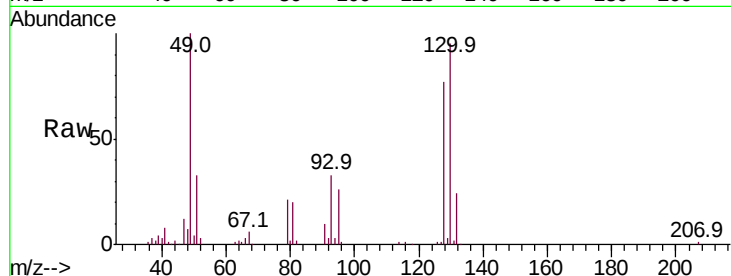
Tot Ion:128 Resp: 44123

Ion Ratio Lower Upper

128 100

49 130.3 0.0 318.8

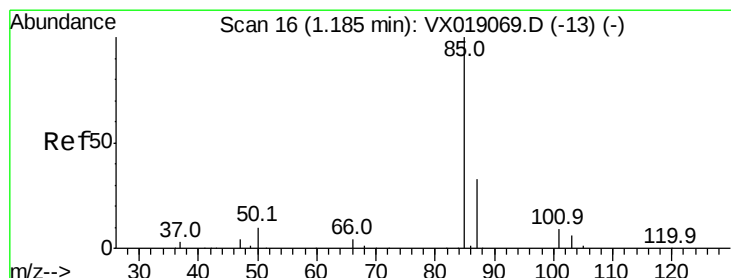
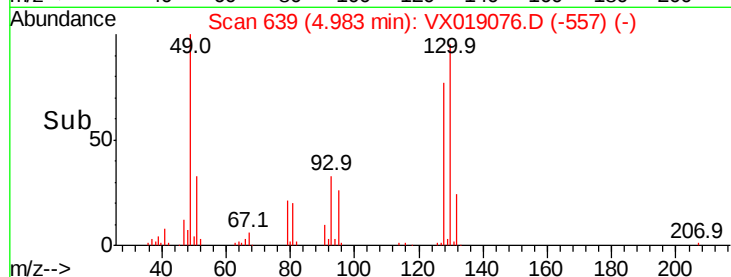
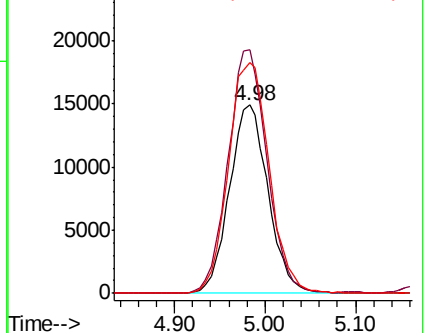
130 129.3 0.0 321.8



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: 5.393 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019076.D

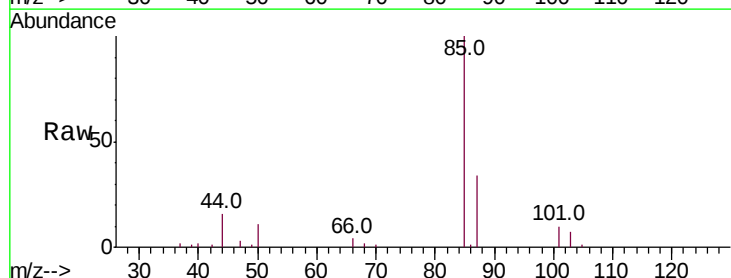
Acq: 23 Oct 2020 13:40

Tgt Ion: 85 Resp: 11958

Ion Ratio Lower Upper

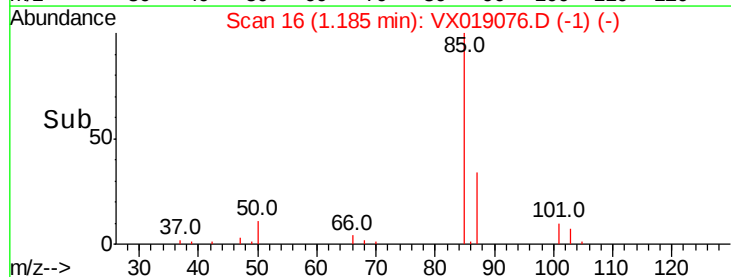
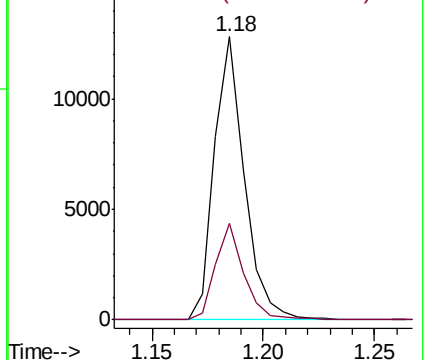
85 100

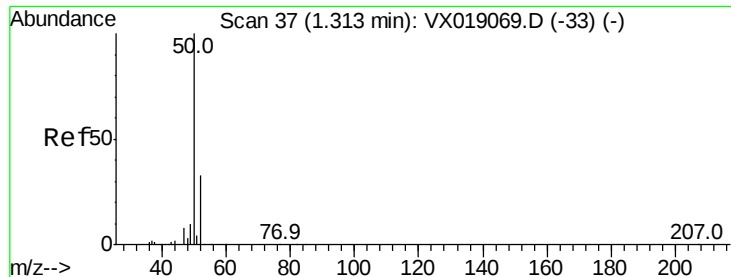
87 33.9 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 6.015 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

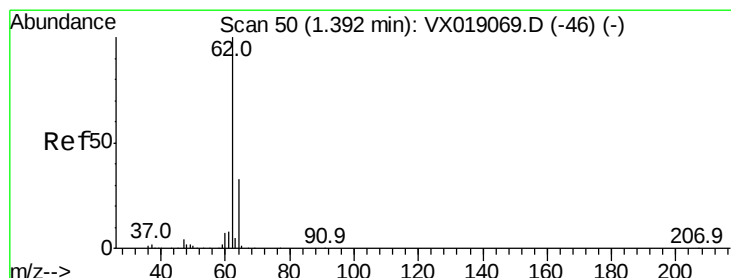
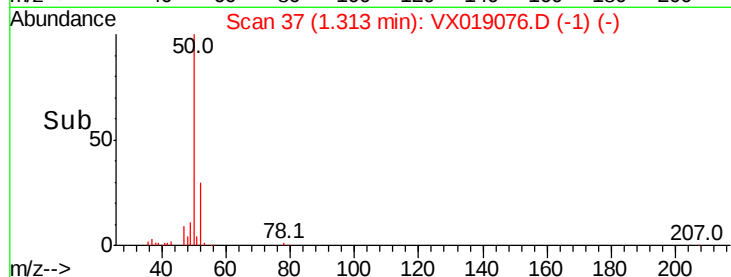
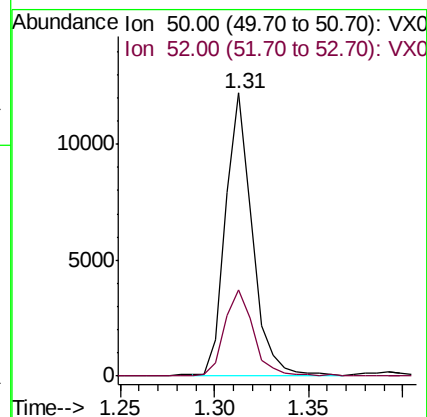
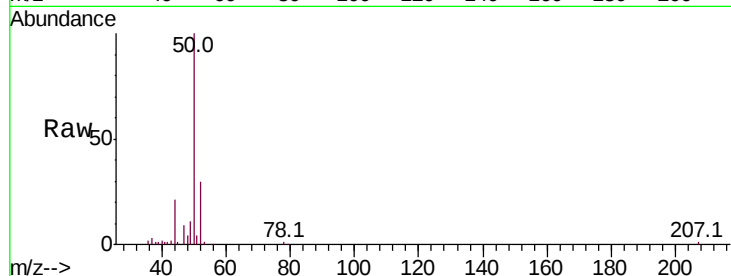
LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 12051

Ion Ratio Lower Upper

50 100

52 30.3 26.7 40.1



#4

Vinyl Chloride

Concen: 5.376 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019076.D

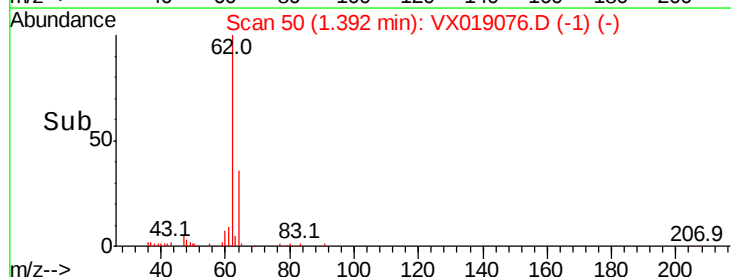
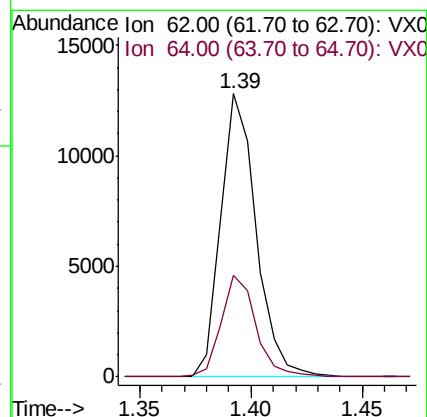
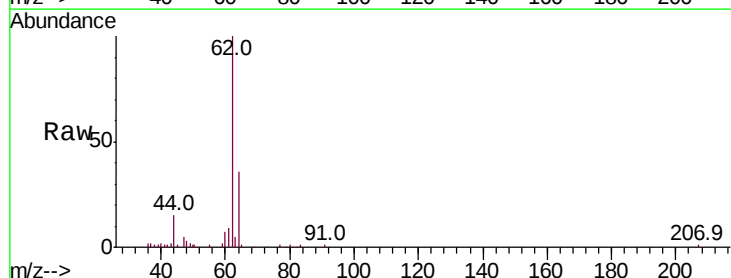
Acq: 23 Oct 2020 13:40

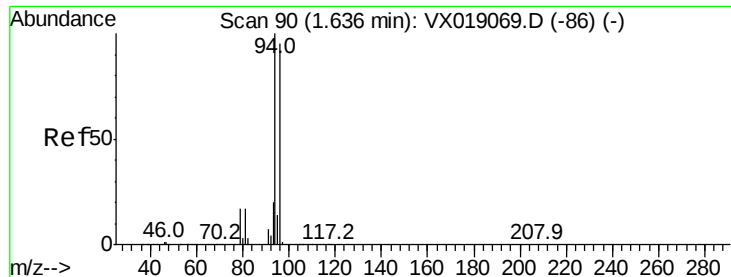
Tgt Ion: 62 Resp: 14118

Ion Ratio Lower Upper

62 100

64 35.9 26.7 40.1





#5

Bromomethane

Concen: 7.162 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

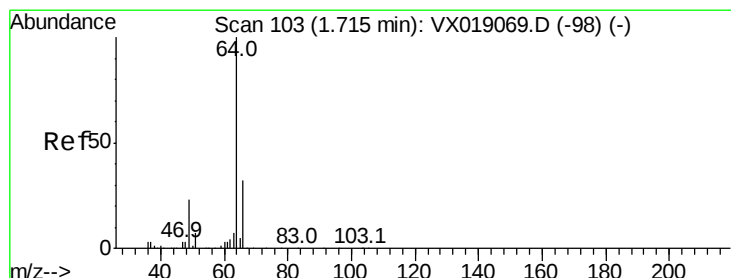
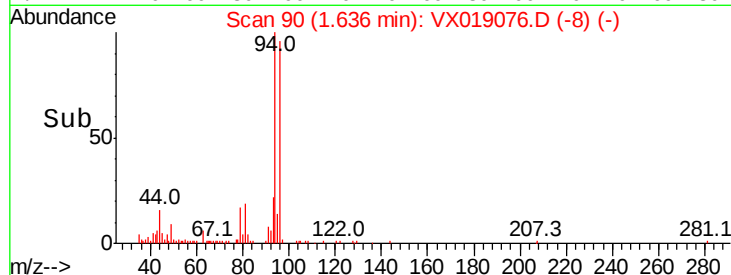
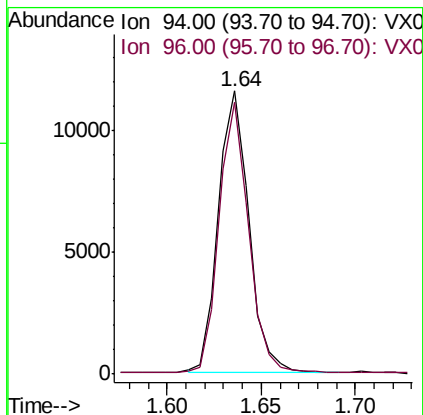
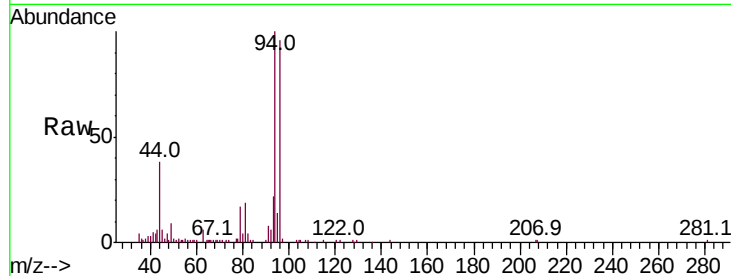
LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 13025

Ion Ratio Lower Upper

94 100

96 96.3 76.2 114.2



#6

Chloroethane

Concen: 5.565 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019076.D

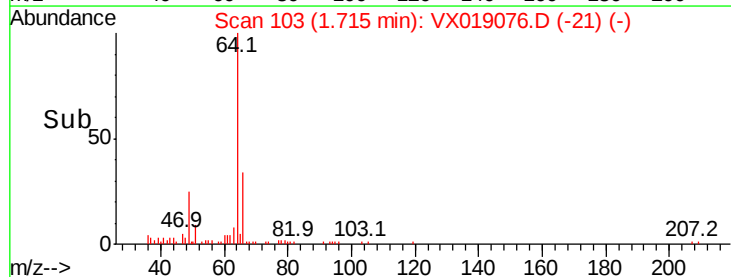
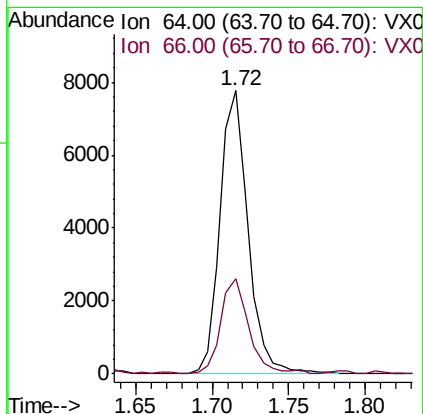
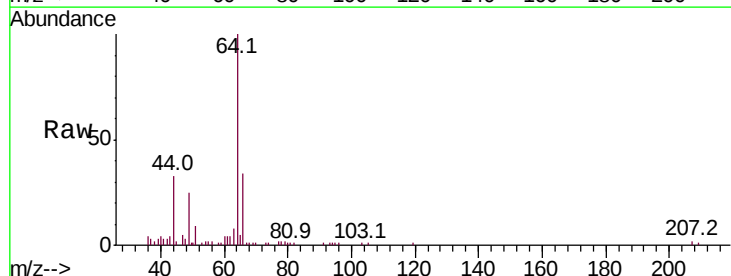
Acq: 23 Oct 2020 13:40

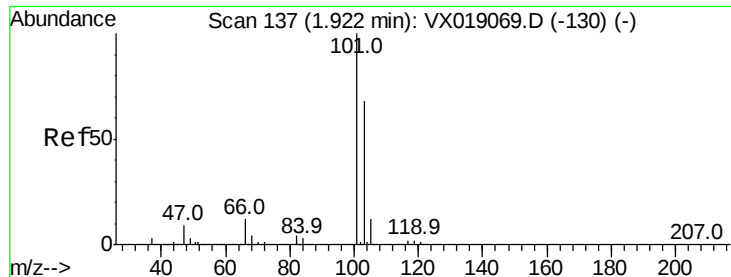
Tgt Ion: 64 Resp: 9903

Ion Ratio Lower Upper

64 100

66 33.8 25.9 38.9





#7

Trichlorofluoromethane

Concen: 5.343 ug/l

RT: 1.92 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

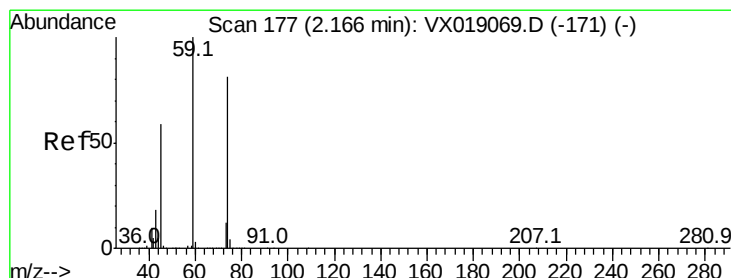
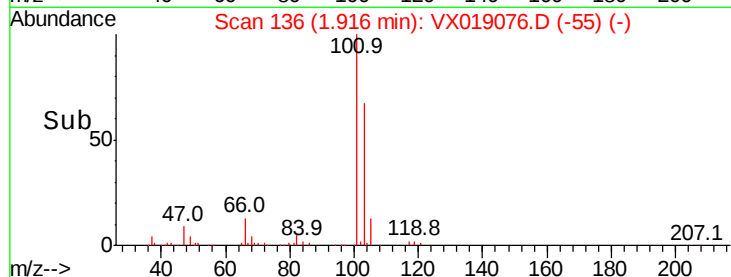
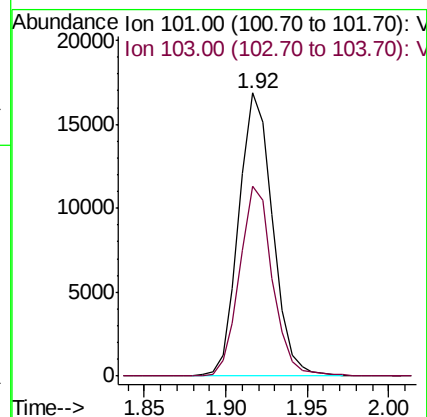
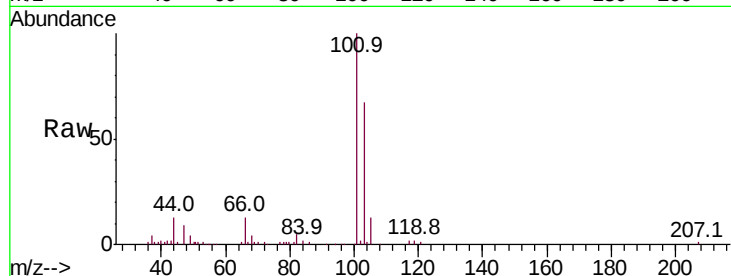
LOQ-WATER-02-QT4-2020

Tot Ion:101 Resp: 24432

Ion Ratio Lower Upper

101 100

103 67.0 54.2 81.4



#8

Diethyl Ether

Concen: 5.609 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX019076.D

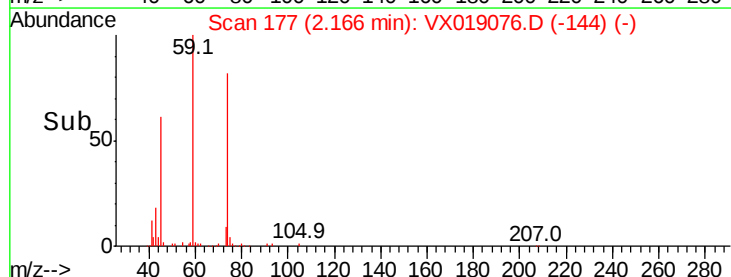
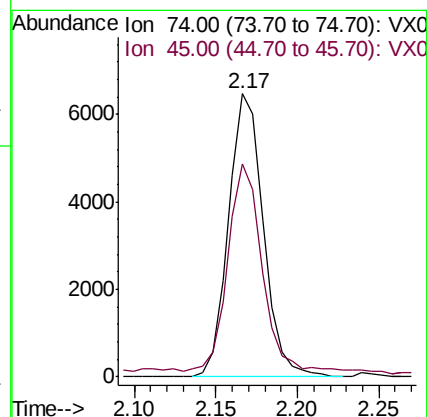
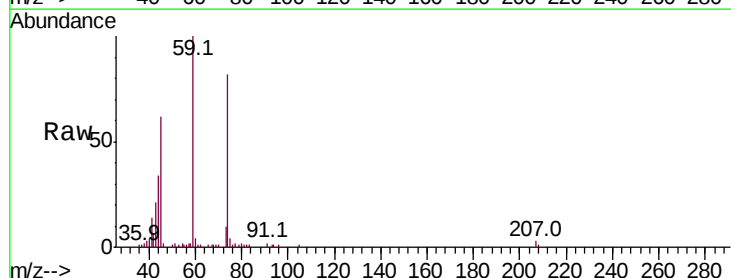
Acq: 23 Oct 2020 13:40

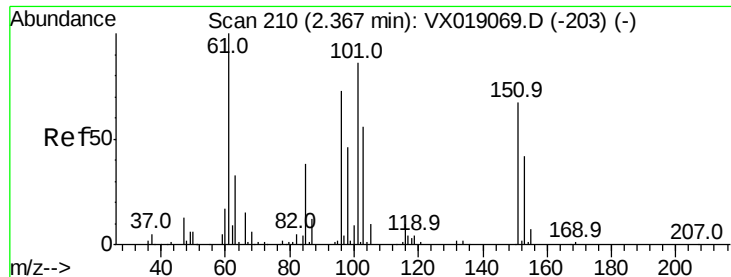
Tgt Ion: 74 Resp: 9614

Ion Ratio Lower Upper

74 100

45 70.1 14.5 130.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.485 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

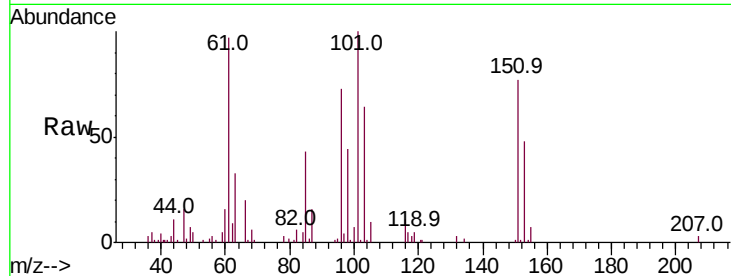
Tot Ion:101 Resp: 11984

Ion Ratio Lower Upper

101 100

85 43.7 0.0 87.0

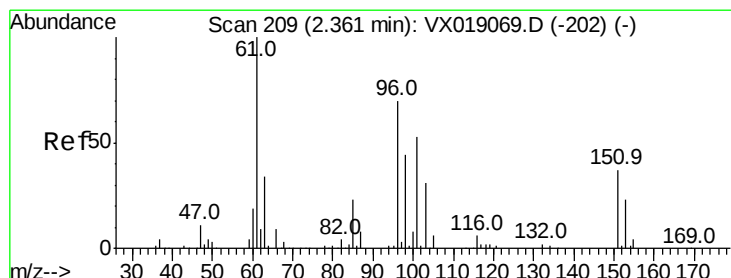
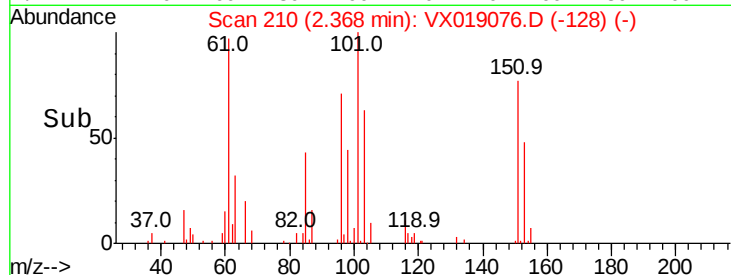
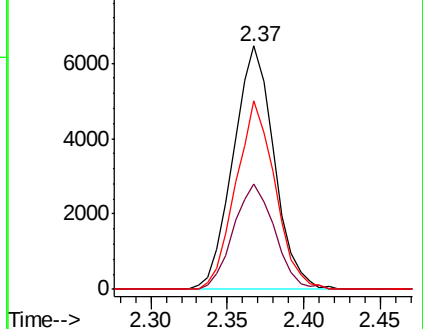
151 74.6 0.0 151.8



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: 5.368 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

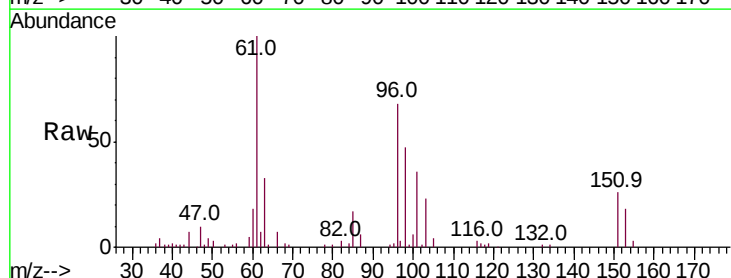
Tgt Ion: 96 Resp: 11924

Ion Ratio Lower Upper

96 100

61 146.5 113.8 170.8

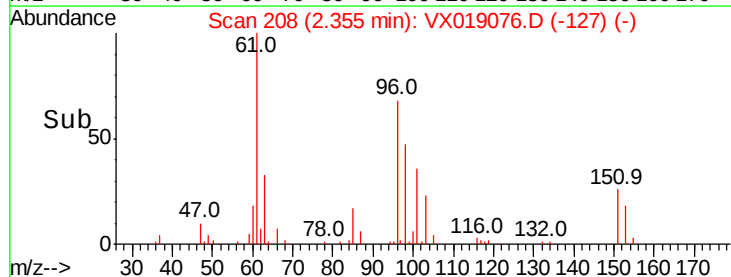
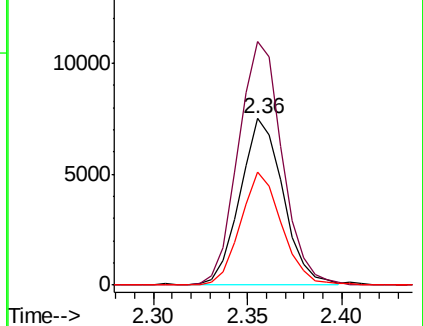
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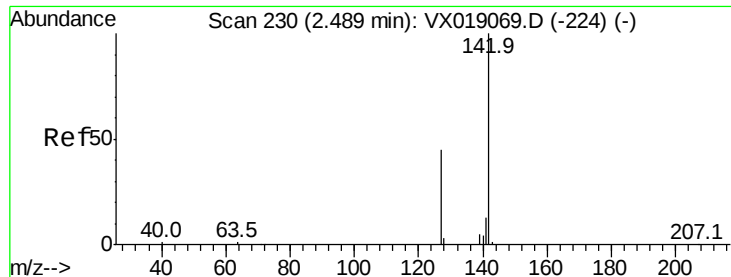


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

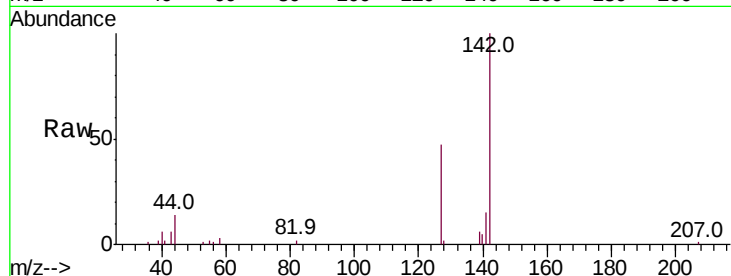




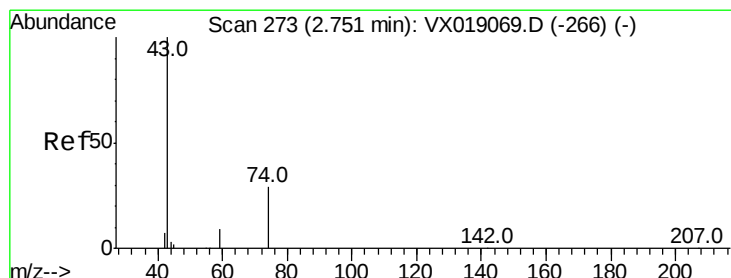
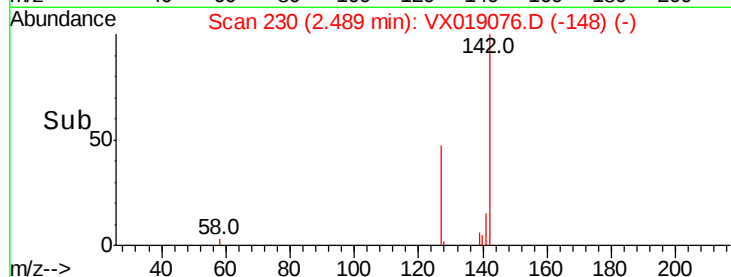
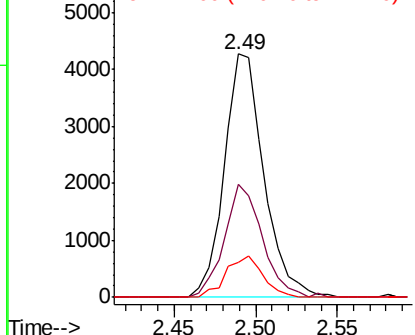
#11
Methyl Iodide
Concen: 9.813 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

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

Tot Ion:142 Resp: 7214
Ion Ratio Lower Upper
142 100
127 46.7 22.6 67.7
141 14.6 6.3 19.1

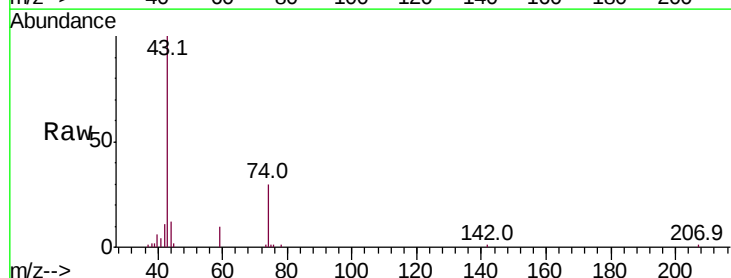


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

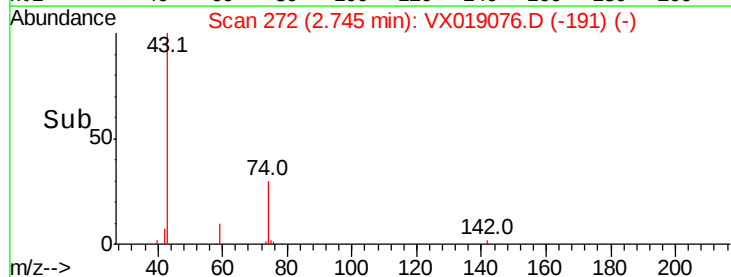
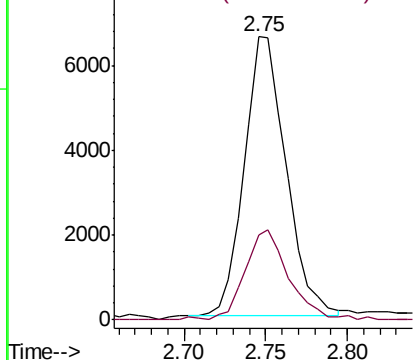


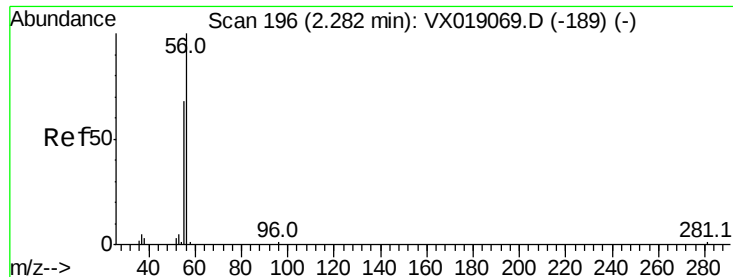
#12
Methyl Acetate
Concen: 5.325 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion: 43 Resp: 11708
Ion Ratio Lower Upper
43 100
74 29.5 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 43.396 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.01 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

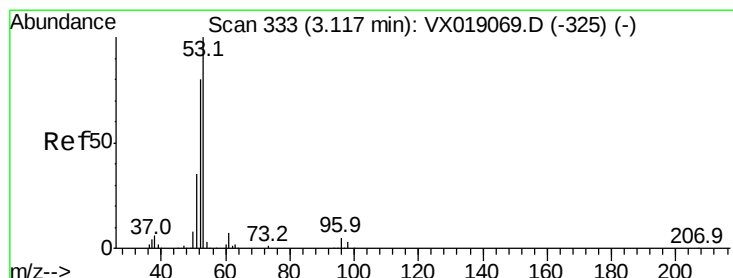
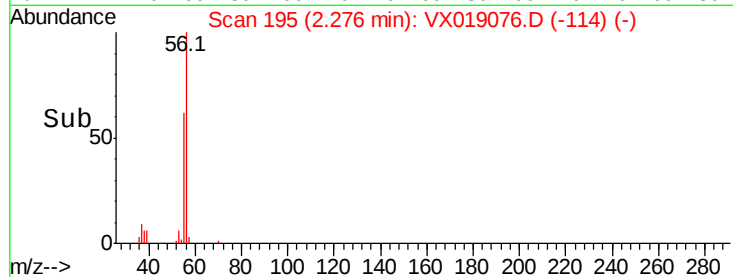
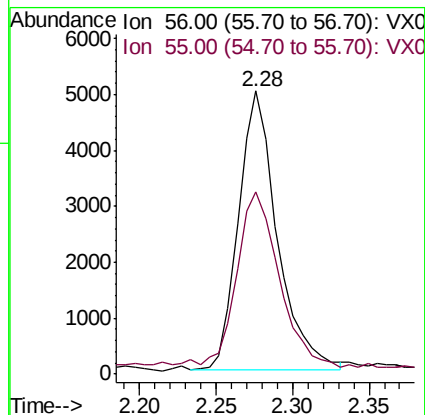
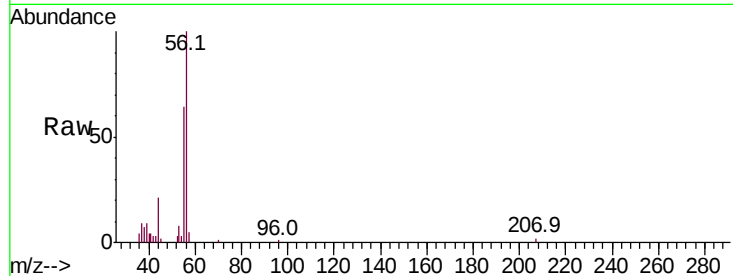
LOQ-WATER-02-QT4-2020

Tot Ion: 56 Resp: 8786

Ion Ratio Lower Upper

56 100

55 70.8 58.2 87.2



#14

Acrylonitrile

Concen: 27.956 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

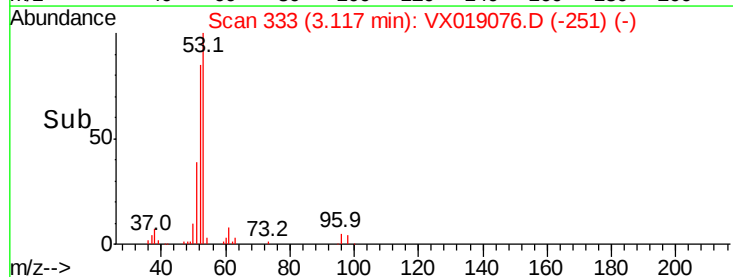
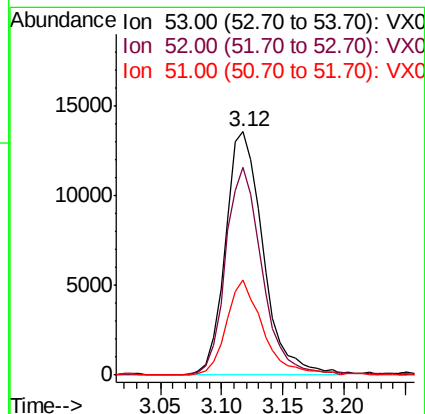
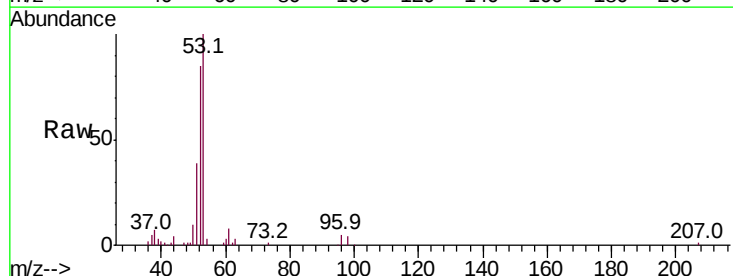
Tgt Ion: 53 Resp: 28878

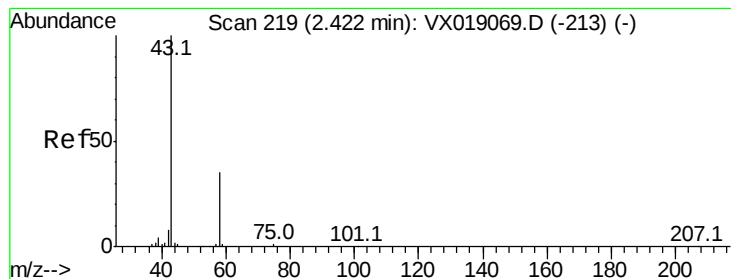
Ion Ratio Lower Upper

53 100

52 82.5 41.0 123.0

51 38.1 18.2 54.6





#15

Acetone

Concen: 30.340 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

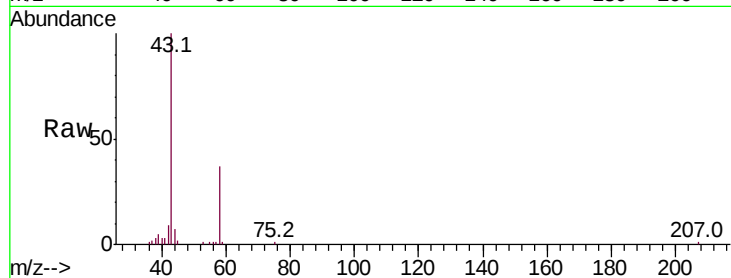
LOQ-WATER-02-QT4-2020

Tot Ion: 58 Resp: 8978

Ion Ratio Lower Upper

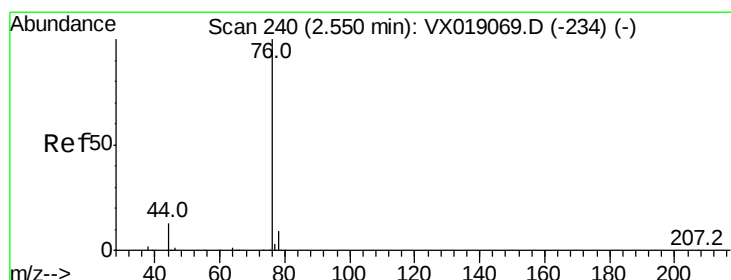
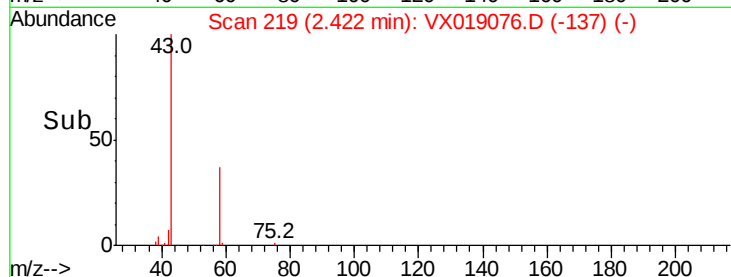
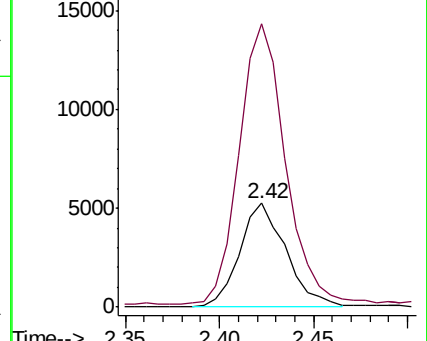
58 100

43 268.6 226.7 340.1



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 5.364 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019076.D

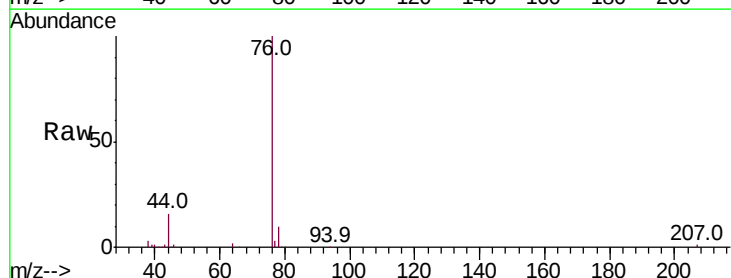
Acq: 23 Oct 2020 13:40

Tgt Ion: 76 Resp: 33116

Ion Ratio Lower Upper

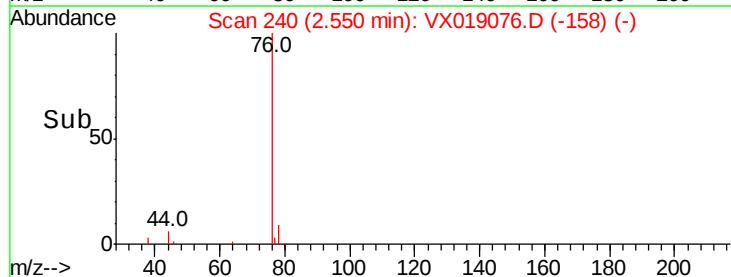
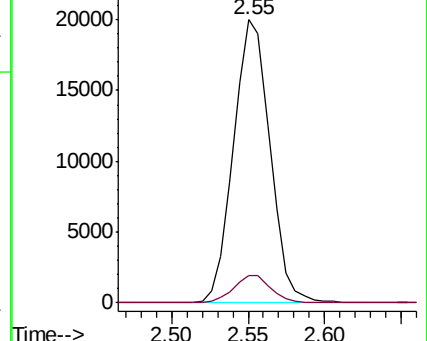
76 100

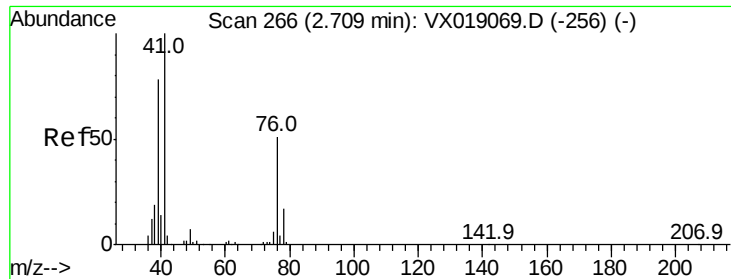
78 9.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

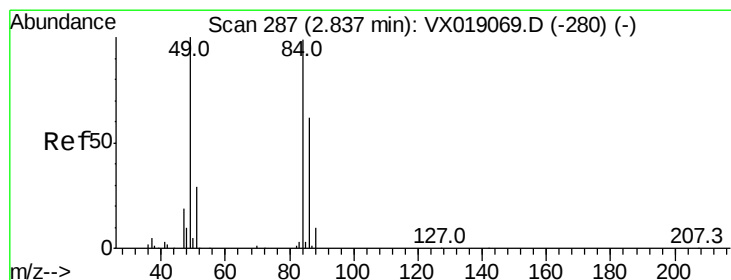
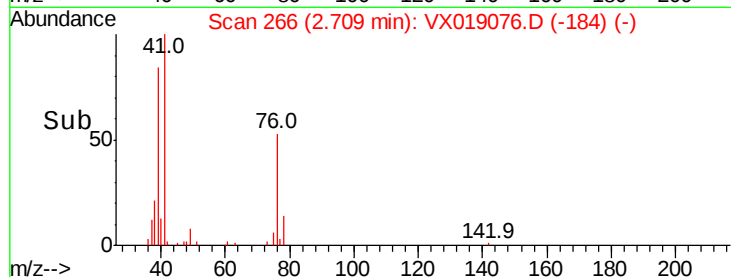
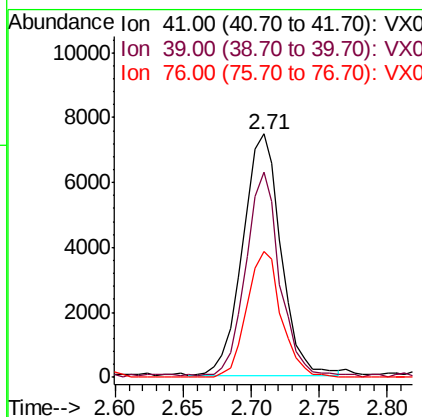
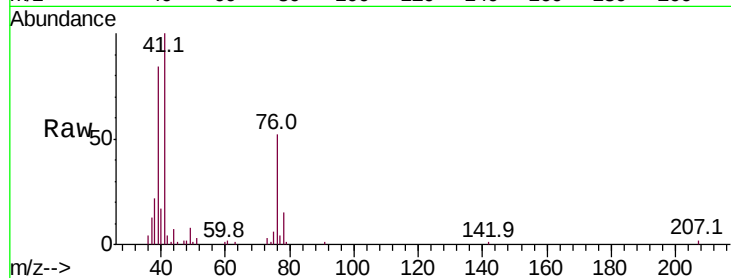




#17
Allvl chloride
Concen: 5.258 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

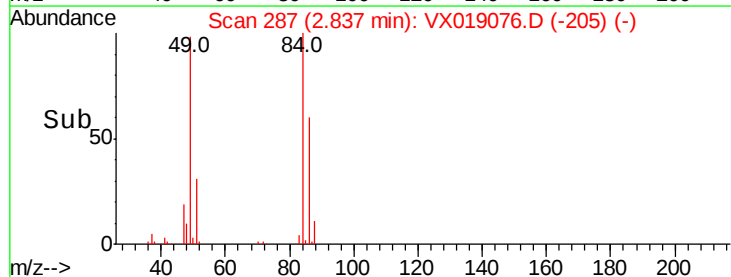
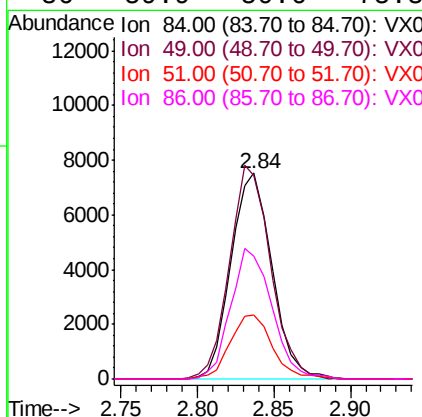
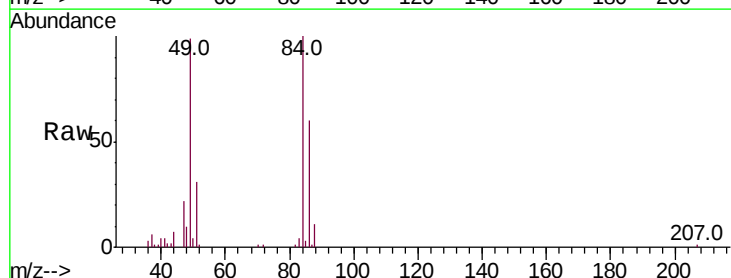
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

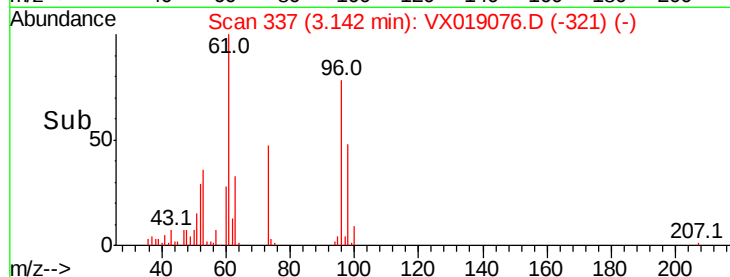
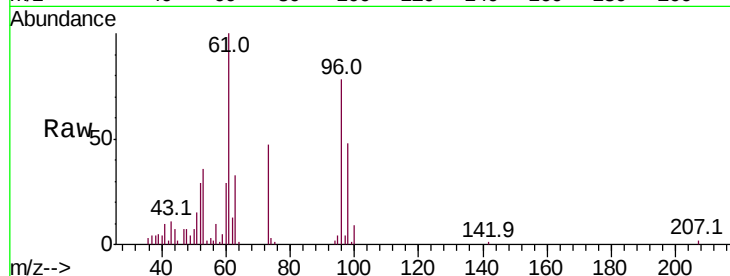
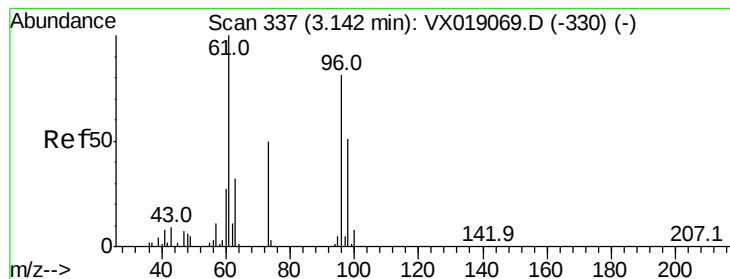
Tot Ion: 41 Resp: 14587
Ion Ratio Lower Upper
41 100
39 83.9 38.8 116.3
76 52.2 25.8 77.4



#18
Methylene Chloride
Concen: 5.540 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion: 84 Resp: 14033
Ion Ratio Lower Upper
84 100
49 98.0 80.9 121.3
51 30.9 23.8 35.6
86 59.9 50.6 75.8





#19

trans-1,2-Dichloroethene

Concen: 5.123 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

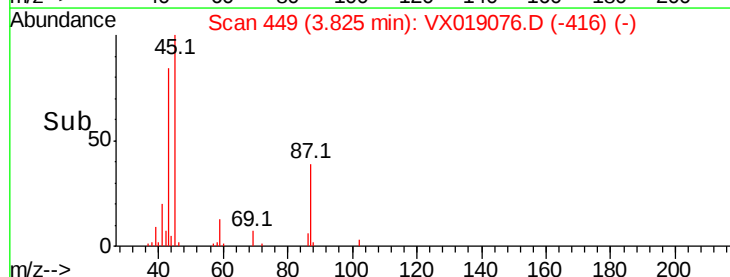
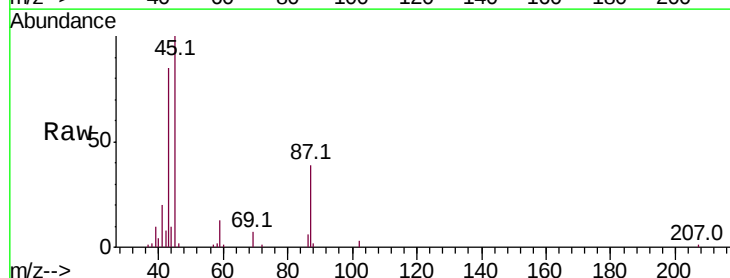
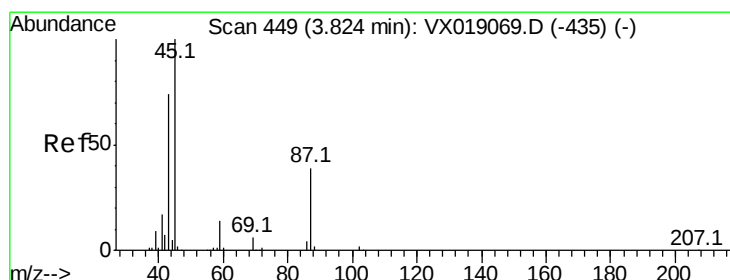
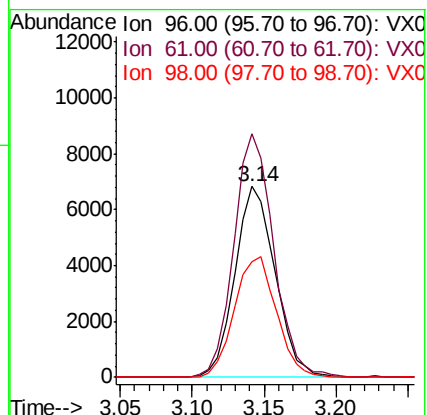
Tot Ion: 96 Resp: 13291

Ion Ratio Lower Upper

96 100

61 127.6 98.4 147.6

98 60.9 49.9 74.9



#20

Diisopropyl ether

Concen: 5.402 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Tgt Ion: 45 Resp: 30360

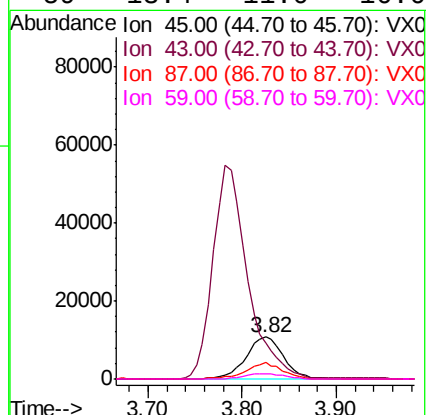
Ion Ratio Lower Upper

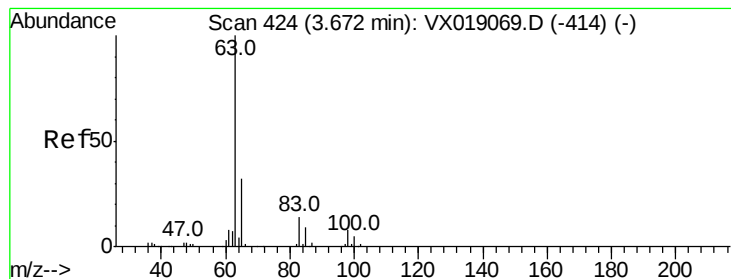
45 100

43 82.5 60.6 91.0

87 39.2 30.9 46.3

59 13.4 11.0 16.6





#21

1,1-Dichloroethane

Concen: 5.387 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

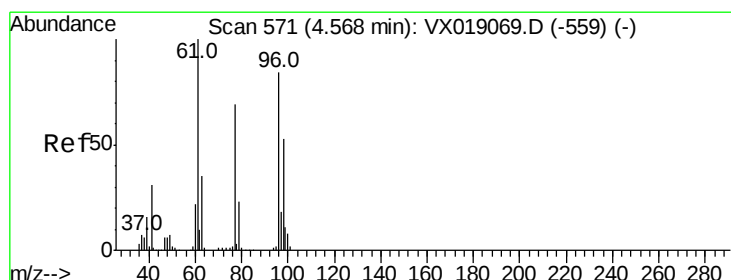
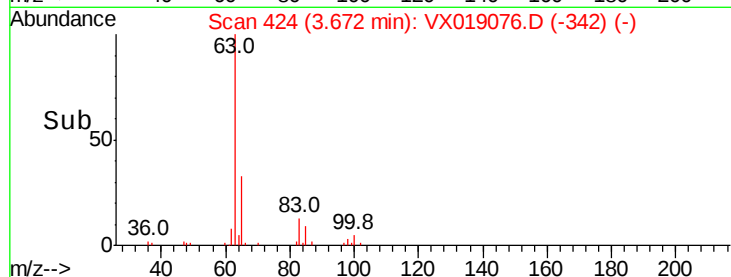
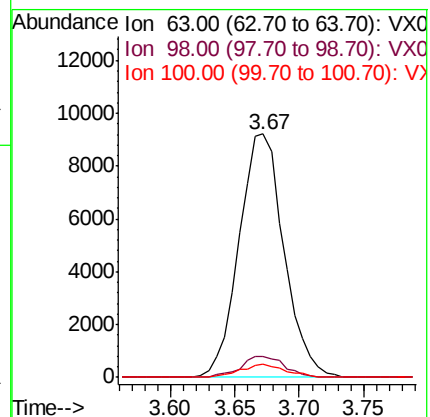
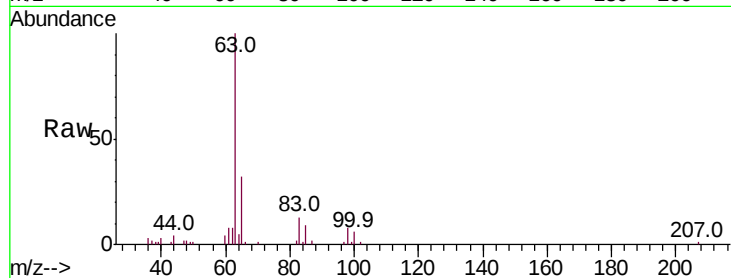
Tot Ion: 63 Resp: 22229

Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.7

100 5.6 2.4 7.2



#22

cis-1,2-Dichloroethene

Concen: 5.261 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

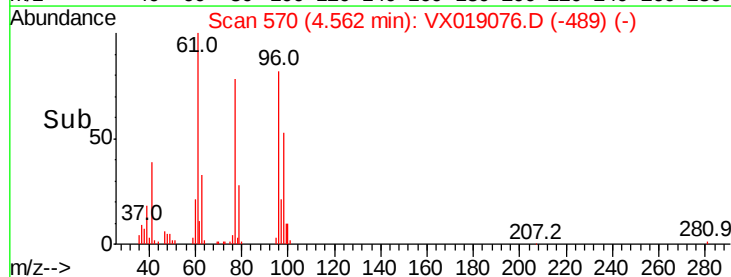
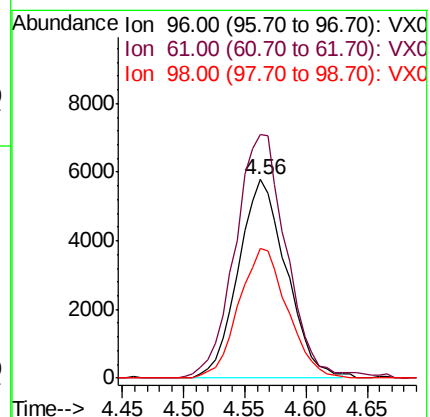
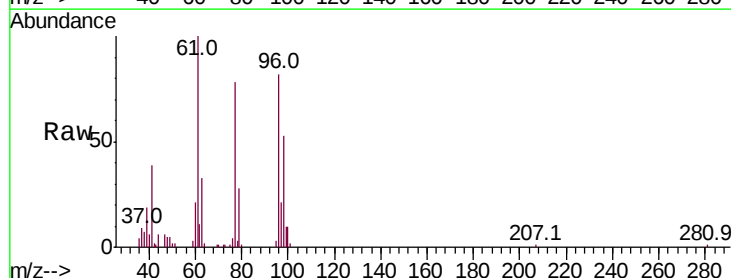
Tgt Ion: 96 Resp: 15810

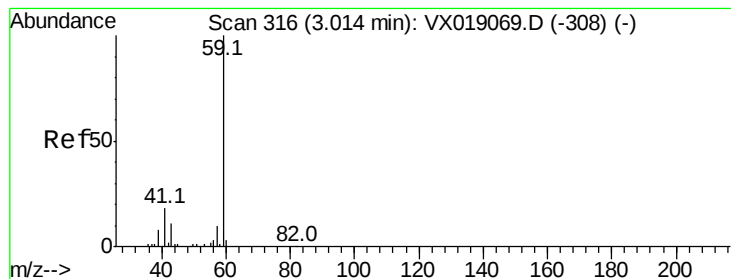
Ion Ratio Lower Upper

96 100

61 129.5 101.9 152.9

98 65.9 51.3 76.9





#23

tert-Butyl Alcohol

Concen: 28.626 ug/l

RT: 3.02 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

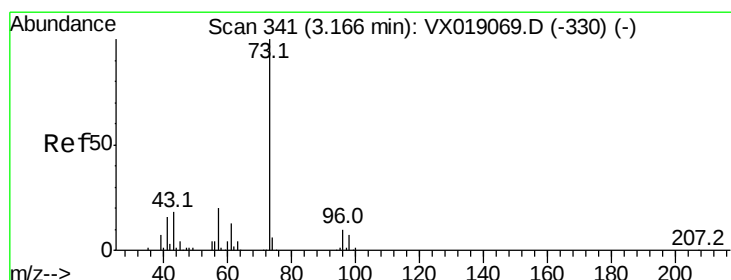
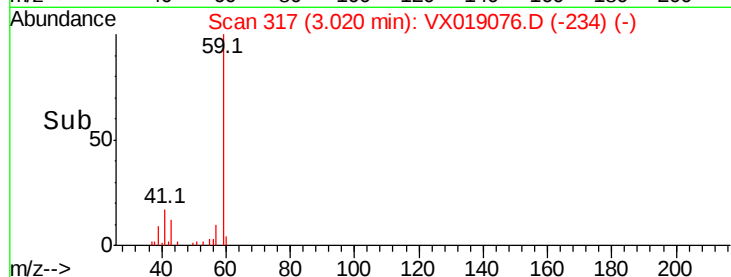
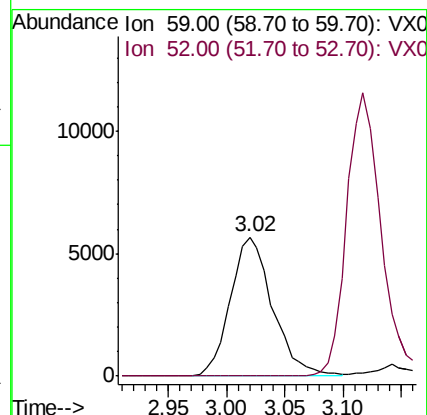
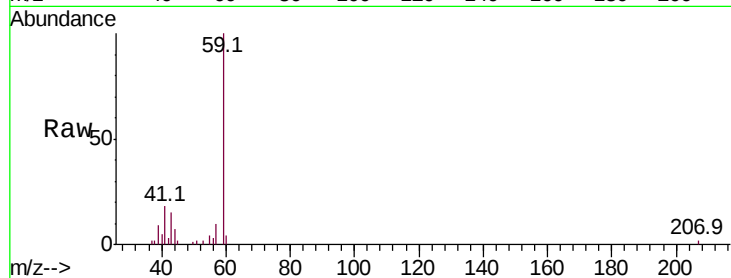
LOQ-WATER-02-QT4-2020

Tot Ion: 59 Resp: 14336

Ion Ratio Lower Upper

59 100

52 0.2 0.2 0.4#



#24

Methyl tert-Butyl Ether

Concen: 5.326 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX019076.D

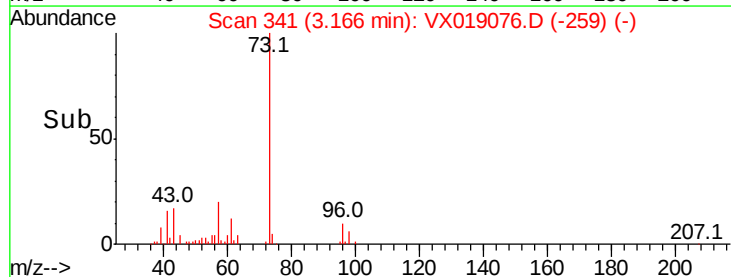
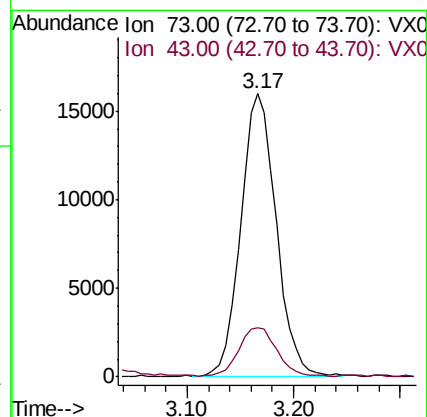
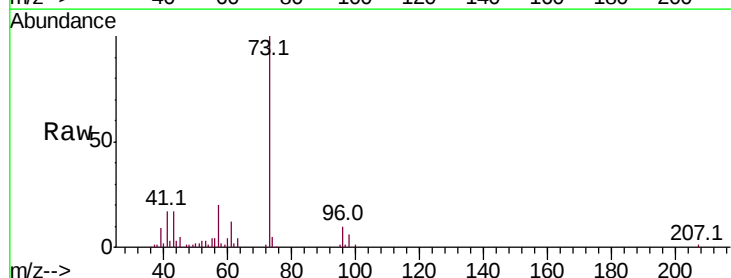
Acq: 23 Oct 2020 13:40

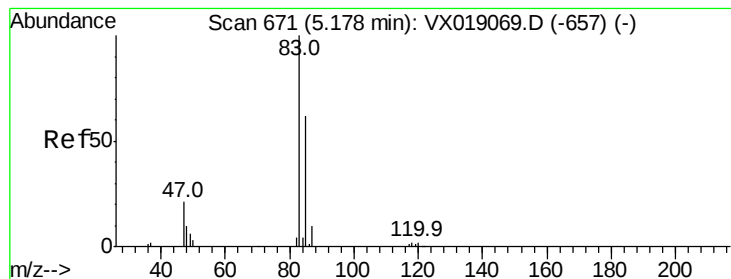
Tgt Ion: 73 Resp: 37406

Ion Ratio Lower Upper

73 100

43 18.7 13.9 20.9





#25

Chloroform

Concen: 5.373 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

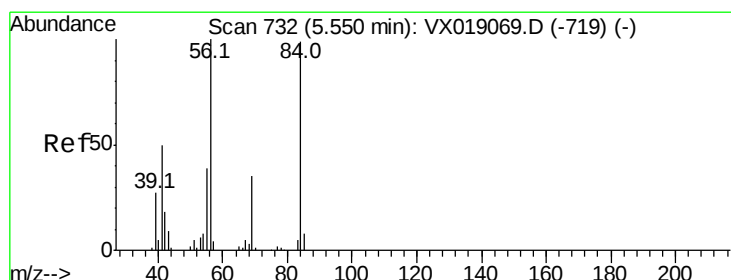
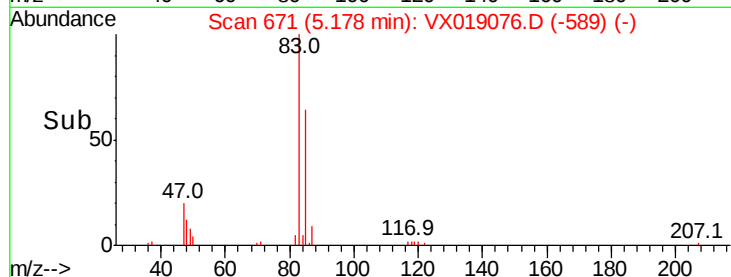
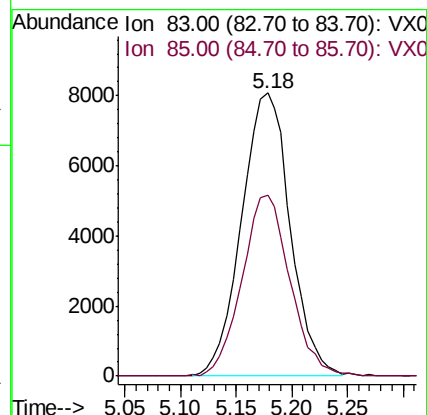
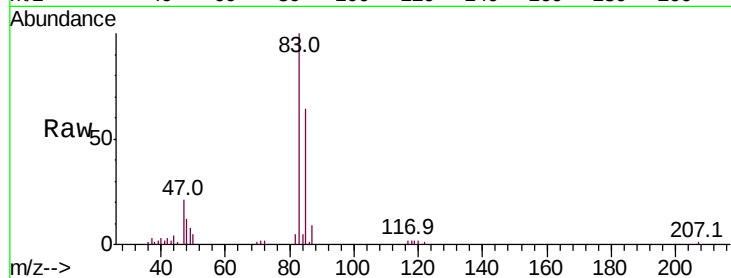
LOQ-WATER-02-QT4-2020

Tot Ion: 83 Resp: 24565

Ion Ratio Lower Upper

83 100

85 63.2 49.8 74.8



#26

Cyclohexane

Concen: 5.117 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

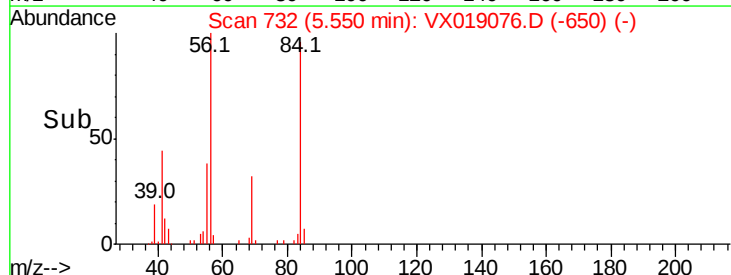
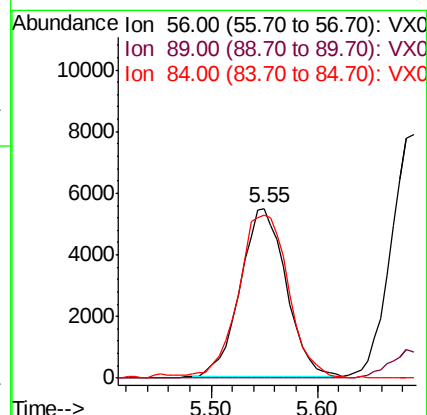
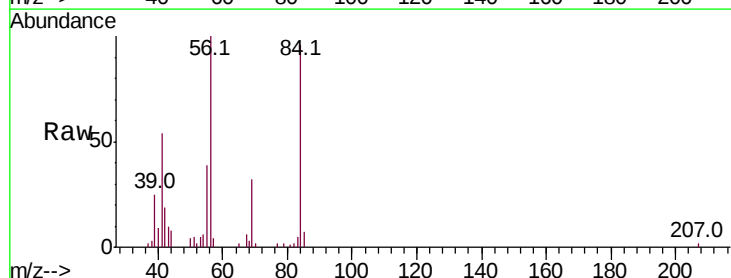
Tgt Ion: 56 Resp: 16409

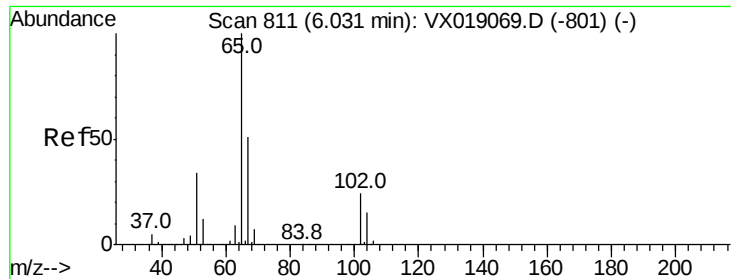
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 106.8 83.7 125.5





#27

1,2-Dichloroethane-d4

Concen: 30.643 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

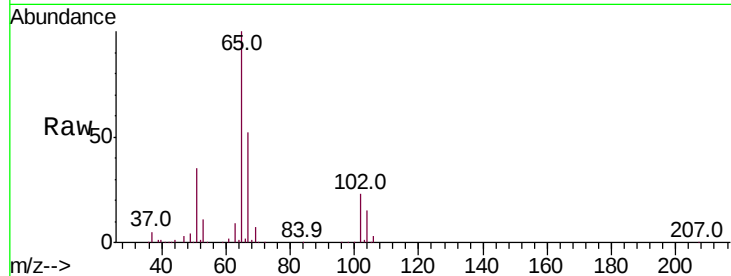
LOQ-WATER-02-QT4-2020

Tot Ion: 65 Resp: 90058

Ion Ratio Lower Upper

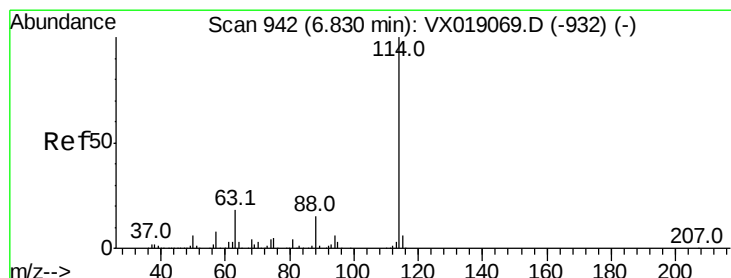
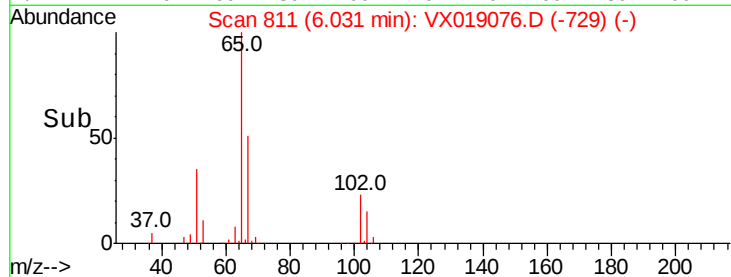
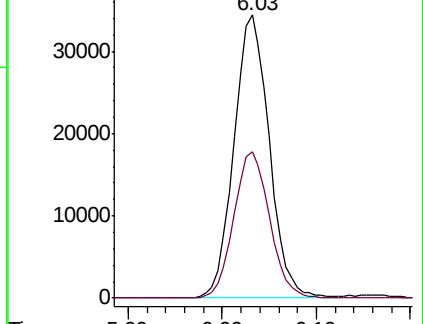
65 100

67 52.5 42.0 63.0



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: VX019076.D

Acq: 23 Oct 2020 13:40

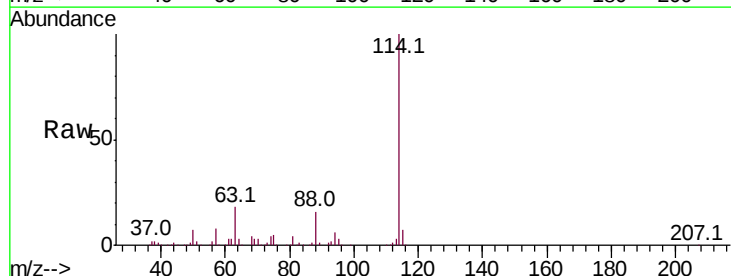
Tgt Ion: 114 Resp: 243899

Ion Ratio Lower Upper

114 100

63 18.5 14.6 21.8

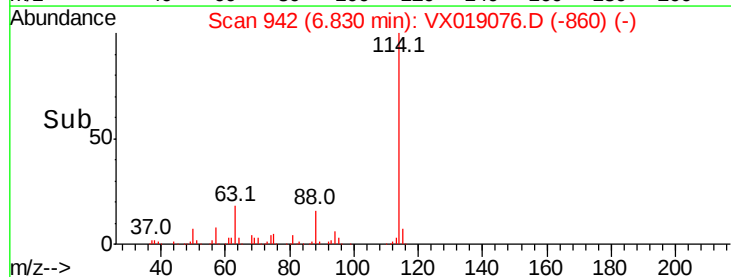
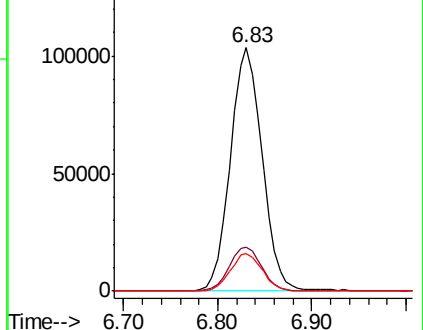
88 15.5 12.2 18.2

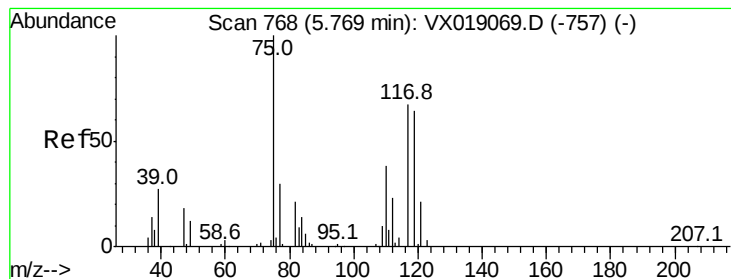


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 5.272 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

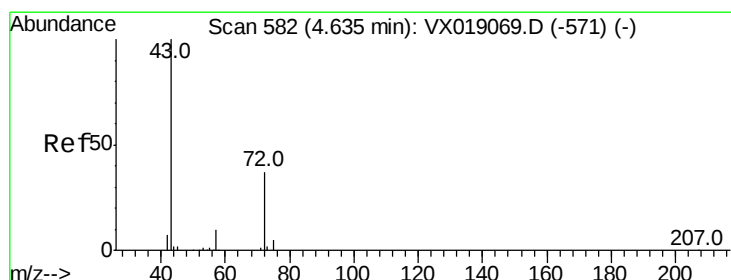
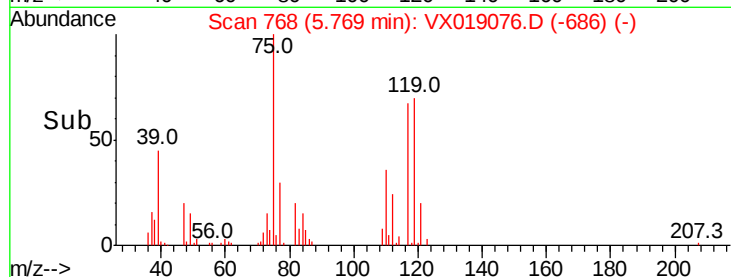
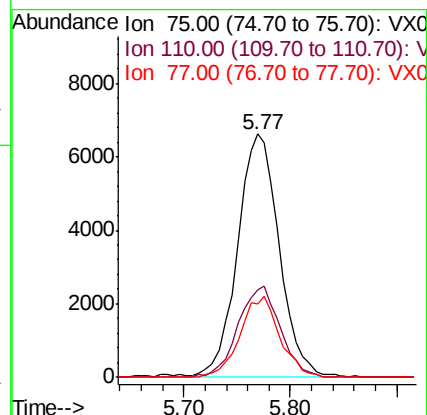
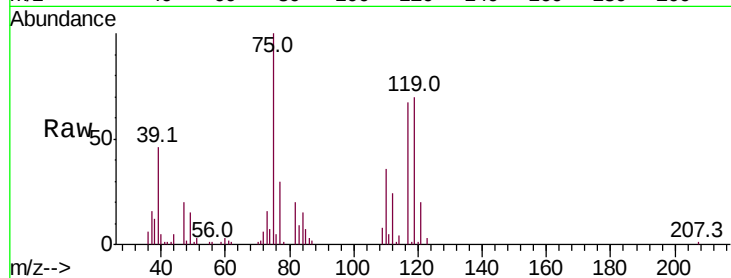
Tot Ion: 75 Resp: 18140

Ion Ratio Lower Upper

75 100

110 37.9 0.0 77.4

77 31.7 0.0 62.8



#30

2-Butanone

Concen: 29.041 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

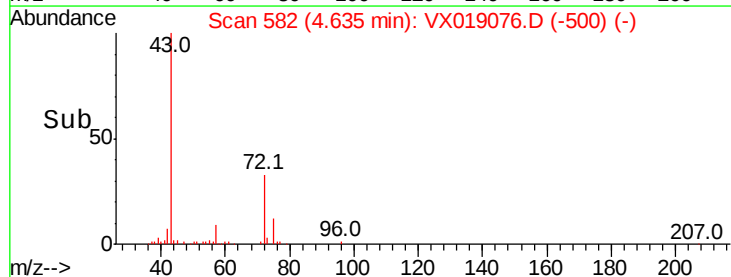
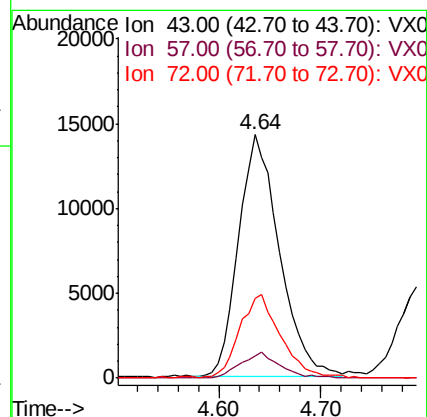
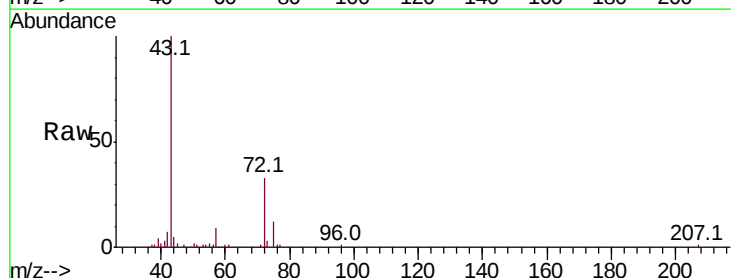
Tgt Ion: 43 Resp: 39808

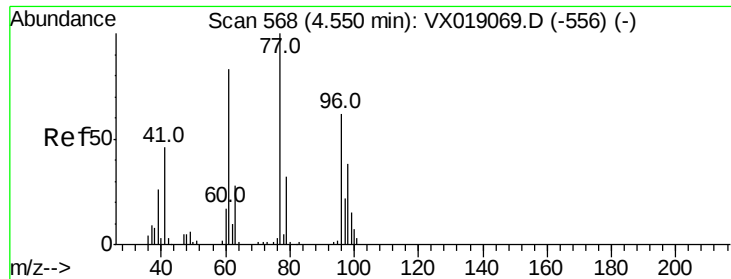
Ion Ratio Lower Upper

43 100

57 9.9 7.8 11.6

72 34.4 28.1 42.1





#31

2,2-Dichloropropane

Concen: 5.129 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

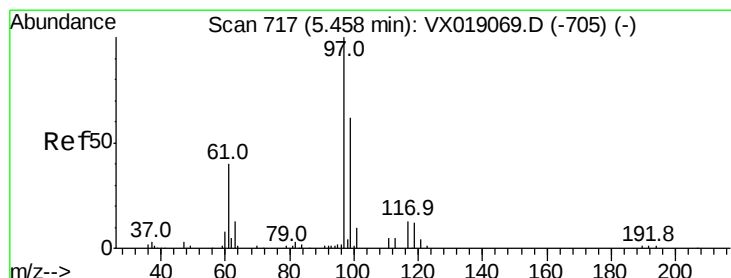
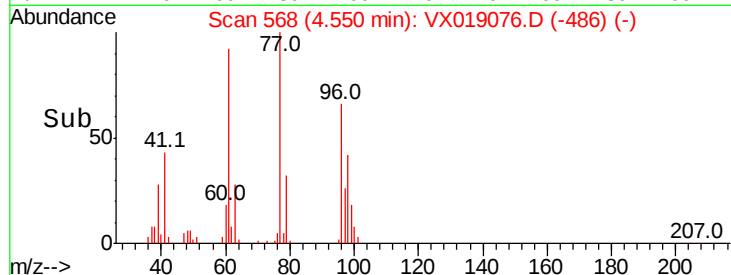
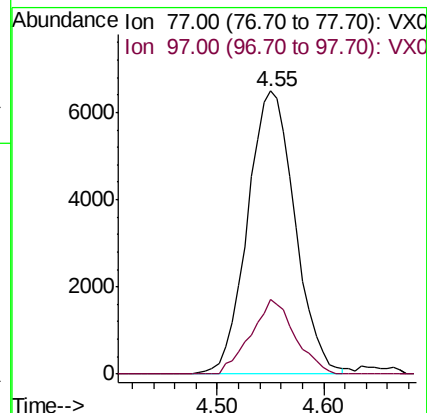
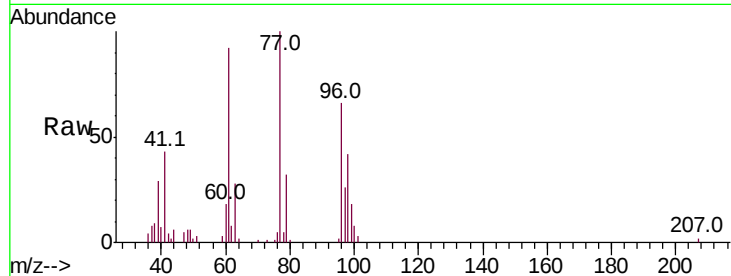
LOQ-WATER-02-QT4-2020

Tot Ion: 77 Resp: 20191

Ion Ratio Lower Upper

77 100

97 24.6 19.2 28.8



#32

1,1,1-Trichloroethane

Concen: 5.292 ug/l

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

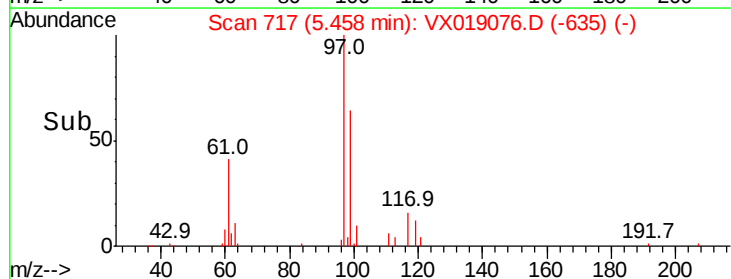
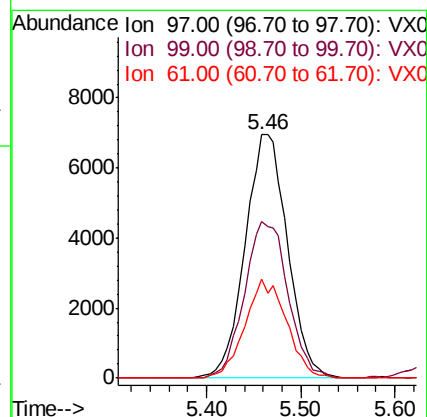
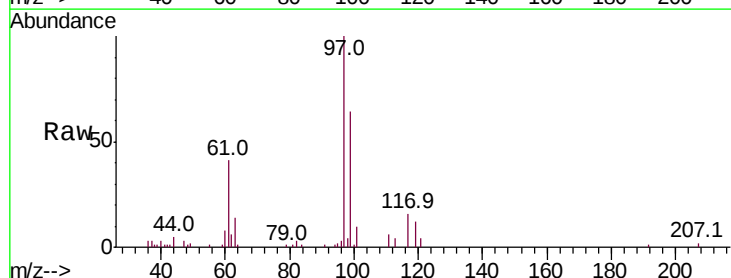
Tgt Ion: 97 Resp: 21887

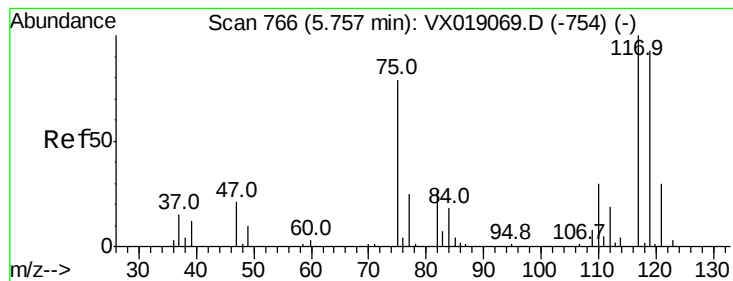
Ion Ratio Lower Upper

97 100

99 65.9 51.0 76.6

61 39.8 32.0 48.0





#33

Carbon Tetrachloride

Concen: 5.019 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

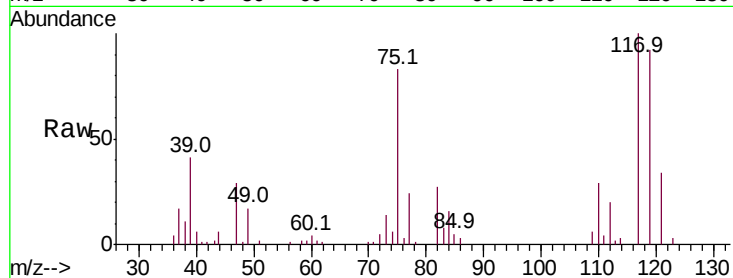
Tot Ion:117 Resp: 18013

Ion Ratio Lower Upper

117 100

119 92.1 74.5 111.7

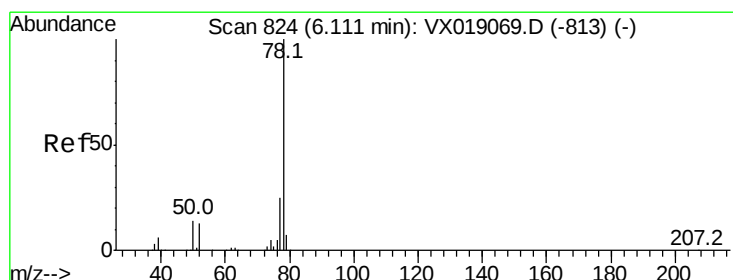
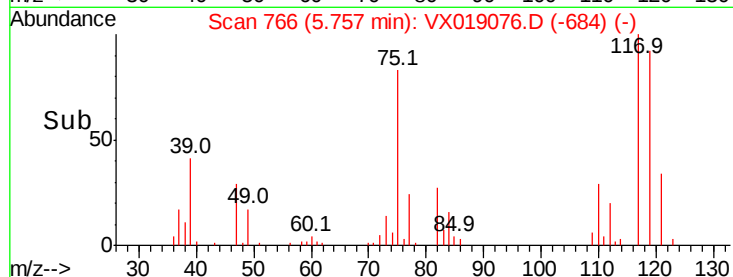
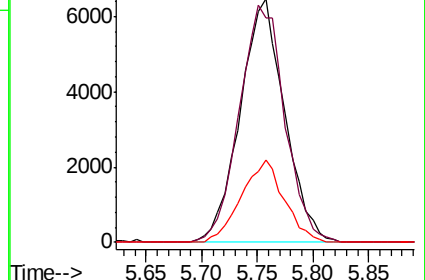
121 33.6 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 5.457 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

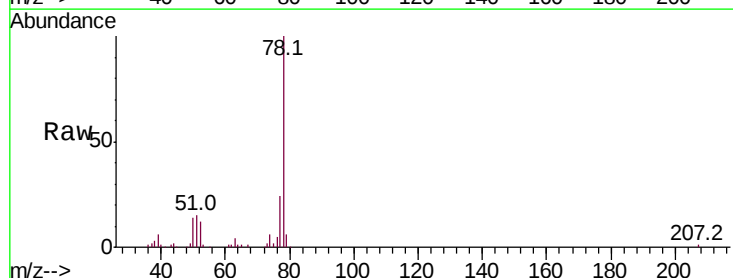
Tgt Ion: 78 Resp: 55243

Ion Ratio Lower Upper

78 100

77 23.9 20.1 30.1

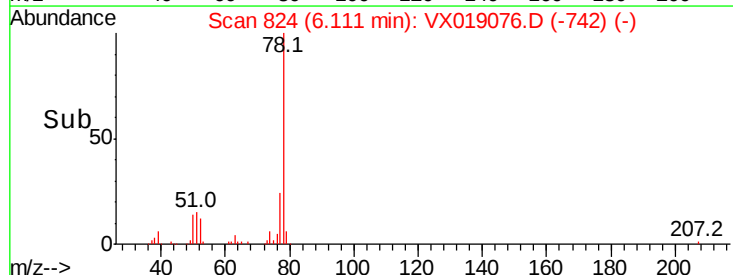
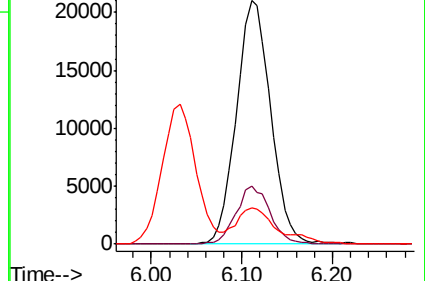
51 14.3 11.0 16.4

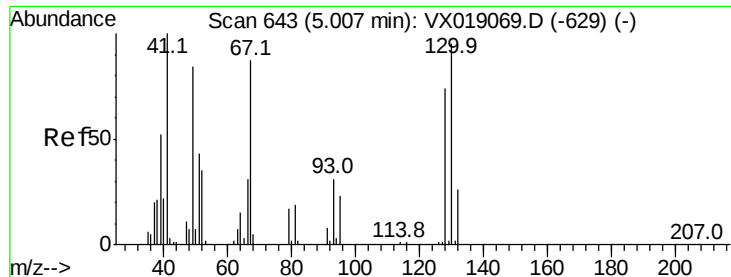


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

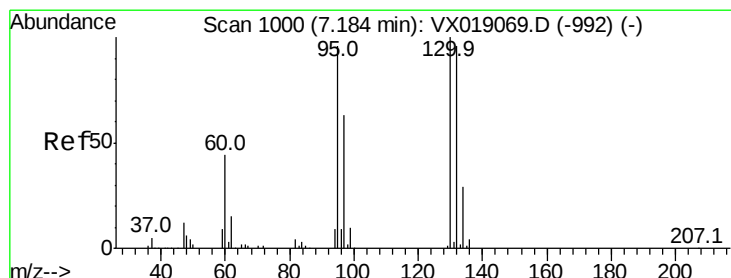
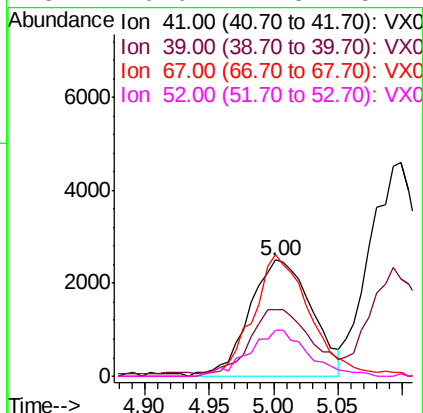
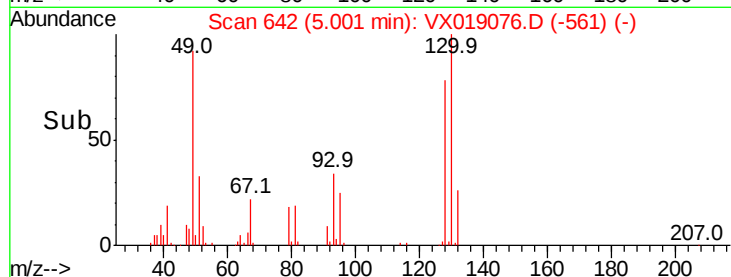
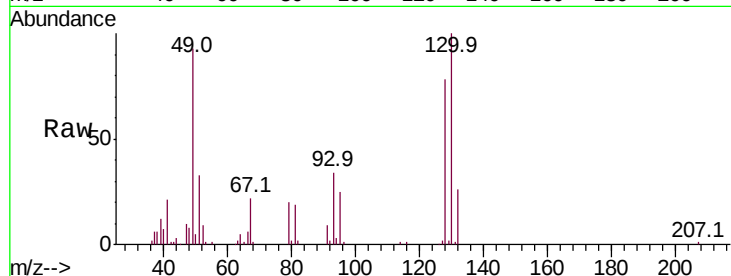




#35
Methacrylonitrile
Concen: 5.649 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

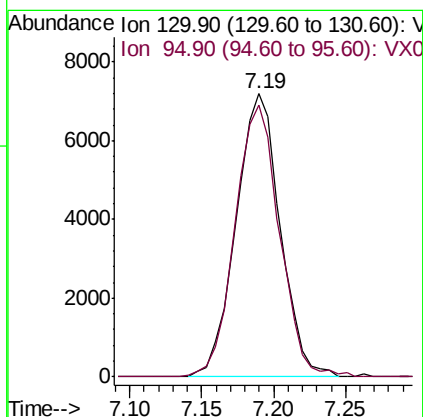
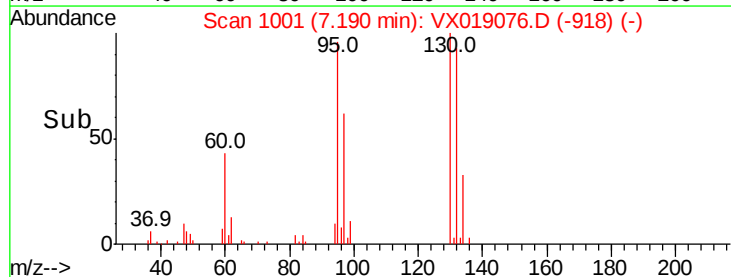
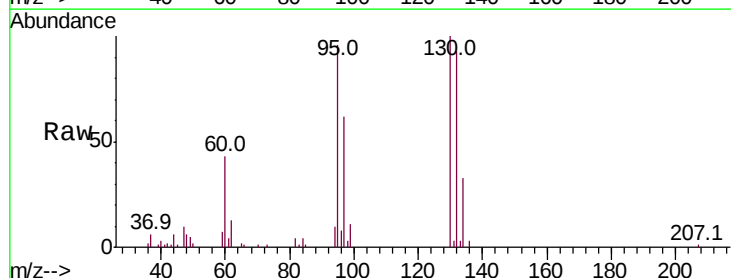
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

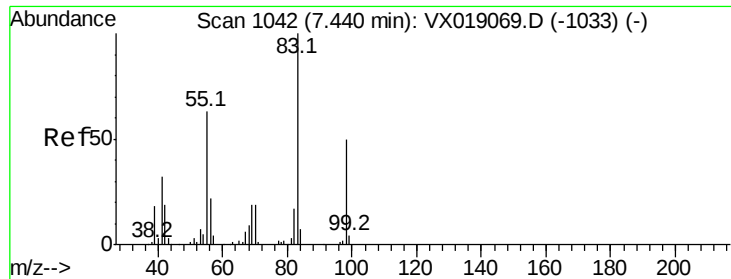
Tot Ion: 41 Resp: 8383
Ion Ratio Lower Upper
41 100
39 54.4 25.8 77.4
67 104.5 43.6 130.8
52 40.0 17.3 51.7



#37
Trichloroethene
Concen: 5.250 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion:130 Resp: 15277
Ion Ratio Lower Upper
130 100
95 95.2 76.8 115.2

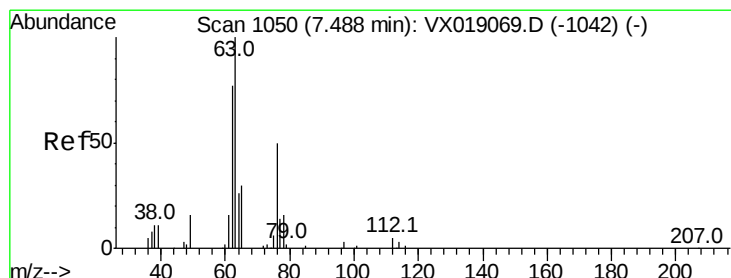
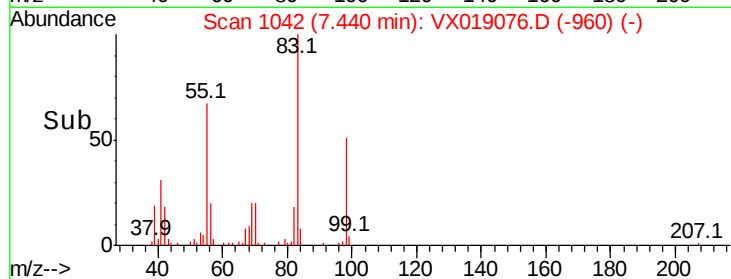
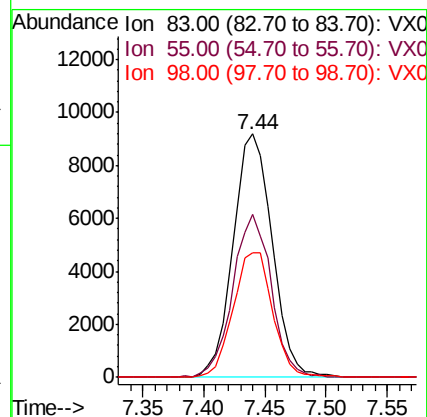
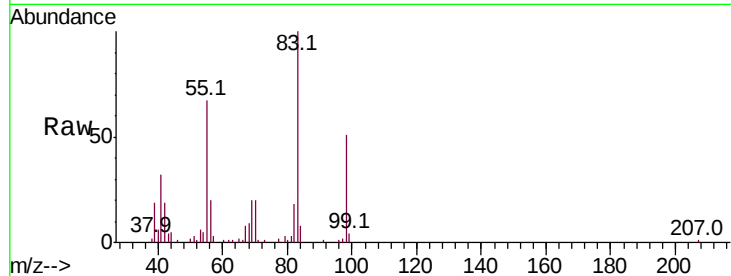




#38
Methvlcvclohexane
Concen: 5.291 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

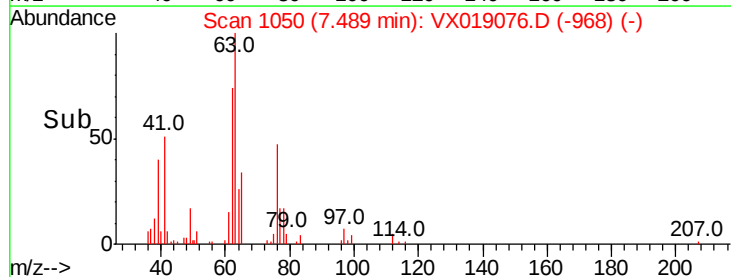
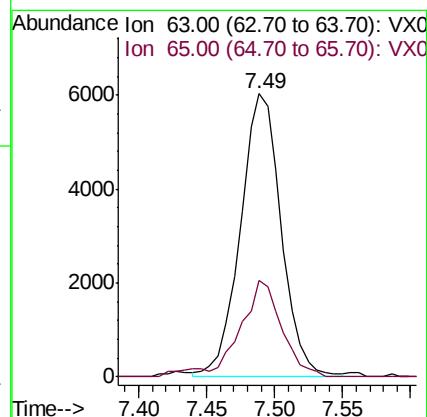
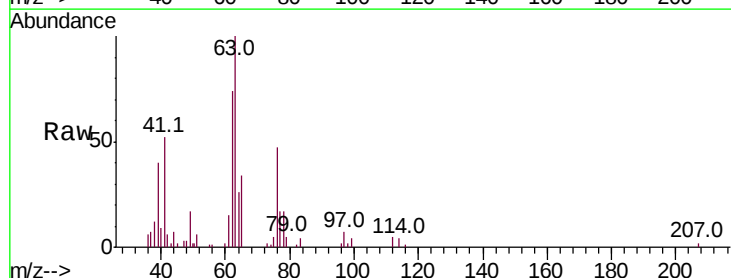
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

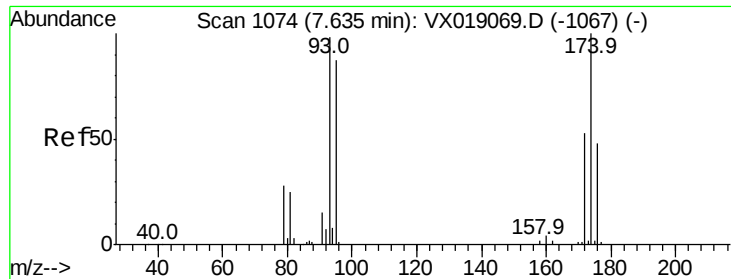
Tot Ion	83	Resp	20408
Ion Ratio	100	Lower	Upper
55	65.5	32.3	96.8
98	51.5	25.7	77.1



#39
1,2-Dichloropropane
Concen: 5.373 ug/l
RT: 7.49 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion	63	Resp	12626
Ion Ratio	100	Lower	Upper
65	34.3	25.8	38.8

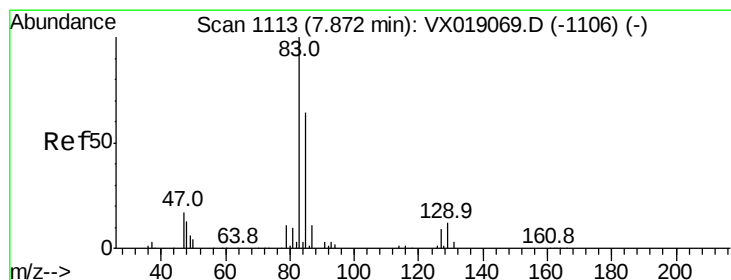
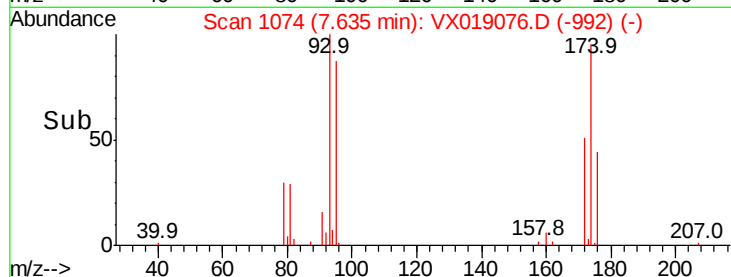
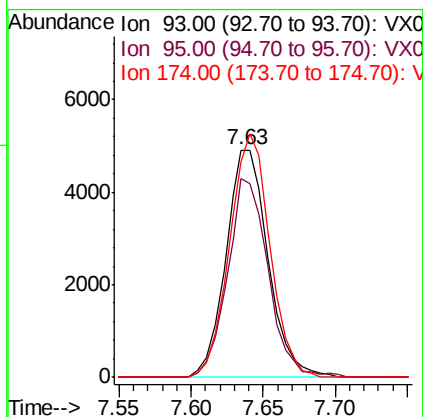
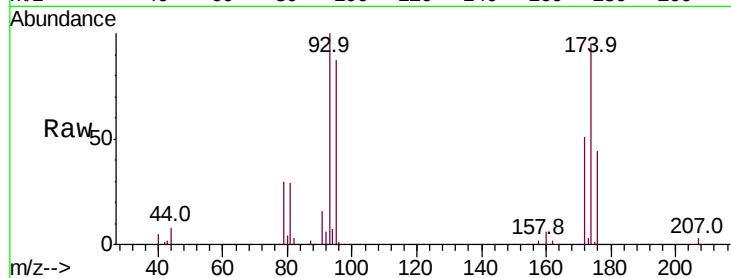




#40
Dibromomethane
Concen: 5.499 ug/l
RT: 7.63 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

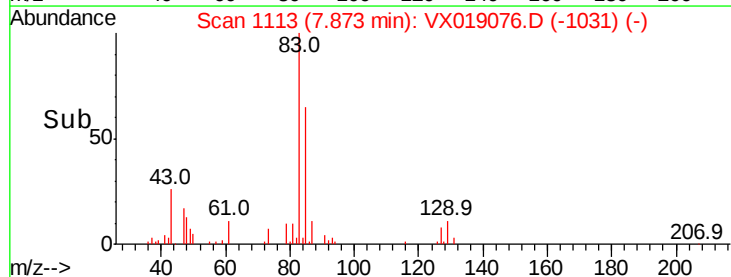
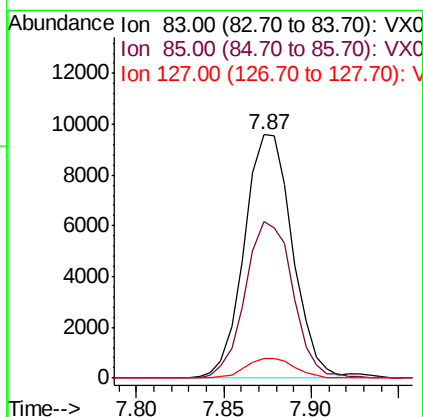
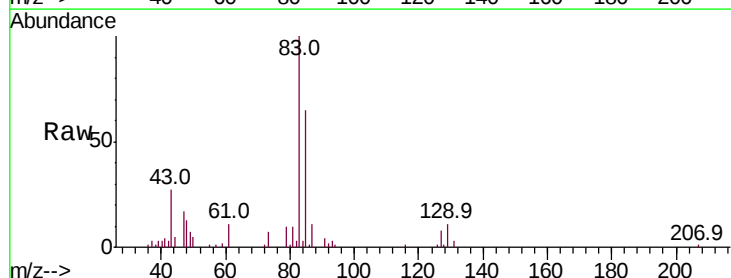
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

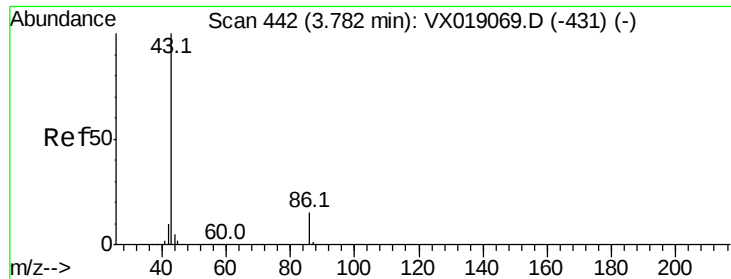
Tot Ion: 93 Resp: 10030
Ion Ratio Lower Upper
93 100
95 83.4 0.0 169.0
174 102.2 0.0 205.4



#41
Bromodichloromethane
Concen: 5.114 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion: 83 Resp: 18439
Ion Ratio Lower Upper
83 100
85 64.6 51.2 76.8
127 8.2 7.1 10.7

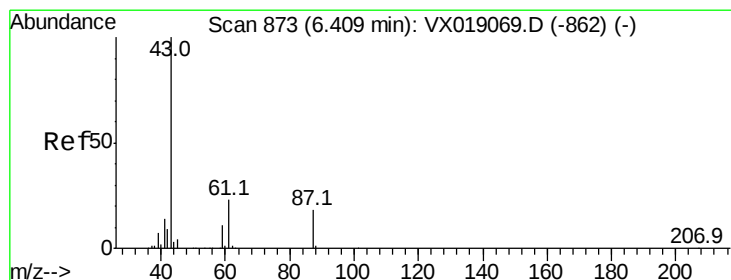
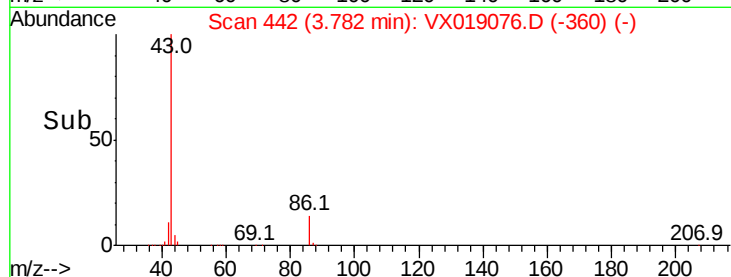
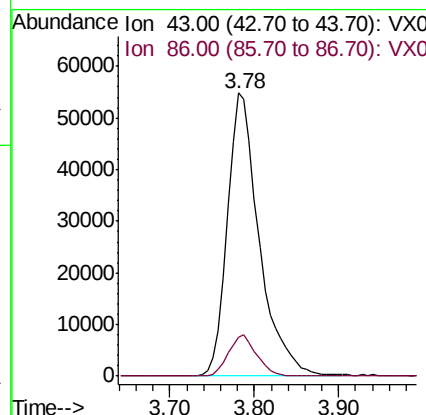
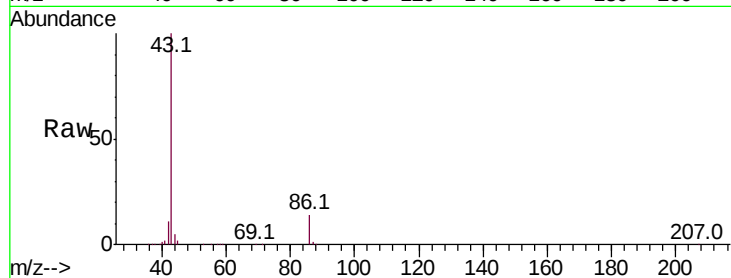




#42
 Vinyl Acetate
 Concen: 26.418 ug/l
 RT: 3.78 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VX019076.D
 Acq: 23 Oct 2020 13:40

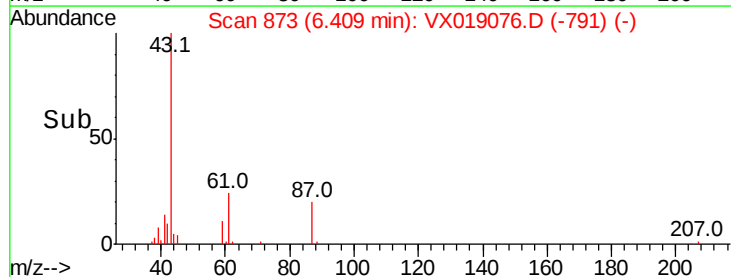
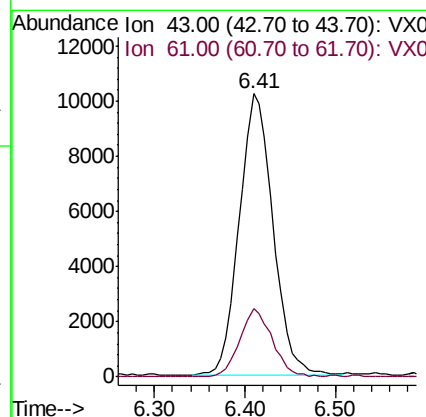
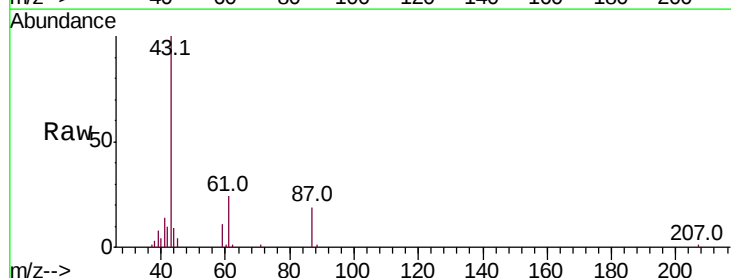
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

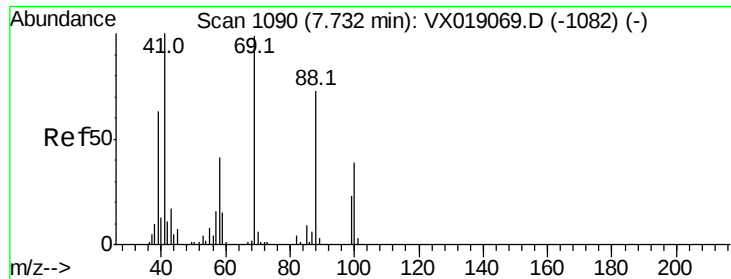
Tot Ion: 43 Resp: 140902
 Ion Ratio Lower Upper
 43 100
 86 13.1 10.6 15.8



#44
 Isopropyl Acetate
 Concen: 5.454 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VX019076.D
 Acq: 23 Oct 2020 13:40

Tgt Ion: 43 Resp: 26260
 Ion Ratio Lower Upper
 43 100
 61 23.3 19.1 28.7





#45

1,4-Dioxane

Concen: 110.328 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

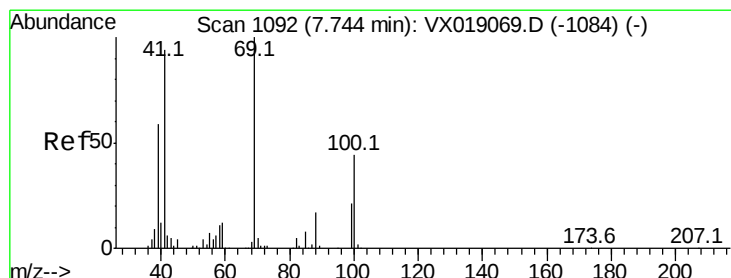
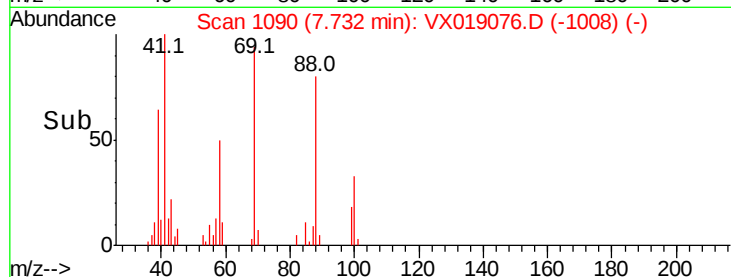
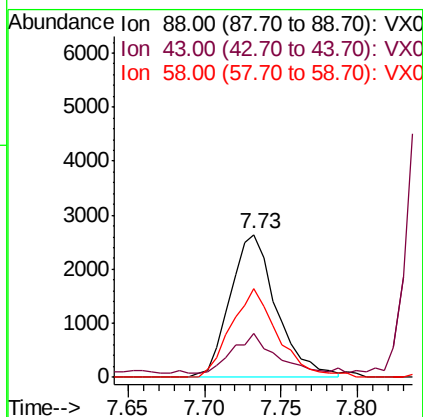
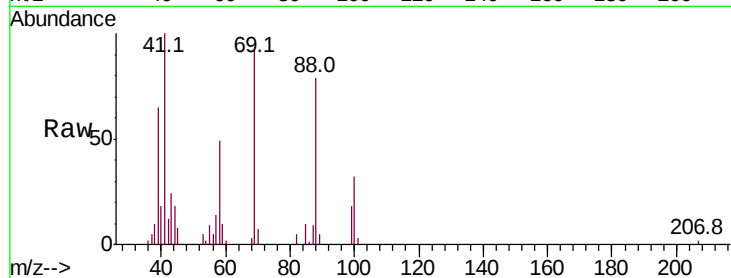
Tot Ion: 88 Resp: 5584

Ion Ratio Lower Upper

88 100

43 24.4 20.5 30.7

58 61.9 47.4 71.2



#46

Methyl methacrylate

Concen: 5.326 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

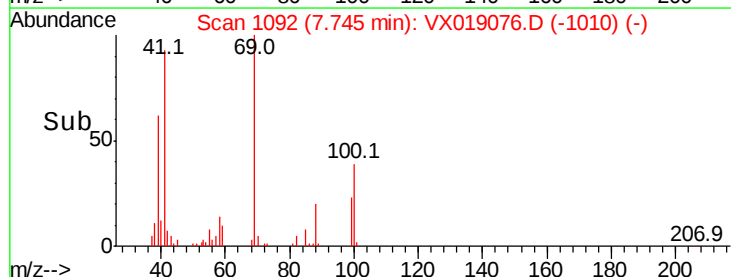
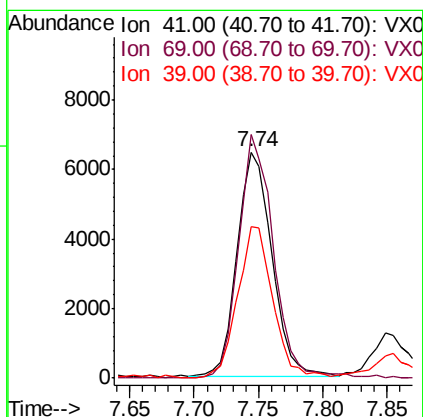
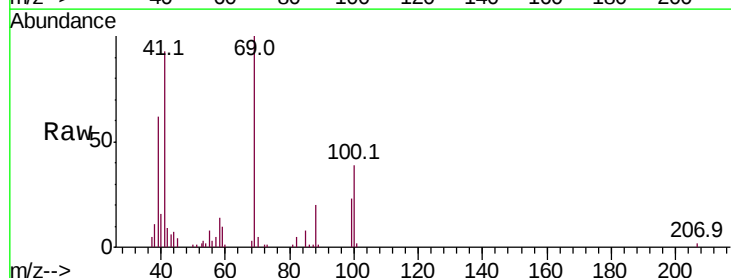
Tgt Ion: 41 Resp: 12138

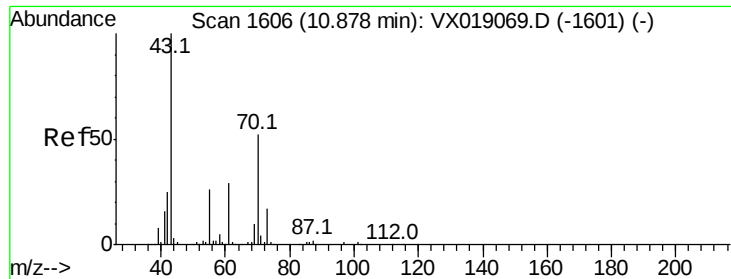
Ion Ratio Lower Upper

41 100

69 108.7 53.1 159.4

39 67.4 31.3 93.9

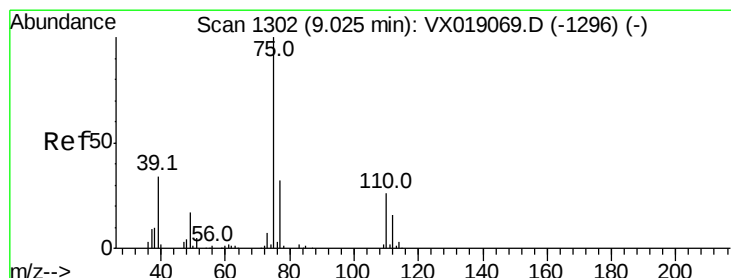
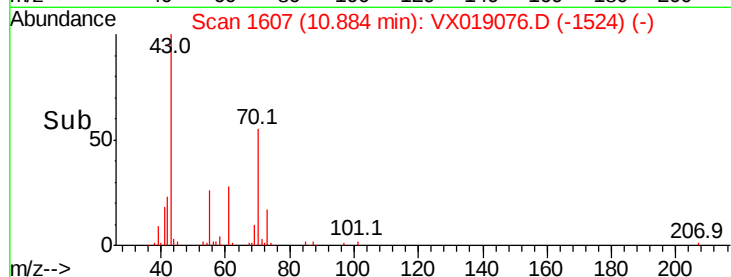
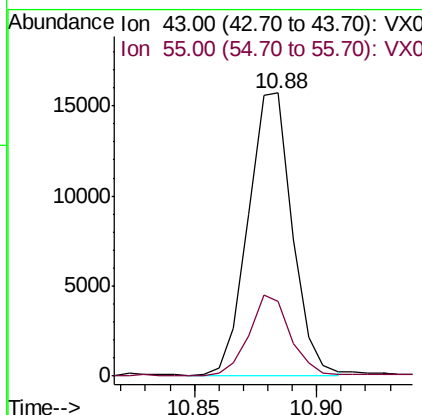
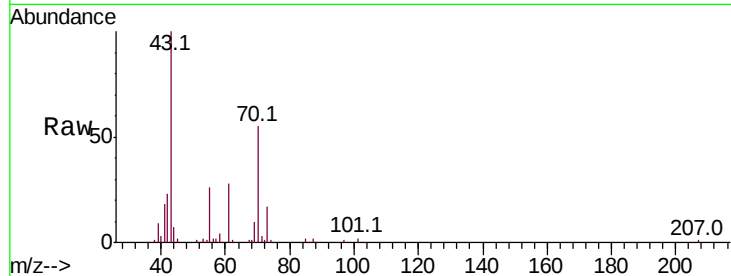




#47
n-amvl Acetate
Concen: 5.106 ug/l
RT: 10.88 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

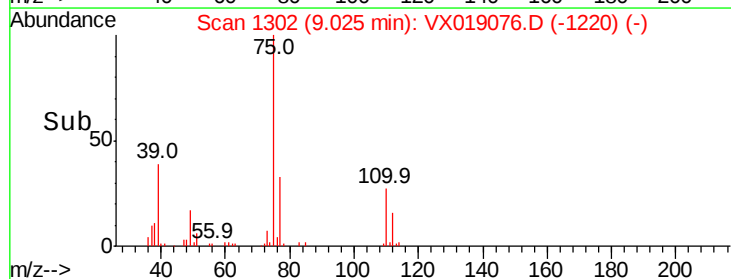
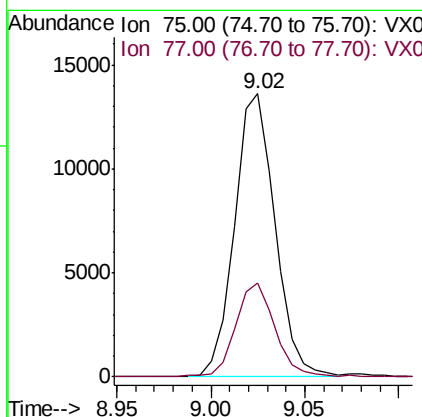
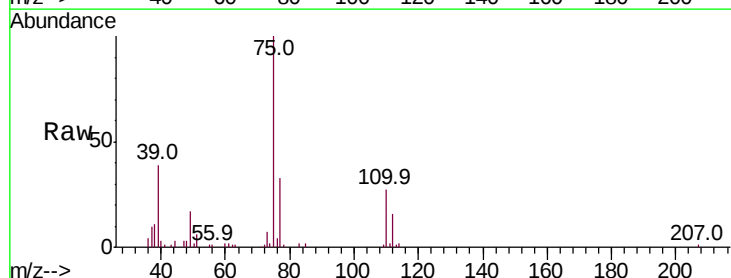
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

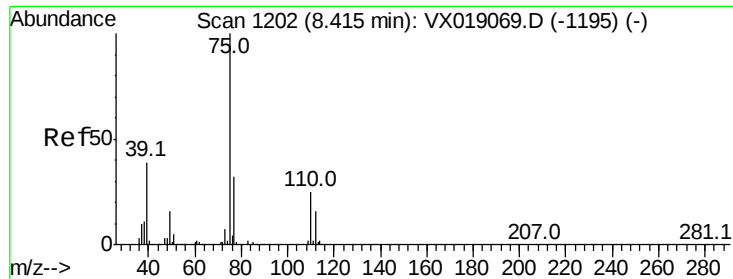
Tot Ion: 43 Resp: 19723
Ion Ratio Lower Upper
43 100
55 27.4 21.5 32.3



#48
t-1,3-Dichloropropene
Concen: 5.017 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion: 75 Resp: 20254
Ion Ratio Lower Upper
75 100
77 33.1 25.3 37.9





#49

cis-1,3-Dichloropropene

Concen: 5.101 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

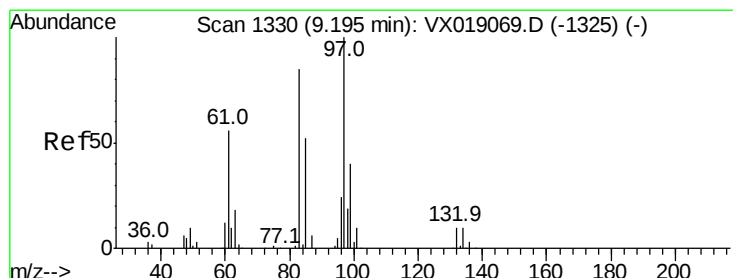
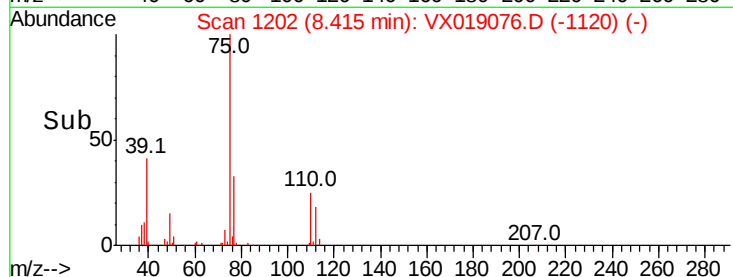
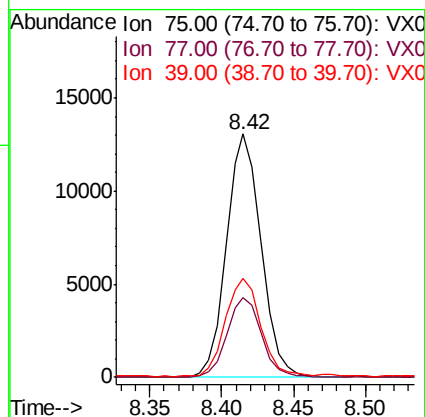
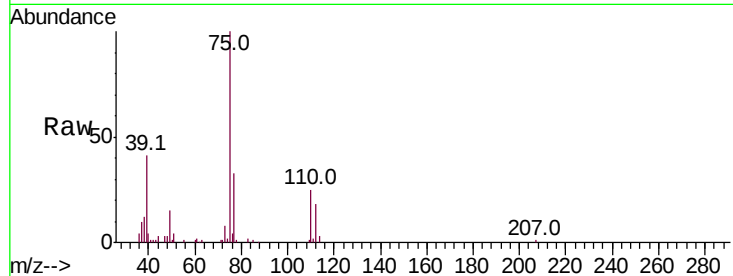
Tot Ion: 75 Resp: 21914

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8

39 40.0 31.0 46.6



#50

1,1,2-Trichloroethane

Concen: 5.172 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Tgt Ion: 97 Resp: 13663

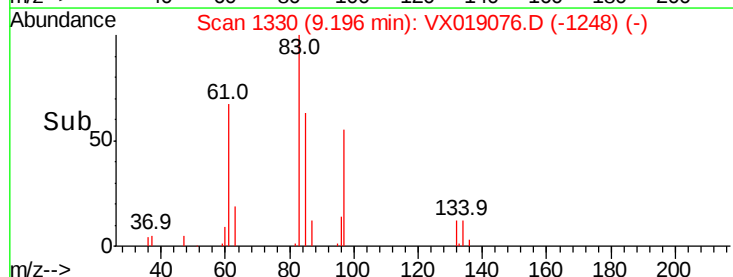
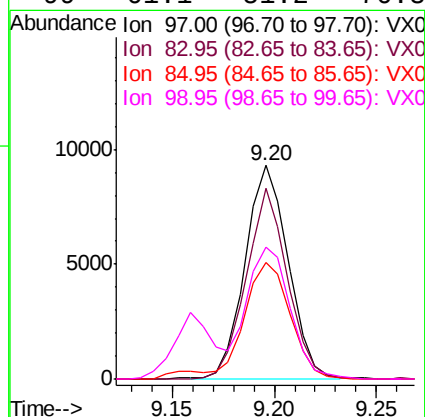
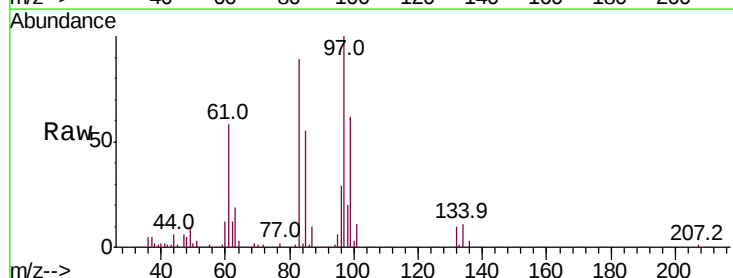
Ion Ratio Lower Upper

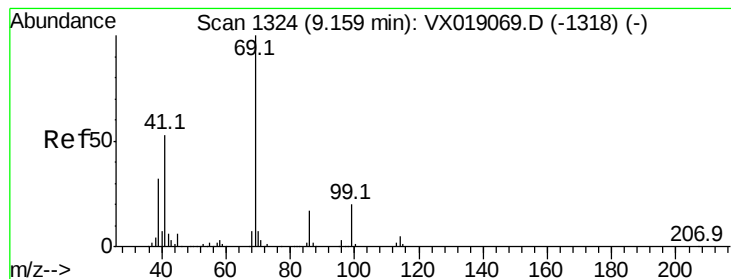
97 100

83 89.5 67.8 101.6

85 54.1 43.5 65.3

99 61.1 51.2 76.8





#51

Ethyl methacrylate

Concen: 5.239 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

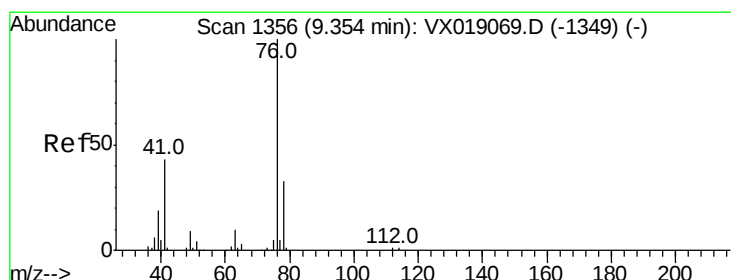
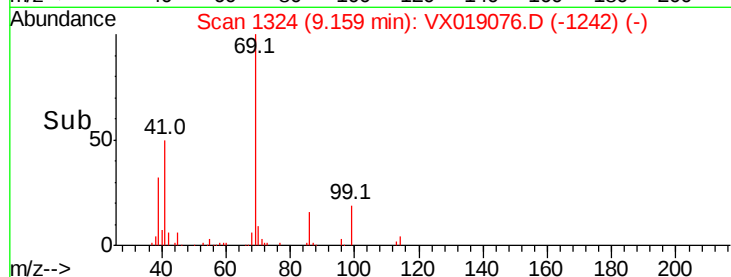
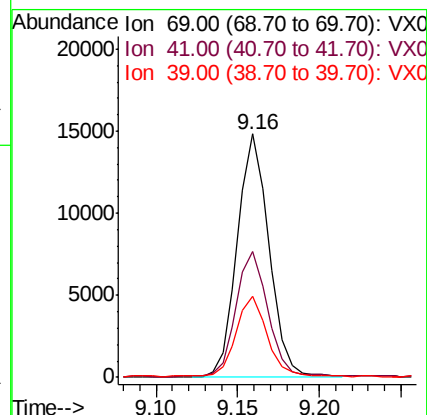
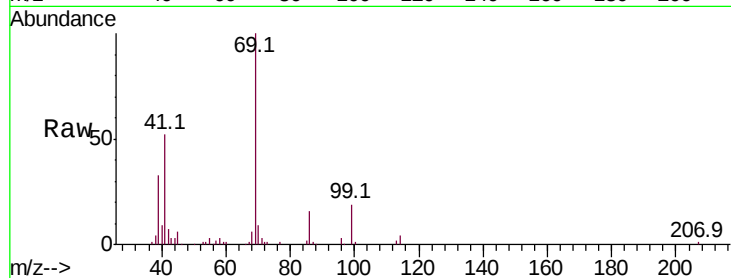
Tot Ion: 69 Resp: 20194

Ion	Ratio	Lower	Upper
69	100		
41	51.3	26.5	79.4
39	33.0	16.2	48.6

69 100

41 51.3 26.5 79.4

39 33.0 16.2 48.6



#52

1,3-Dichloropropane

Concen: 5.470 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX019076.D

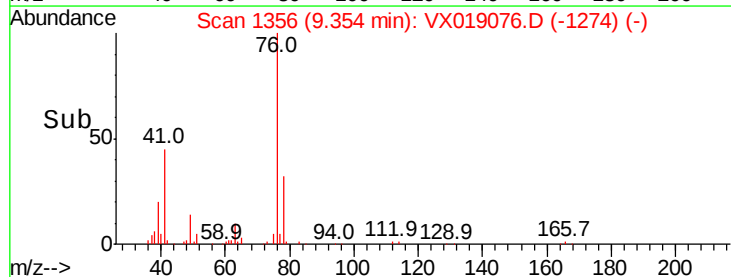
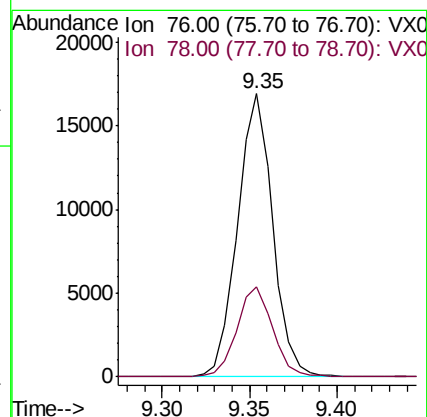
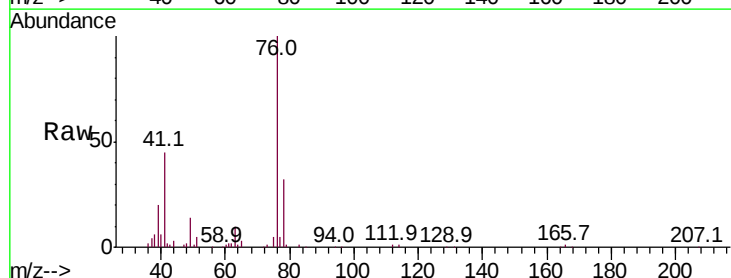
Acq: 23 Oct 2020 13:40

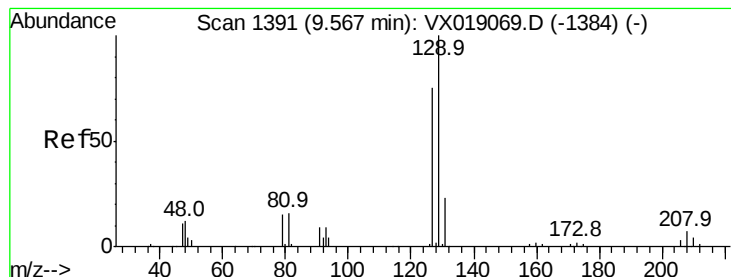
Tgt Ion: 76 Resp: 23541

Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	65.2

76 100

78 32.3 0.0 65.2





#53

Dibromochloromethane

Concen: 5.058 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

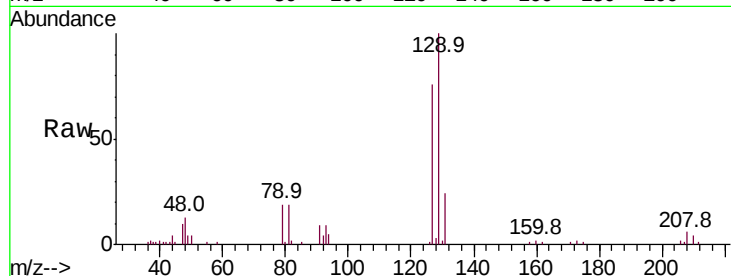
LOQ-WATER-02-QT4-2020

Tot Ion:129 Resp: 14873

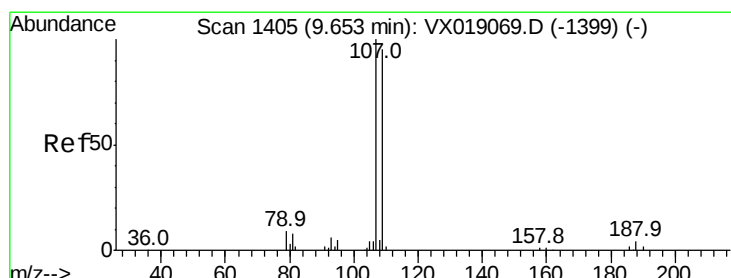
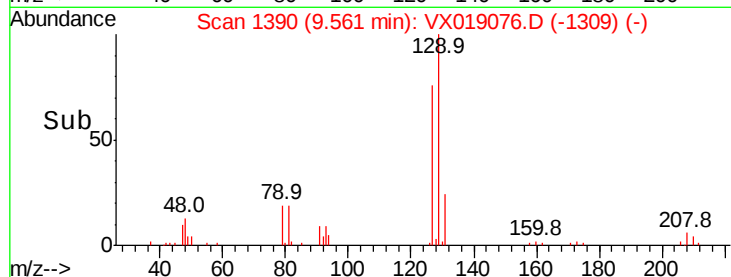
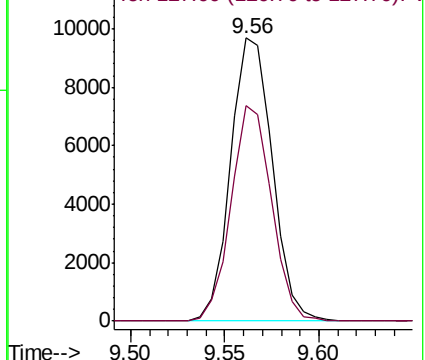
Ion Ratio Lower Upper

129 100

127 73.8 38.4 115.1



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



#54

1,2-Dibromoethane

Concen: 5.276 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019076.D

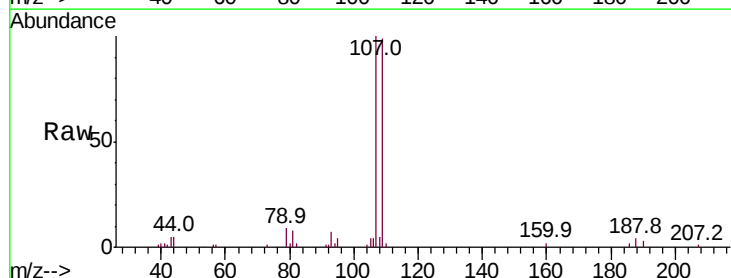
Acq: 23 Oct 2020 13:40

Tgt Ion:107 Resp: 15145

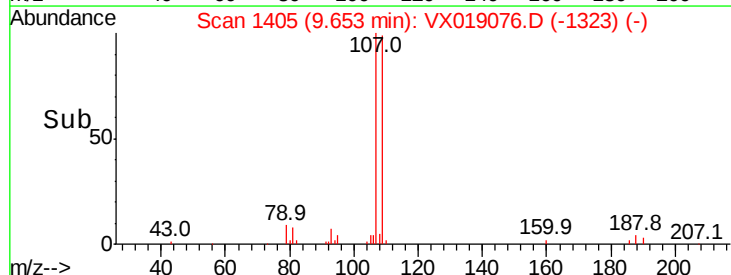
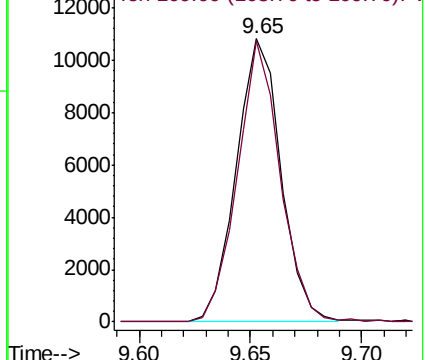
Ion Ratio Lower Upper

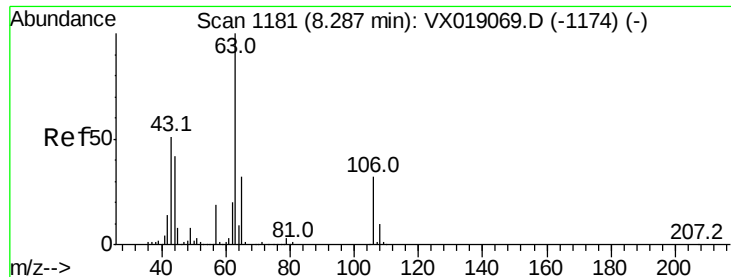
107 100

109 94.7 74.6 112.0



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

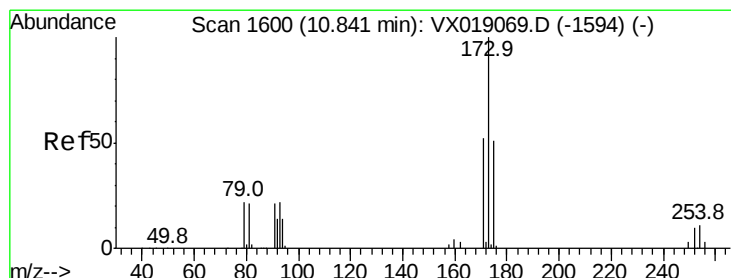
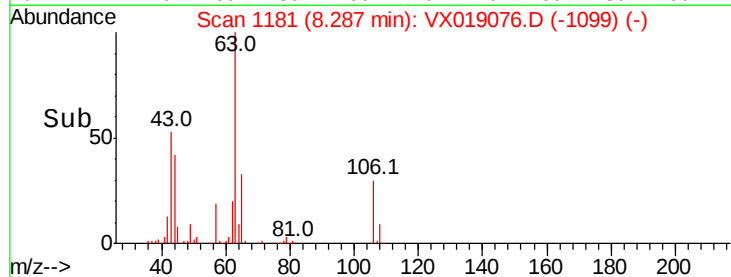
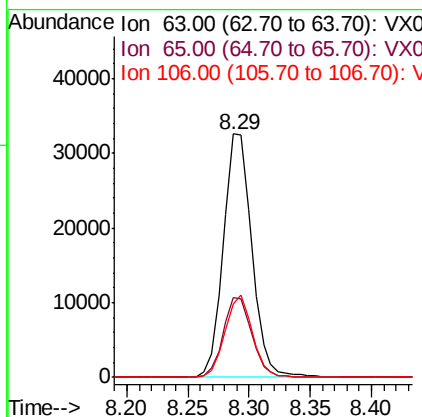
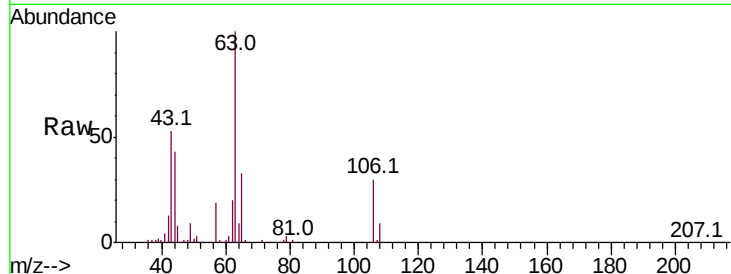




#55
2-Chloroethyl vinyl ether
Concen: 25.579 ug/l
RT: 8.29 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

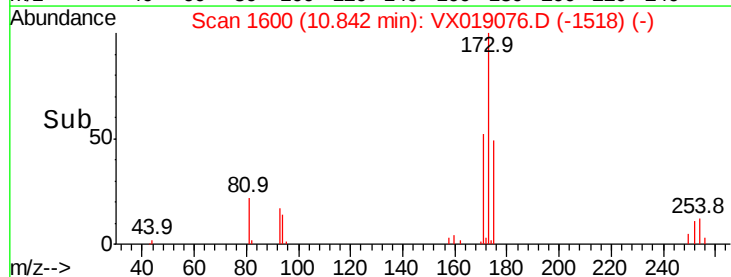
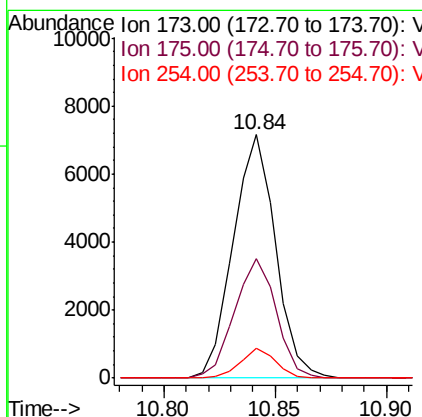
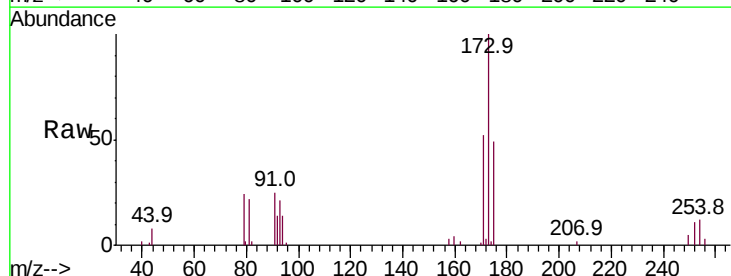
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

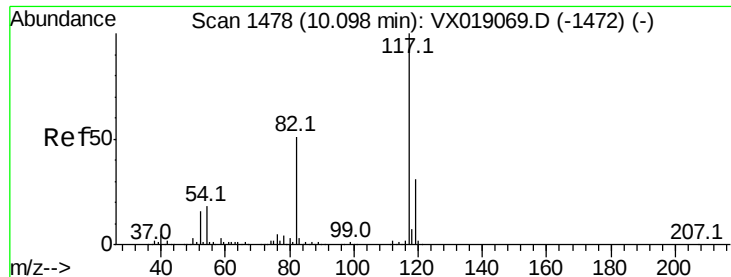
Tot Ion: 63 Resp: 52692
Ion Ratio Lower Upper
63 100
65 33.0 26.0 39.0
106 32.3 25.9 38.9



#56
Bromoform
Concen: 4.612 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion: 173 Resp: 9482
Ion Ratio Lower Upper
173 100
175 48.4 39.6 59.4
254 10.4 8.6 13.0

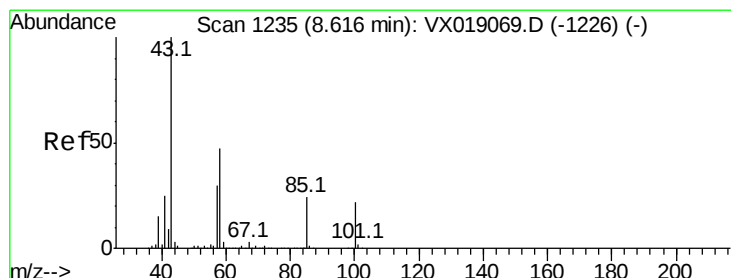
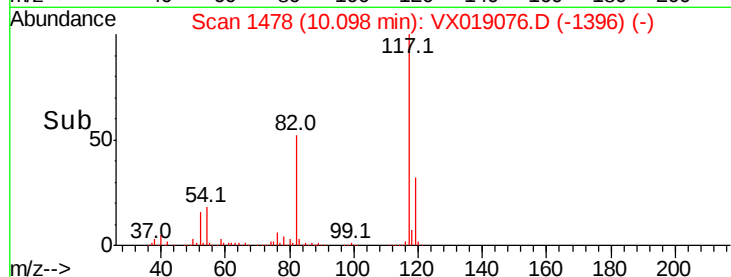
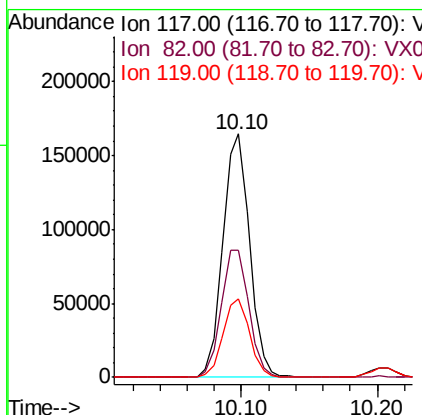
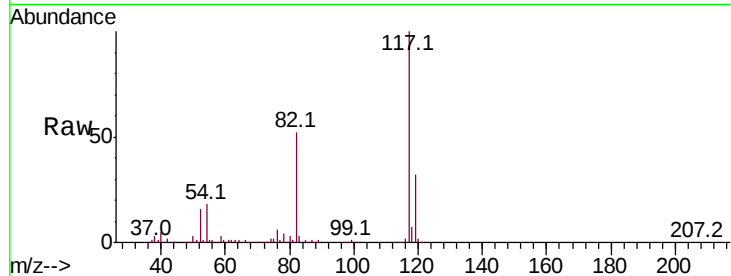




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

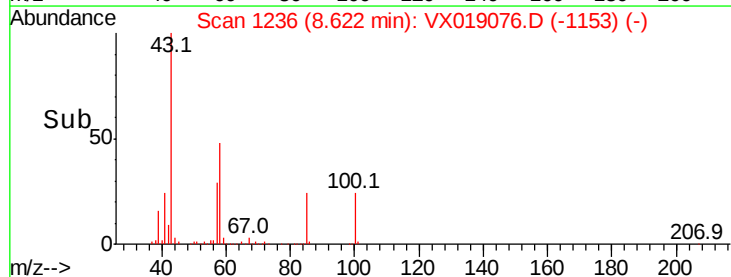
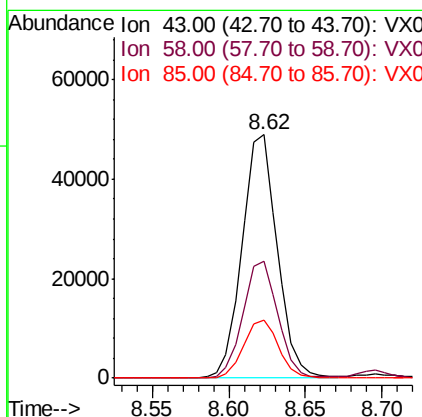
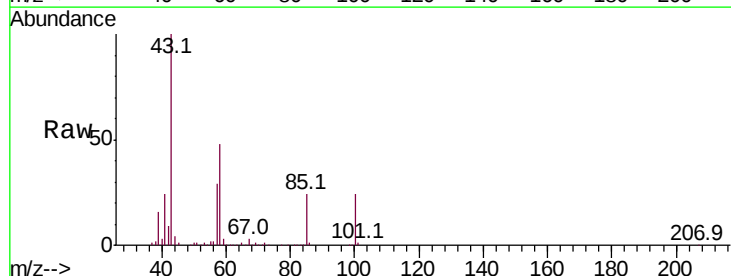
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

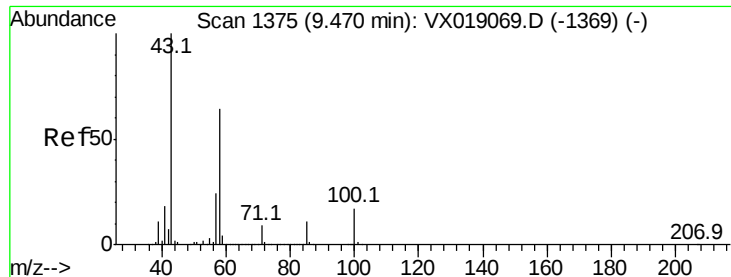
Tot Ion:117 Resp: 224598
Ion Ratio Lower Upper
117 100
82 54.1 42.5 63.7
119 32.1 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 27.704 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion: 43 Resp: 78468
Ion Ratio Lower Upper
43 100
58 47.7 37.6 56.4
85 23.7 19.4 29.2

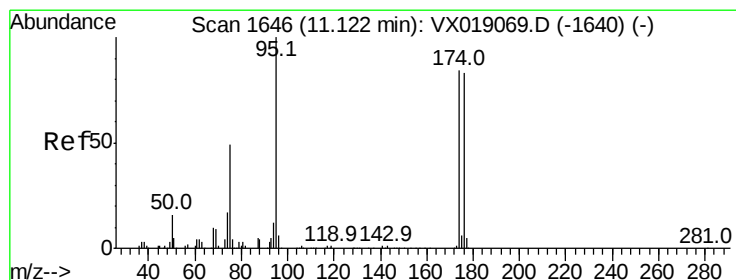
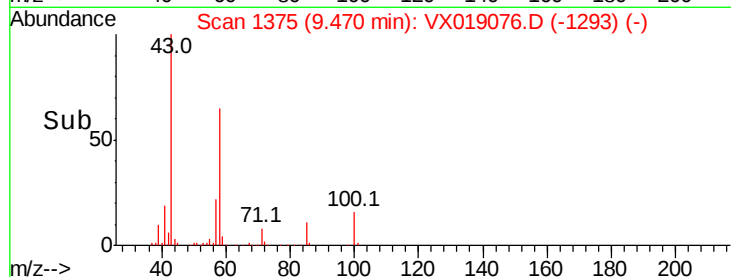
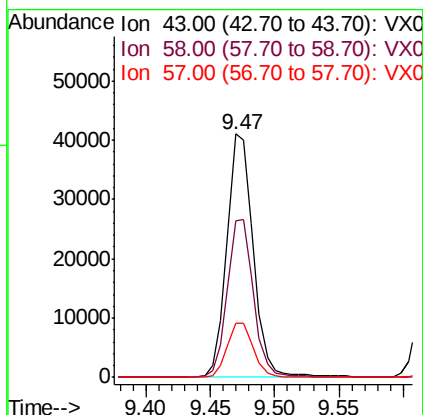
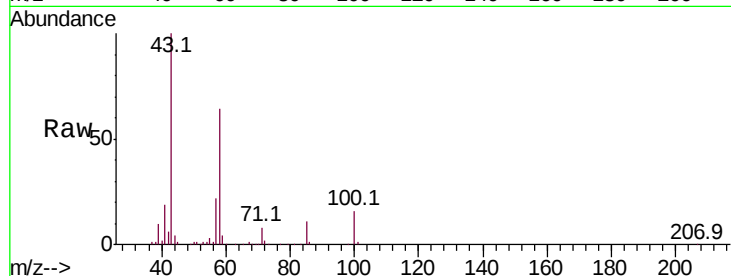




#59
2-Hexanone
Concen: 27.963 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

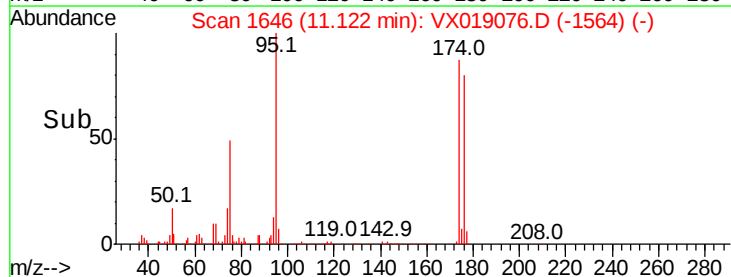
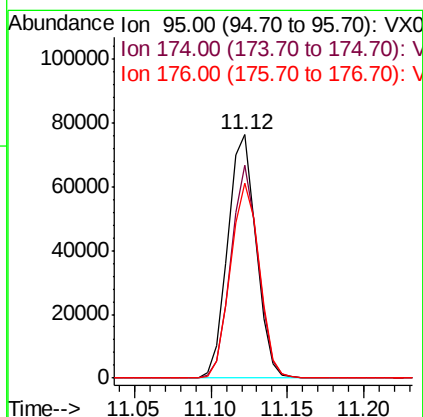
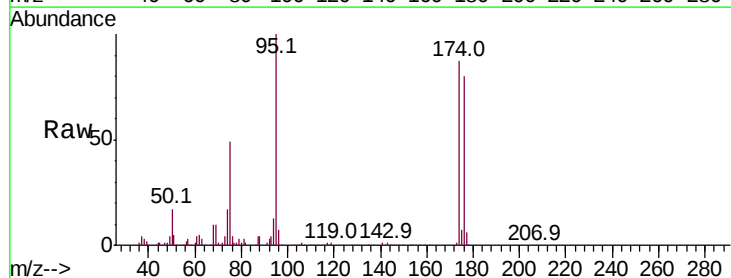
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

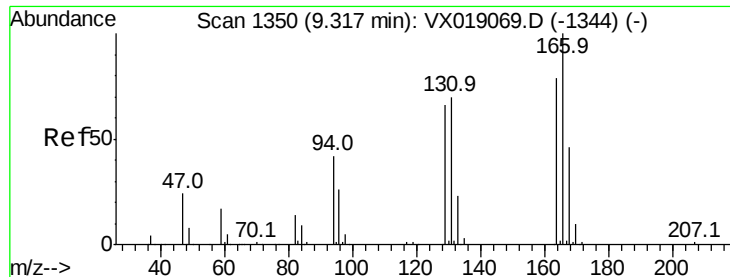
Tot Ion: 43 Resp: 59018
Ion Ratio Lower Upper
43 100
58 64.8 51.9 77.9
57 22.6 18.2 27.4



#60
4-Bromofluorobenzene
Concen: 29.206 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion: 95 Resp: 98456
Ion Ratio Lower Upper
95 100
174 84.3 66.3 99.5
176 81.4 65.5 98.3





#61

Tetrachloroethene

Concen: 5.318 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:164 Resp: 14171

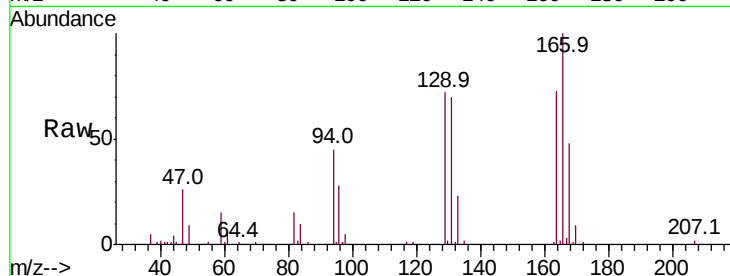
Ion Ratio Lower Upper

164 100

166 137.1 101.9 152.9

129 99.0 67.0 100.6

131 96.1 71.1 106.7

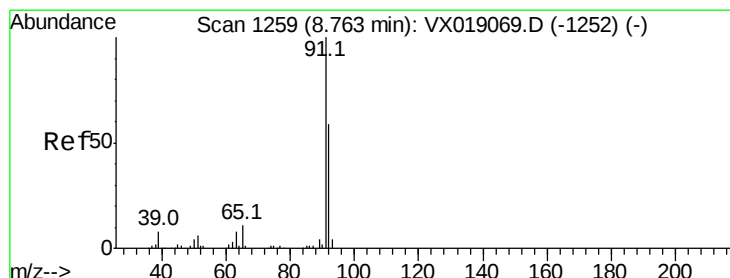
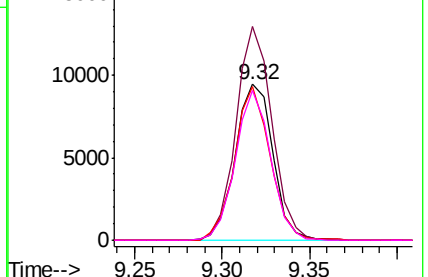
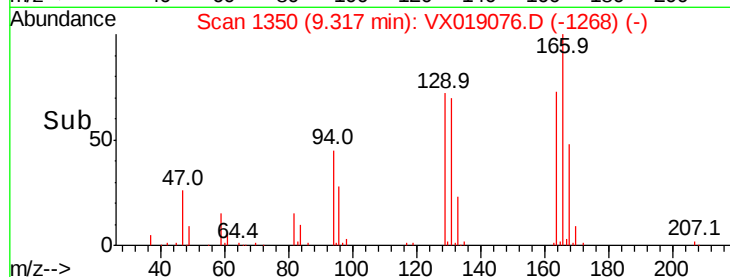


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.351 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019076.D

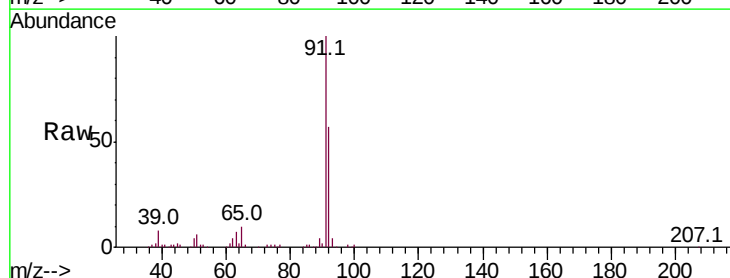
Acq: 23 Oct 2020 13:40

Tgt Ion: 91 Resp: 63159

Ion Ratio Lower Upper

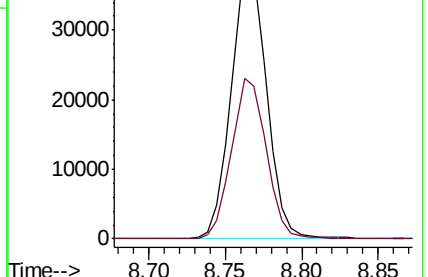
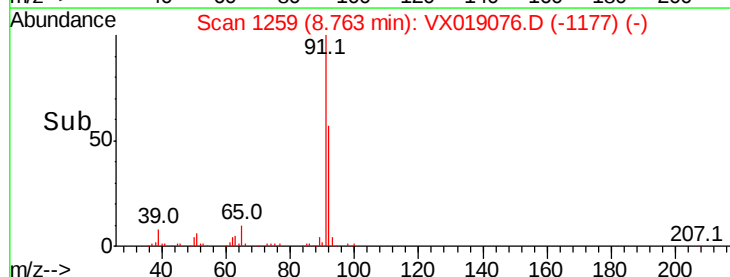
91 100

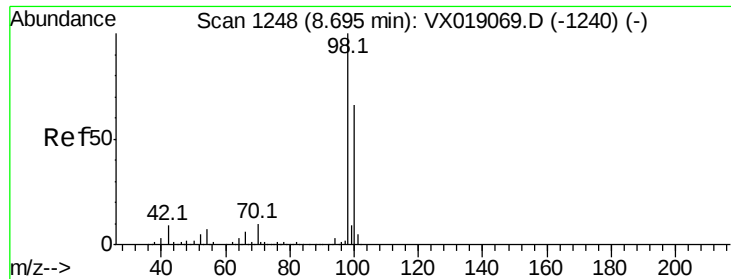
92 57.6 47.3 70.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

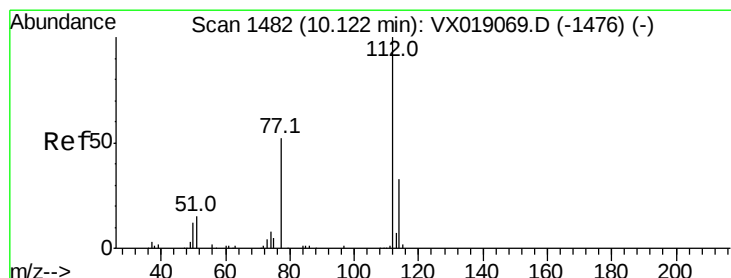
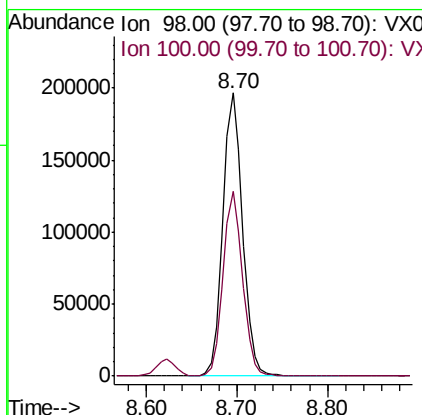
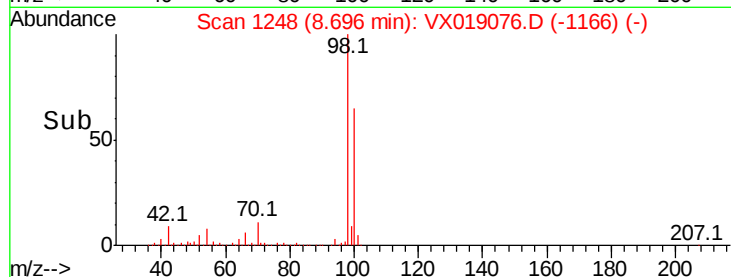
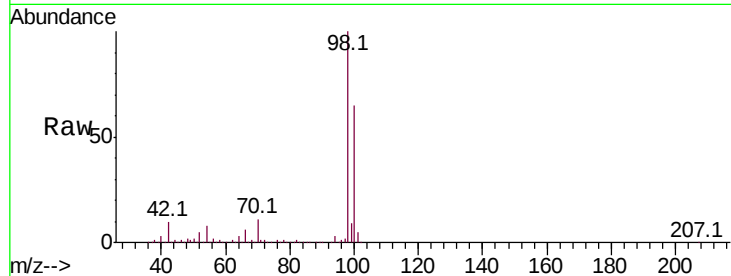




#63
Toluene-d8
Concen: 30.050 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

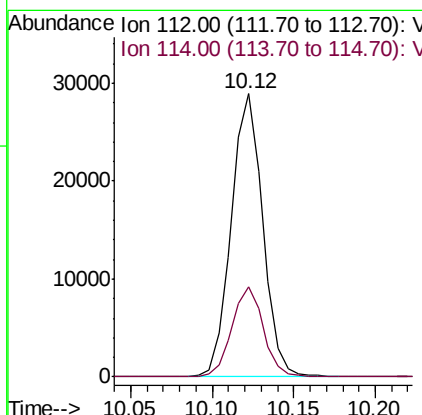
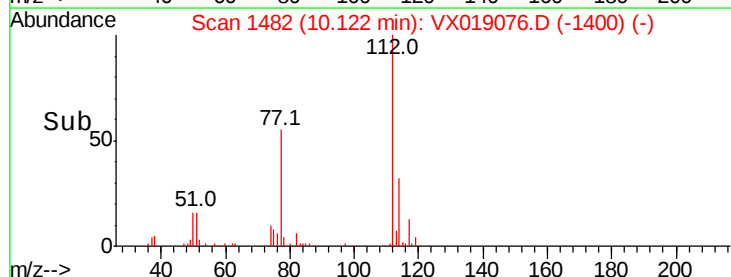
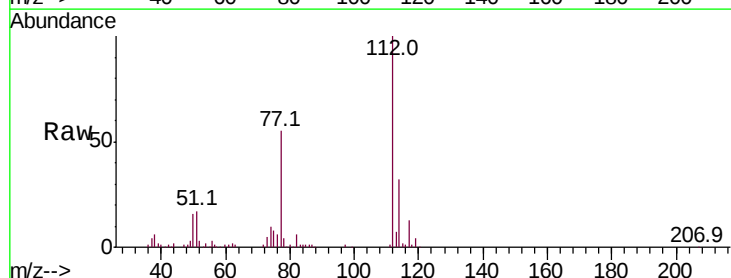
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

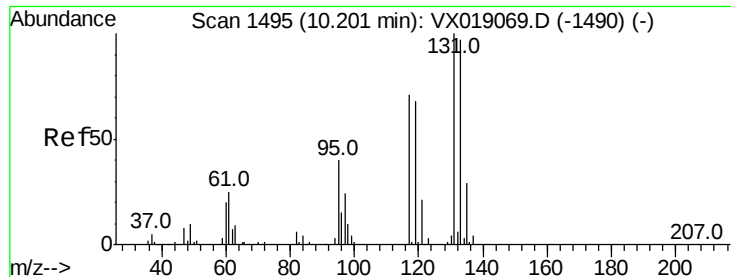
Tot Ion: 98 Resp: 297986
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#64
Chlorobenzene
Concen: 5.293 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion: 112 Resp: 38837
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 5.115 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

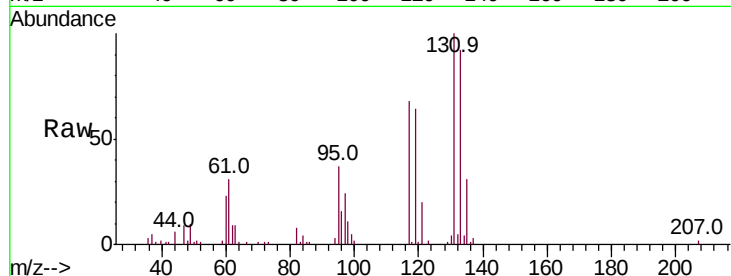
Tot Ion:131 Resp: 13649

Ion Ratio Lower Upper

131 100

133 95.5 0.0 191.6

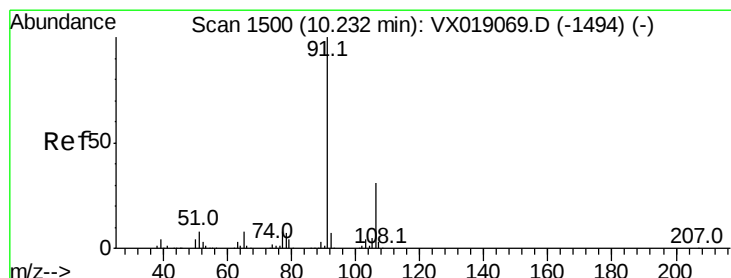
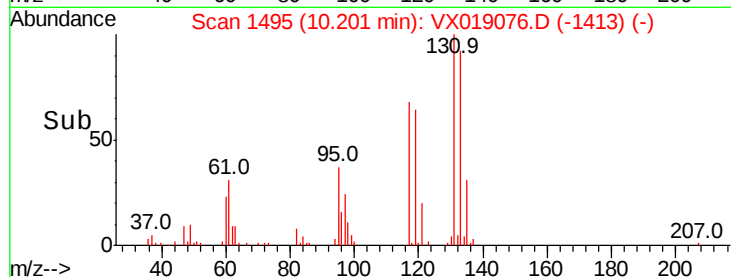
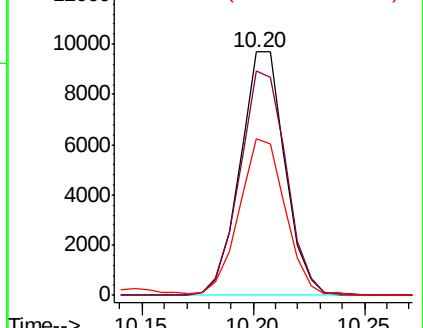
119 66.0 0.0 130.0



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: 5.350 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019076.D

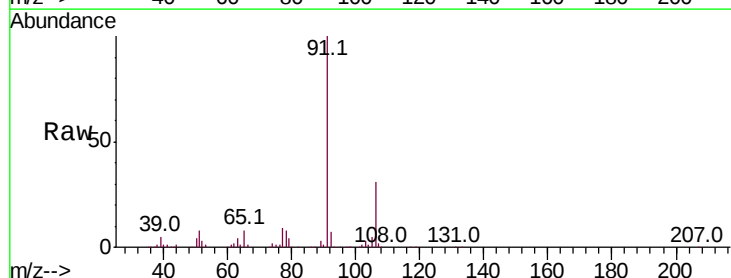
Acq: 23 Oct 2020 13:40

Tgt Ion: 91 Resp: 69240

Ion Ratio Lower Upper

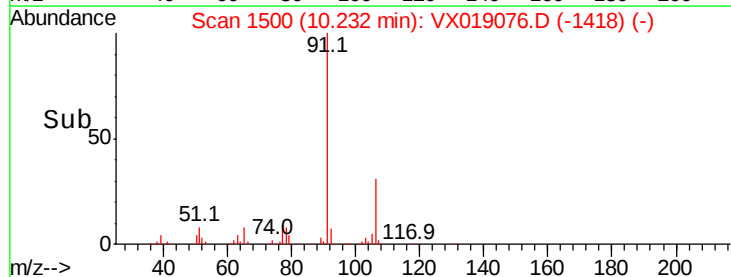
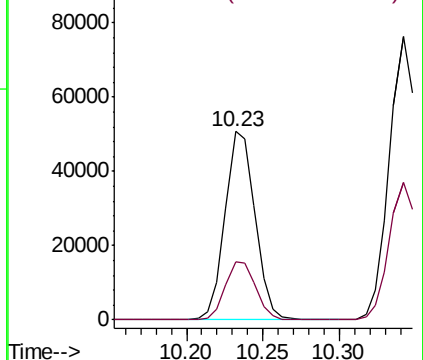
91 100

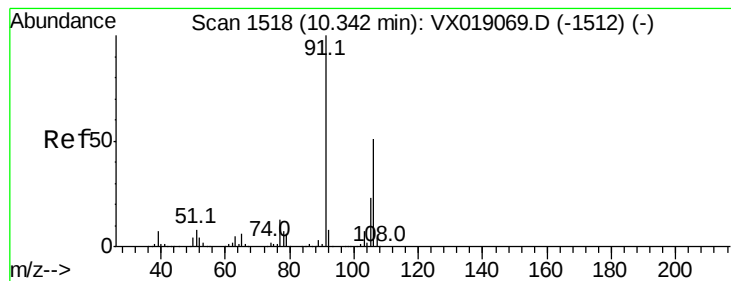
106 30.7 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 10.187 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

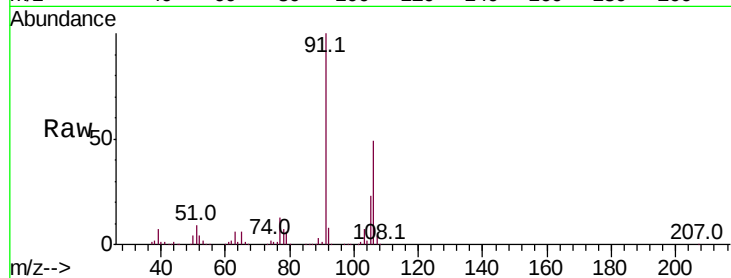
LOQ-WATER-02-QT4-2020

Tot Ion:106 Resp: 50276

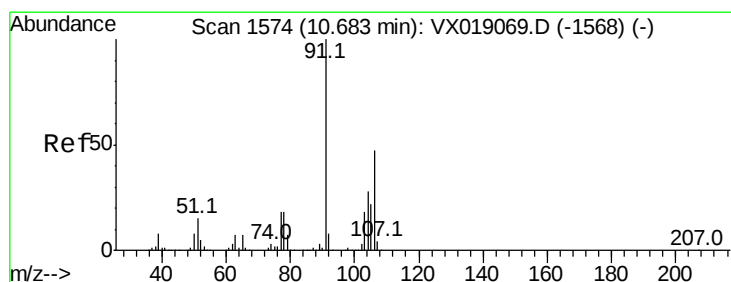
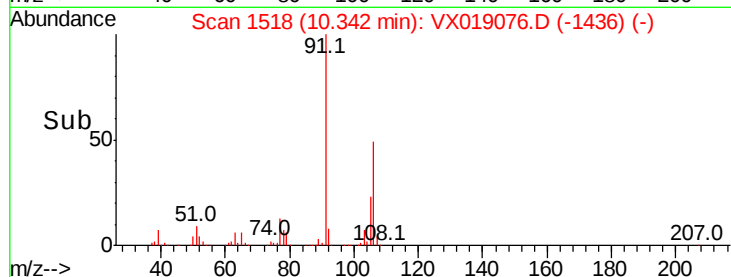
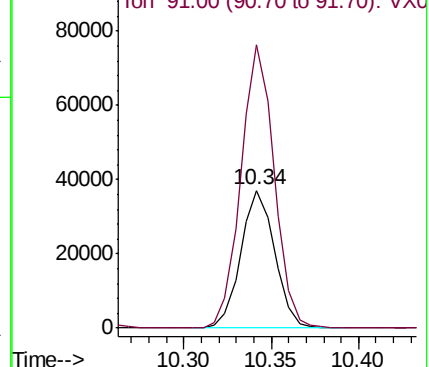
Ion Ratio Lower Upper

106 100

91 199.6 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V



#68

o-Xylene

Concen: 5.120 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019076.D

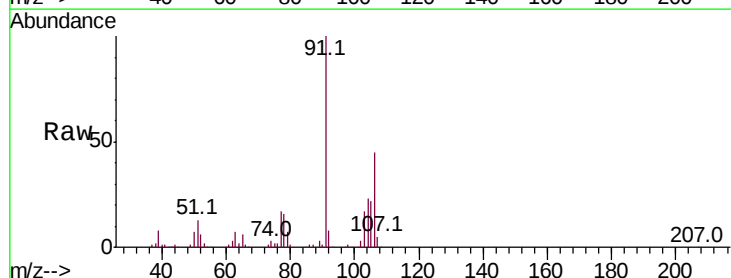
Acq: 23 Oct 2020 13:40

Tgt Ion:106 Resp: 24099

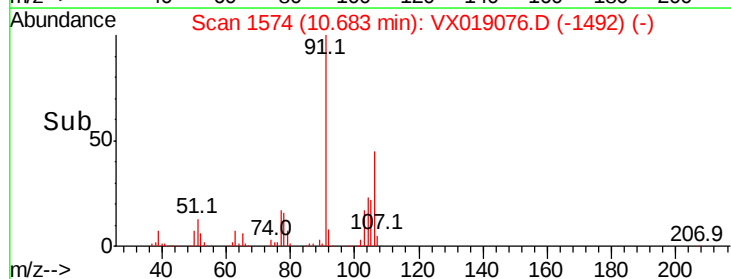
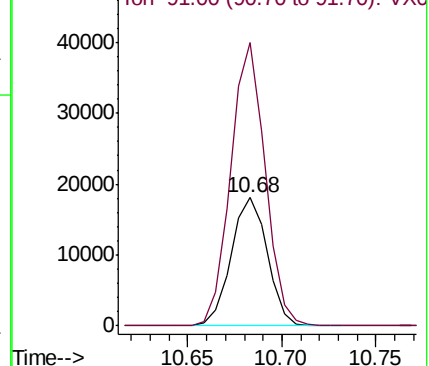
Ion Ratio Lower Upper

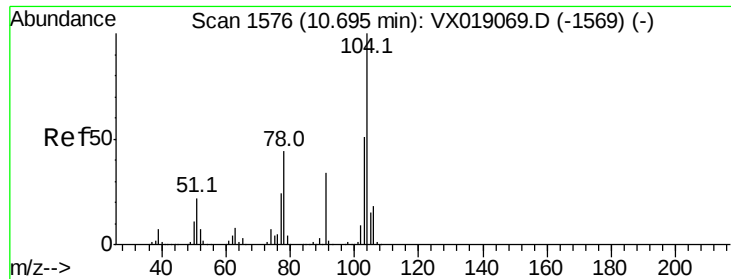
106 100

91 211.6 103.8 311.4



Abundance Ion 106.00 (105.70 to 106.70): V

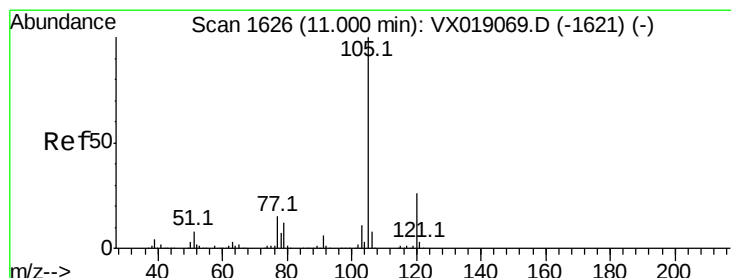
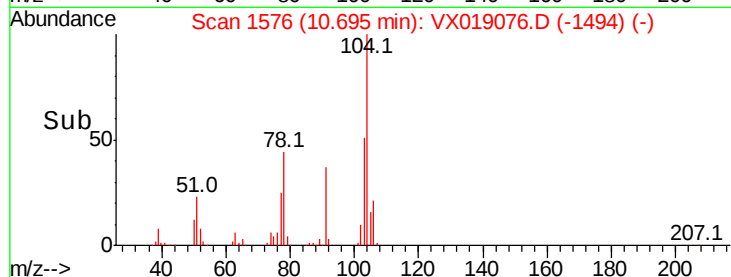
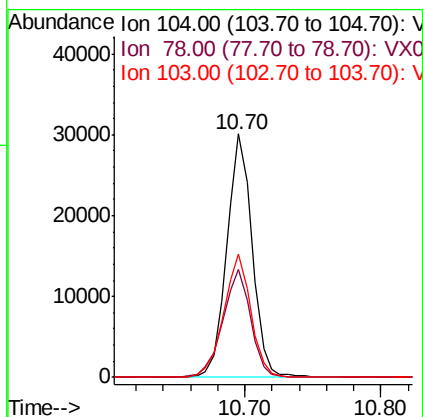
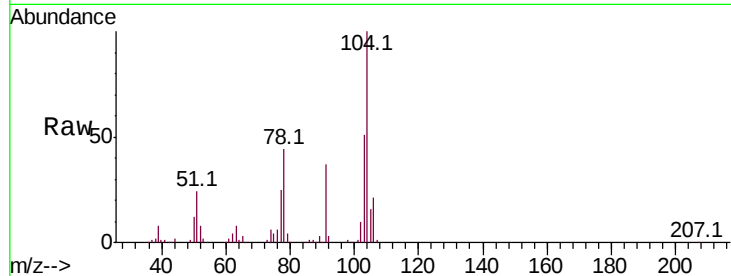




#69
Stvrene
Concen: 4.903 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

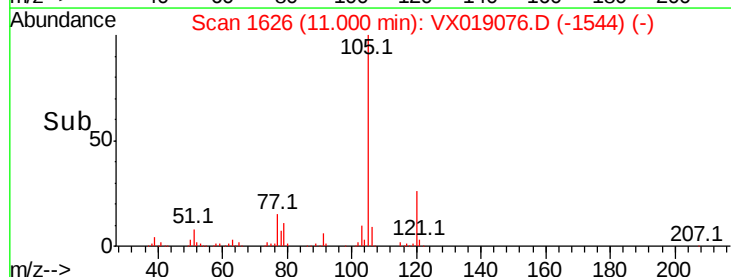
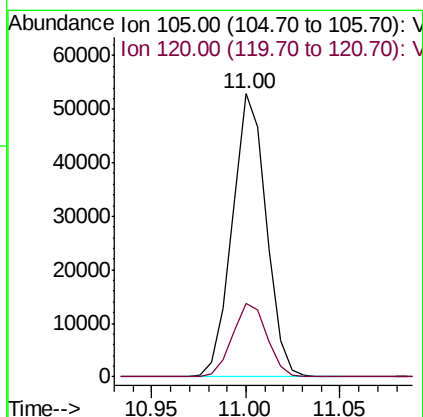
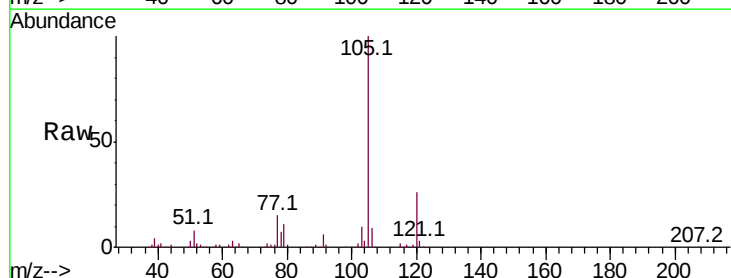
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

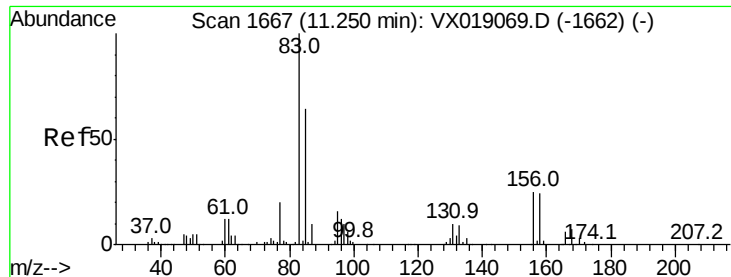
Tot Ion:104 Resp: 38881
Ion Ratio Lower Upper
104 100
78 48.5 38.6 58.0
103 54.1 43.4 65.2



#70
Isopropylbenzene
Concen: 5.232 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion:105 Resp: 66224
Ion Ratio Lower Upper
105 100
120 26.5 19.0 35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 5.147 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

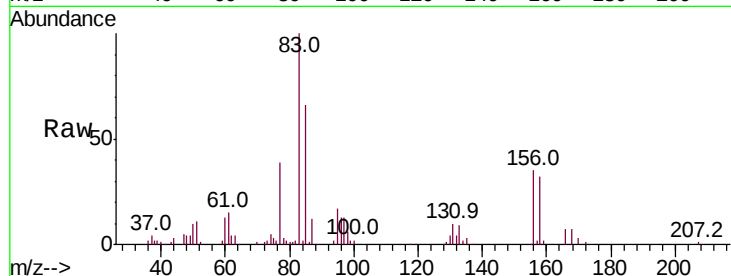
Tot Ion: 83 Resp: 18806

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

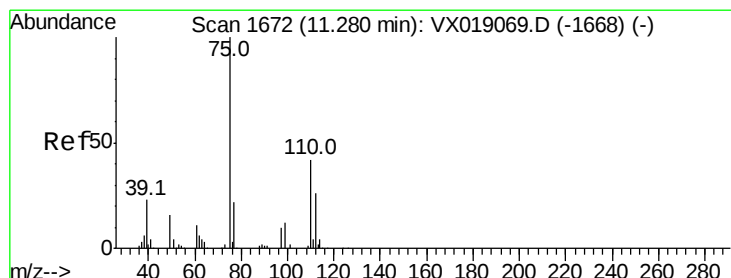
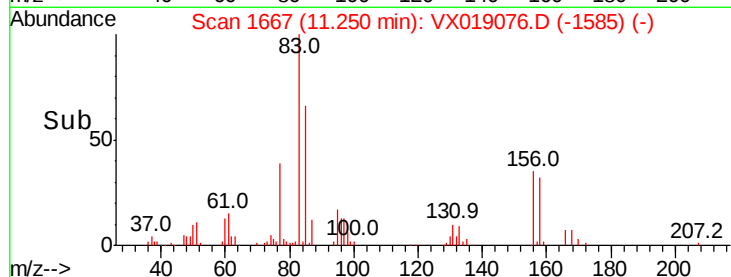
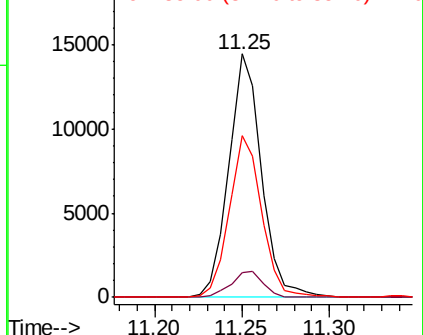
85 66.3 32.5 97.4



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: 6.780 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019076.D

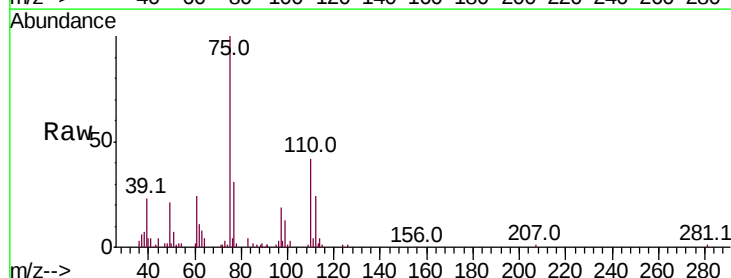
Acq: 23 Oct 2020 13:40

Tgt Ion: 75 Resp: 22279

Ion Ratio Lower Upper

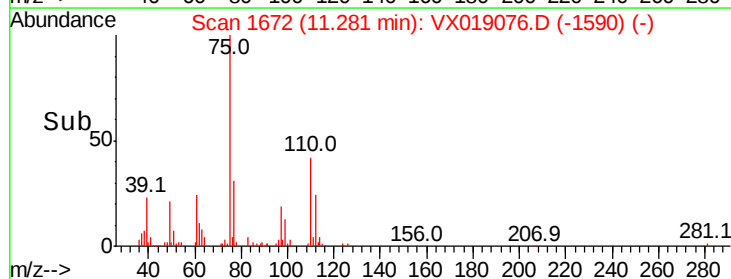
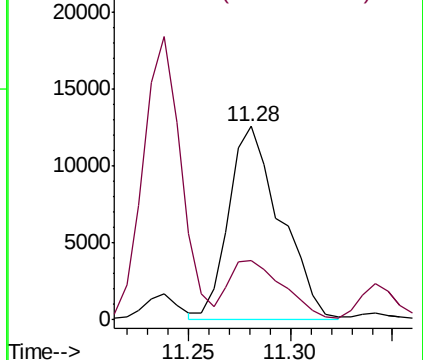
75 100

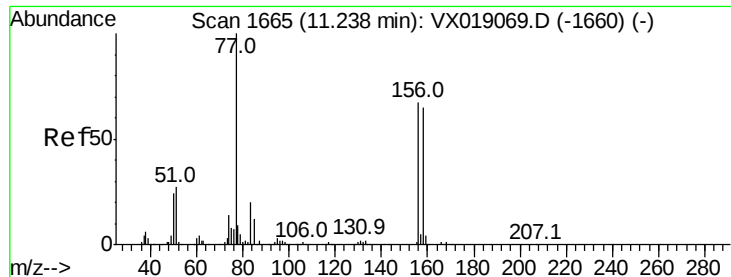
77 32.6 0.0 81.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 5.018 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

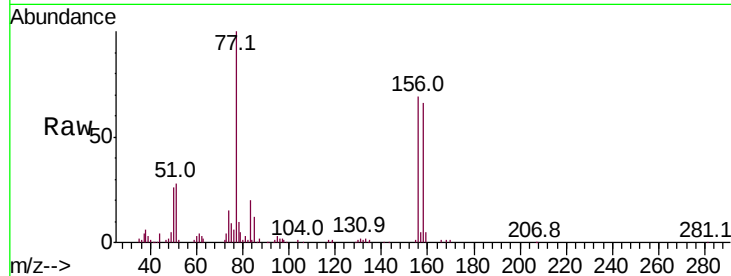
Tot Ion:156 Resp: 15521

Ion Ratio Lower Upper

156 100

77 153.1 0.0 299.6

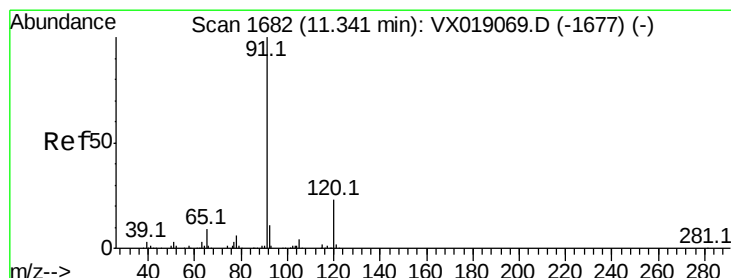
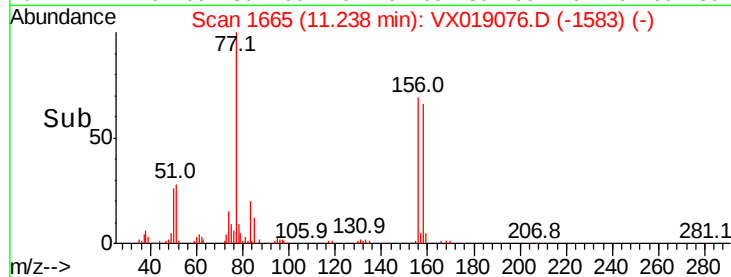
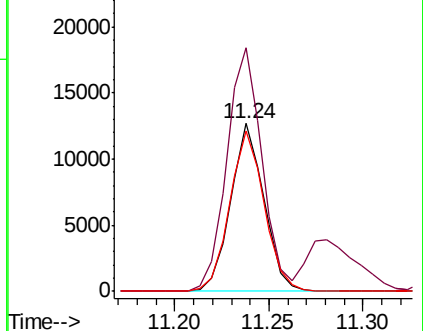
158 99.0 0.0 192.2



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: 5.136 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019076.D

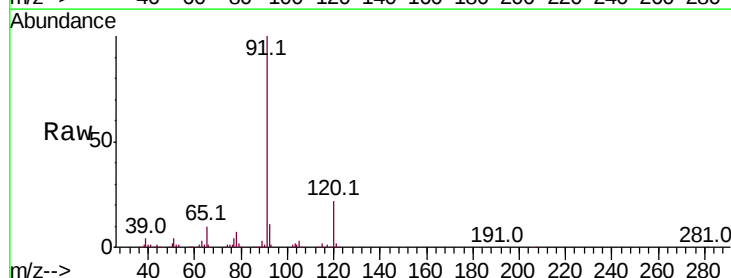
Acq: 23 Oct 2020 13:40

Tgt Ion: 91 Resp: 73602

Ion Ratio Lower Upper

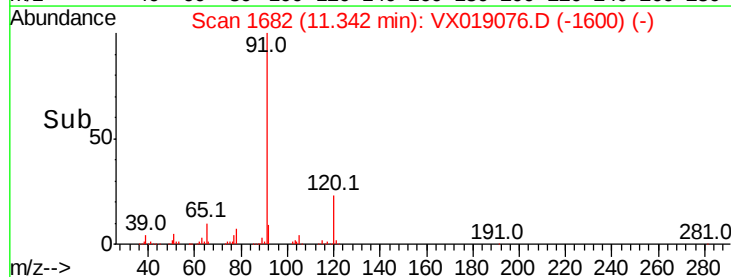
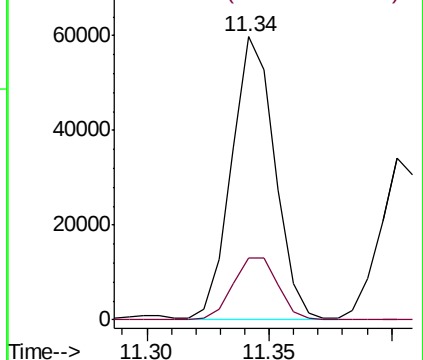
91 100

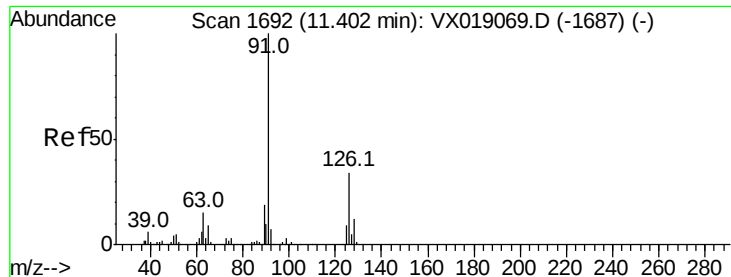
120 23.3 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.327 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

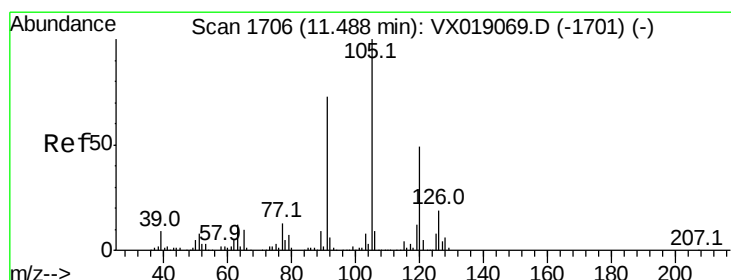
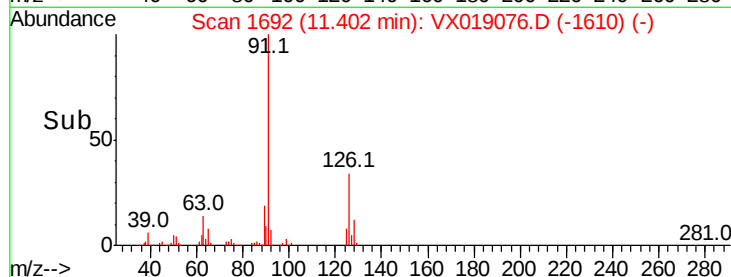
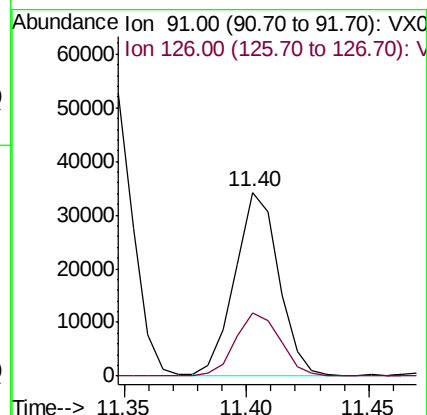
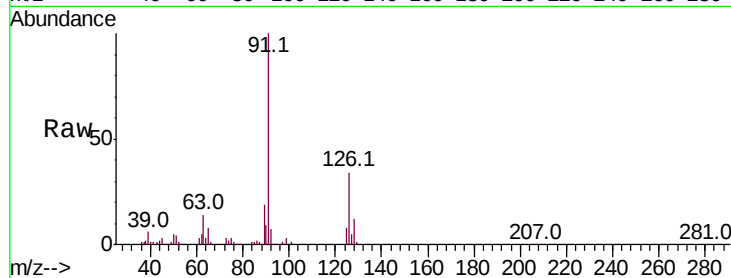
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 43178

Ion Ratio Lower Upper

91 100

126 34.7 0.0 69.0



#76

1,3,5-Trimethylbenzene

Concen: 5.117 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019076.D

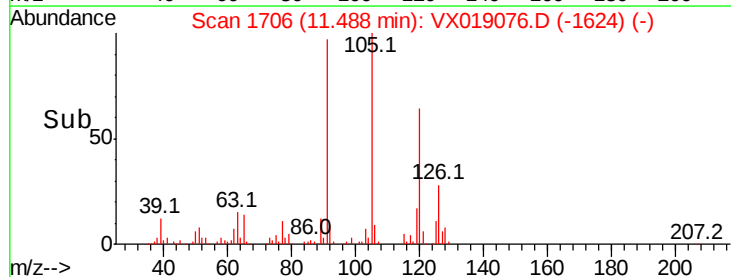
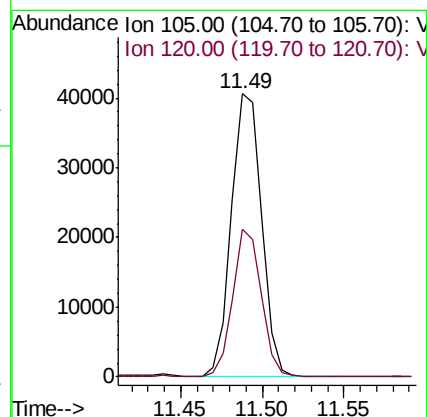
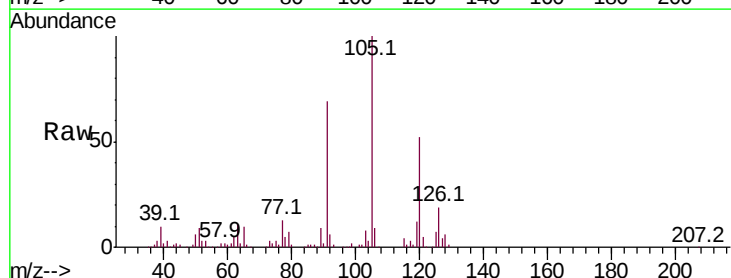
Acq: 23 Oct 2020 13:40

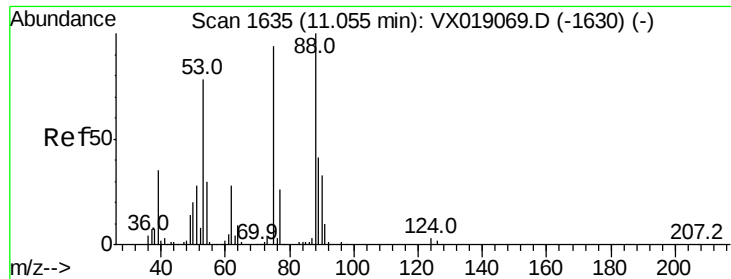
Tgt Ion: 105 Resp: 52554

Ion Ratio Lower Upper

105 100

120 49.1 0.0 100.2





#77

t-1,4-Dichloro-2-butene

Concen: 4.818 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

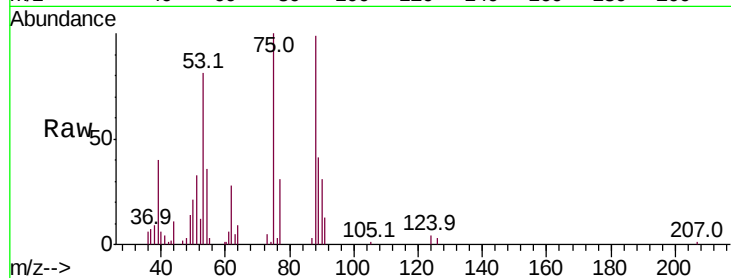
Tot Ion: 75 Resp: 6287

Ion Ratio Lower Upper

75 100

53 81.0 41.6 124.8

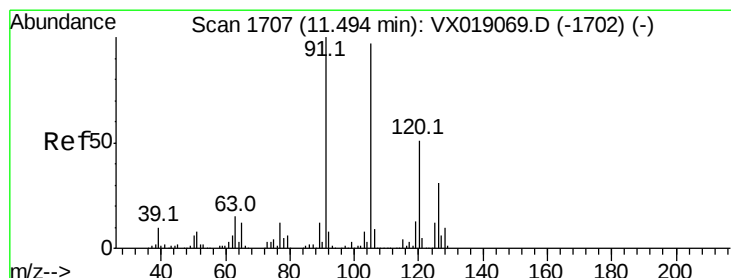
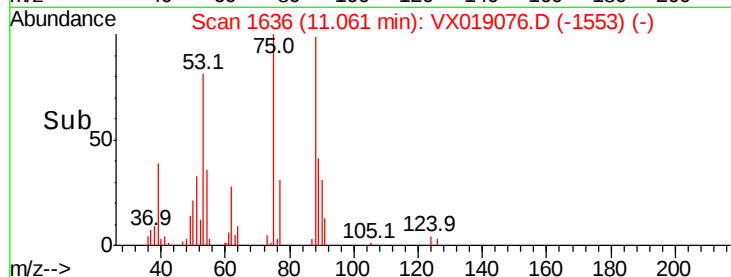
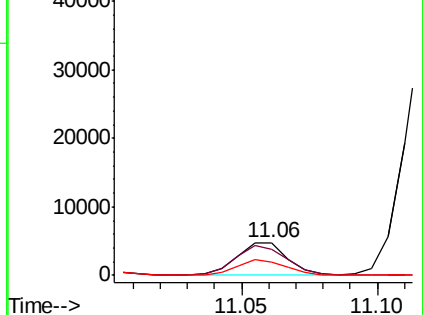
89 40.7 21.8 65.3



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 5.136 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX019076.D

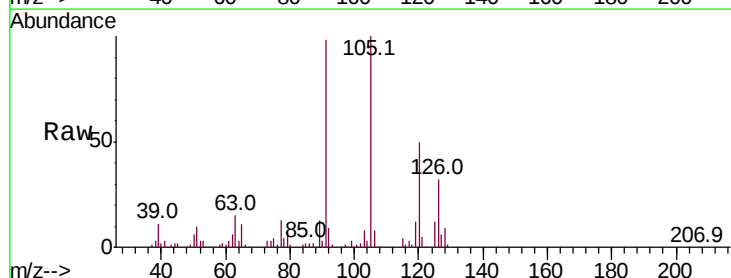
Acq: 23 Oct 2020 13:40

Tgt Ion: 91 Resp: 48922

Ion Ratio Lower Upper

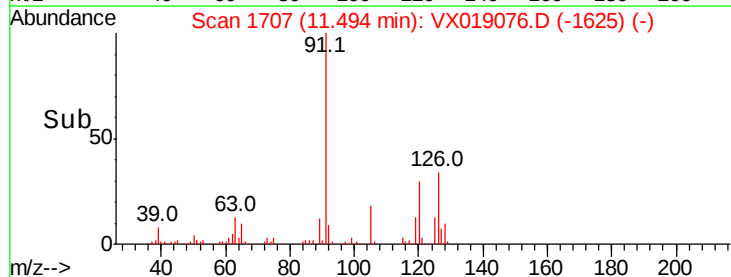
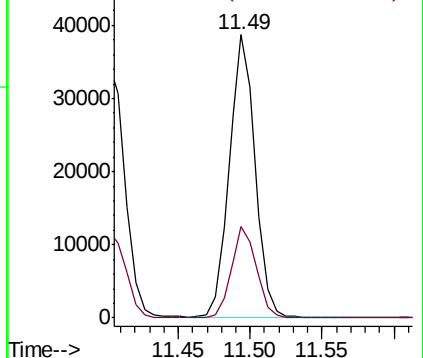
91 100

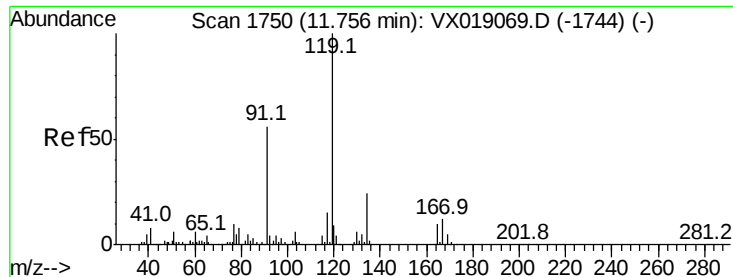
126 31.0 0.0 61.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

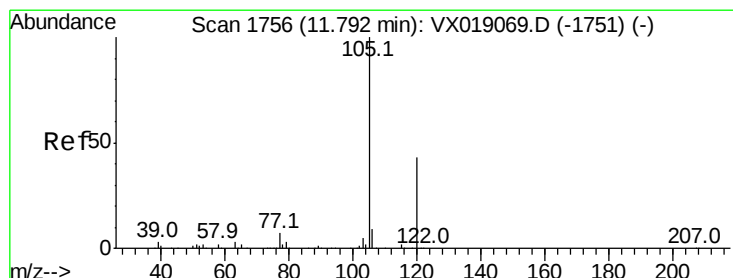
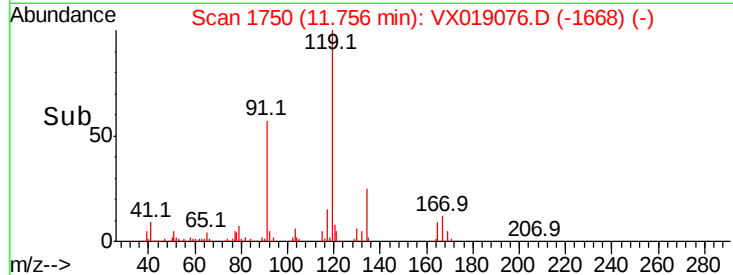
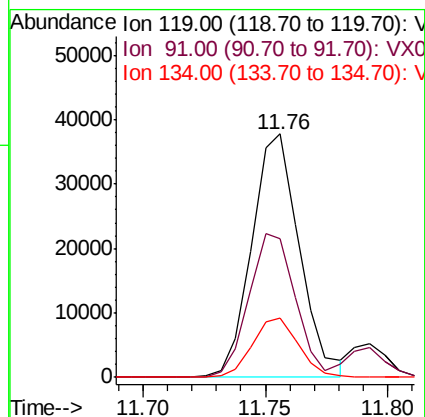
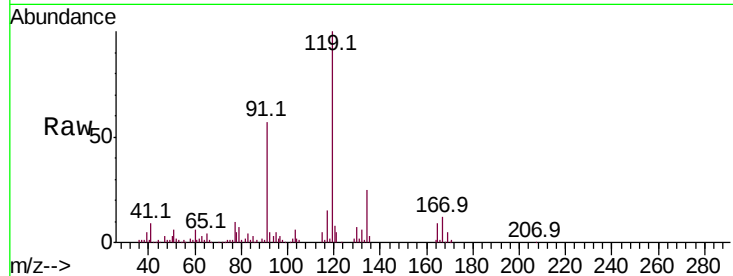




#79
tert-butylbenzene
Concen: 5.074 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

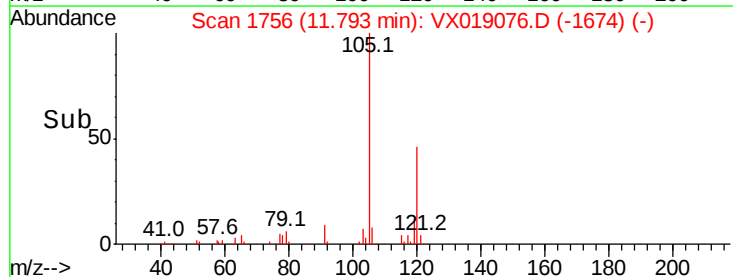
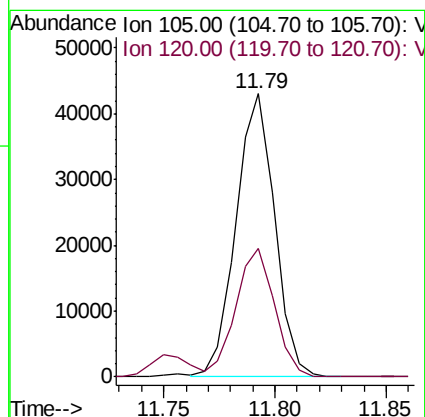
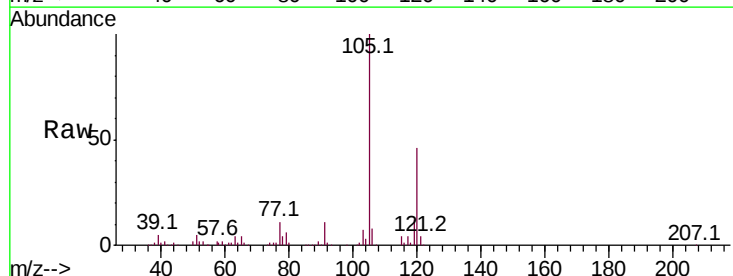
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

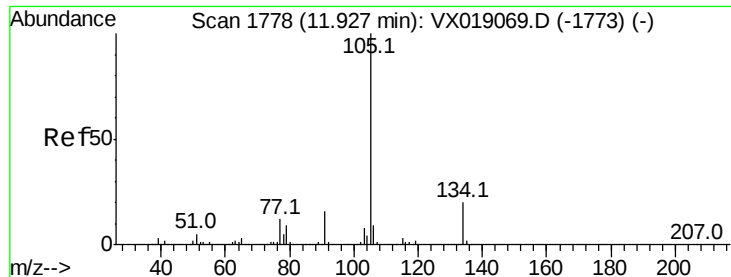
Tot Ion:119 Resp: 51318
Ion Ratio Lower Upper
119 100
91 57.3 0.0 111.4
134 23.5 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 5.101 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion:105 Resp: 52077
Ion Ratio Lower Upper
105 100
120 45.7 0.0 92.0





#81

sec-Butylbenzene

Concen: 5.208 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

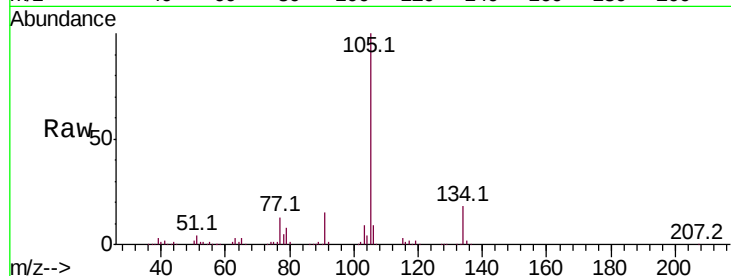
LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 62326

Ion Ratio Lower Upper

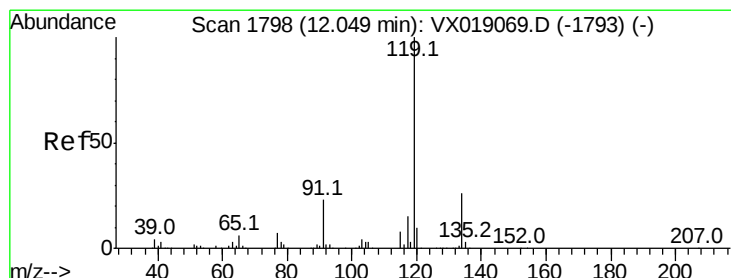
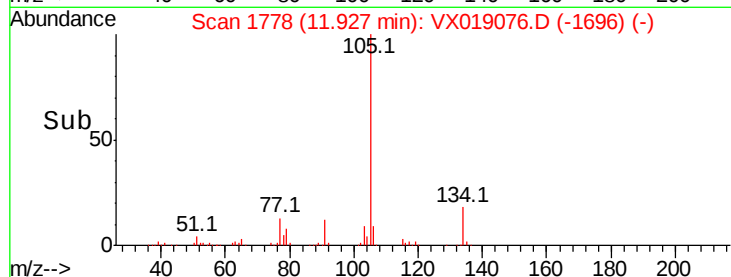
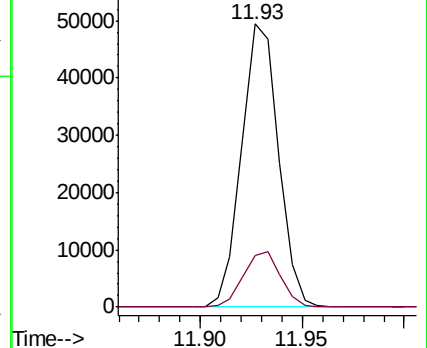
105 100

134 19.8 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 4.930 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

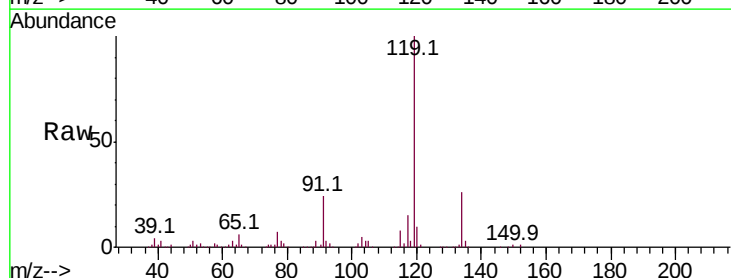
Tgt Ion:119 Resp: 54373

Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.0

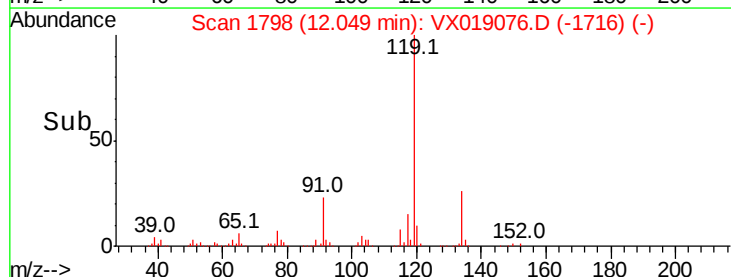
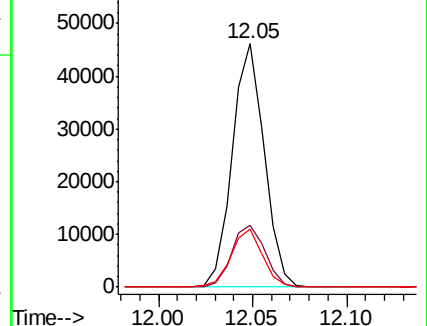
91 23.5 0.0 45.6

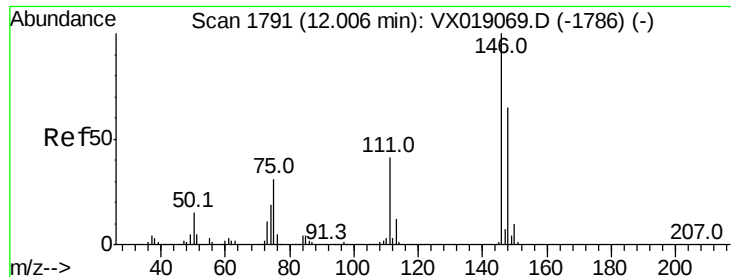


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

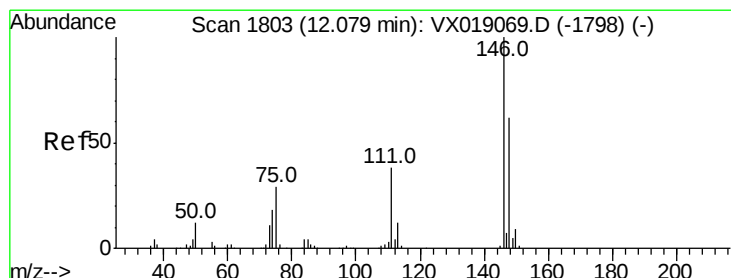
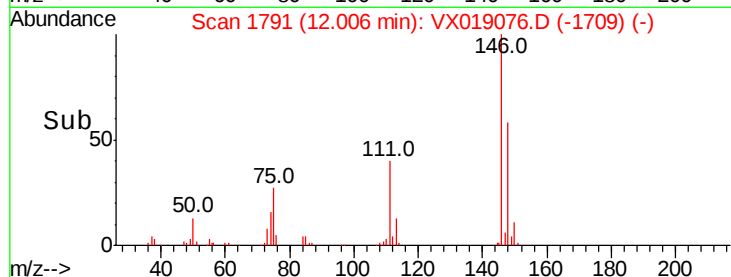
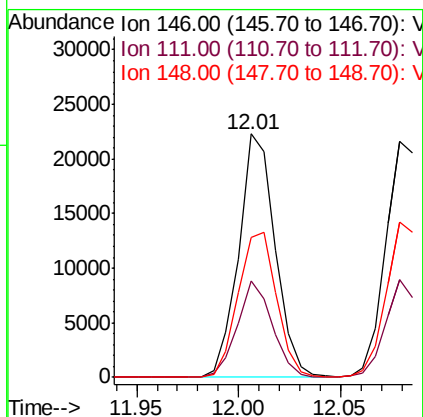
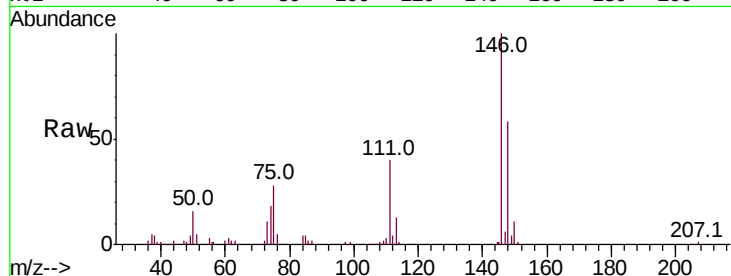




#83
 1,3-Dichlorobenzene
 Concen: 5.012 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019076.D
 Acq: 23 Oct 2020 13:40

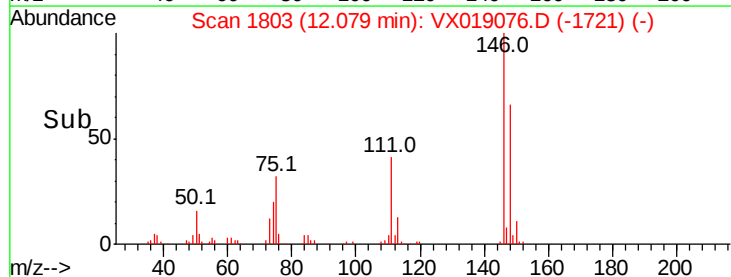
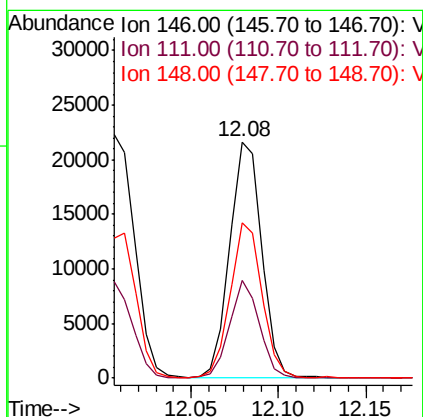
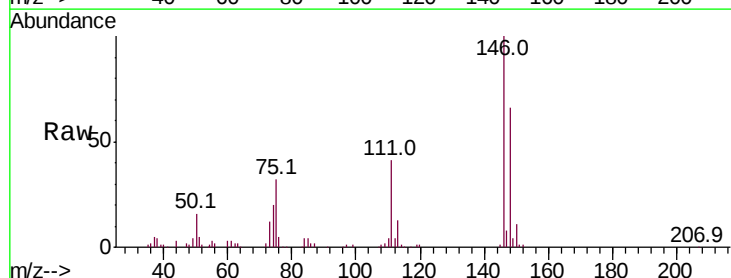
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

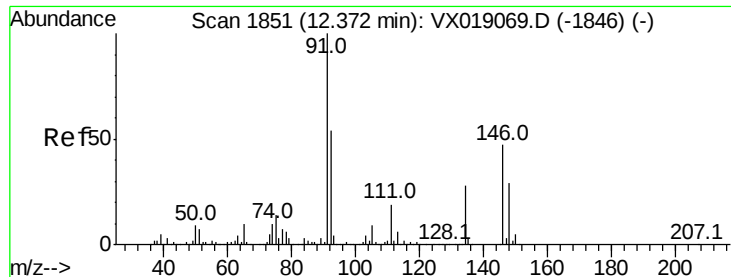
Tot Ion:146 Resp: 27707
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.0 59.9
 148 62.9 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 4.936 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019076.D
 Acq: 23 Oct 2020 13:40

Tgt Ion:146 Resp: 27706
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.7
 148 65.2 31.6 95.0

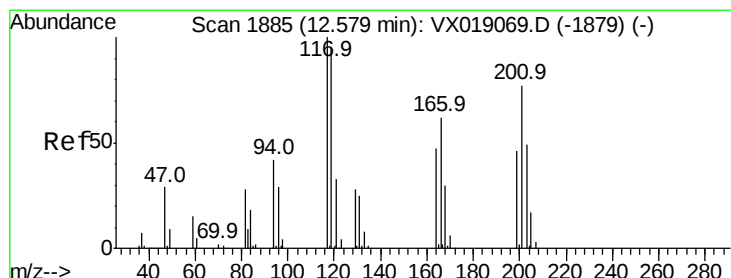
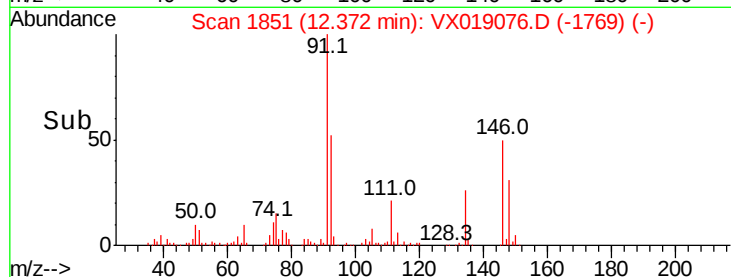
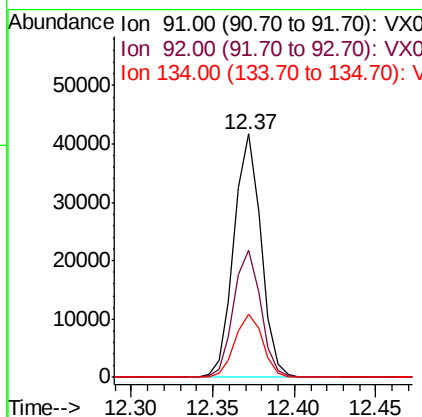
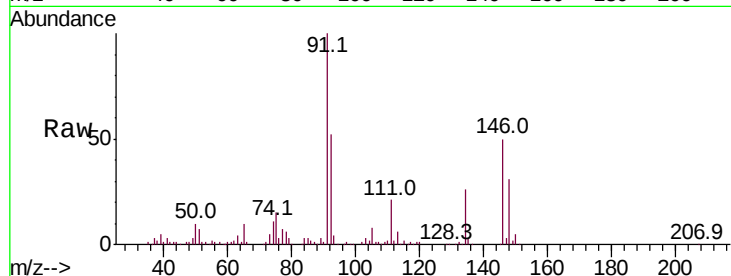




#85
n-Butylbenzene
Concen: 4.891 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

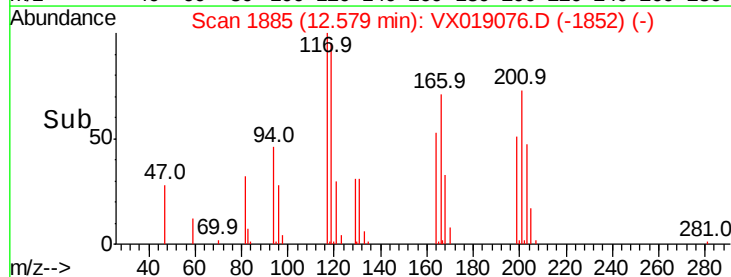
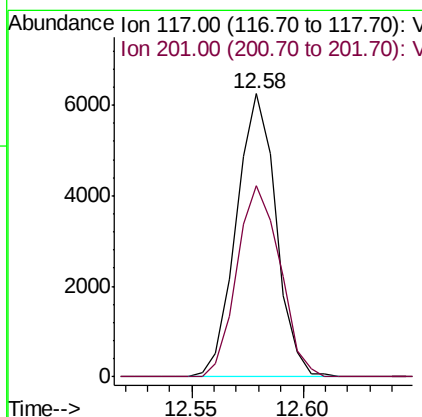
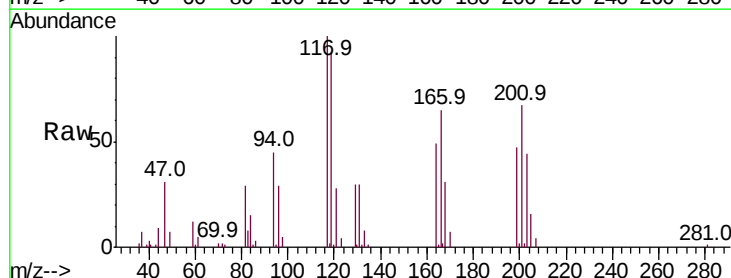
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

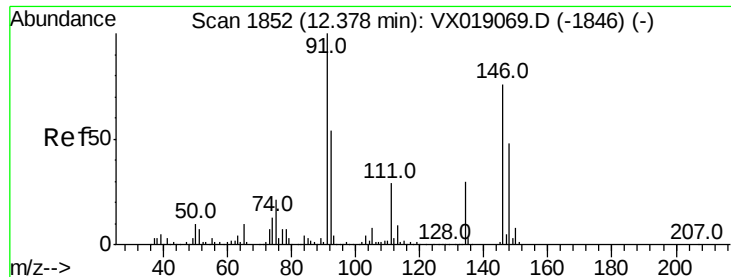
Tot Ion: 91 Resp: 48294
Ion Ratio Lower Upper
91 100
92 52.5 0.0 107.4
134 26.6 0.0 54.6



#86
Hexachloroethane
Concen: 4.597 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019076.D
Acq: 23 Oct 2020 13:40

Tgt Ion: 117 Resp: 7787
Ion Ratio Lower Upper
117 100
201 73.4 38.4 115.1

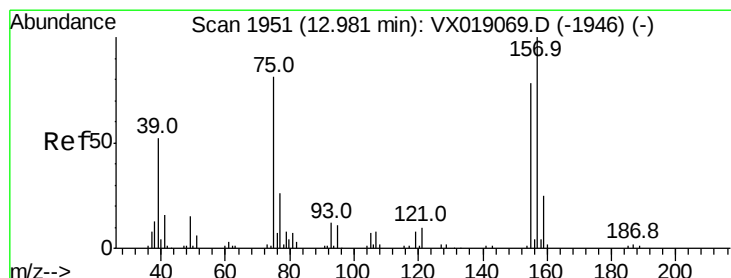
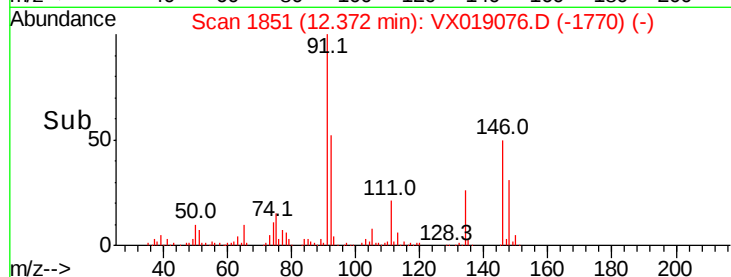
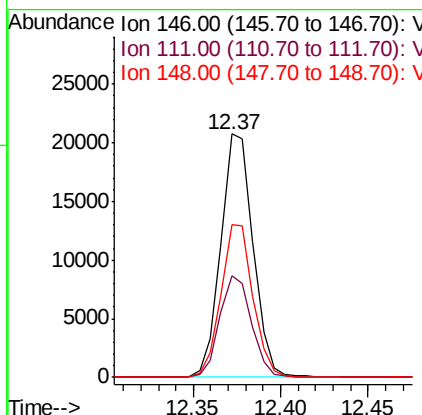
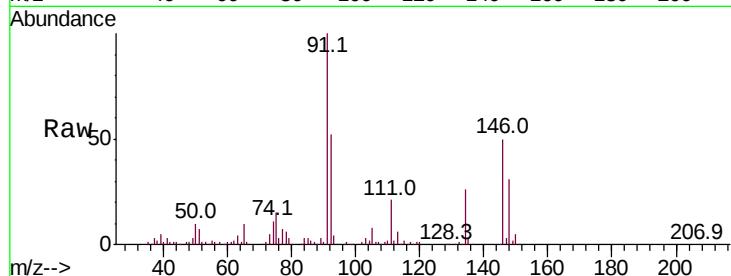




#87
 1,2-Dichlorobenzene
 Concen: 5.029 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX019076.D
 Acq: 23 Oct 2020 13:40

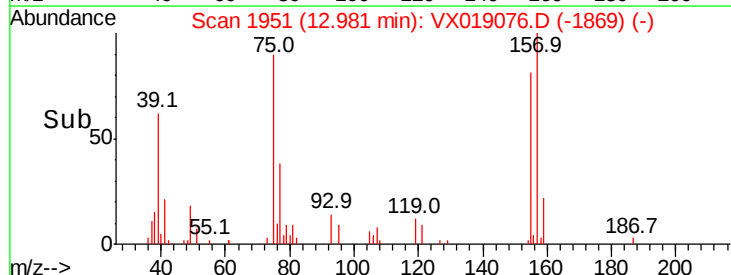
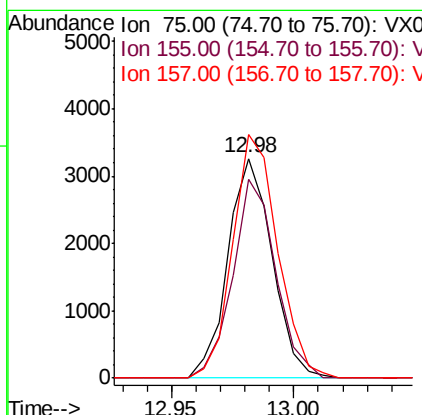
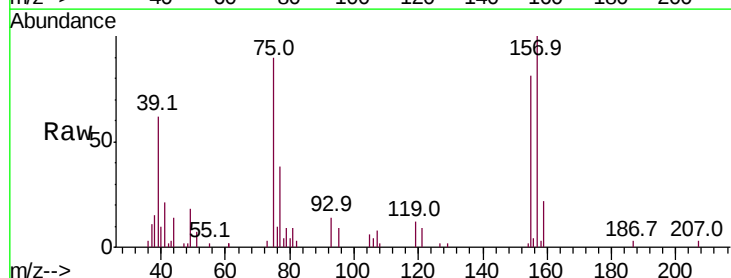
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

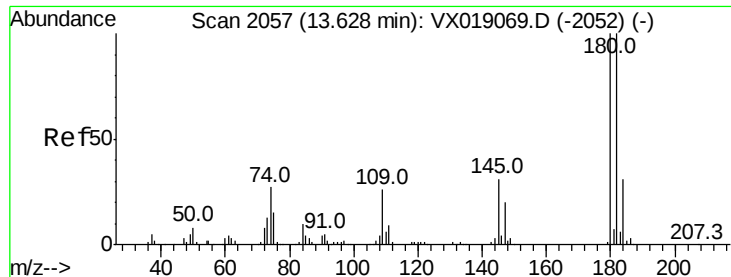
Tot Ion:146 Resp: 26616
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.3 61.0
 148 62.4 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.954 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019076.D
 Acq: 23 Oct 2020 13:40

Tgt Ion: 75 Resp: 4097
 Ion Ratio Lower Upper
 75 100
 155 88.3 73.7 110.5
 157 112.4 96.5 144.7

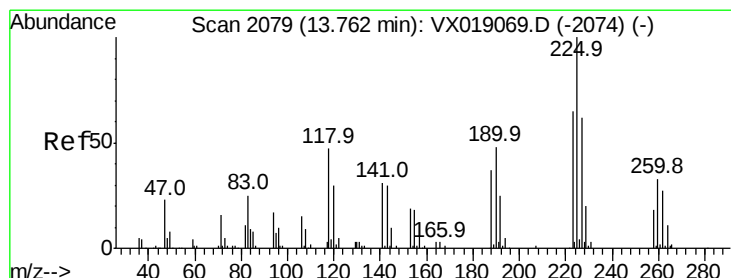
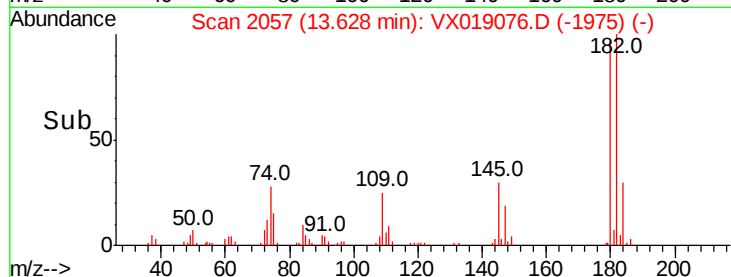
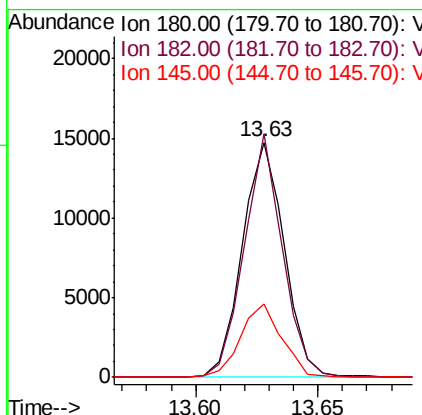
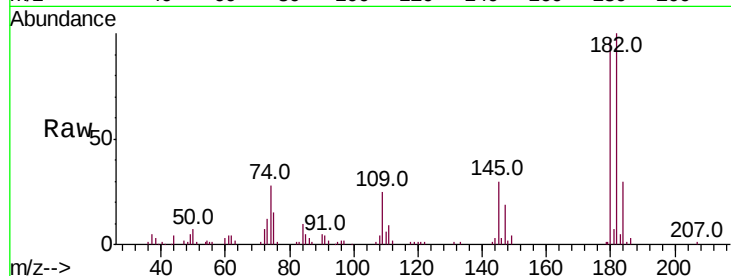




#89
 1,2,4-Trichlorobenzene
 Concen: 4.625 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019076.D
 Acq: 23 Oct 2020 13:40

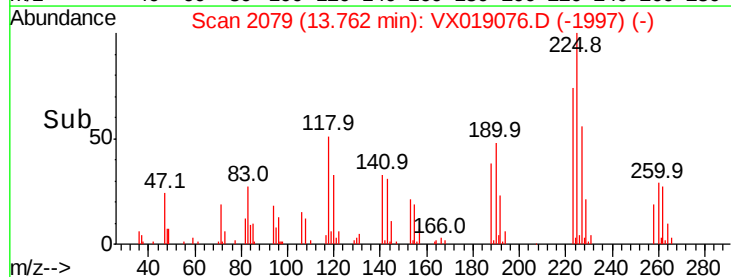
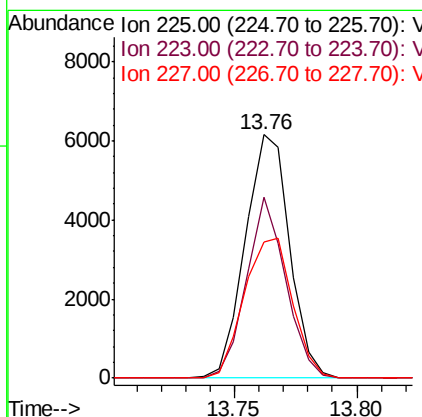
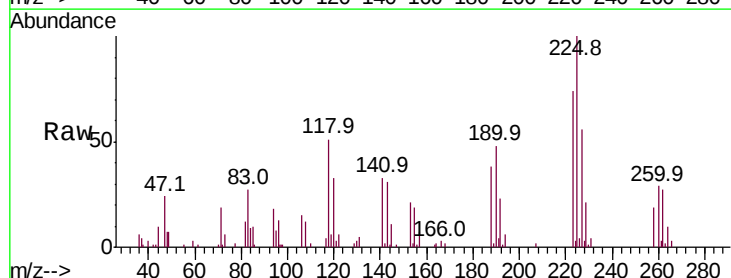
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

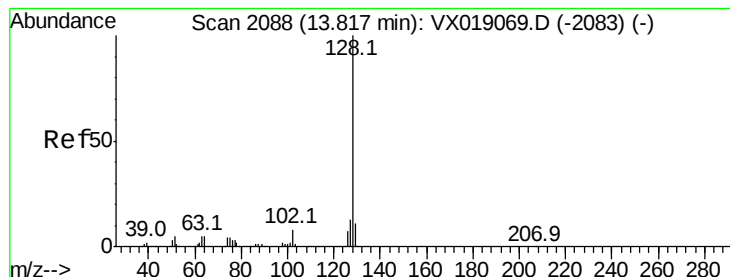
Tot Ion:180 Resp: 17614
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.5 114.7
 145 30.8 24.2 36.4



#90
 Hexachlorobutadiene
 Concen: 4.811 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX019076.D
 Acq: 23 Oct 2020 13:40

Tgt Ion:225 Resp: 7770
 Ion Ratio Lower Upper
 225 100
 223 65.8 0.0 130.0
 227 62.1 0.0 128.6





#91

Naphthalene

Concen: 4.441 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

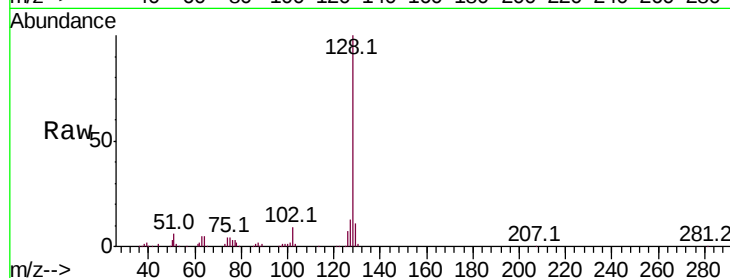
Tot Ion:128 Resp: 55374

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

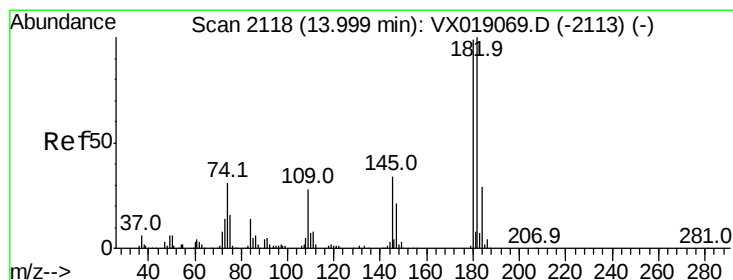
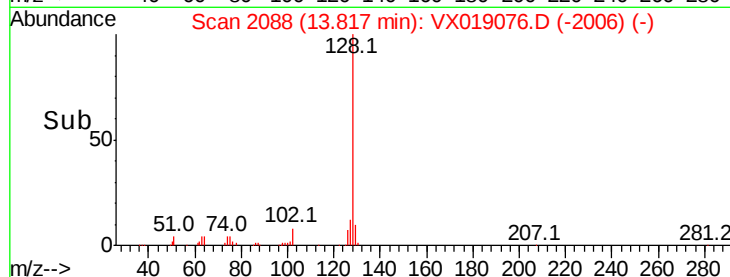
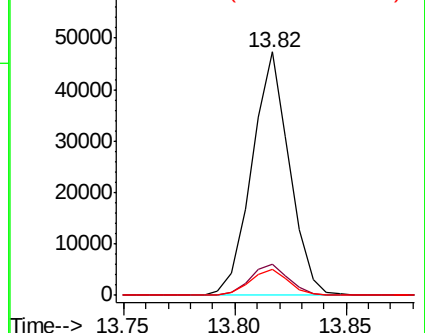
129 11.2 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 4.789 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019076.D

Acq: 23 Oct 2020 13:40

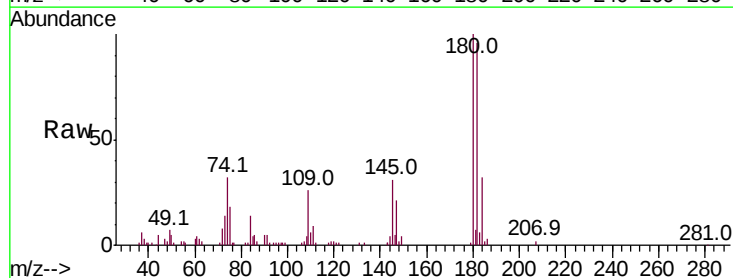
Tgt Ion:180 Resp: 17546

Ion Ratio Lower Upper

180 100

182 96.3 0.0 192.4

145 30.7 0.0 64.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

