

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061553.D
 Acq On : 29 May 2020 00:46
 Operator : JC/MD
 Sample : L2182-08 5.00PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Quant Time: May 29 02:50:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	289432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	525665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	489462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	195845	56.79	ug/l	0.00
Spiked Amount			Recovery	=	113.58%	
35) Dibromofluoromethane	7.55	113	147309	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
50) Toluene-d8	10.06	98	610358	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.38	95	210732	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	11090	3.666	ug/l	99
3) Chloromethane	2.03	50	18065	5.117	ug/l	96
4) Vinyl Chloride	2.16	62	24765	5.119	ug/l	100
5) Bromomethane	2.54	94	16322	5.880	ug/l	90
6) Chloroethane	2.67	64	16004	5.140	ug/l	99
7) Trichlorofluoromethane	2.98	101	31904	5.114	ug/l	100
8) Diethyl Ether	3.37	74	10155	5.324	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14250	5.148	ug/l #	84
10) Methyl Iodide	3.90	142	18444	4.800	ug/l	100
11) Tert butyl alcohol	4.74	59	12559	27.381	ug/l #	90
12) 1,1-Dichloroethene	3.69	96	15377	5.199	ug/l	93
13) Acrolein	3.57	56	8161	46.406	ug/l	98
14) Allyl chloride	4.28	41	20634	5.337	ug/l	98
15) Acrylonitrile	4.93	53	33161	25.902	ug/l #	89
16) Acetone	3.77	43	30047	24.635	ug/l	97
17) Carbon Disulfide	4.01	76	35510	5.457	ug/l	95
18) Methyl Acetate	4.28	43	15300	4.901	ug/l #	73
19) Methyl tert-butyl Ether	4.99	73	53917	5.349	ug/l	98
20) Methylene Chloride	4.50	84	18353	4.341	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	16686	5.003	ug/l	96
22) Diisopropyl ether	5.91	45	45853	5.381	ug/l	97
23) Vinyl Acetate	5.85	43	177825	26.181	ug/l	96
24) 1,1-Dichloroethane	5.80	63	28229	5.224	ug/l	98
25) 2-Butanone	6.79	43	40944	25.053	ug/l	97
26) 2,2-Dichloropropane	6.78	77	21560	4.359	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	20485	5.424	ug/l	98
28) Bromochloromethane	7.15	49	5561	2.385	ug/l #	46
29) Tetrahydrofuran	7.17	42	26771	24.841	ug/l	99
30) Chloroform	7.33	83	32253	5.395	ug/l	99
31) Cyclohexane	7.62	56	27015	5.559	ug/l #	80
32) 1,1,1-Trichloroethane	7.53	97	28137	5.165	ug/l	97
36) 1,1-Dichloropropene	7.75	75	23048	4.953	ug/l	94
37) Ethyl Acetate	6.89	43	18441	4.920	ug/l #	86
38) Carbon Tetrachloride	7.73	117	19872	4.427	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	22997	4.009	ug/l	97
40) Benzene	8.00	78	69556	4.844	ug/l	95
41) Methacrylonitrile	7.17	41	27043	15.748	ug/l #	17
42) 1,2-Dichloroethane	8.09	62	24722	5.143	ug/l	96
43) Isopropyl Acetate	8.13	43	32057	4.754	ug/l	99
44) Trichloroethene	8.80	130	19775	4.481	ug/l	99
45) 1,2-Dichloropropane	9.08	63	16733	4.908	ug/l	97
46) Dibromomethane	9.18	93	12085	4.622	ug/l	93
47) Bromodichloromethane	9.37	83	24810	4.789	ug/l	98
48) Methyl methacrylate	9.17	41	13943	4.596	ug/l	97
49) 1,4-Dioxane	9.17	88	4453	94.745	ug/l #	91
51) 4-Methyl-2-Pentanone	9.95	43	88724	23.349	ug/l	100
52) Toluene	10.12	92	44270	4.724	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	25423	4.555	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	27425	4.570	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	17957	4.810	ug/l	98
56) Ethyl methacrylate	10.40	69	23864	4.576	ug/l	98
57) 1,3-Dichloropropane	10.68	76	30077	5.037	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	51444	23.081	ug/l	100
59) 2-Hexanone	10.72	43	60529	22.180	ug/l	99
60) Dibromochloromethane	10.87	129	18637	4.391	ug/l	98
61) 1,2-Dibromoethane	10.98	107	17824	4.577	ug/l	98
64) Tetrachloroethene	10.60	164	19740	4.284	ug/l	93
65) Chlorobenzene	11.41	112	48658	4.783	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	16836	4.444	ug/l	98
67) Ethyl Benzene	11.49	91	82935	4.716	ug/l	100
68) m/p-Xylenes	11.60	106	61779	8.860	ug/l	95
69) o-Xylene	11.92	106	30674	4.632	ug/l	99
70) Styrene	11.94	104	48843	4.454	ug/l	98
71) Bromoform	12.10	173	10898	3.733	ug/l #	99
73) Isopropylbenzene	12.22	105	78112	5.012	ug/l	99
74) N-amyl acetate	12.05	43	24441	4.980	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	23537	5.389	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	28732	7.400	ug/l #	100
77) Bromobenzene	12.50	156	19290	4.849	ug/l	91
78) n-propylbenzene	12.57	91	86533	4.973	ug/l	96
79) 2-Chlorotoluene	12.65	91	53174	5.125	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	64954	4.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	6187	4.075	ug/l #	88
82) 4-Chlorotoluene	12.75	91	54355	4.980	ug/l	100
83) tert-Butylbenzene	12.97	119	57239	4.973	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	65957	5.097	ug/l	98
85) sec-Butylbenzene	13.15	105	72280	4.874	ug/l	97
86) p-Isopropyltoluene	13.26	119	65231	4.776	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	33070	4.694	ug/l	95
88) 1,4-Dichlorobenzene	13.34	146	33983	4.735	ug/l	92
89) n-Butylbenzene	13.59	91	54161	4.734	ug/l	95
90) Hexachloroethane	13.85	117	7841	5.191	ug/l	90
91) 1,2-Dichlorobenzene	13.63	146	32808	4.873	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	4247	4.768	ug/l	86

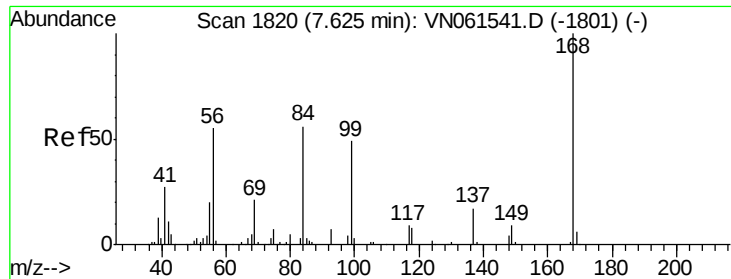
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	16182	4.110	ug/l	99
94) Hexachlorobutadiene	14.98	225	7422	4.420	ug/l	98
95) Naphthalene	15.11	128	51075	4.262	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	16643	4.299	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

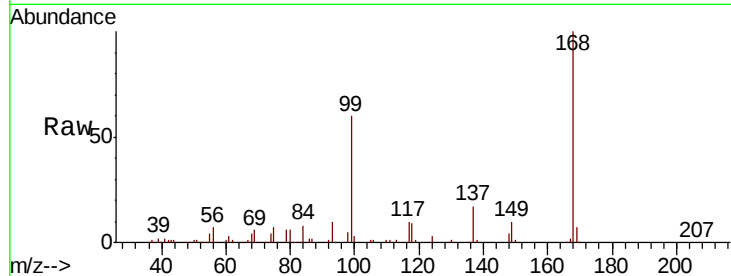
LOQ-WATER-02-QT2-2020

Tot Ion:168 Resp: 289432

Ion Ratio Lower Upper

168 100

99 59.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

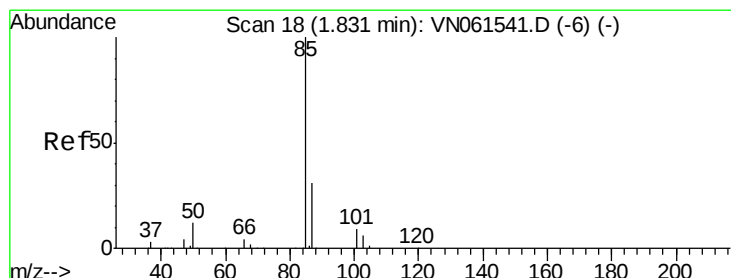
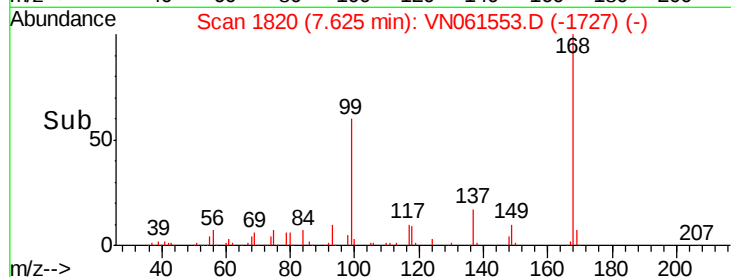
100000

50000

0

Time-->

7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 3.666 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061553.D

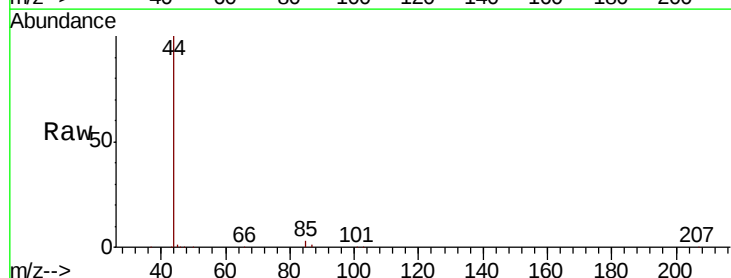
Acq: 29 May 2020 00:46

Tgt Ion: 85 Resp: 11090

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

10000

8000

6000

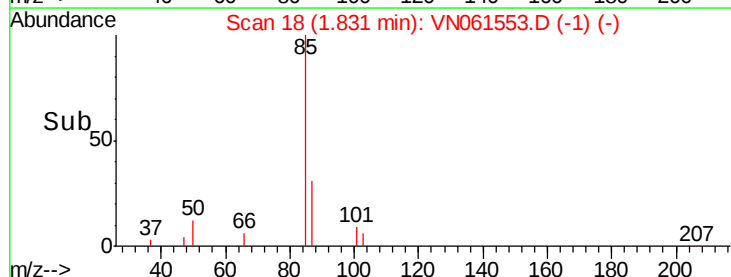
4000

2000

0

Time-->

1.80 1.85

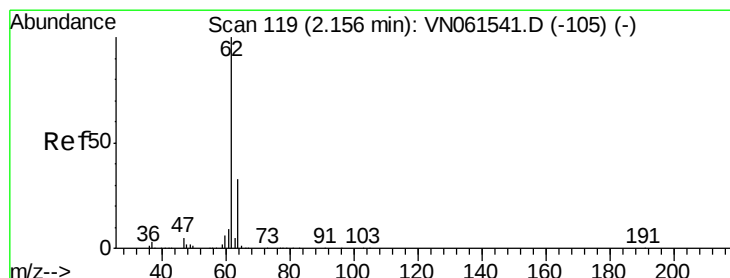
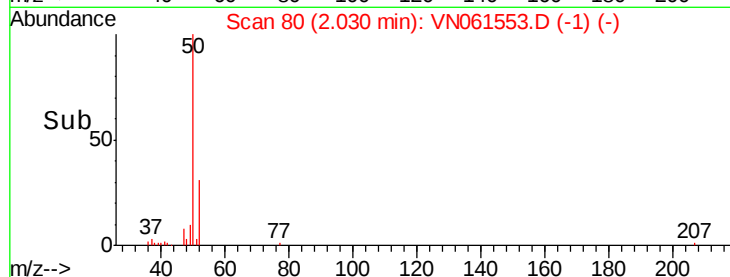
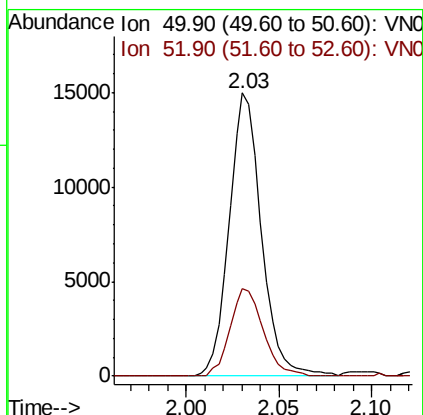
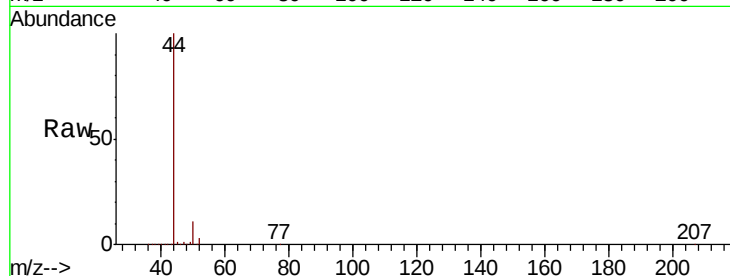




#3
Chloromethane
Concen: 5.117 ug/l
RT: 2.03 min Scan# 80
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

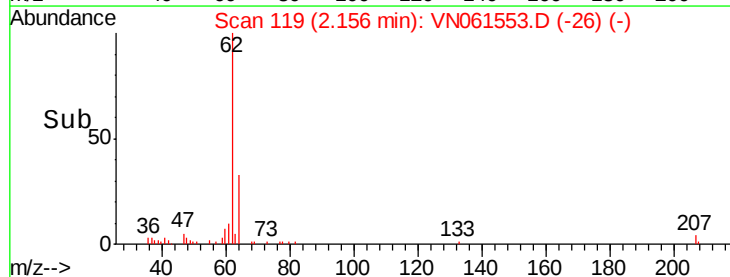
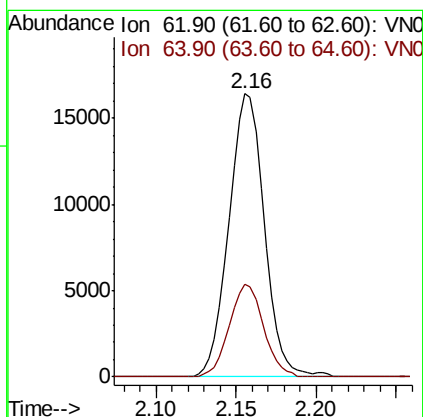
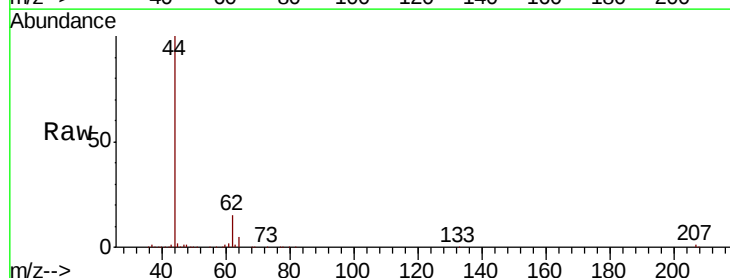
Instrument :
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LOQ-WATER-02-QT2-2020

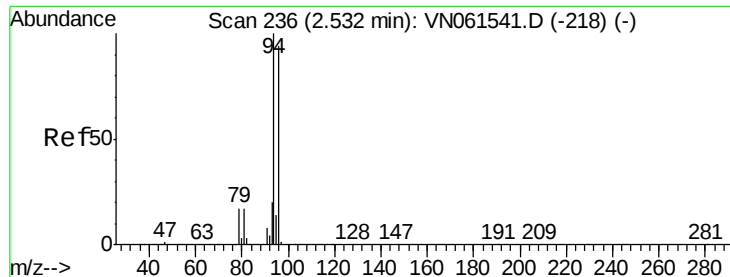
Tot Ion: 50 Resp: 18065
Ion Ratio Lower Upper
50 100
52 31.0 26.7 40.1



#4
Vinyl Chloride
Concen: 5.119 ug/l
RT: 2.16 min Scan# 119
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 62 Resp: 24765
Ion Ratio Lower Upper
62 100
64 32.7 26.2 39.2





#5

Bromomethane

Concen: 5.880 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

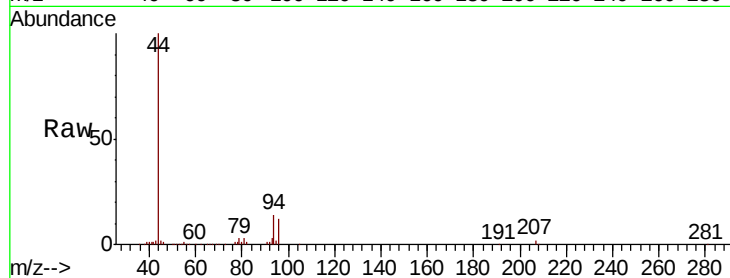
LOQ-WATER-02-QT2-2020

Tot Ion: 94 Resp: 16322

Ion Ratio Lower Upper

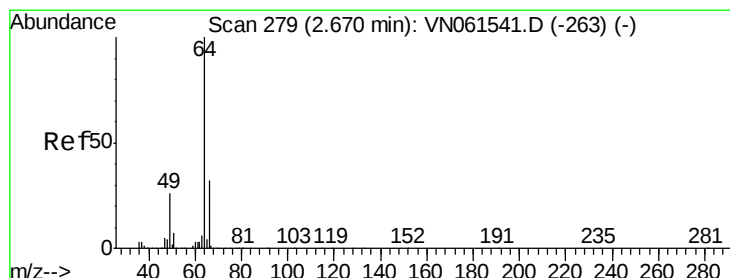
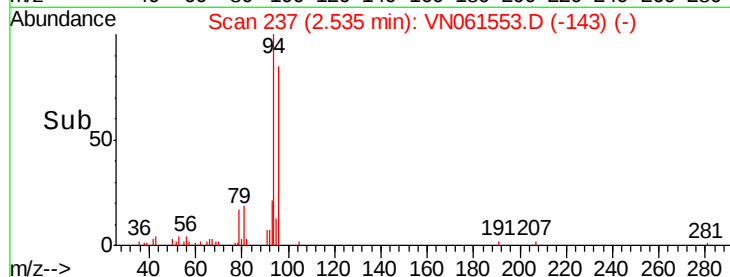
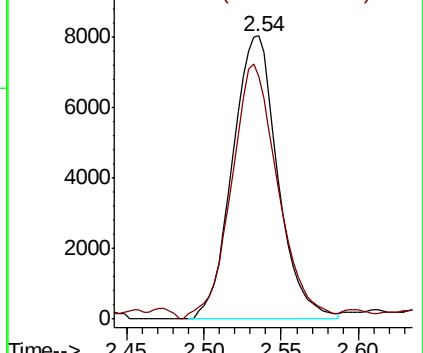
94 100

96 83.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.140 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061553.D

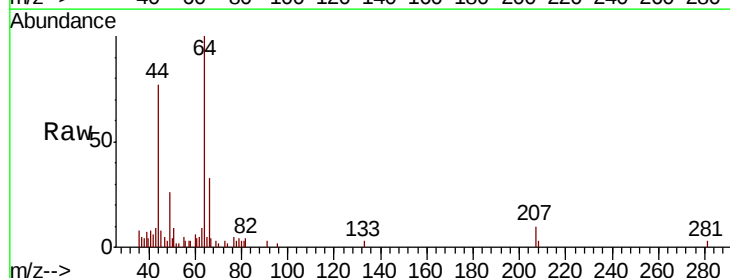
Acq: 29 May 2020 00:46

Tgt Ion: 64 Resp: 16004

Ion Ratio Lower Upper

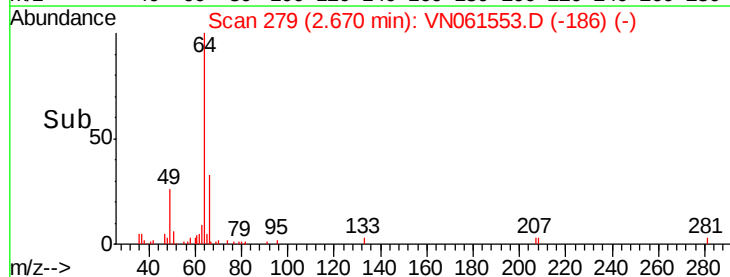
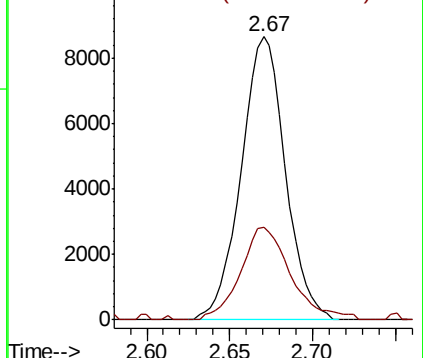
64 100

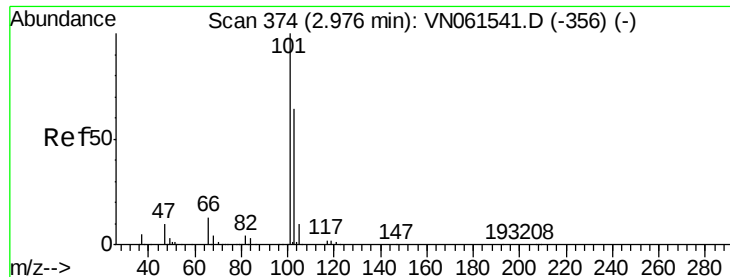
66 32.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



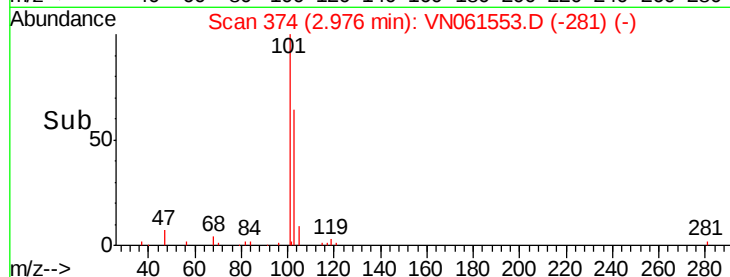
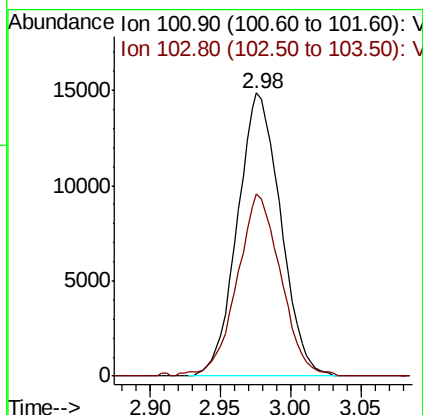
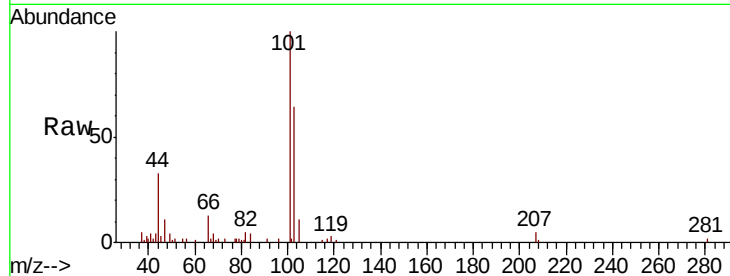


#7

Trichlorofluoromethane
 Concen: 5.114 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN061553.D
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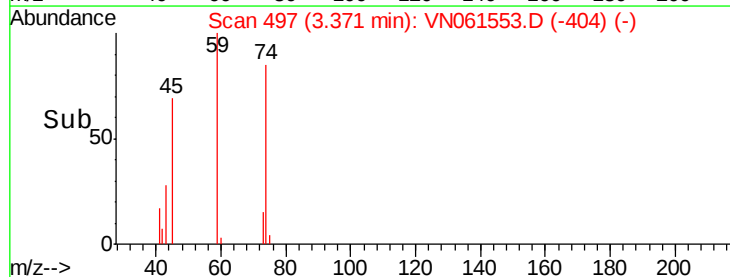
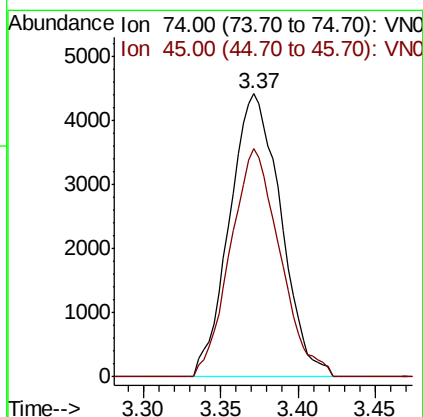
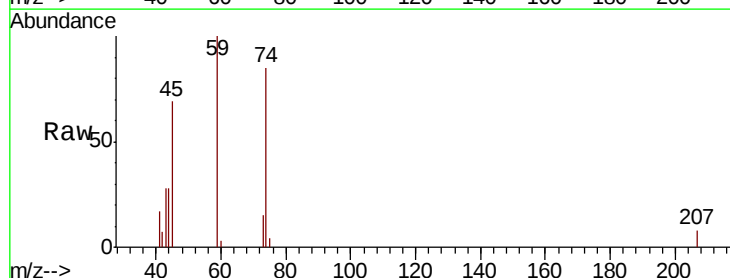
Tot Ion:101 Resp: 31904
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.2

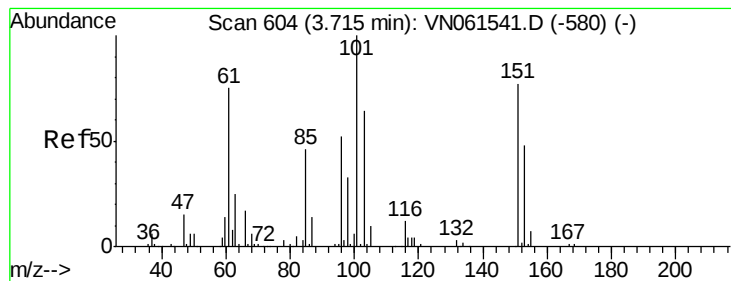


#8

Diethyl Ether
 Concen: 5.324 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion: 74 Resp: 10155
 Ion Ratio Lower Upper
 74 100
 45 78.1 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.148 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

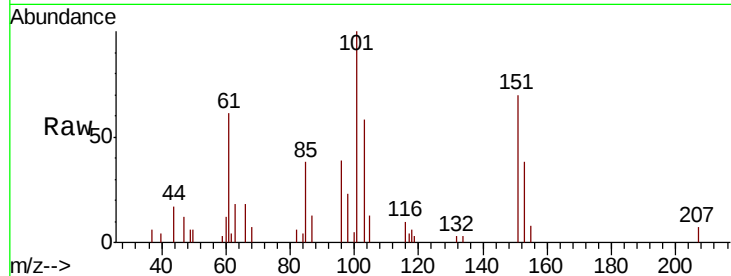
Tot Ion:101 Resp: 14250

Ion Ratio Lower Upper

101 100

85 20.9 35.2 52.8#

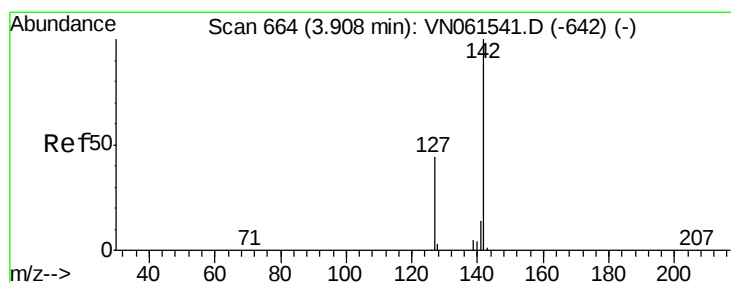
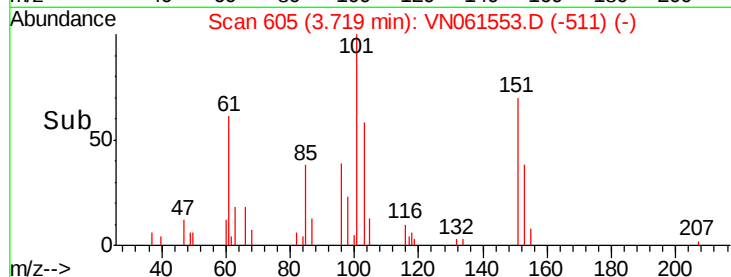
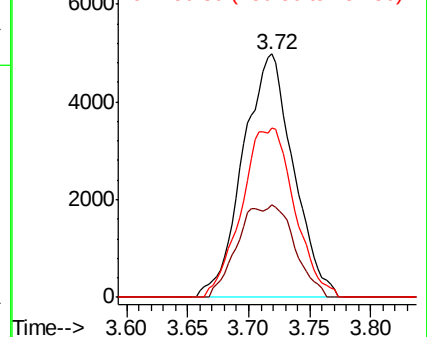
151 72.9 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.800 ug/l

RT: 3.90 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

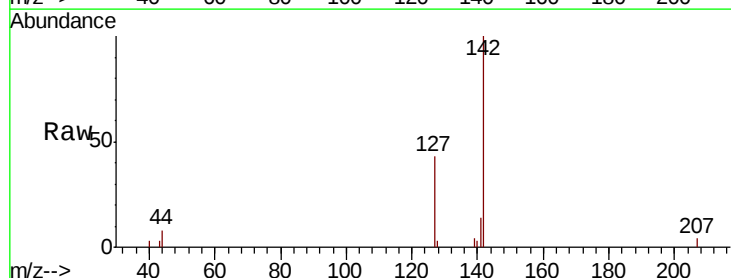
Tgt Ion:142 Resp: 18444

Ion Ratio Lower Upper

142 100

127 44.5 35.5 53.3

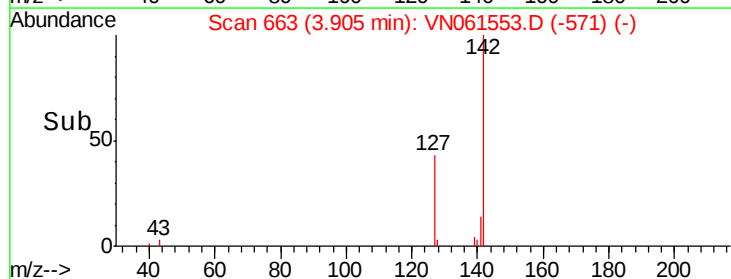
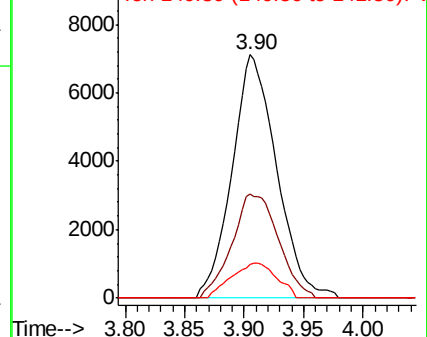
141 14.7 11.5 17.3

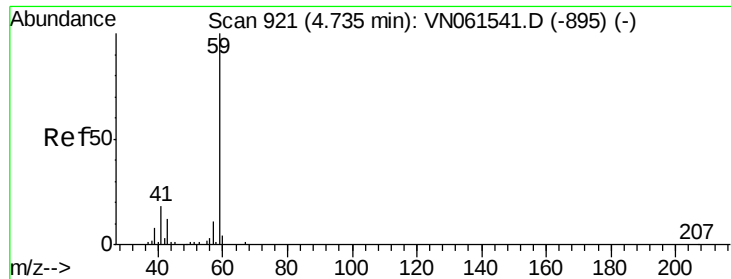


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



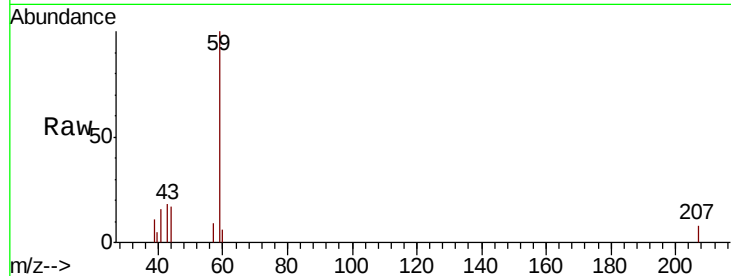


#11

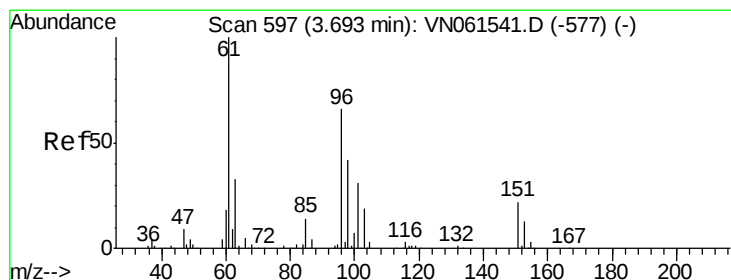
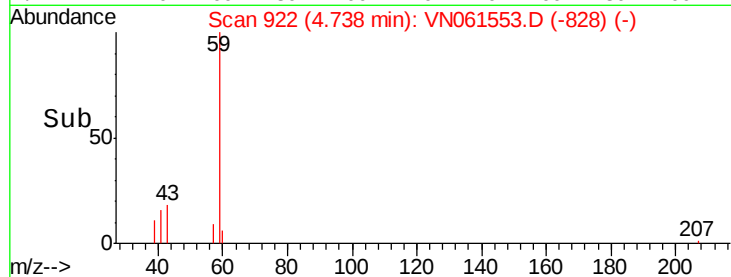
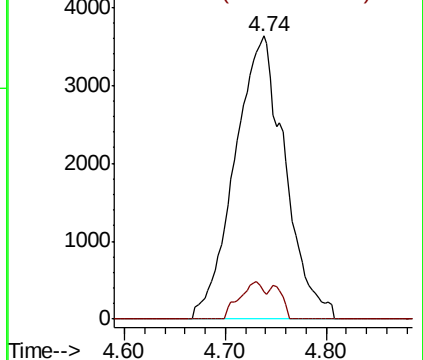
Tert butvl alcohol
 Concen: 27.381 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion: 59 Resp: 12559
 Ion Ratio Lower Upper
 59 100
 57 6.6 8.4 12.6#



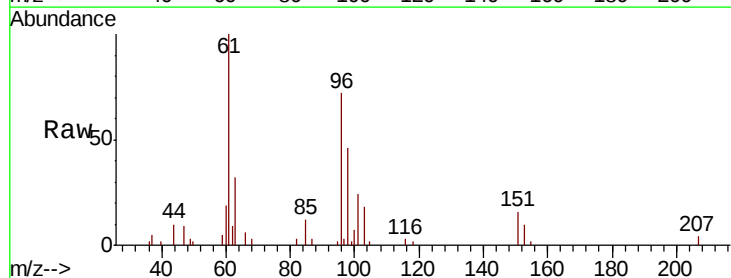
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



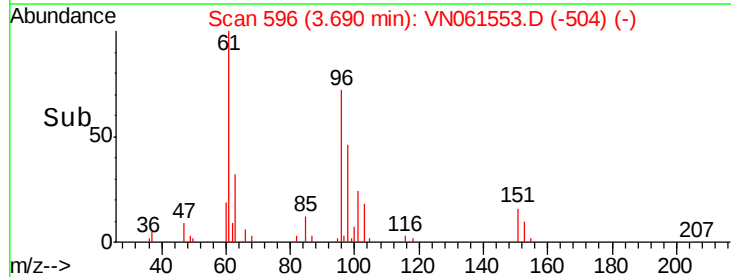
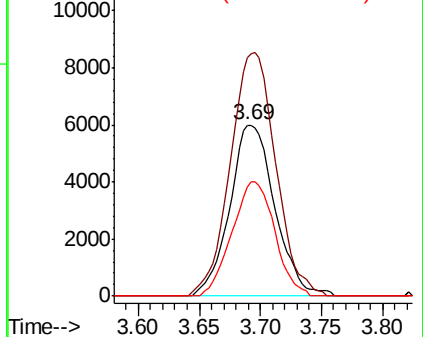
#12

1,1-Dichloroethene
 Concen: 5.199 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion: 96 Resp: 15377
 Ion Ratio Lower Upper
 96 100
 61 139.0 120.5 180.7
 98 64.0 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 46.406 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

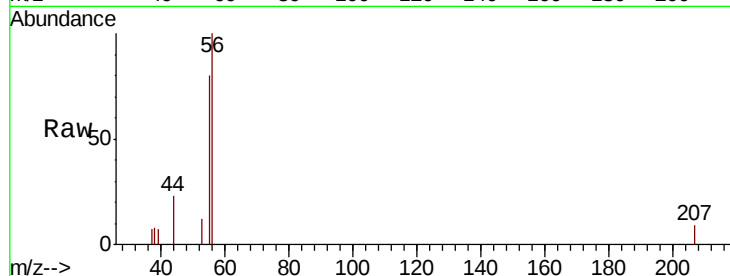
LOQ-WATER-02-QT2-2020

Tot Ion: 56 Resp: 8161

Ion Ratio Lower Upper

56 100

55 73.8 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061553.D (-464) (-)

3.57

3000

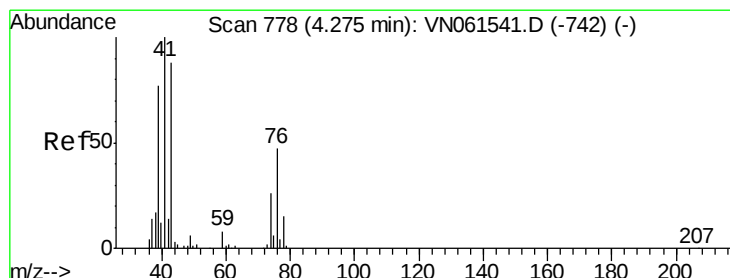
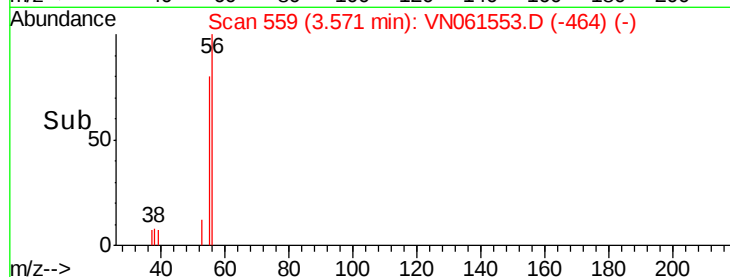
2000

1000

0

3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 5.337 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

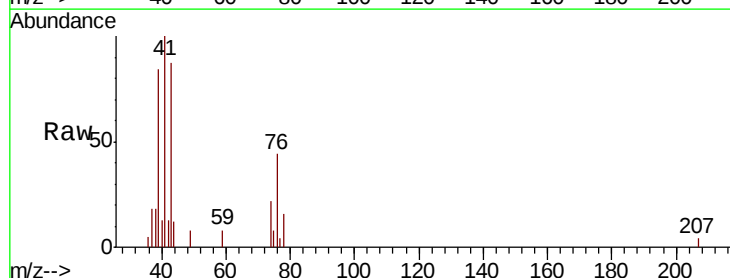
Tgt Ion: 41 Resp: 20634

Ion Ratio Lower Upper

41 100

39 75.3 58.6 88.0

76 41.4 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-742) (-)

Ion 39.00 (38.70 to 39.70): VN061553.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061553.D (-685) (-)

4.28

8000

6000

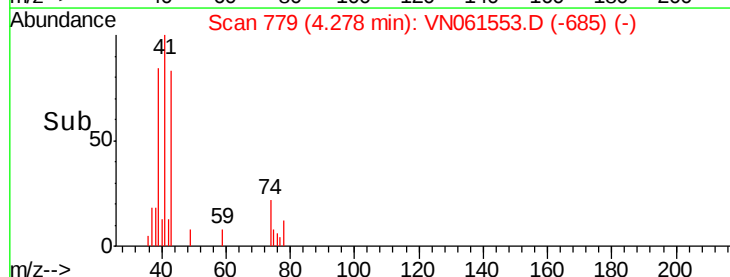
4000

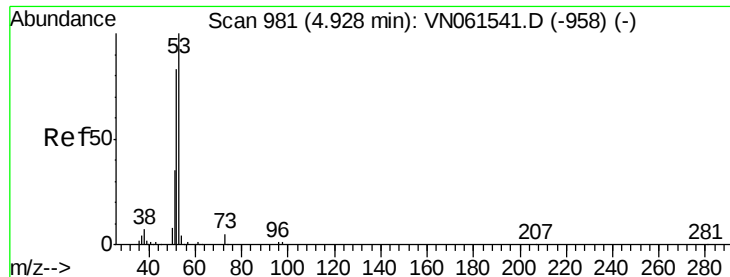
2000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 25.902 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

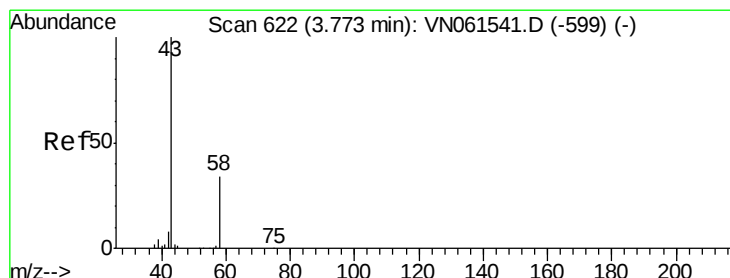
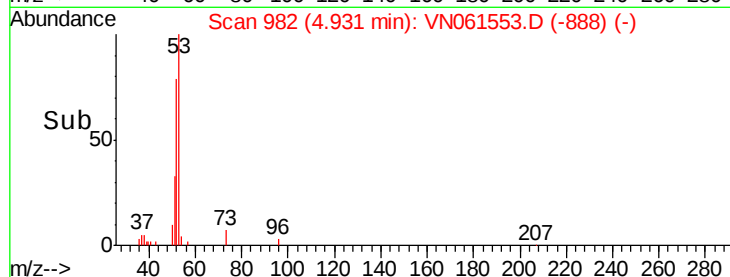
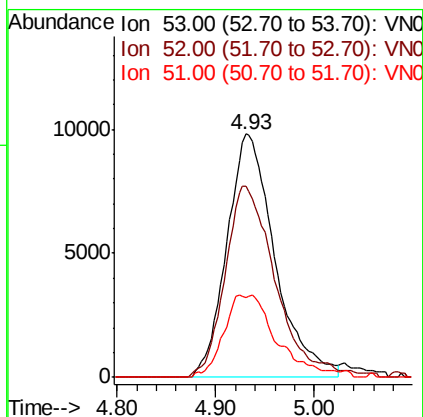
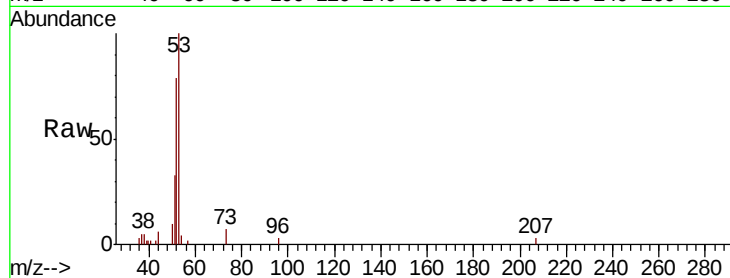
Tot Ion: 53 Resp: 33161

Ion Ratio Lower Upper

53 100

52 82.5 65.4 98.2

51 16.1 29.0 43.6#



#16

Acetone

Concen: 24.635 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061553.D

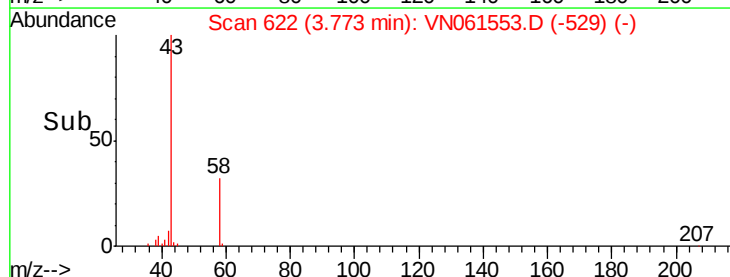
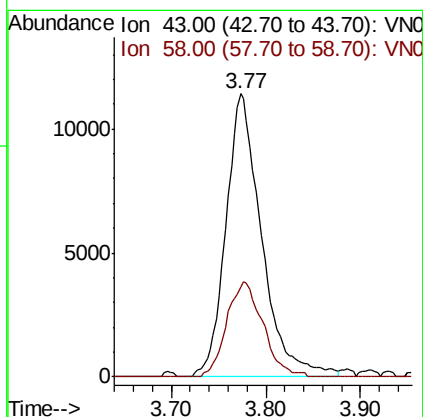
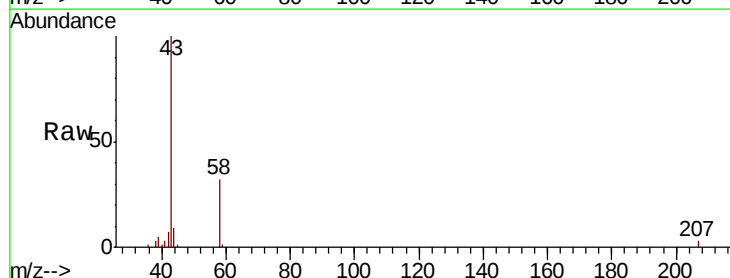
Acq: 29 May 2020 00:46

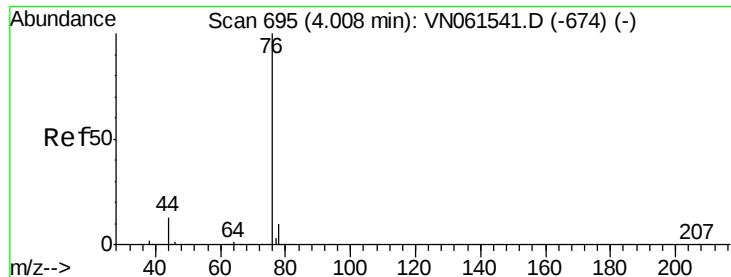
Tgt Ion: 43 Resp: 30047

Ion Ratio Lower Upper

43 100

58 32.0 27.2 40.8





#17

Carbon Disulfide

Concen: 5.457 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

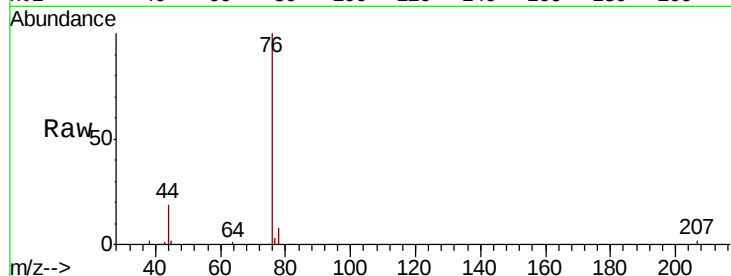
LOQ-WATER-02-QT2-2020

Tot Ion: 76 Resp: 35510

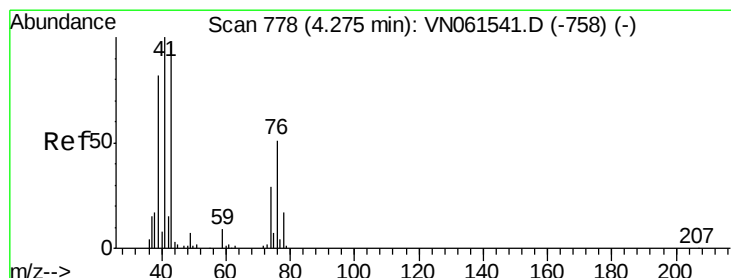
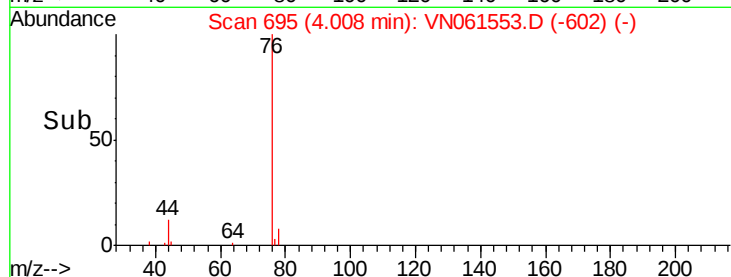
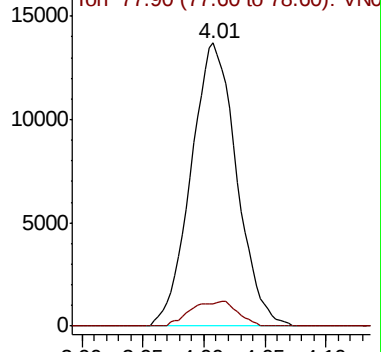
Ion Ratio Lower Upper

76 100

78 8.0 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061553.D (-602) (-)



#18

Methyl Acetate

Concen: 4.901 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN061553.D

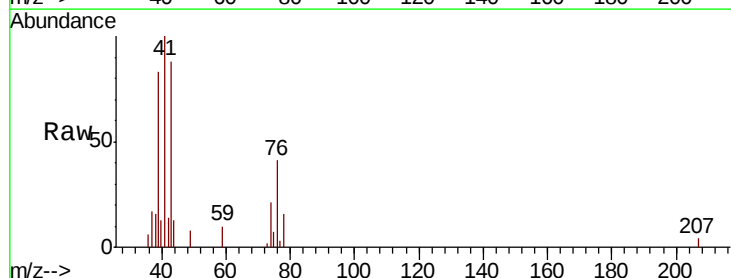
Acq: 29 May 2020 00:46

Tgt Ion: 43 Resp: 15300

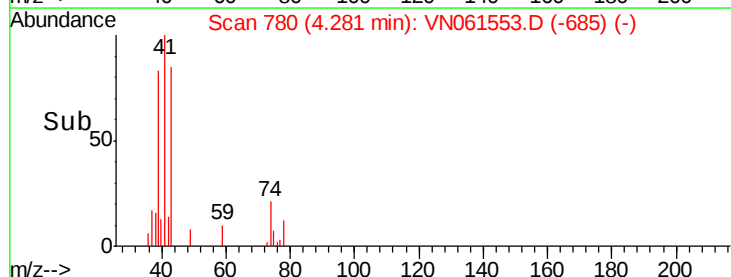
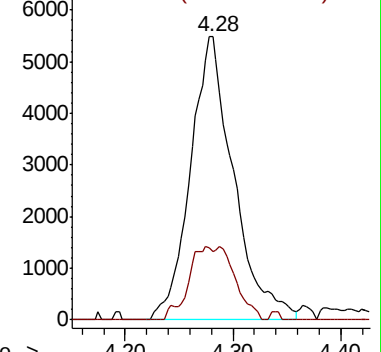
Ion Ratio Lower Upper

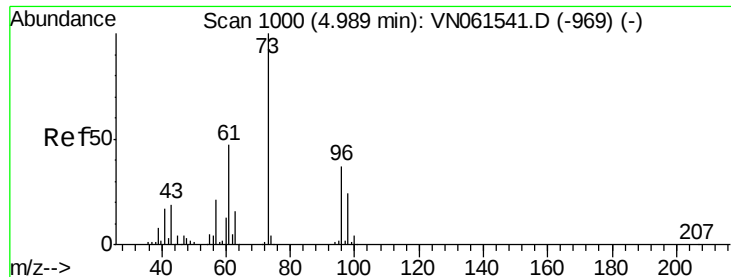
43 100

74 14.7 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061553.D (-685) (-)



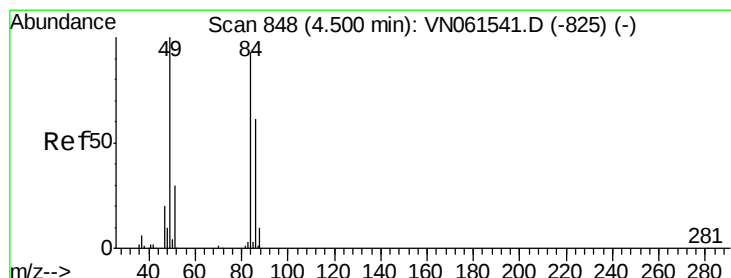
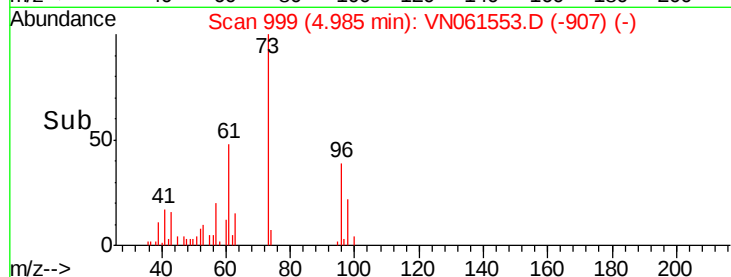
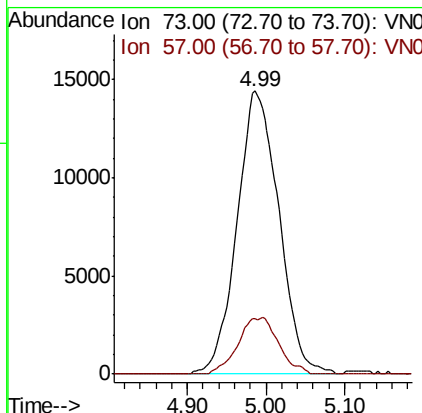
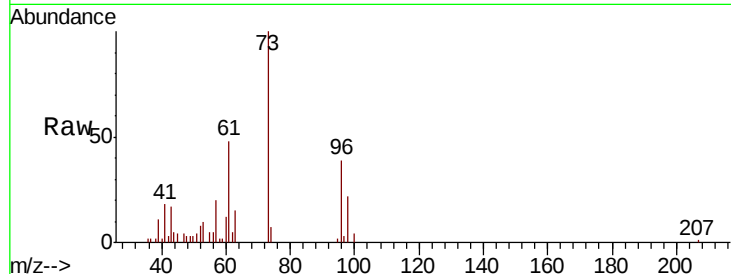


#19

Methyl tert-butyl Ether
 Concen: 5.349 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

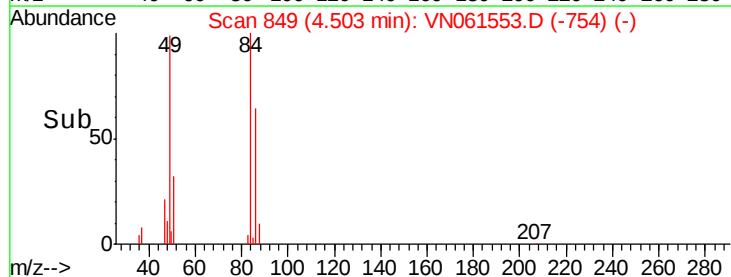
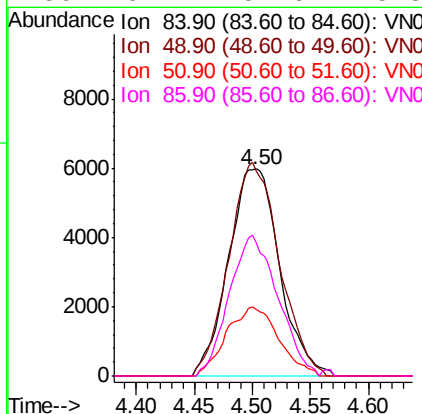
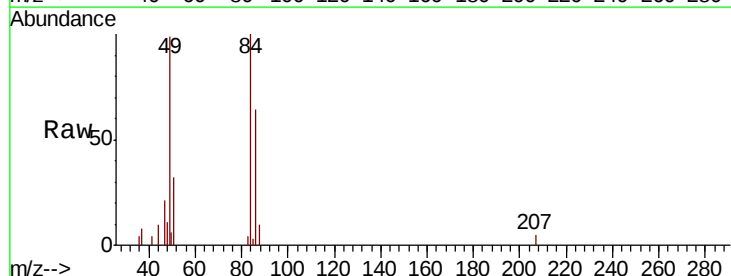
Tot Ion: 73 Resp: 53917
 Ion Ratio Lower Upper
 73 100
 57 19.6 16.4 24.6

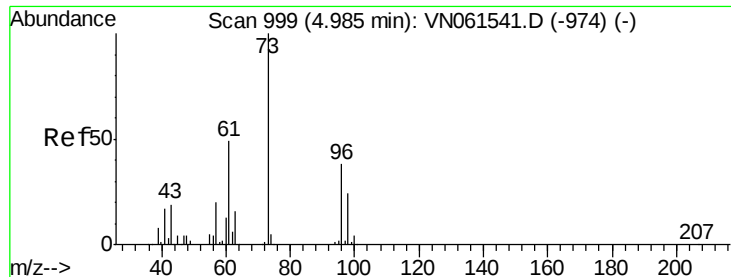


#20

Methylene Chloride
 Concen: 4.341 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion: 84 Resp: 18353
 Ion Ratio Lower Upper
 84 100
 49 98.8 85.8 128.8
 51 32.2 26.2 39.2
 86 64.4 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 5.003 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

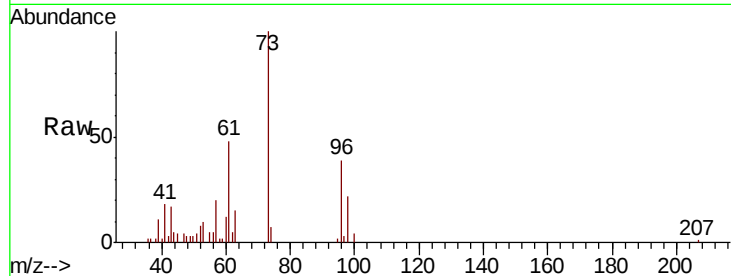
Tot Ion: 96 Resp: 16686

Ion Ratio Lower Upper

96 100

61 123.5 101.4 152.0

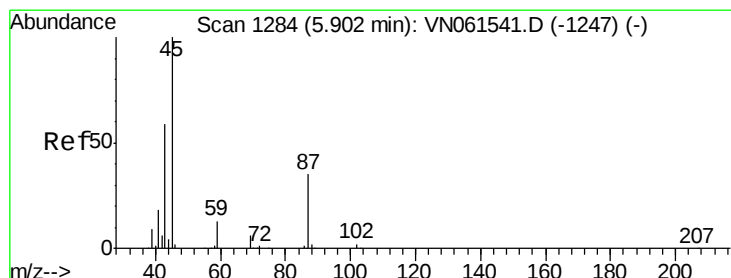
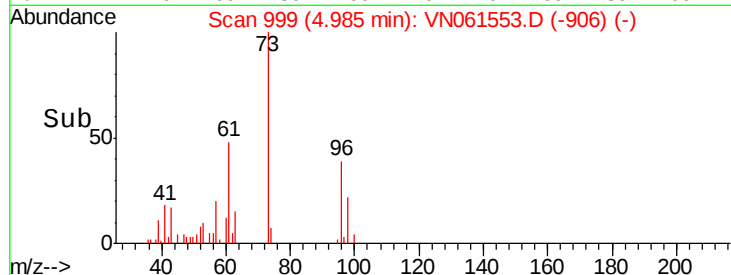
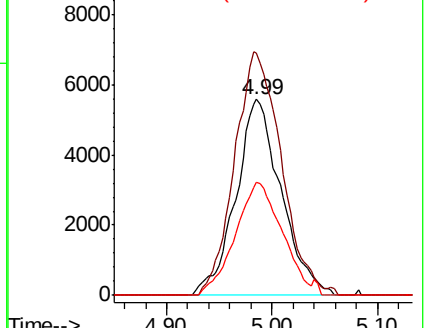
98 57.9 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061553.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN061553.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN061553.D (-906) (-)



#22

Diisopropyl ether

Concen: 5.381 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion: 45 Resp: 45853

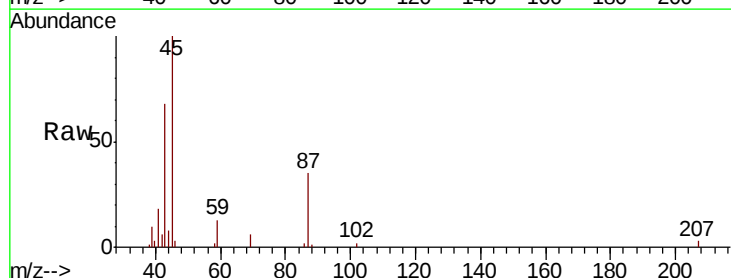
Ion Ratio Lower Upper

45 100

43 64.0 47.9 71.9

87 35.4 28.4 42.6

59 12.5 10.5 15.7

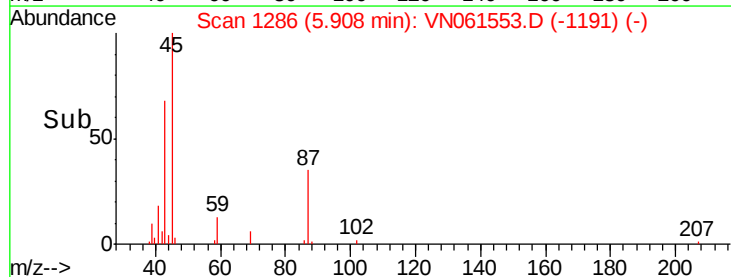
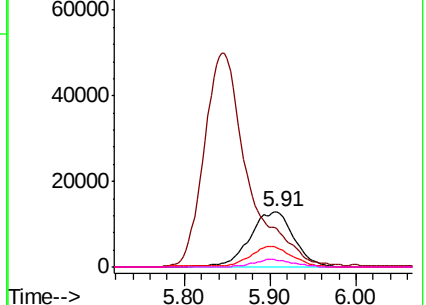


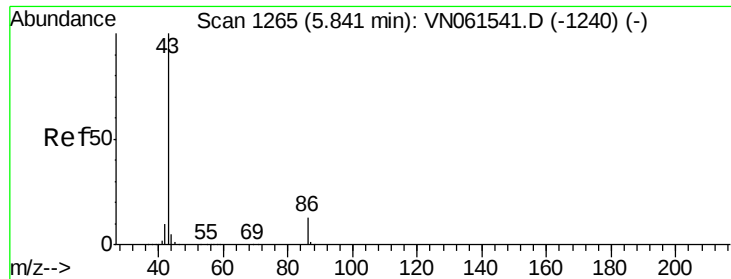
Abundance Ion 45.00 (44.70 to 45.70): VN061553.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061553.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061553.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061553.D (-1191) (-)

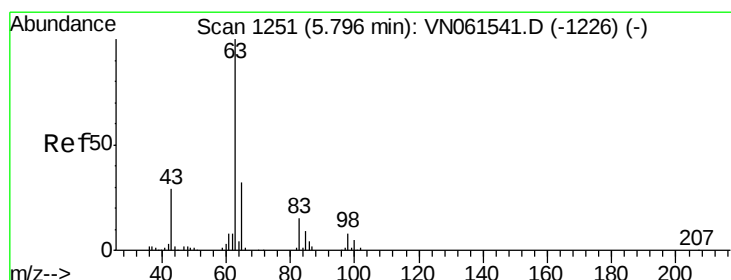
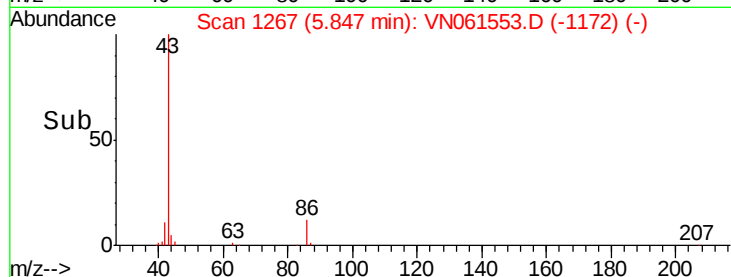
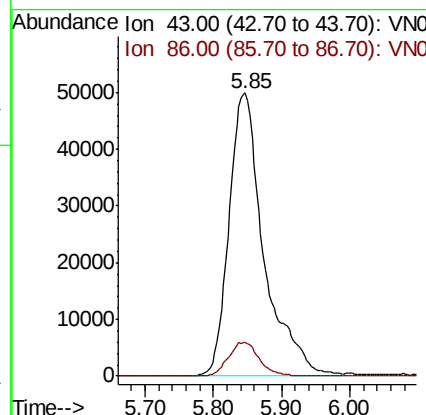
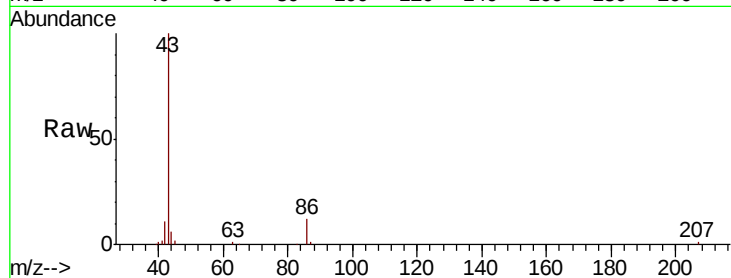




#23
 Vinyl Acetate
 Concen: 26.181 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

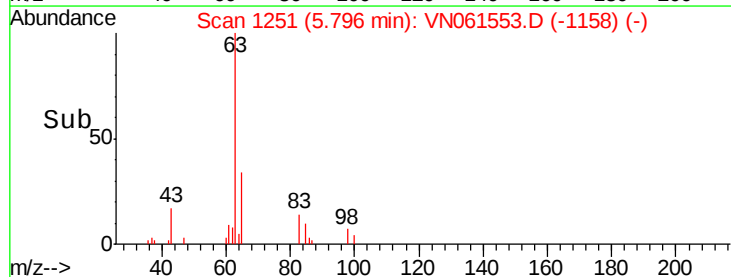
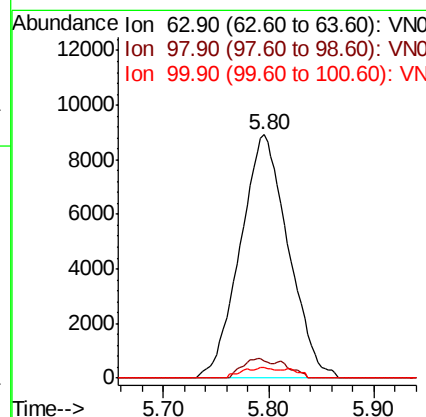
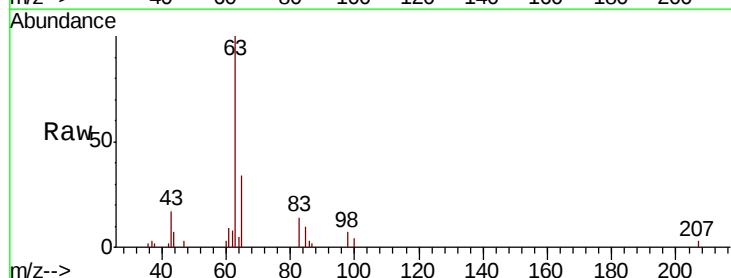
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

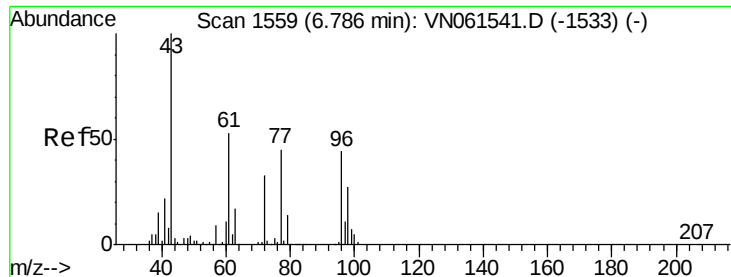
Tot Ion: 43 Resp: 177825
 Ion Ratio Lower Upper
 43 100
 86 11.8 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 5.224 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion: 63 Resp: 28229
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.8 11.4
 100 4.5 2.5 7.6

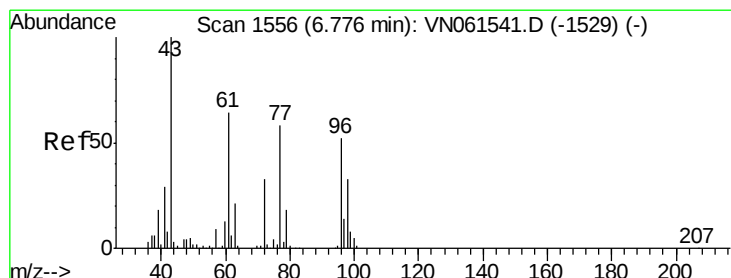
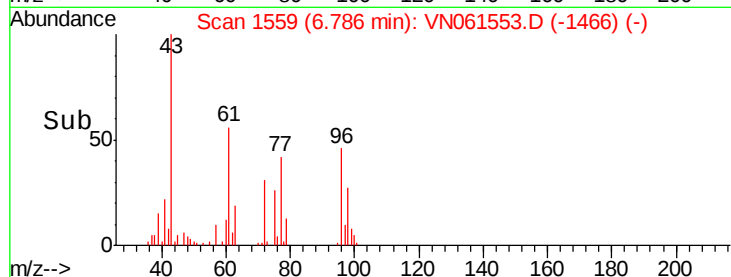
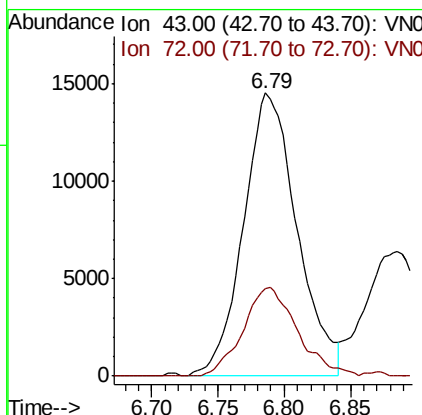
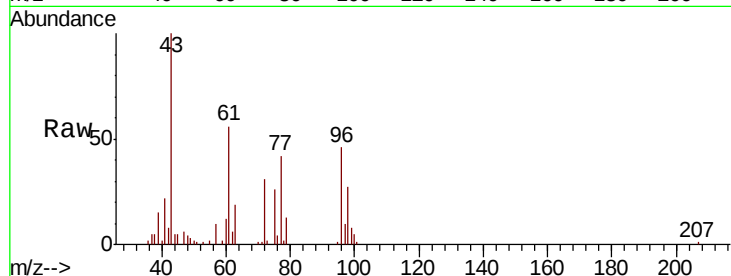




#25
2-Butanone
Concen: 25.053 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

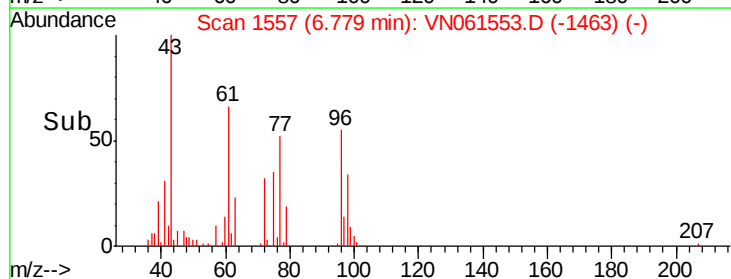
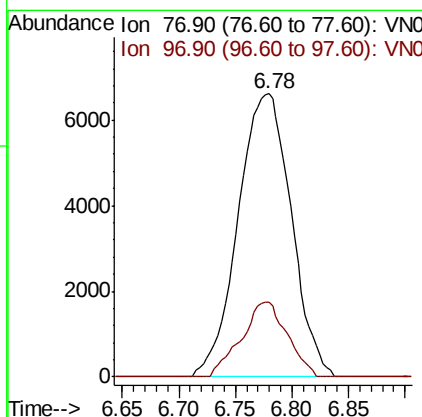
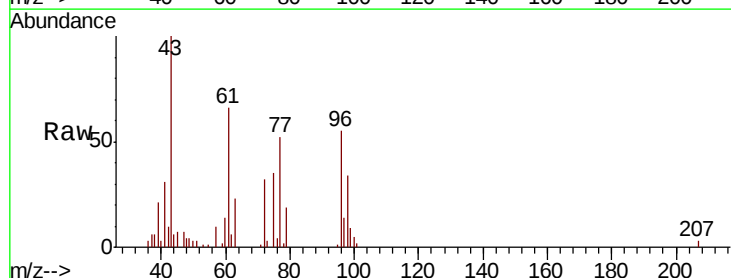
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 40944
Ion Ratio Lower Upper
43 100
72 31.1 26.0 39.0



#26
2,2-Dichloropropane
Concen: 4.359 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 77 Resp: 21560
Ion Ratio Lower Upper
77 100
97 22.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 5.424 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

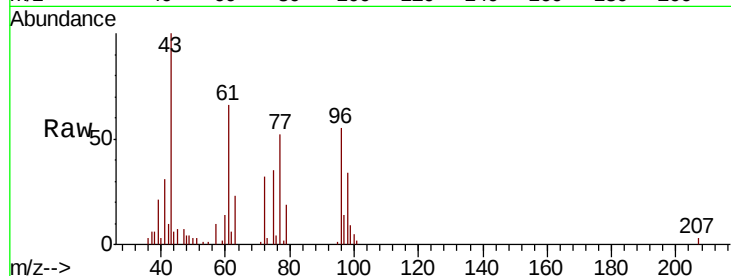
Tot Ion: 96 Resp: 20485

Ion Ratio Lower Upper

96 100

61 126.9 0.0 252.2

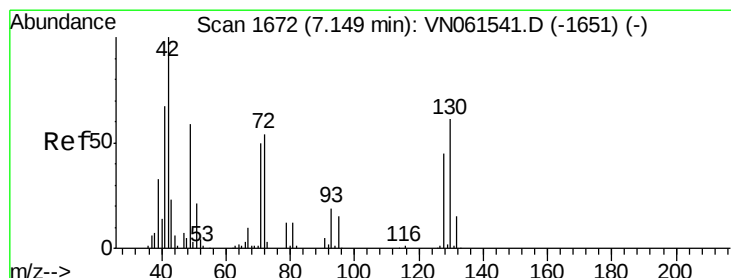
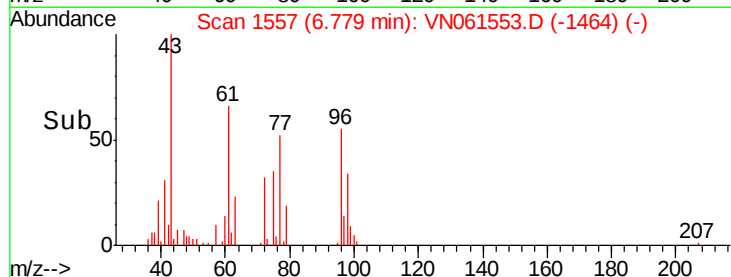
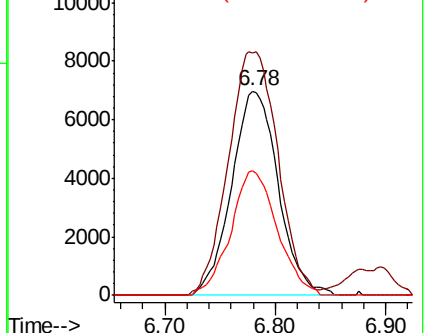
98 60.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061553.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061553.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061553.D (-1464) (-)



#28

Bromochloromethane

Concen: 2.385 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

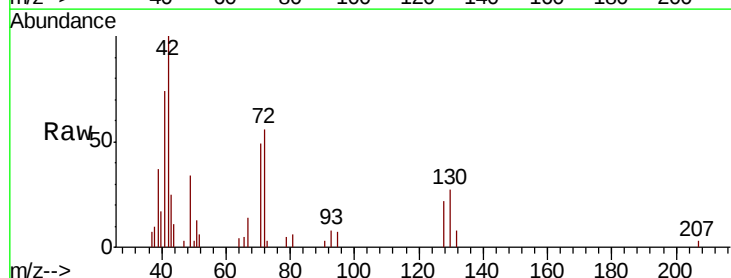
Tgt Ion: 49 Resp: 5561

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

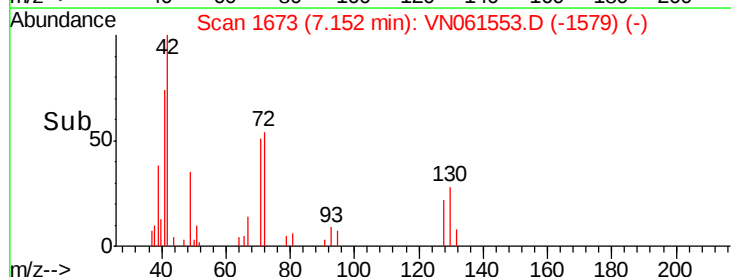
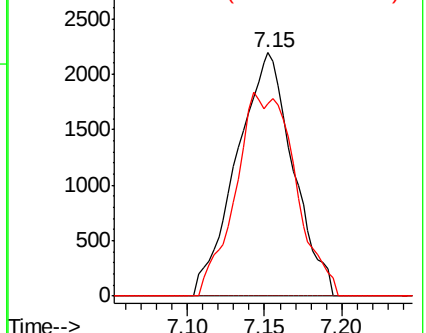
130 43.5 78.8 118.2#

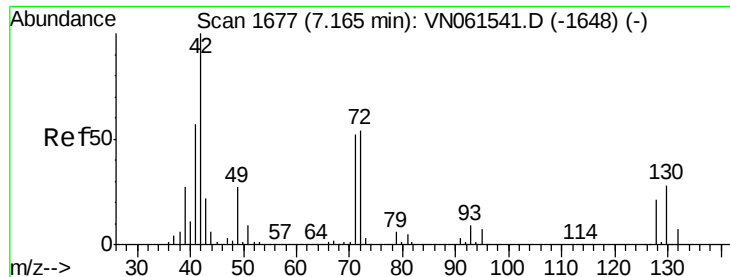


Abundance Ion 48.90 (48.60 to 49.60): VN061553.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061553.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061553.D (-1579) (-)

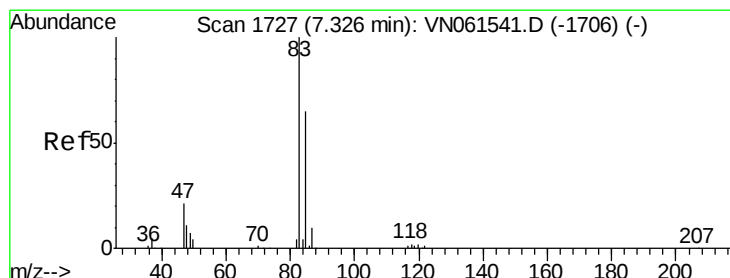
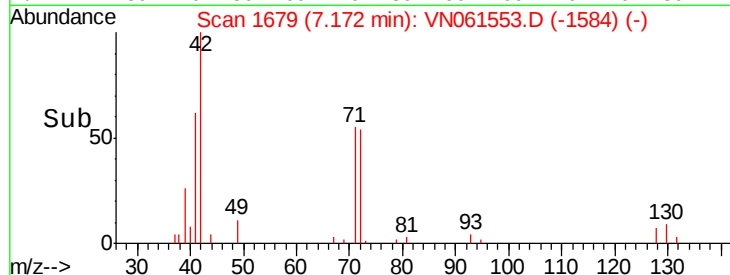
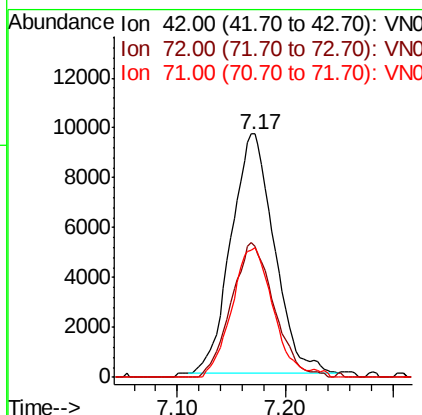
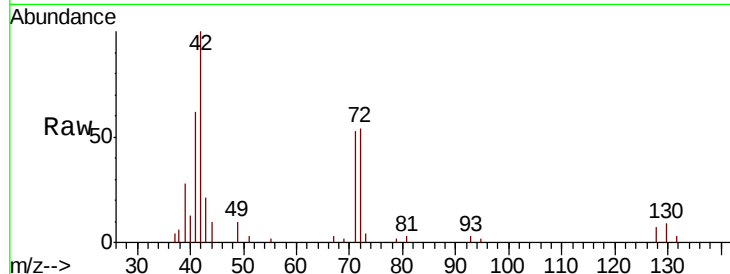




#29
Tetrahydrofuran
Concen: 24.841 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

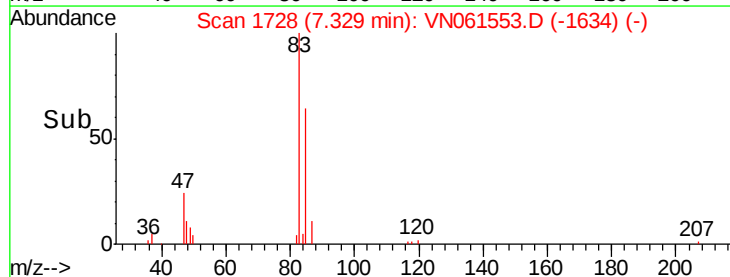
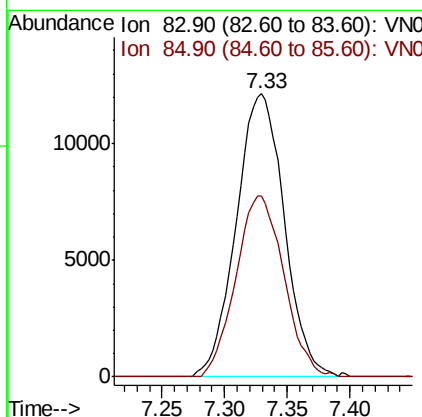
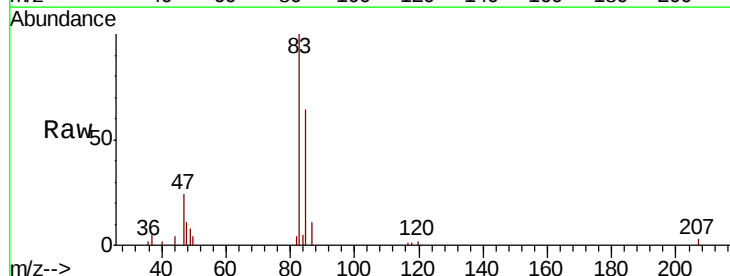
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 42 Resp: 26771
Ion Ratio Lower Upper
42 100
72 55.7 43.6 65.4
71 51.4 41.2 61.8



#30
Chloroform
Concen: 5.395 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 83 Resp: 32253
Ion Ratio Lower Upper
83 100
85 64.0 51.7 77.5





#31

Cyclohexane

Concen: 5.559 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

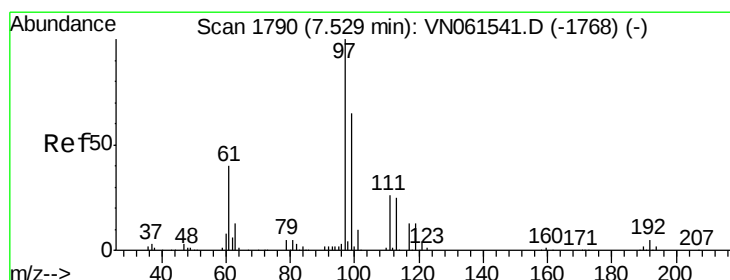
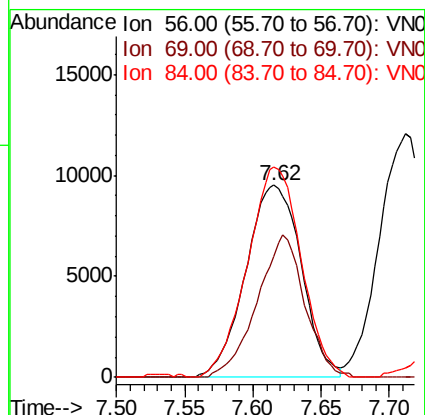
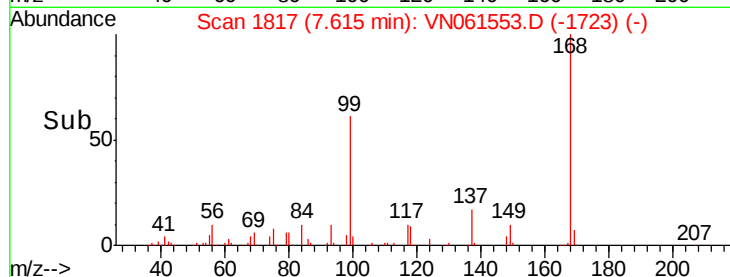
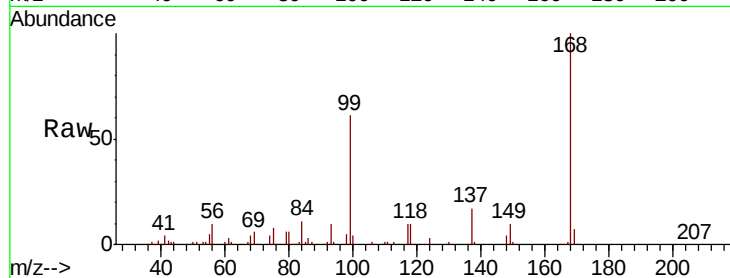
Tot Ion: 56 Resp: 27015

Ion Ratio Lower Upper

56 100

69 63.0 27.8 41.8#

84 109.6 79.9 119.9



#32

1,1,1-Trichloroethane

Concen: 5.165 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

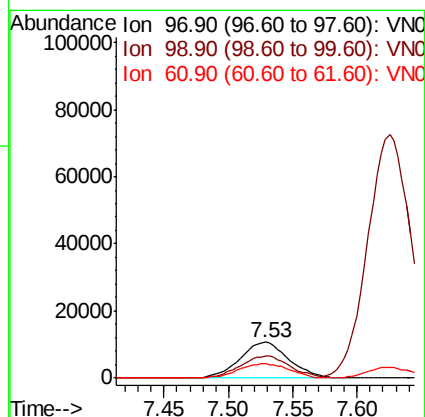
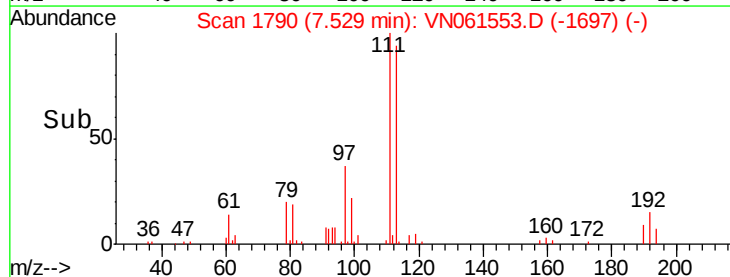
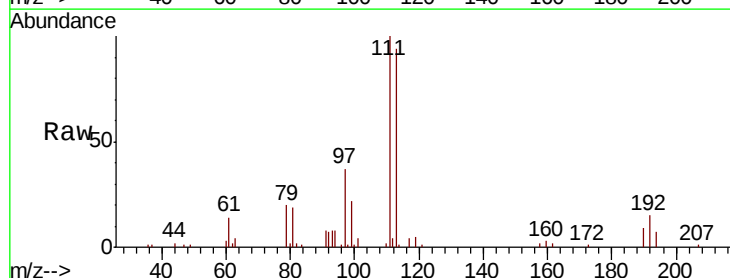
Tgt Ion: 97 Resp: 28137

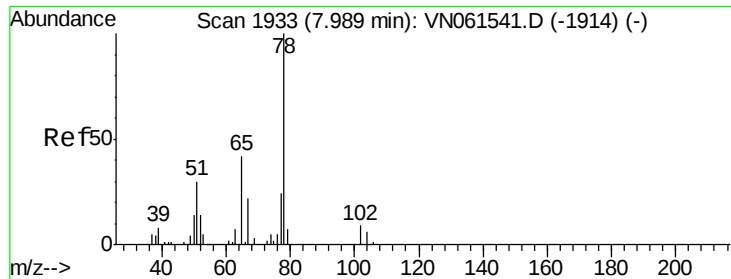
Ion Ratio Lower Upper

97 100

99 62.4 51.4 77.0

61 41.9 31.4 47.0





#33

1,2-Dichloroethane-d4

Concen: 56.793 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

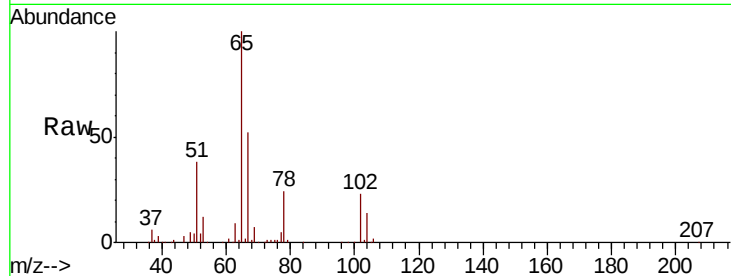
LOQ-WATER-02-QT2-2020

Tot Ion: 65 Resp: 195845

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.8

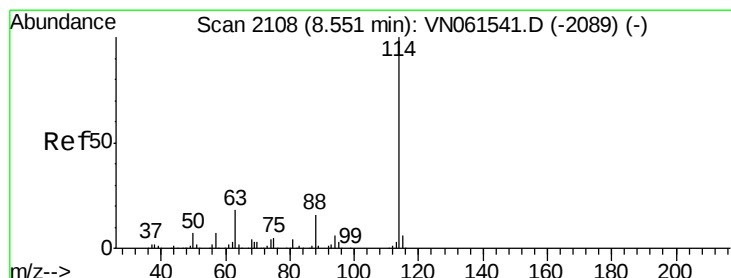
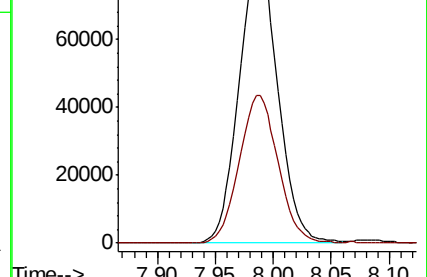
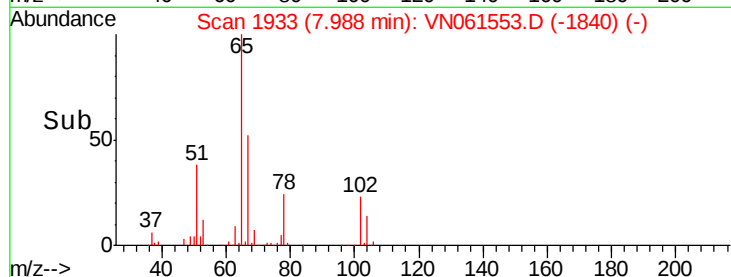


Abundance Ion 64.90 (64.60 to 65.60): VN061541.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061541.D (-1914) (-)

7.99

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

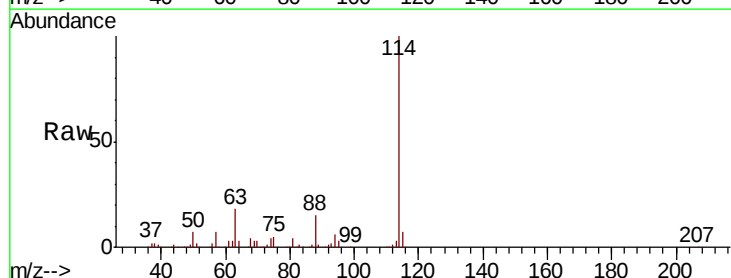
Tgt Ion: 114 Resp: 525665

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.8

88 15.2 0.0 31.0



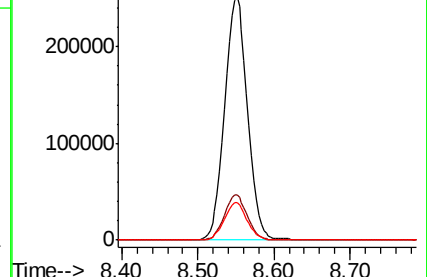
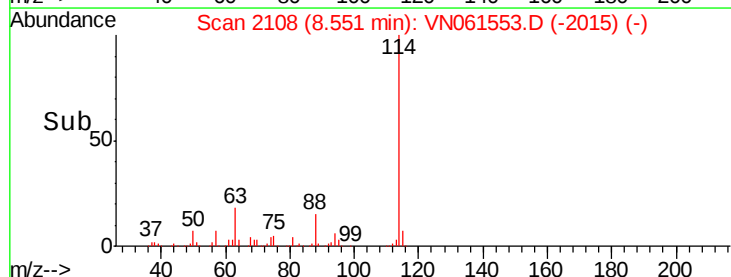
Abundance Ion 113.90 (113.60 to 114.60): VN061541.D (-2089) (-)

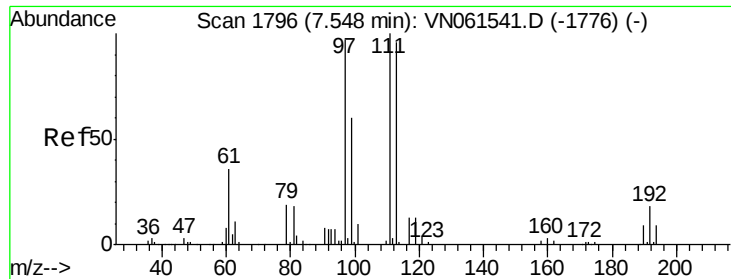
Ion 63.00 (62.70 to 63.70): VN061541.D (-2089) (-)

Ion 87.90 (87.60 to 88.60): VN061541.D (-2089) (-)

8.55

Time-->

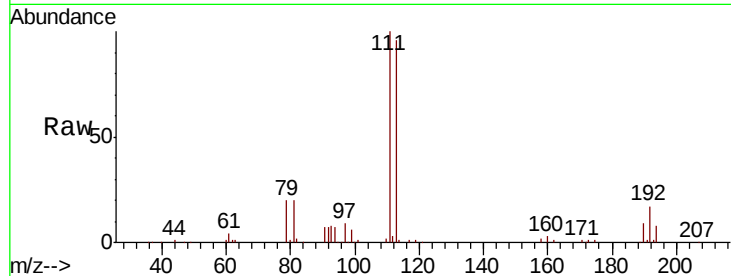




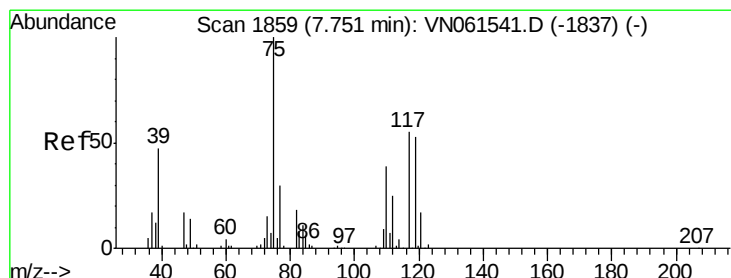
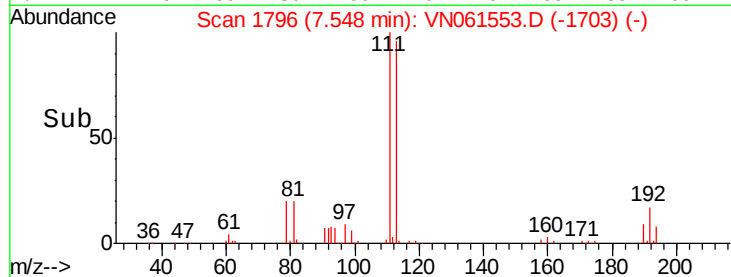
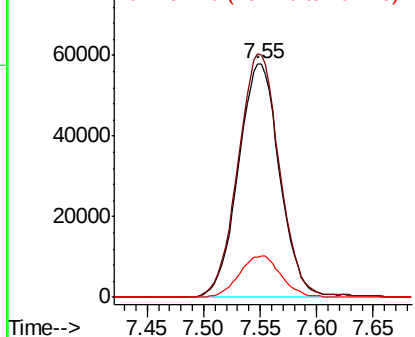
#35
 Dibromofluoromethane
 Concen: 55.242 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.4	125.0
192	18.0	15.4	23.2

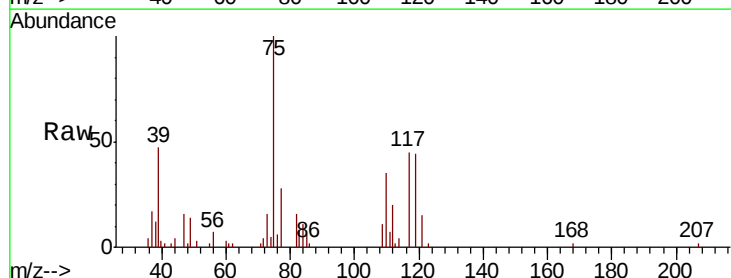


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

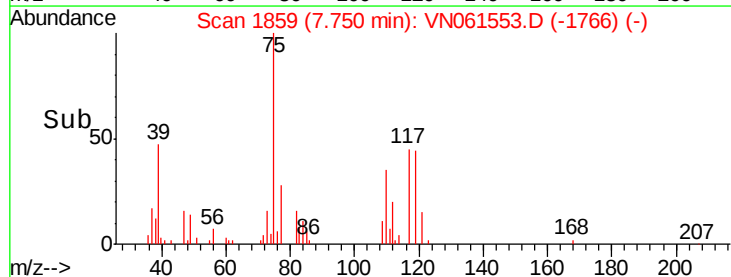
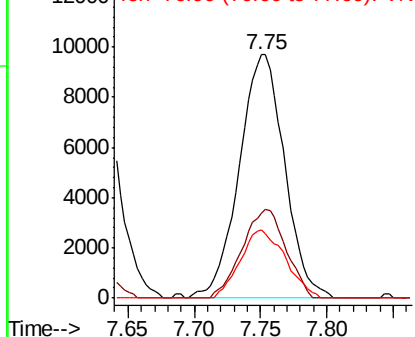


#36
 1,1-Dichloropropene
 Concen: 4.953 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	19.5	58.5
77	27.8	24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

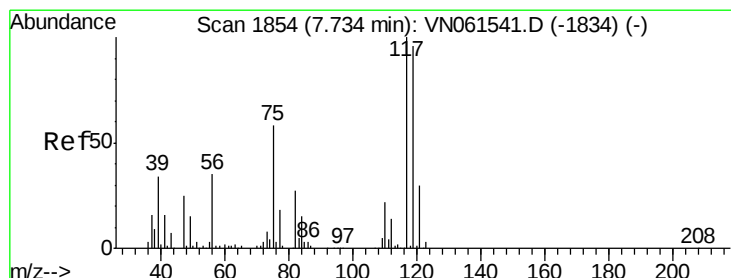
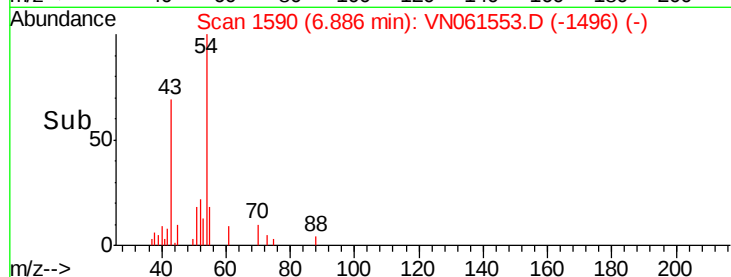
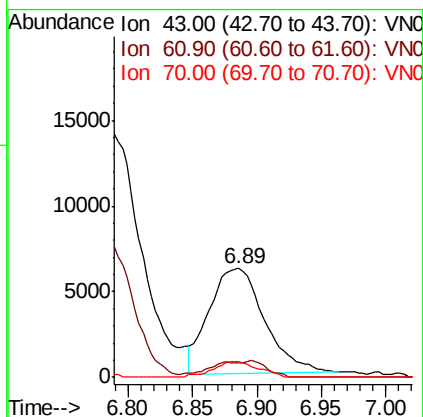
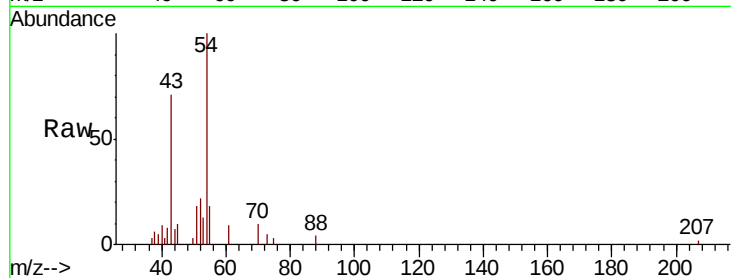




#37
Ethyl Acetate
Concen: 4.920 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

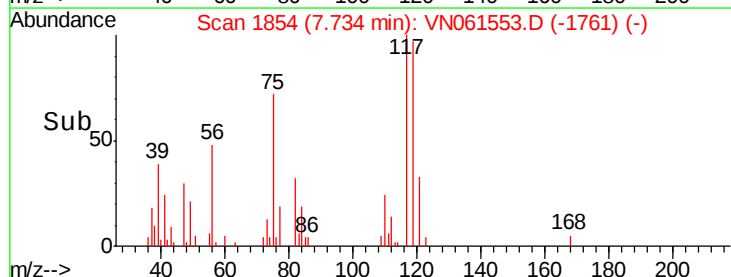
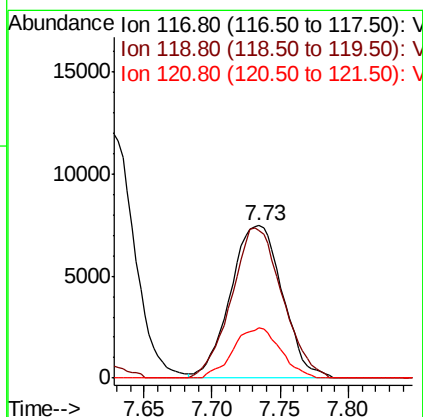
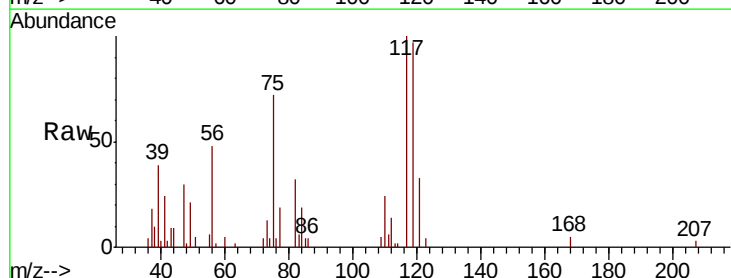
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

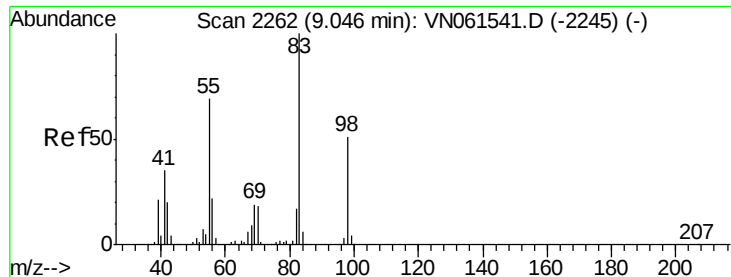
Tot Ion: 43 Resp: 18441
Ion Ratio Lower Upper
43 100
61 5.2 12.2 18.4#
70 12.2 9.4 14.2



#38
Carbon Tetrachloride
Concen: 4.427 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 117 Resp: 19872
Ion Ratio Lower Upper
117 100
119 97.0 76.5 114.7
121 32.7 24.1 36.1

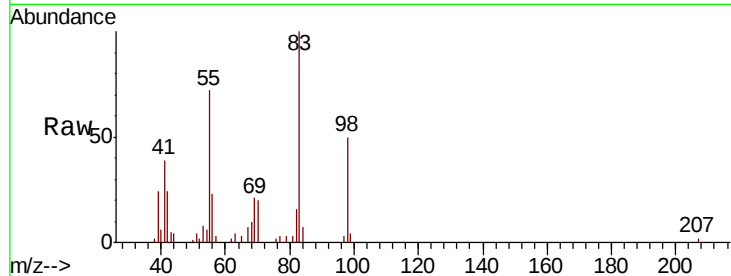




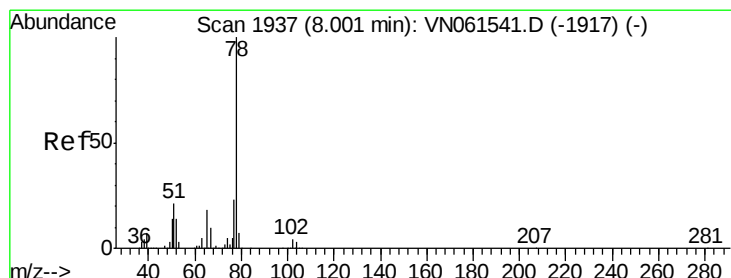
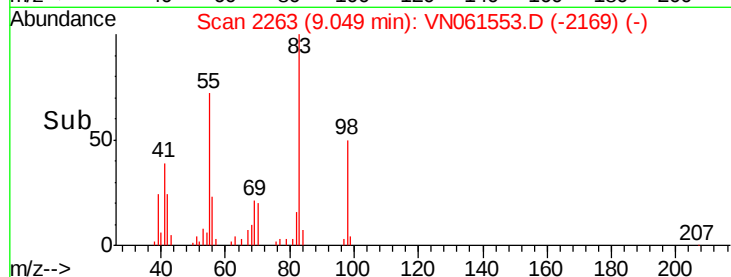
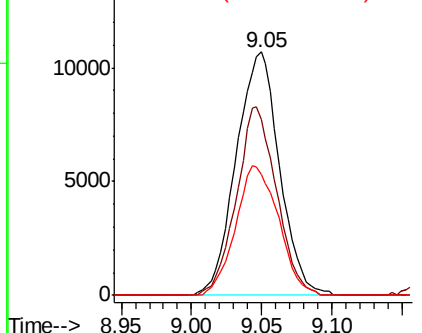
#39
Methvlcvclohexane
Concen: 4.009 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 83 Resp: 22997
Ion Ratio Lower Upper
83 100
55 72.1 54.9 82.3
98 49.5 41.0 61.4

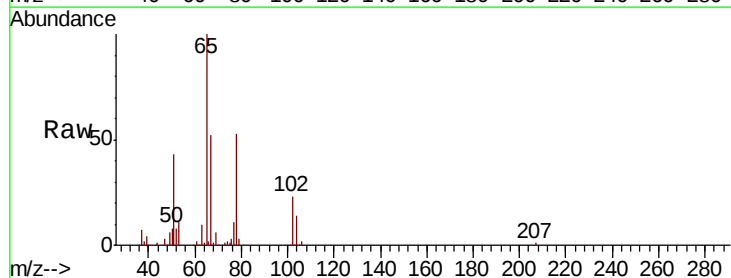


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

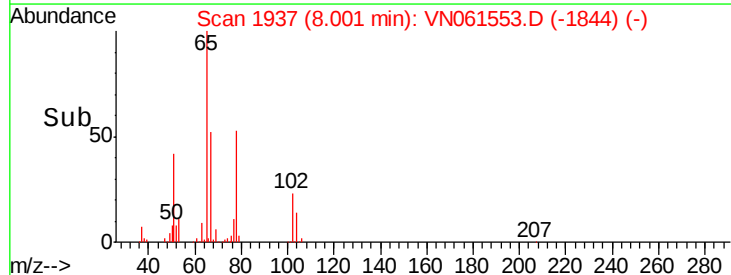
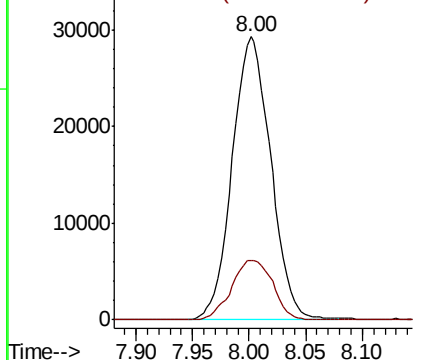


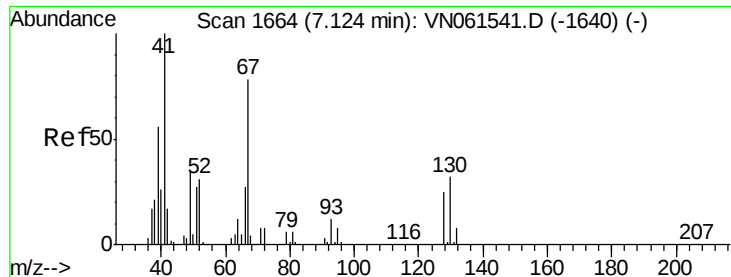
#40
Benzene
Concen: 4.844 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 78 Resp: 69556
Ion Ratio Lower Upper
78 100
77 21.0 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

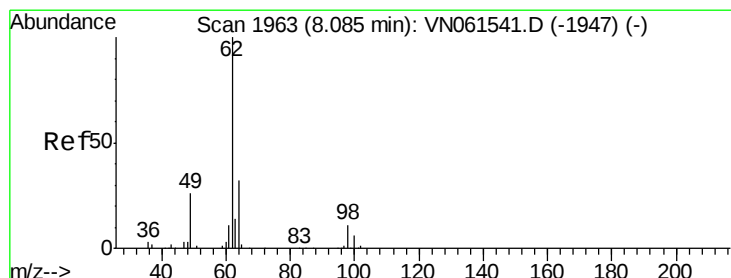
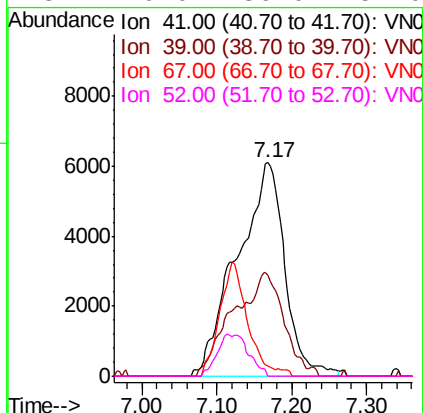
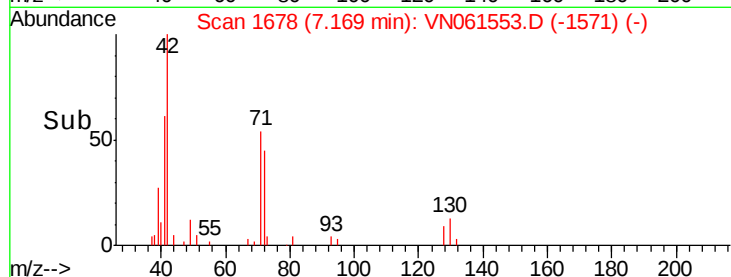
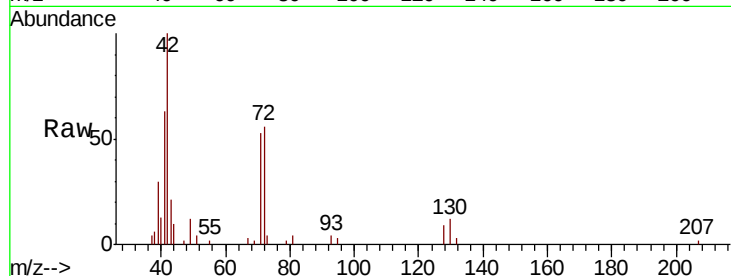




#41
Methacrylonitrile
Concen: 15.748 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

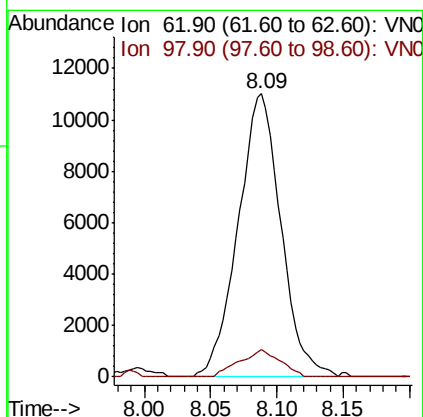
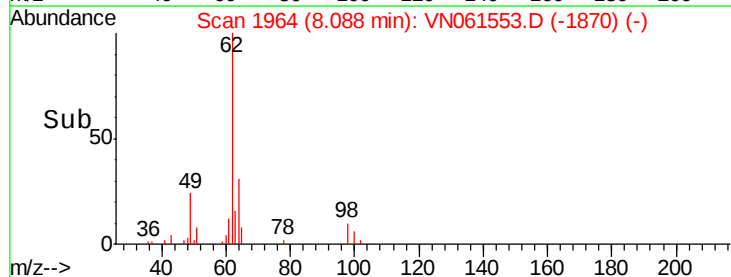
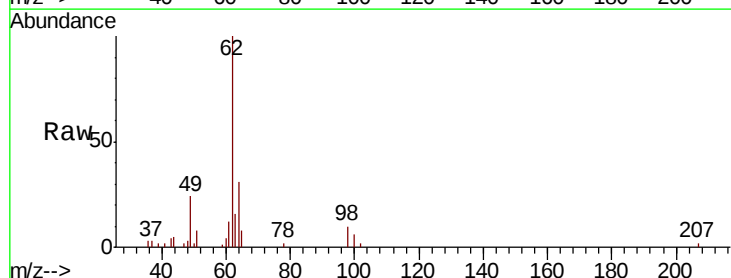
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

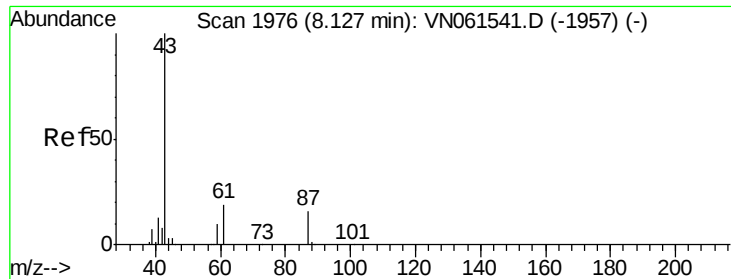
Tot Ion: 41 Resp: 27043
Ion Ratio Lower Upper
41 100
39 24.6 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 5.143 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 62 Resp: 24722
Ion Ratio Lower Upper
62 100
98 9.2 0.0 21.4

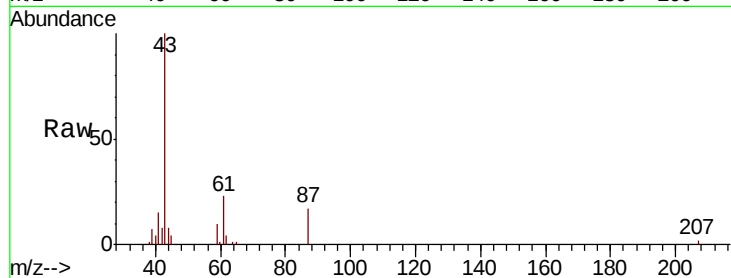




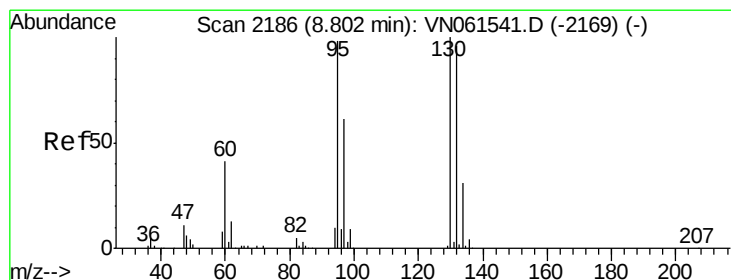
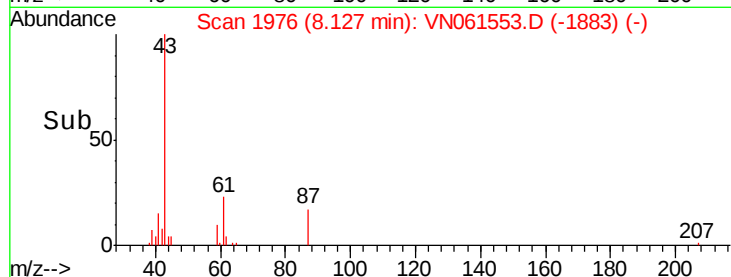
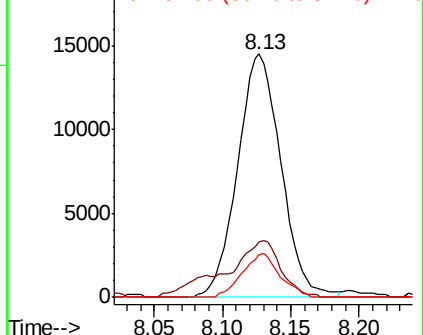
#43
Isopropyl Acetate
Concen: 4.754 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 32057
Ion Ratio Lower Upper
43 100
61 30.0 23.6 35.4
87 15.7 13.0 19.6

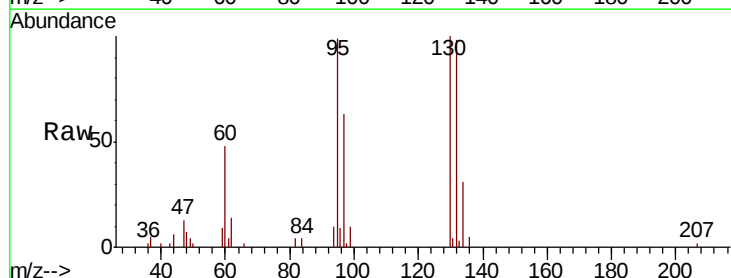


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

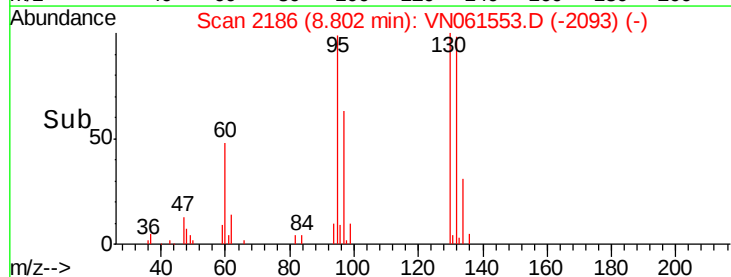
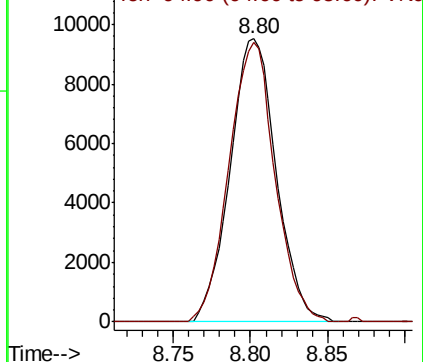


#44
Trichloroethene
Concen: 4.481 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 130 Resp: 19775
Ion Ratio Lower Upper
130 100
95 98.8 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 4.908 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

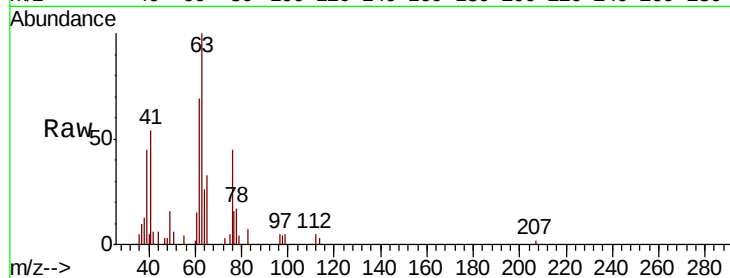
LOQ-WATER-02-QT2-2020

Tot Ion: 63 Resp: 16733

Ion Ratio Lower Upper

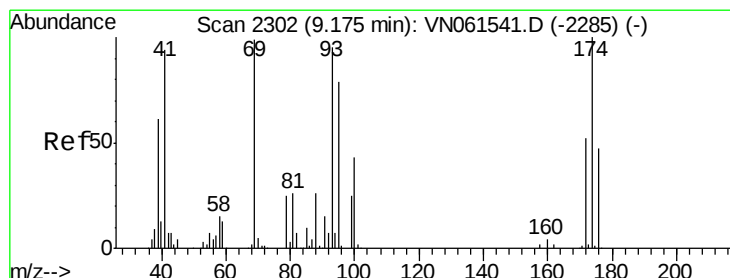
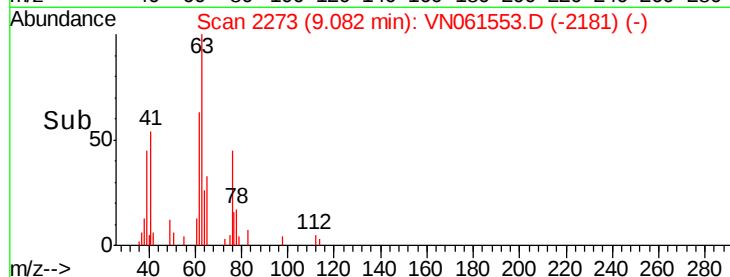
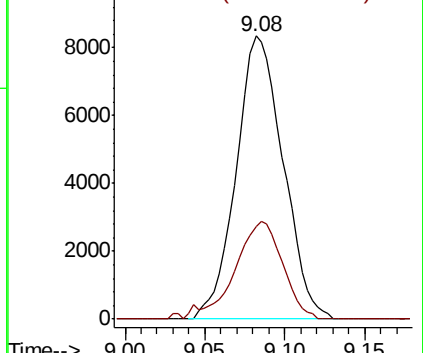
63 100

65 32.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-2250) (-)

Ion 64.90 (64.60 to 65.60): VN061541.D (-2250) (-)



#46

Dibromomethane

Concen: 4.622 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

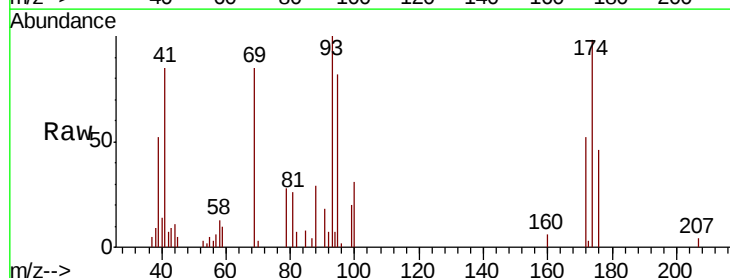
Tgt Ion: 93 Resp: 12085

Ion Ratio Lower Upper

93 100

95 87.1 66.0 99.0

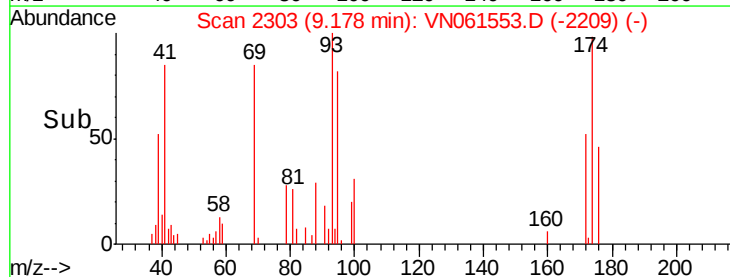
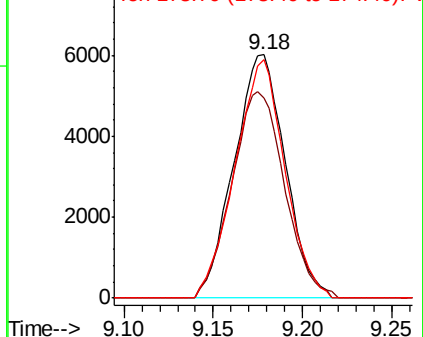
174 95.2 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN061541.D (-2285) (-)

Ion 94.80 (94.50 to 95.50): VN061541.D (-2285) (-)

Ion 173.70 (173.40 to 174.40): VN061541.D (-2285) (-)





#47

Bromodichloromethane

Concen: 4.789 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

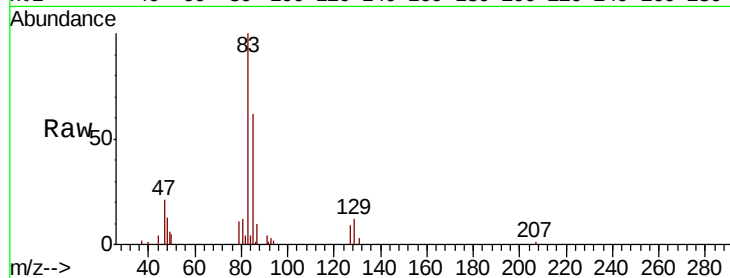
Tot Ion: 83 Resp: 24810

Ion Ratio Lower Upper

83 100

85 62.4 51.1 76.7

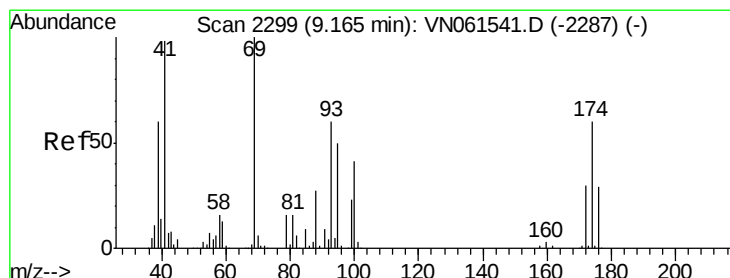
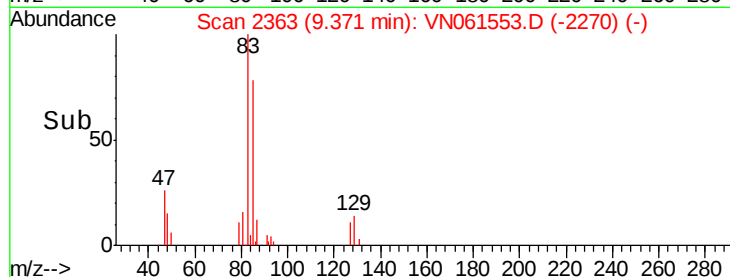
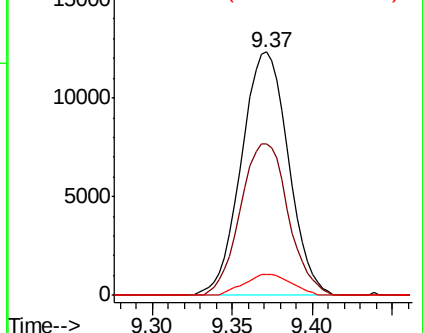
127 8.7 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061553.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061553.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061553.D (-2270) (-)



#48

Methyl methacrylate

Concen: 4.596 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

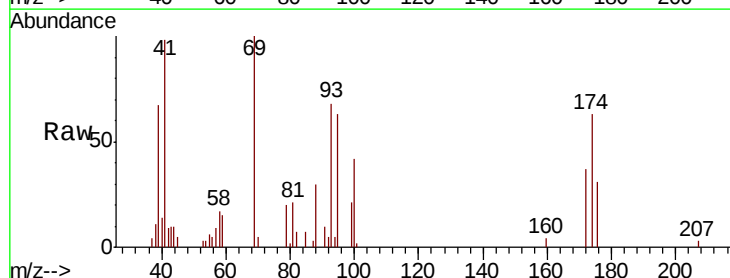
Tgt Ion: 41 Resp: 13943

Ion Ratio Lower Upper

41 100

69 99.3 83.9 125.9

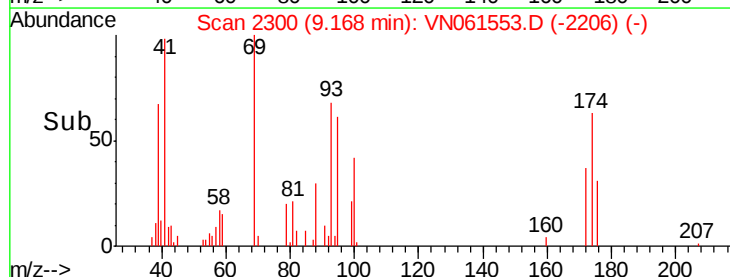
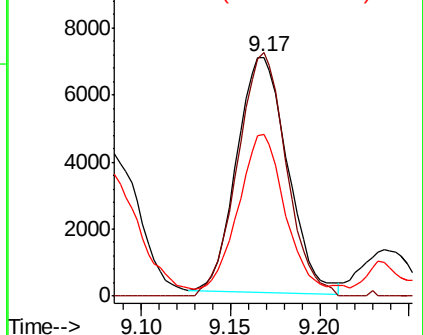
39 65.3 52.1 78.1

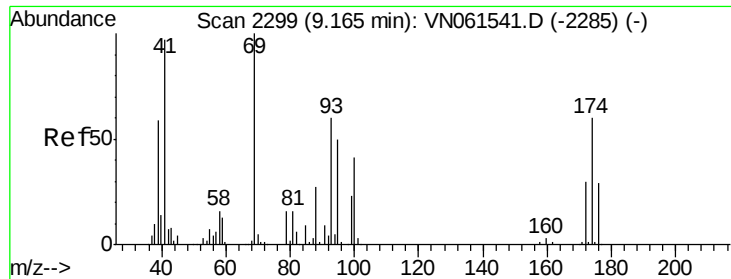


Abundance Ion 41.00 (40.70 to 41.70): VN061553.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061553.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061553.D (-2206) (-)

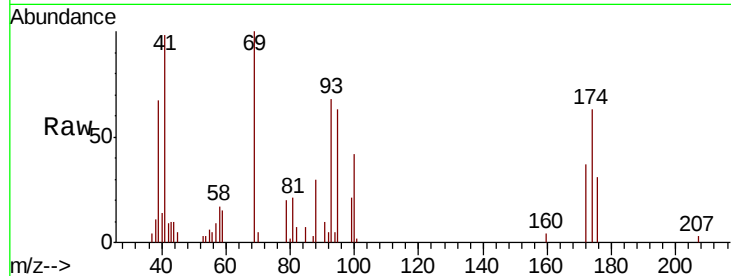




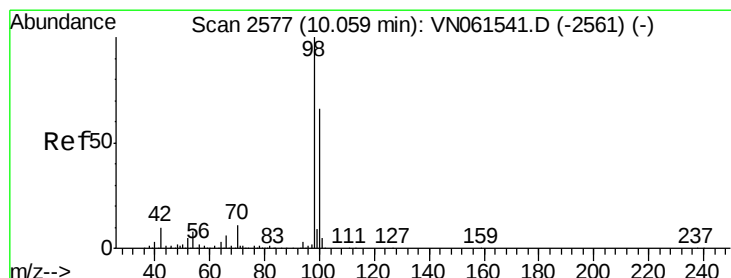
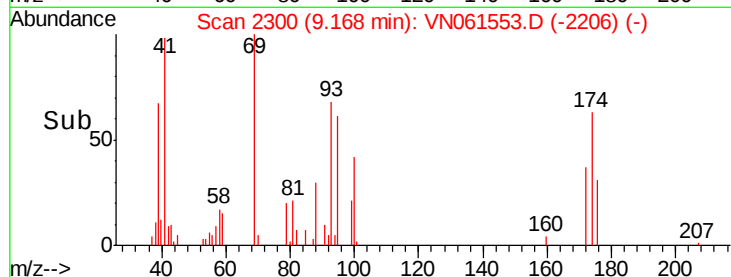
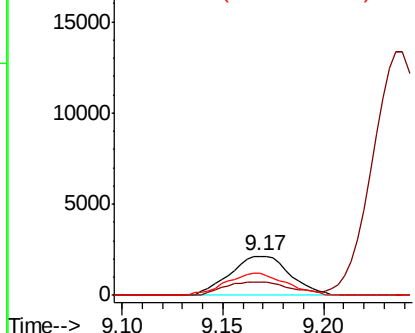
#49
 1,4-Dioxane
 Concen: 94.745 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion: 88 Resp: 4453
 Ion Ratio Lower Upper
 88 100
 43 37.7 23.1 34.7#
 58 56.2 48.3 72.5

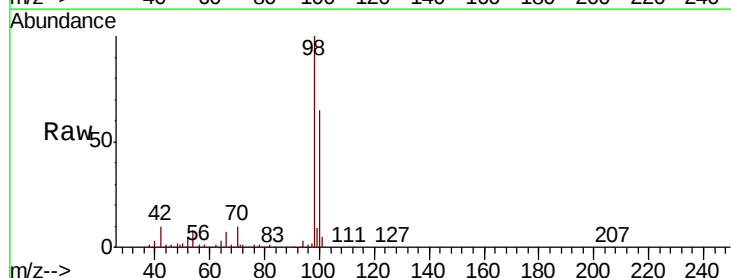


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

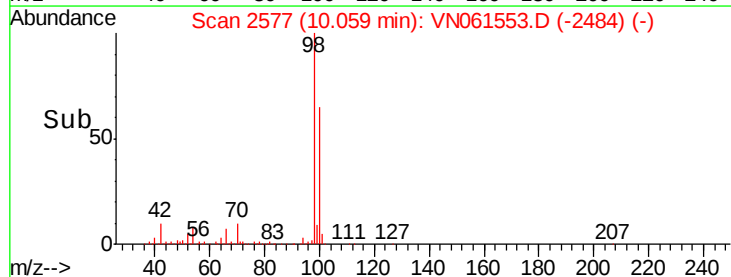
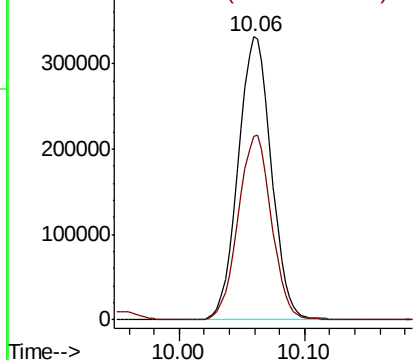


#50
 Toluene-d8
 Concen: 49.392 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion: 98 Resp: 610358
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 23.349 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

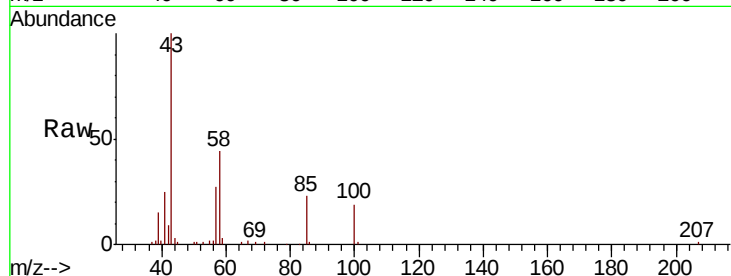
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 88724

Ion Ratio Lower Upper

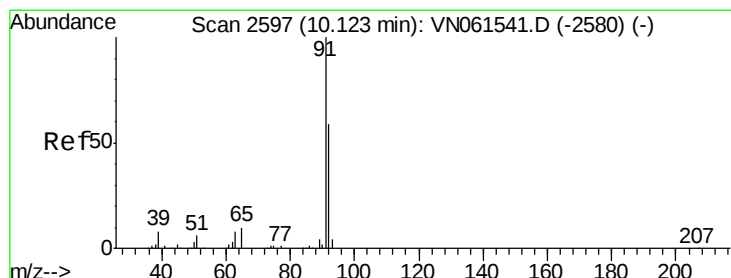
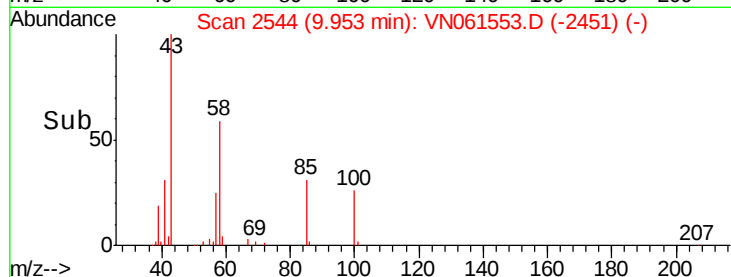
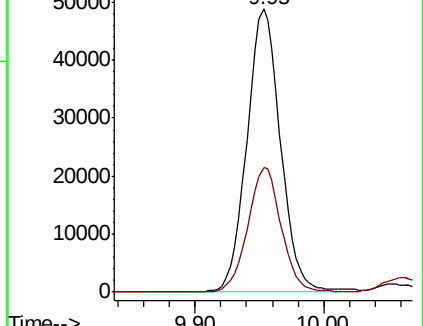
43 100

58 43.9 35.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)



#52

Toluene

Concen: 4.724 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061553.D

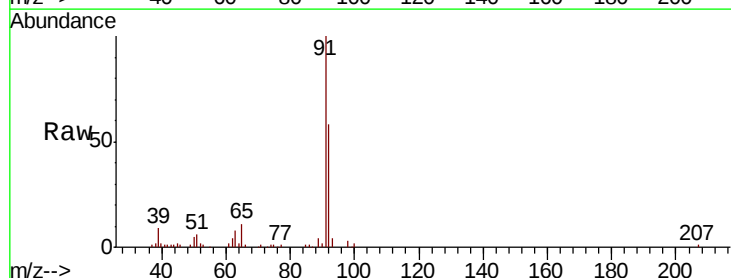
Acq: 29 May 2020 00:46

Tgt Ion: 92 Resp: 44270

Ion Ratio Lower Upper

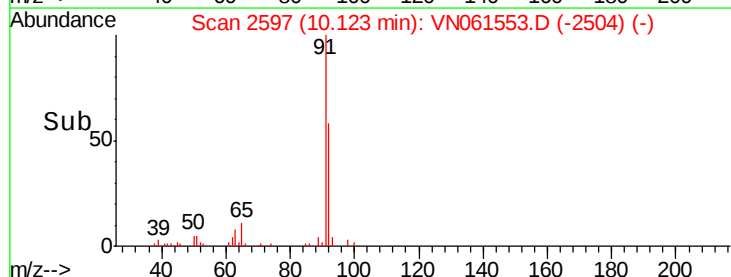
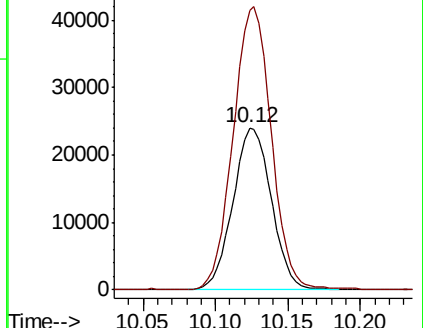
92 100

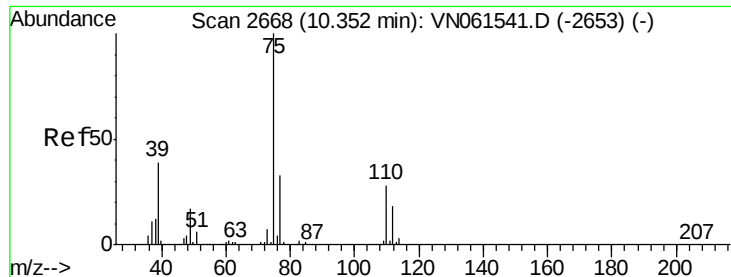
91 174.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN061541.D (-2580) (-)

Ion 91.00 (90.70 to 91.70): VN061541.D (-2580) (-)





#53

t-1,3-Dichloropropene

Concen: 4.555 ug/l

RT: 10.35 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

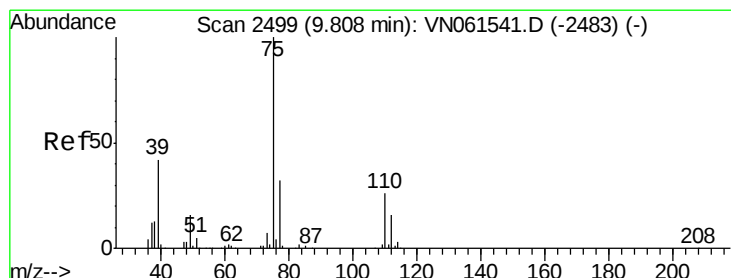
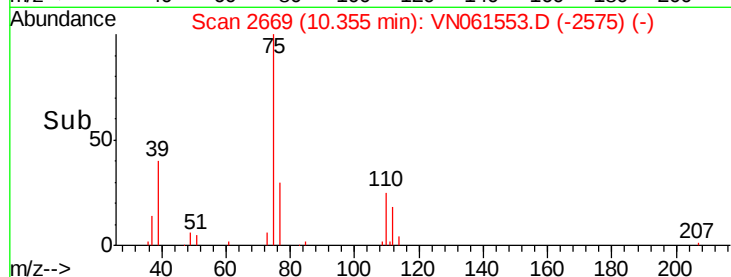
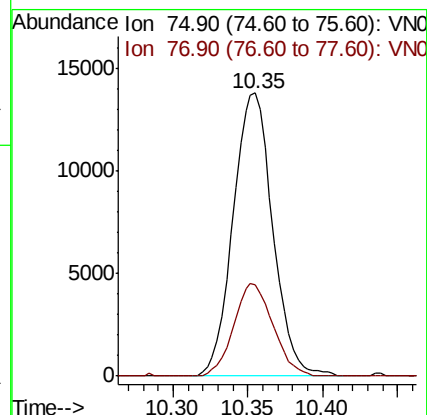
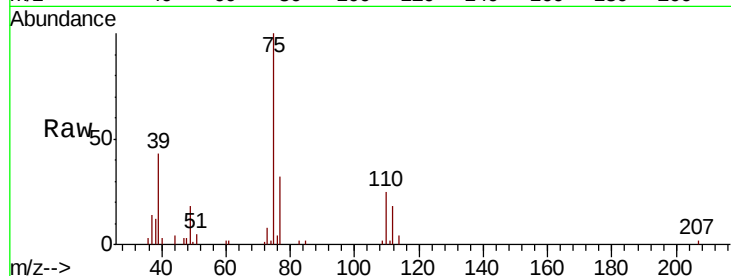
LOQ-WATER-02-QT2-2020

Tot Ion: 75 Resp: 25423

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 4.570 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

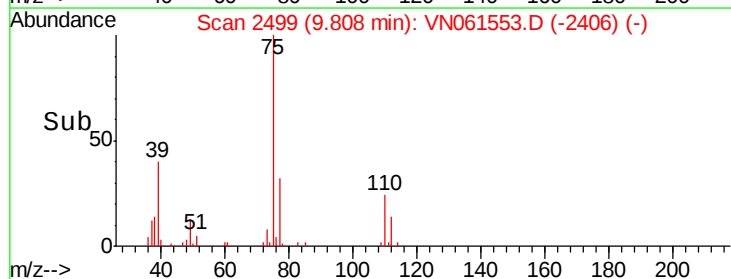
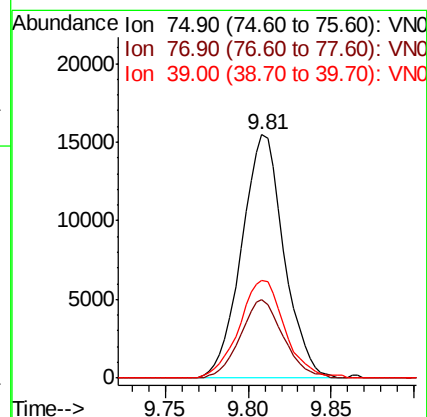
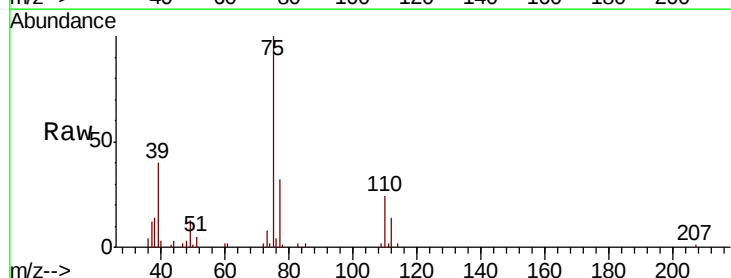
Tgt Ion: 75 Resp: 27425

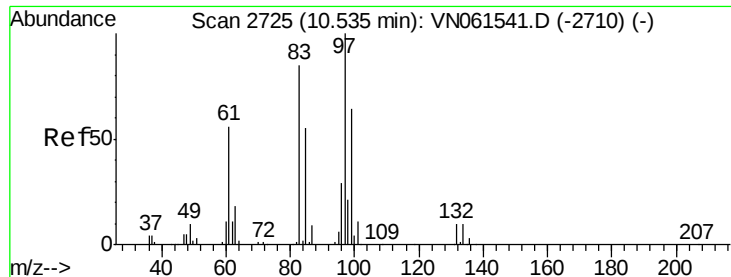
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 40.2 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 4.810 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 97 Resp: 17957

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	50.7	44.1	66.1
99	62.2	51.1	76.7

Abundance

Ion 96.90 (96.60 to 97.60): VN0

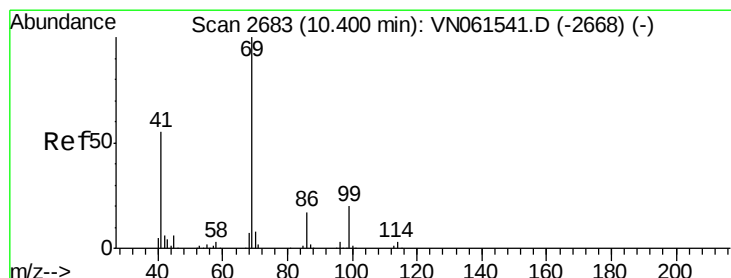
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.53

Time-->



#56

Ethyl methacrylate

Concen: 4.576 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion: 69 Resp: 23864

Ion	Ratio	Lower	Upper
69	100		
41	56.7	43.5	65.3
39	34.1	27.0	40.6

Abundance

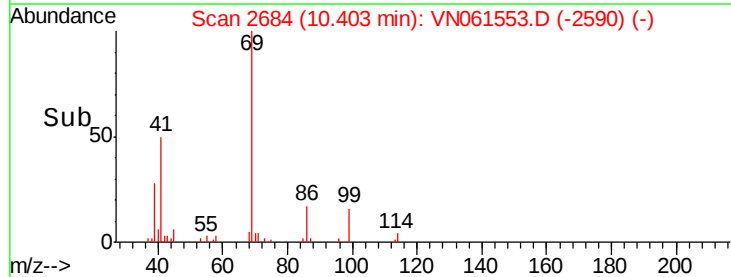
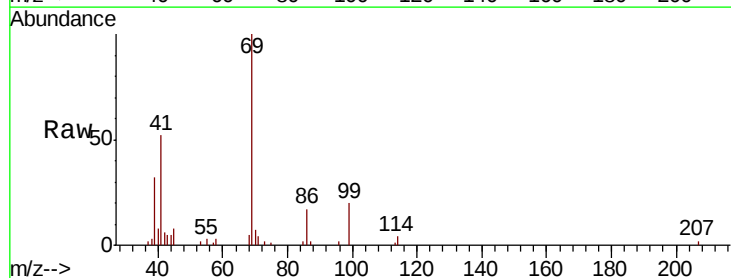
Ion 69.00 (68.70 to 69.70): VN0

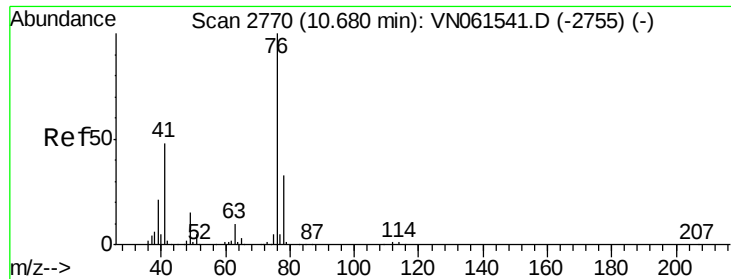
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.40

Time-->





#57

1,3-Dichloropropane

Concen: 5.037 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

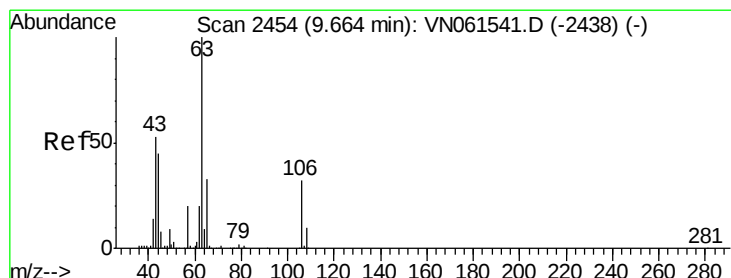
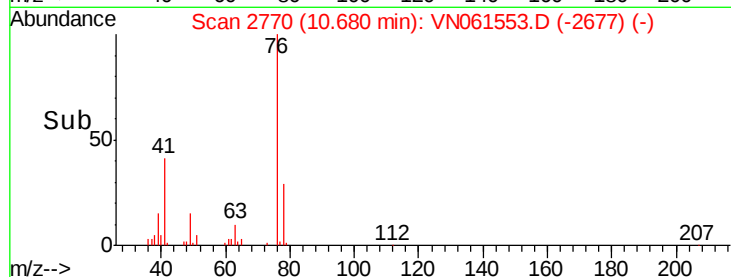
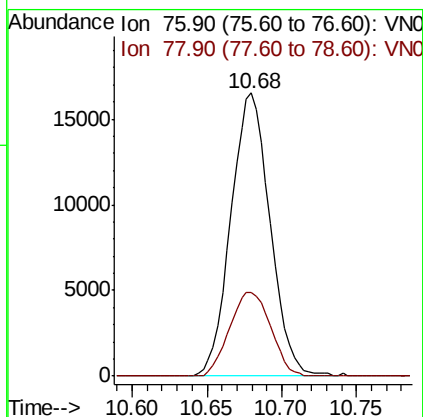
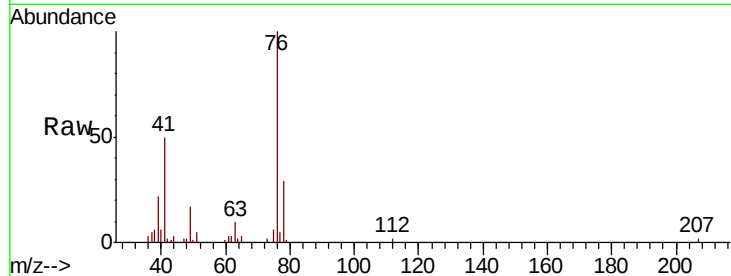
LOQ-WATER-02-QT2-2020

Tot Ion: 76 Resp: 30077

Ion Ratio Lower Upper

76 100

78 31.1 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 23.081 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061553.D

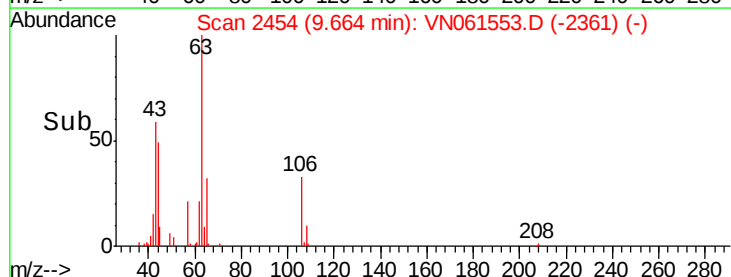
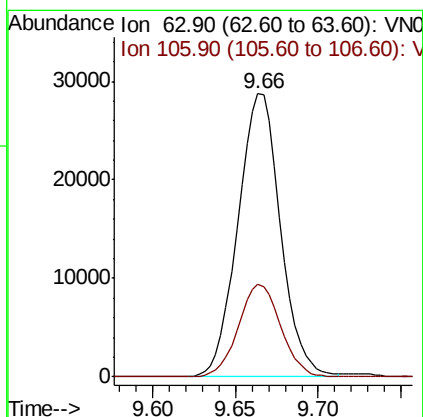
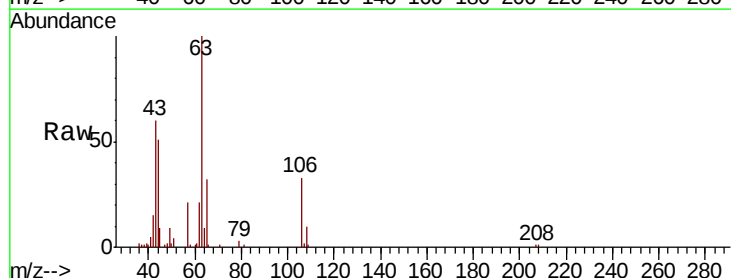
Acq: 29 May 2020 00:46

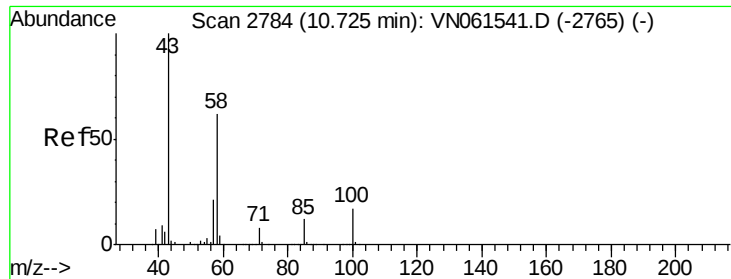
Tgt Ion: 63 Resp: 51444

Ion Ratio Lower Upper

63 100

106 32.3 25.9 38.9

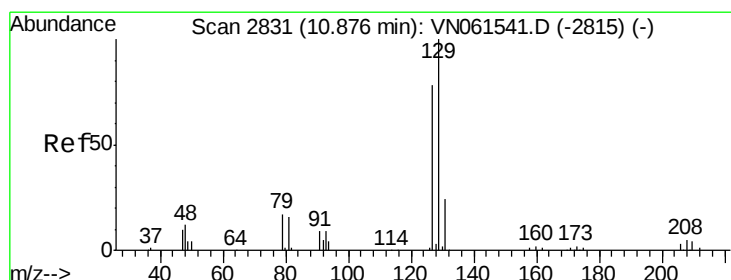
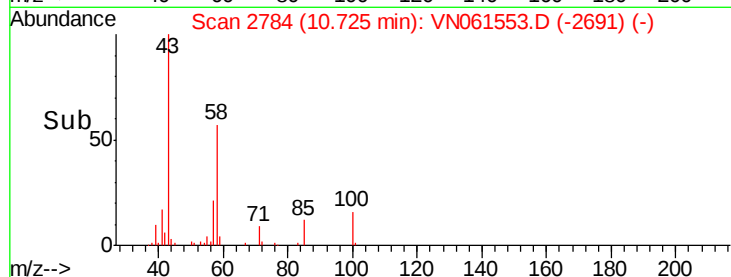
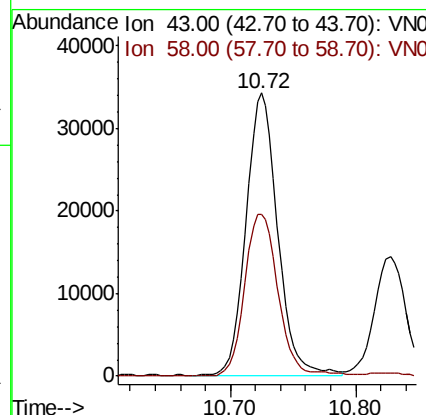
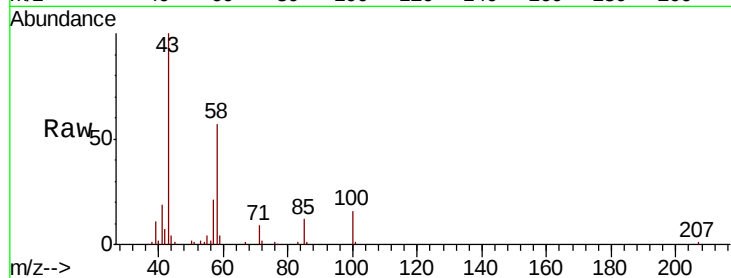




#59
2-Hexanone
Concen: 22.180 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

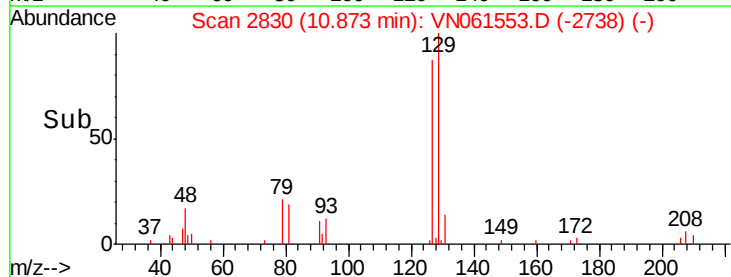
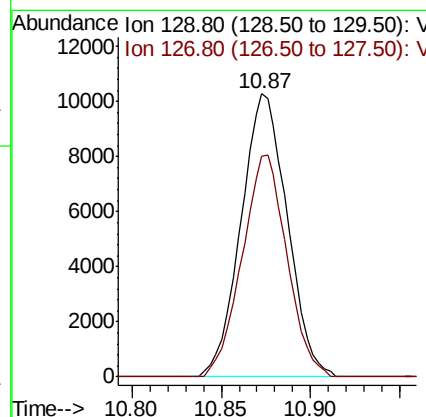
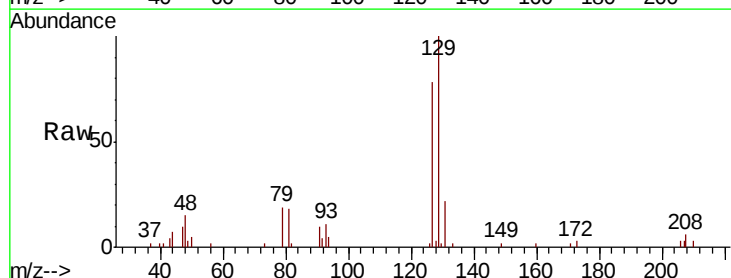
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 60529
Ion Ratio Lower Upper
43 100
58 60.4 30.7 92.1



#60
Dibromochloromethane
Concen: 4.391 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 129 Resp: 18637
Ion Ratio Lower Upper
129 100
127 75.8 38.8 116.3

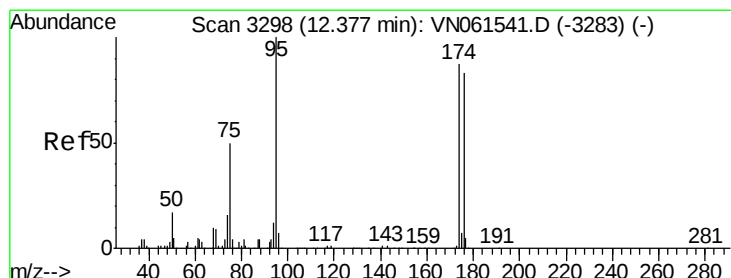
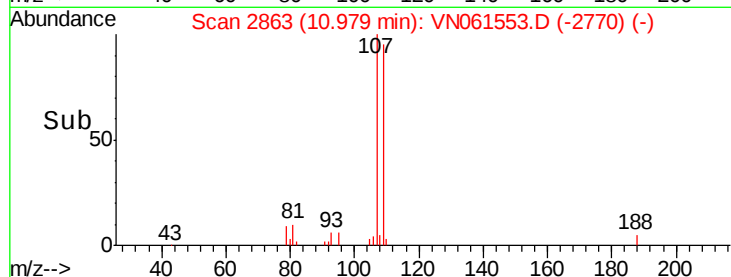
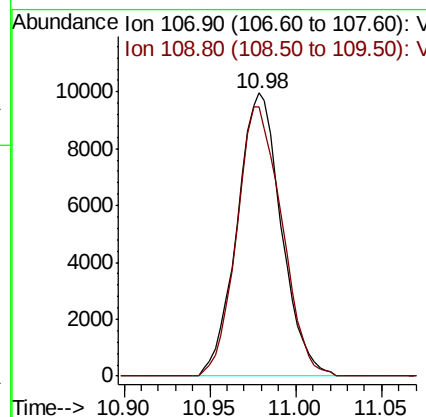
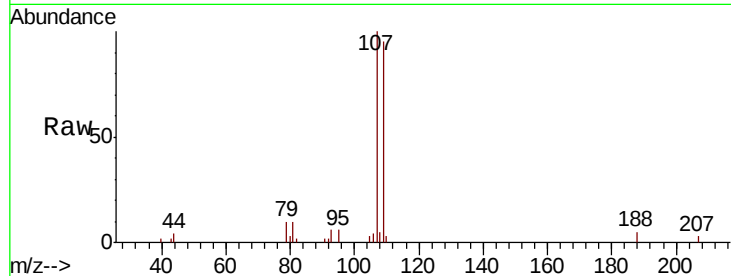




#61
 1,2-Dibromoethane
 Concen: 4.577 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

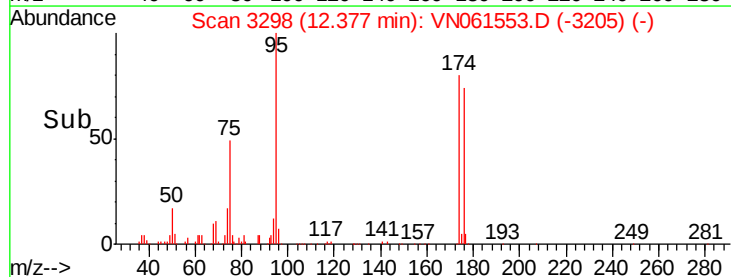
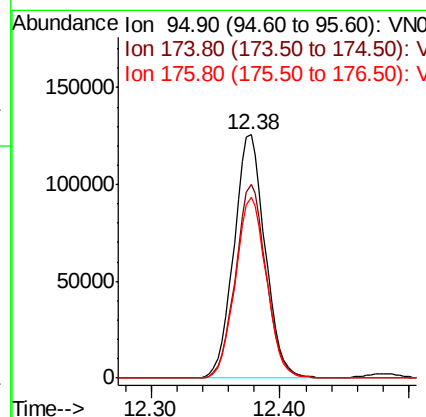
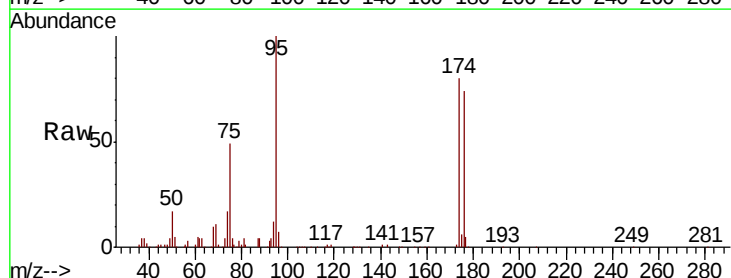
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

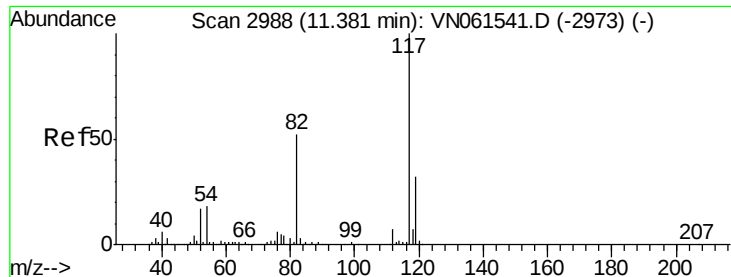
Tot Ion: 107 Resp: 17824
 Ion Ratio Lower Upper
 107 100
 109 97.1 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 46.742 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion: 95 Resp: 210732
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 172.8
 176 74.4 0.0 164.8

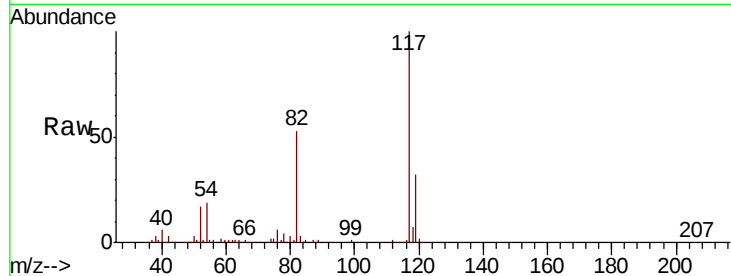




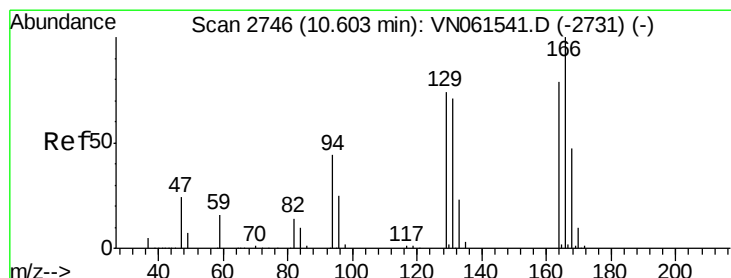
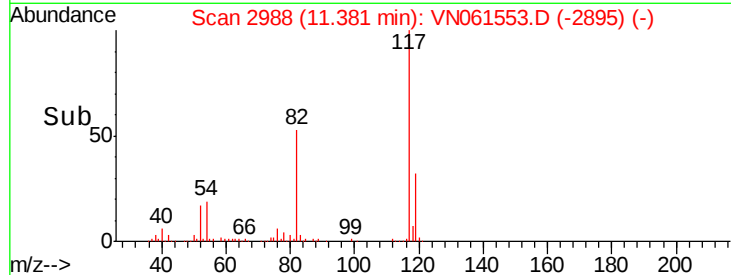
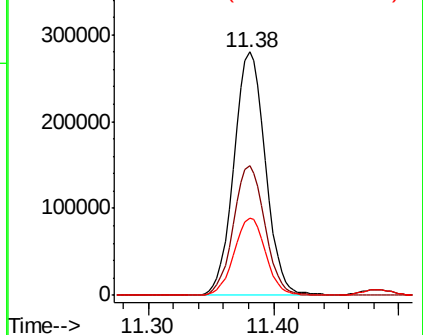
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion:117 Resp: 489462
Ion Ratio Lower Upper
117 100
82 53.0 41.5 62.3
119 32.0 25.6 38.4

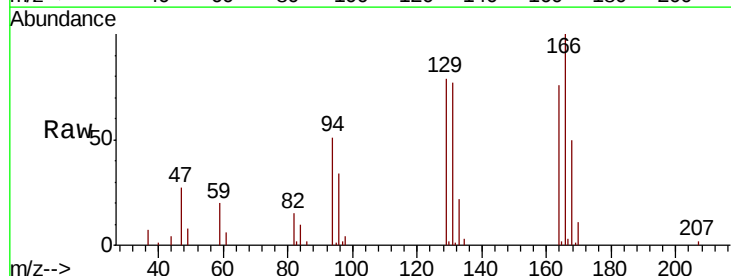


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

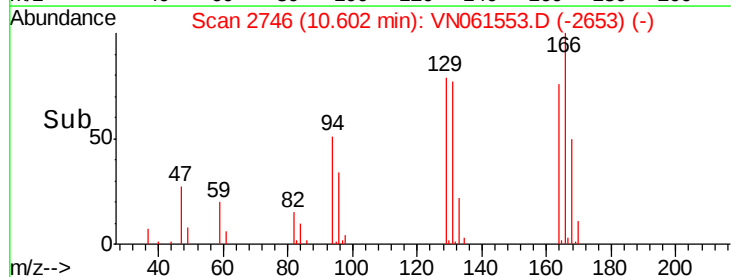
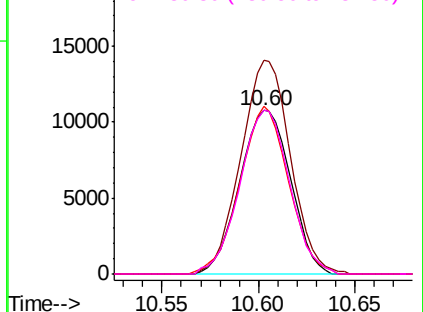


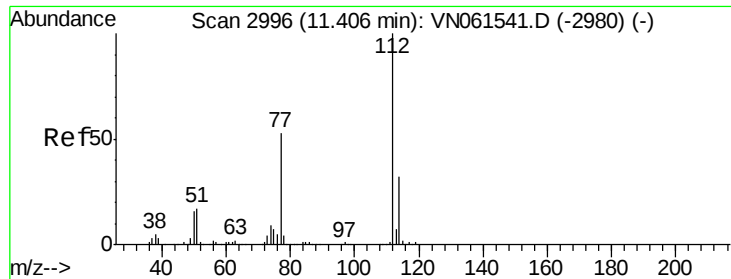
#64
Tetrachloroethene
Concen: 4.284 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion:164 Resp: 19740
Ion Ratio Lower Upper
164 100
166 130.7 101.5 152.3
129 102.6 74.9 112.3
131 100.1 72.2 108.2



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





#65

Chlorobenzene

Concen: 4.783 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

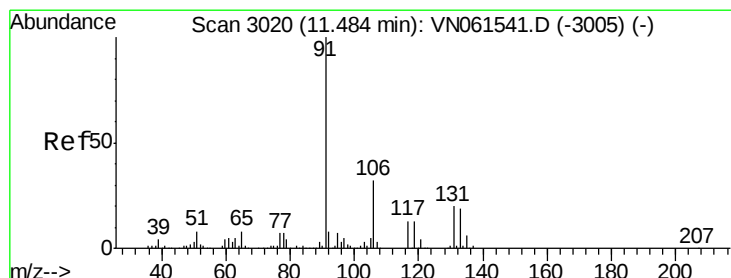
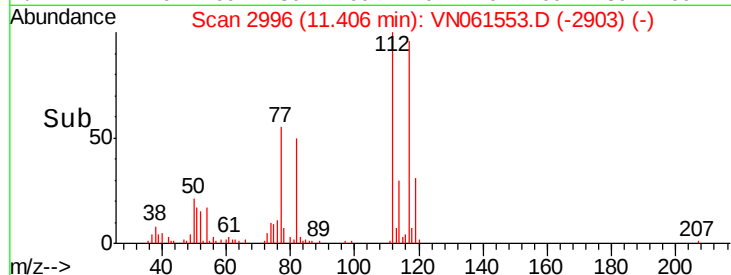
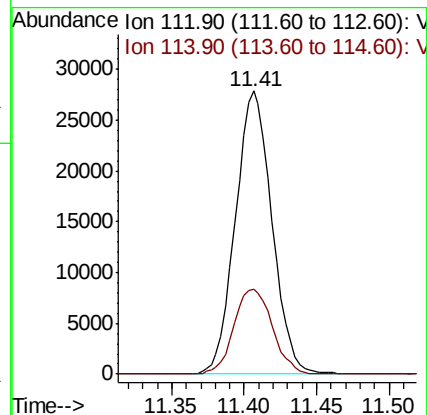
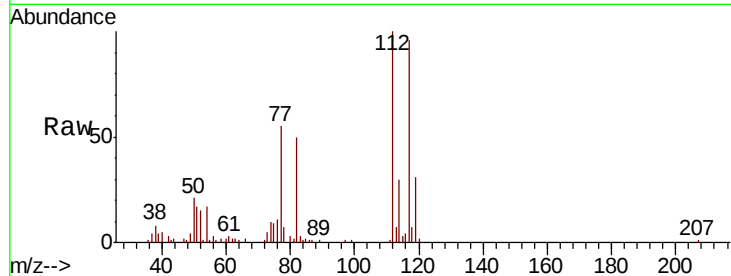
LOQ-WATER-02-QT2-2020

Tot Ion:112 Resp: 48658

Ion Ratio Lower Upper

112 100

114 29.8 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 4.444 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

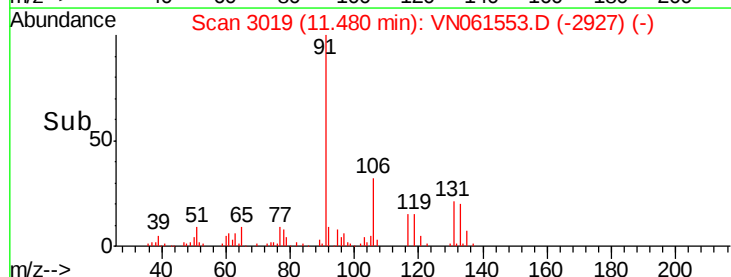
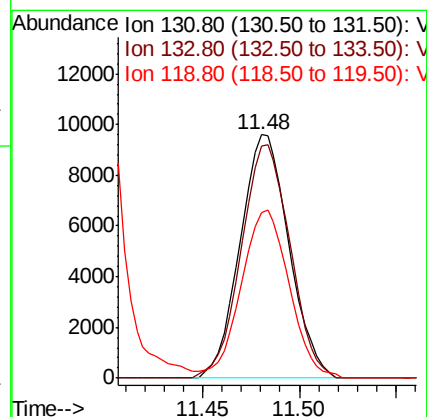
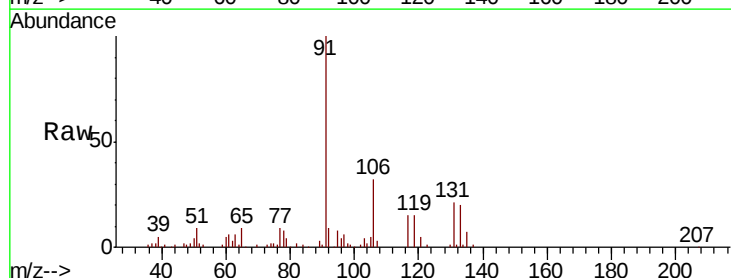
Tgt Ion:131 Resp: 16836

Ion Ratio Lower Upper

131 100

133 95.8 47.4 142.2

119 68.0 32.6 97.8

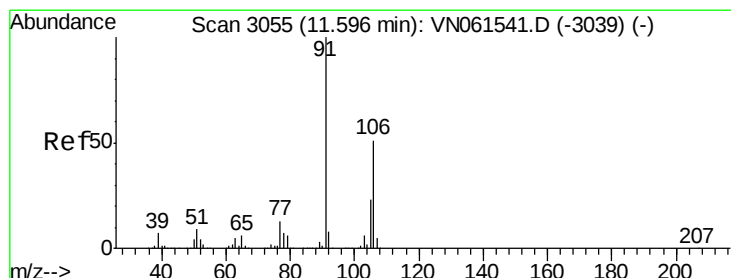
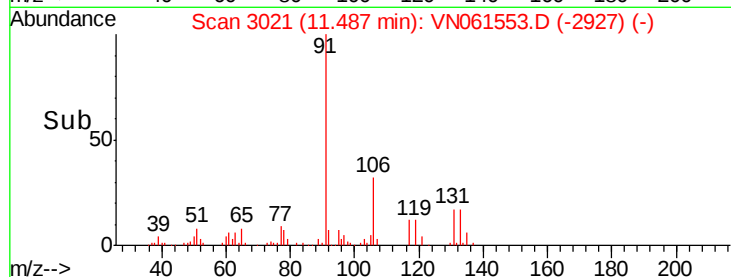
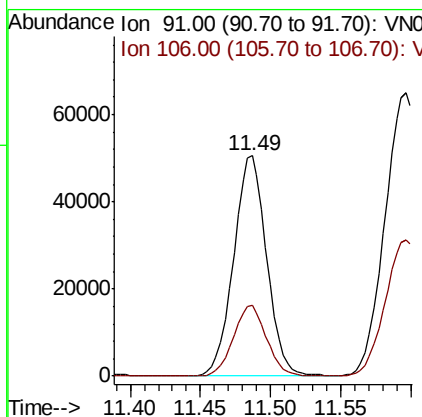
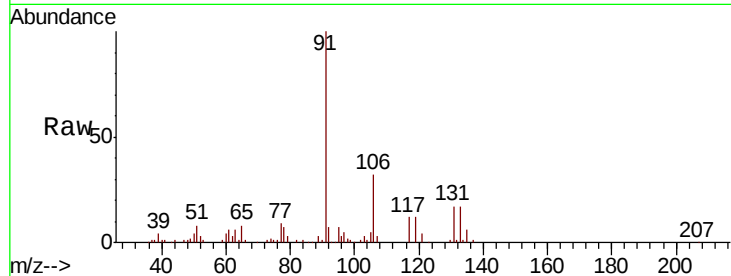




#67
Ethyl Benzene
Concen: 4.716 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

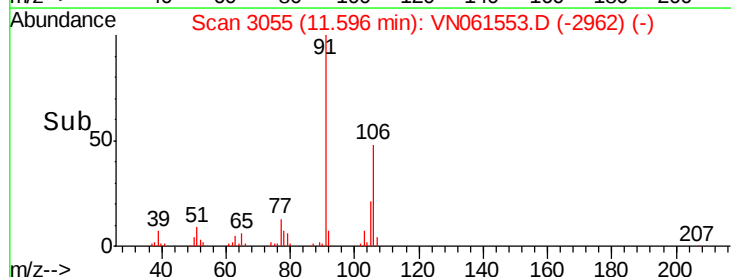
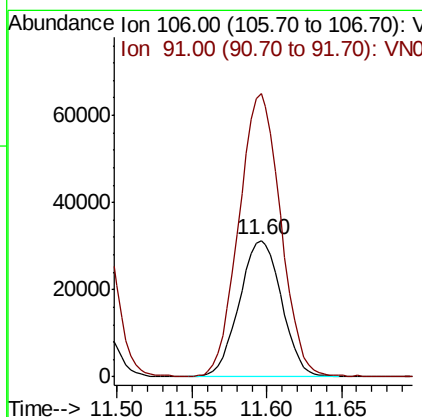
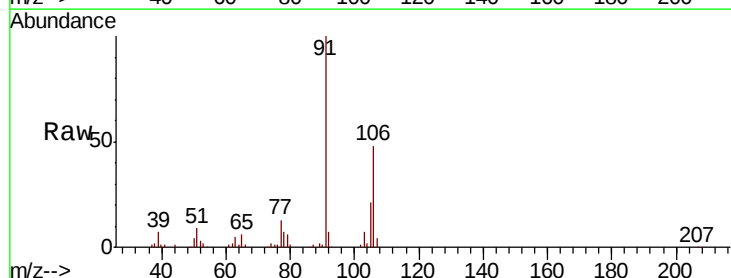
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

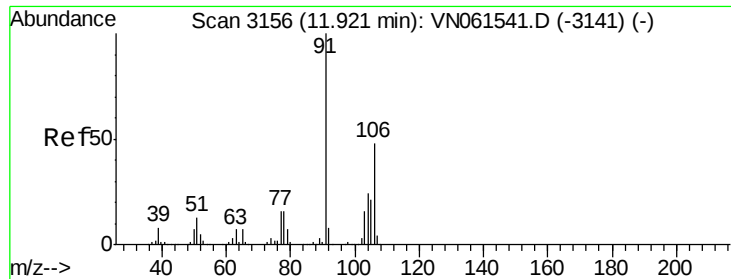
Tot Ion: 91 Resp: 82935
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4



#68
m/p-Xylenes
Concen: 8.860 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 106 Resp: 61779
Ion Ratio Lower Upper
106 100
91 203.1 156.2 234.4

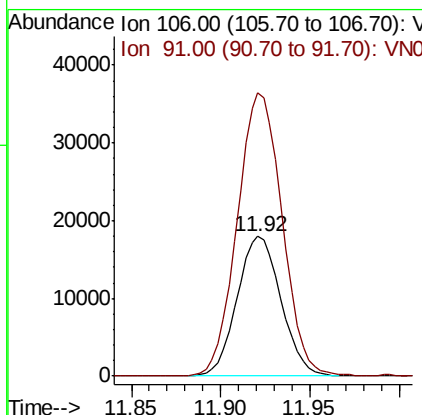
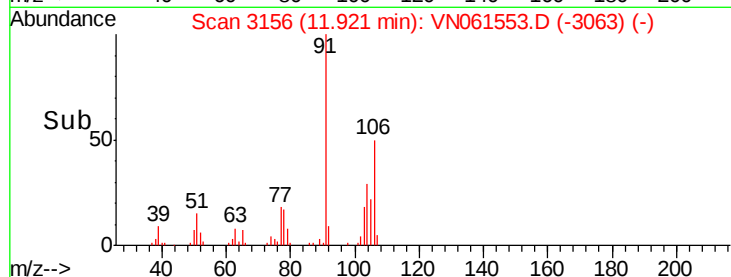
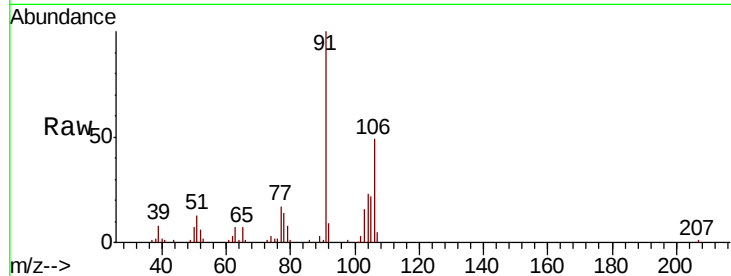




#69
o-Xylene
Concen: 4.632 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

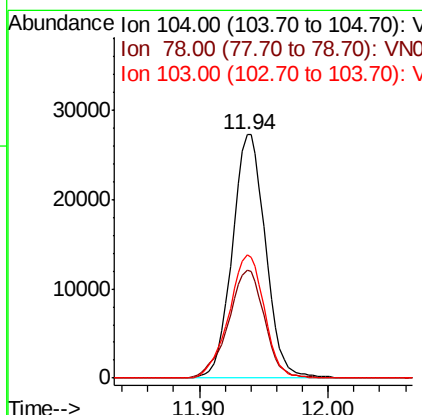
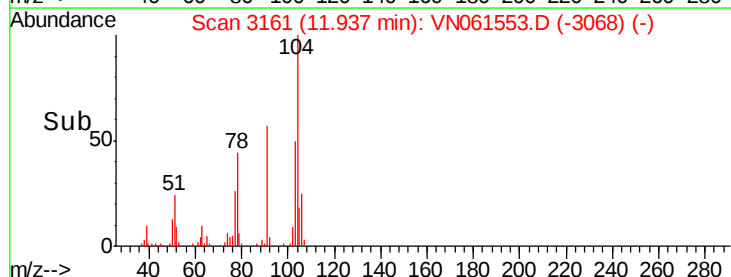
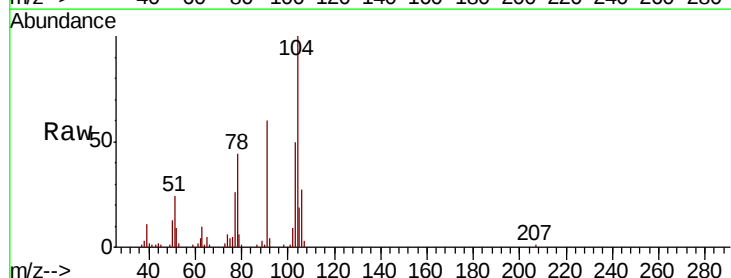
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

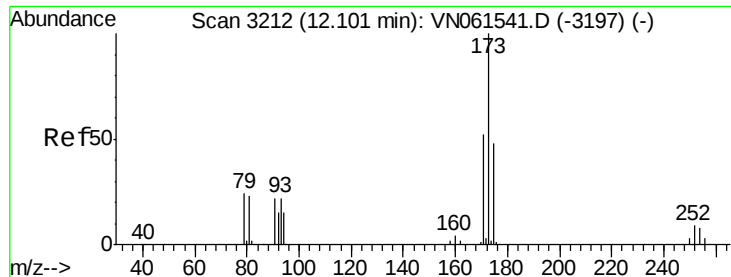
Tot Ion:106 Resp: 30674
Ion Ratio Lower Upper
106 100
91 207.8 103.3 309.8



#70
Styrene
Concen: 4.454 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion:104 Resp: 48843
Ion Ratio Lower Upper
104 100
78 48.1 37.4 56.0
103 53.9 42.3 63.5





#71

Bromoform

Concen: 3.733 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

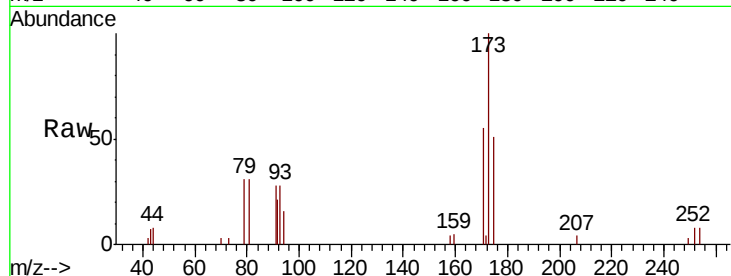
Tot Ion:173 Resp: 10898

Ion Ratio Lower Upper

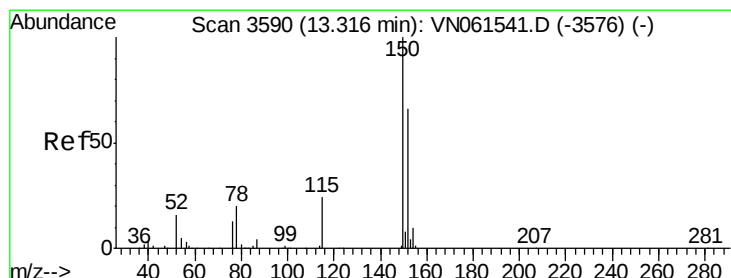
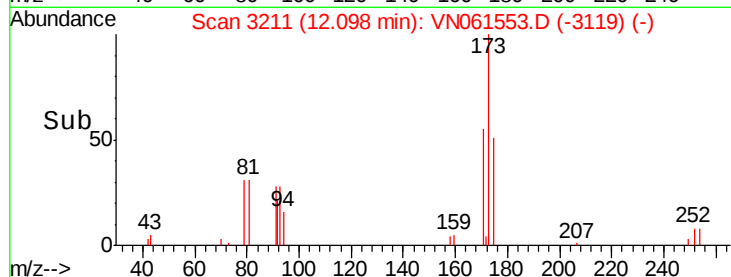
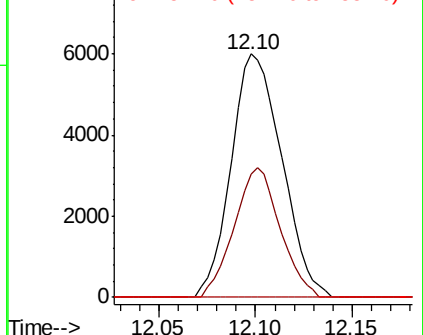
173 100

175 48.2 24.4 73.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

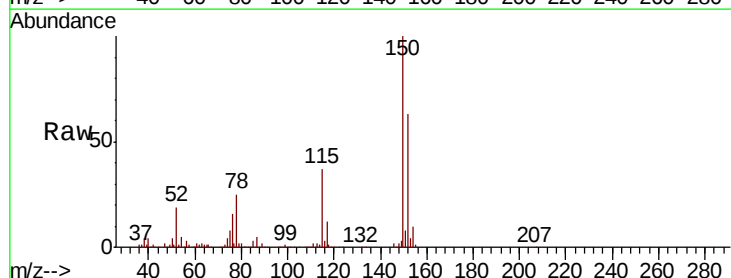
Tgt Ion:152 Resp: 213536

Ion Ratio Lower Upper

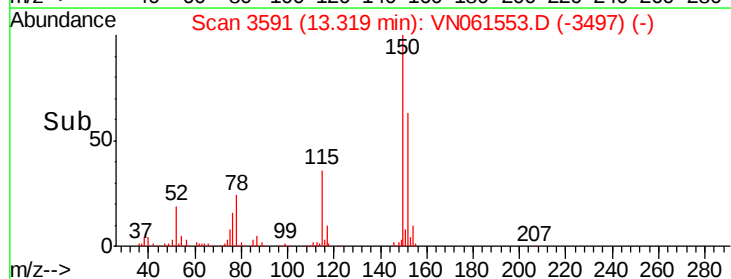
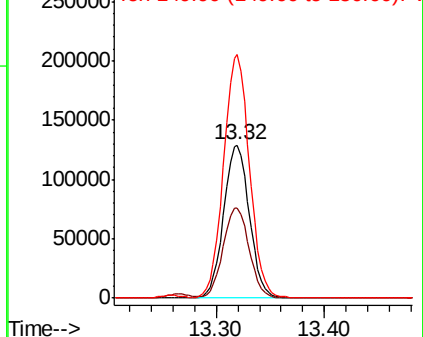
152 100

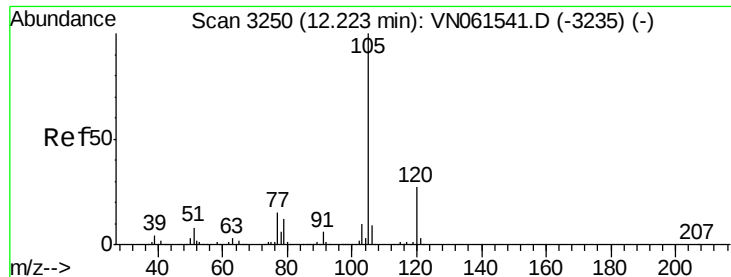
115 59.9 28.0 84.0

150 159.4 0.0 344.0



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





#73

Isopropylbenzene

Concen: 5.012 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

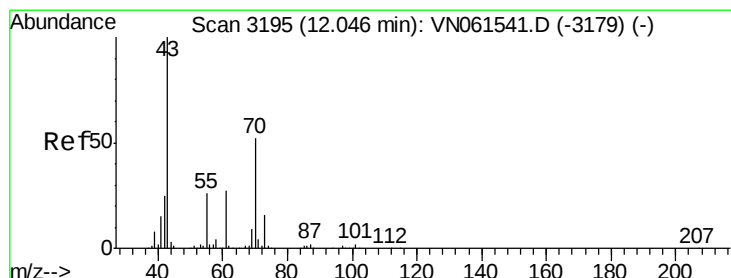
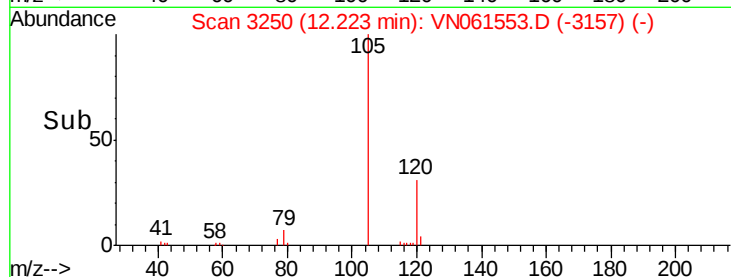
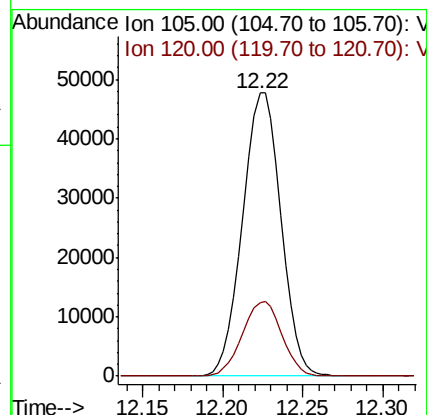
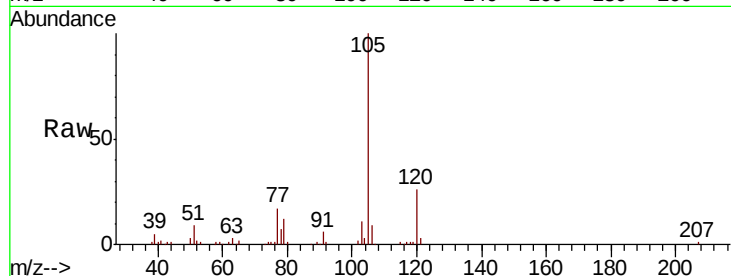
LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 78112

Ion Ratio Lower Upper

105 100

120 27.0 13.8 41.3



#74

N-ethyl acetate

Concen: 4.980 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Tgt Ion: 43 Resp: 24441

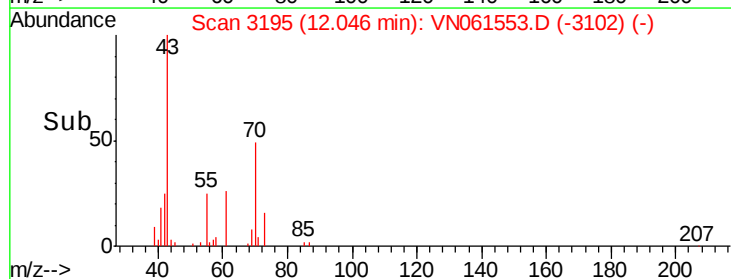
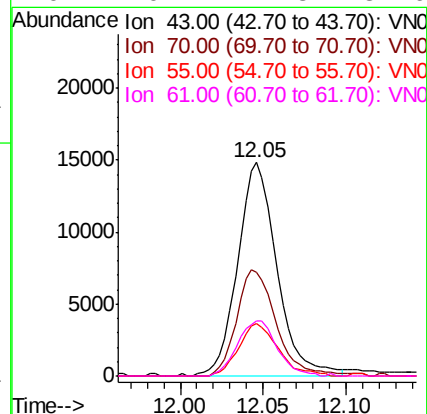
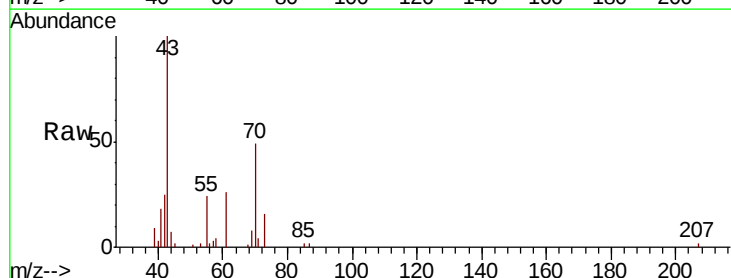
Ion Ratio Lower Upper

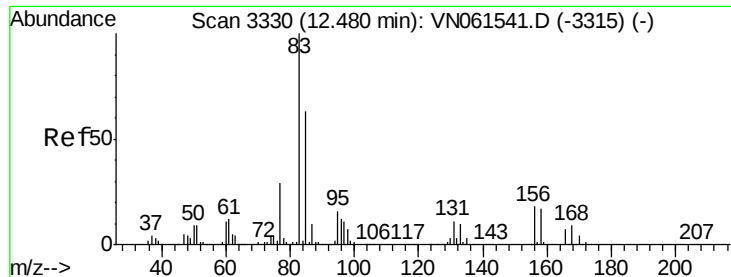
43 100

70 50.2 40.5 60.7

55 24.8 20.6 31.0

61 26.1 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.389 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

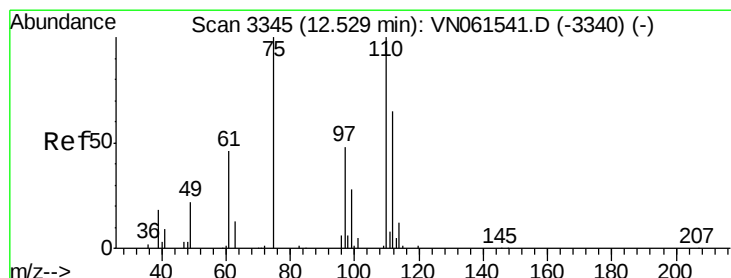
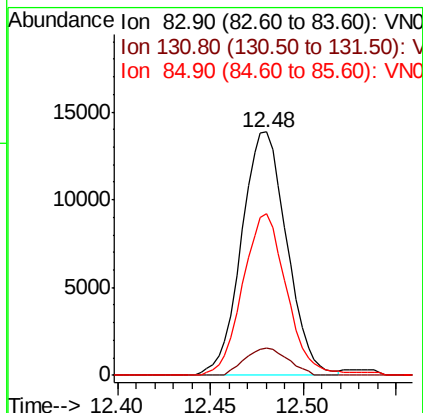
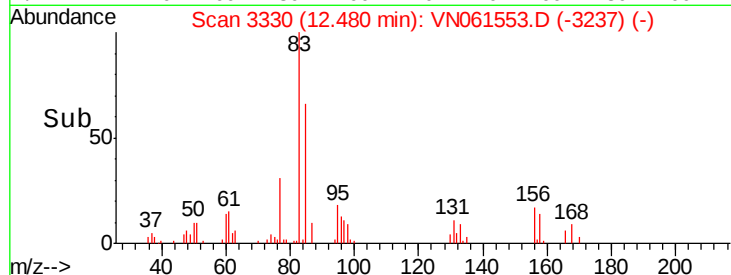
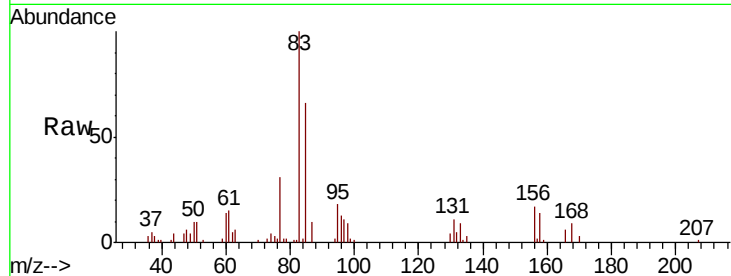
Tot Ion: 83 Resp: 23537

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.5

85 64.1 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 7.400 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061553.D

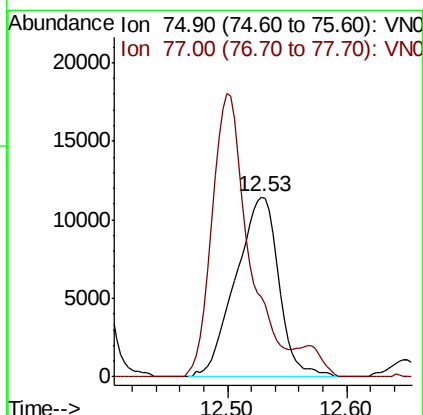
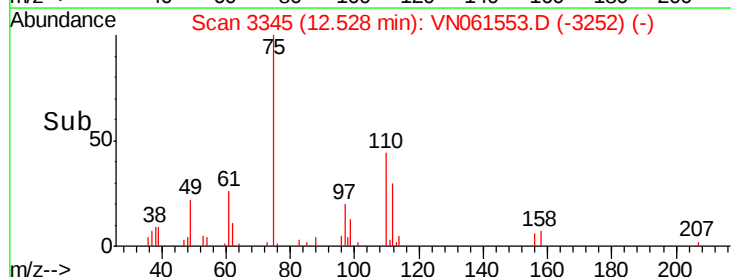
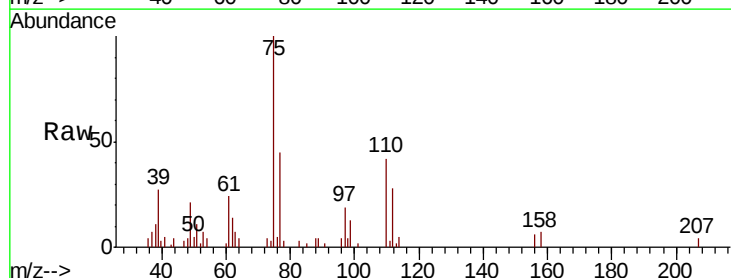
Acq: 29 May 2020 00:46

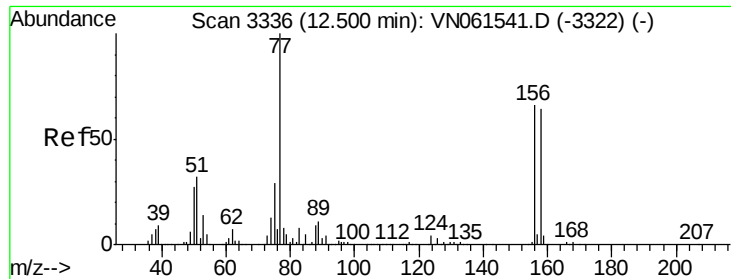
Tgt Ion: 75 Resp: 28732

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.849 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

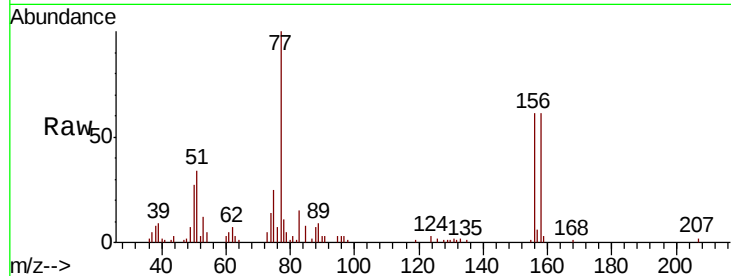
Tot Ion:156 Resp: 19290

Ion Ratio Lower Upper

156 100

77 199.3 90.9 272.7

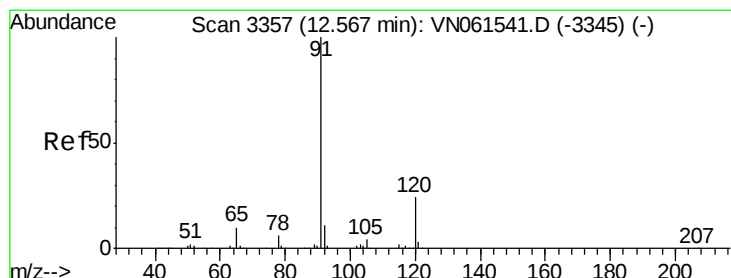
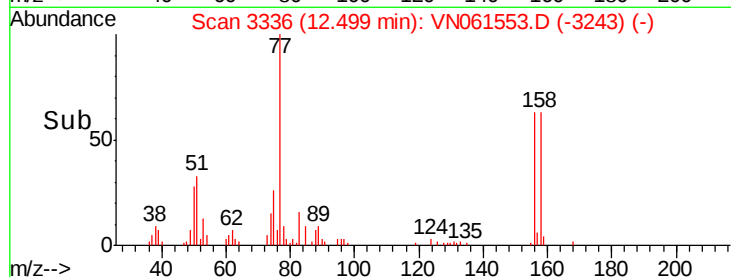
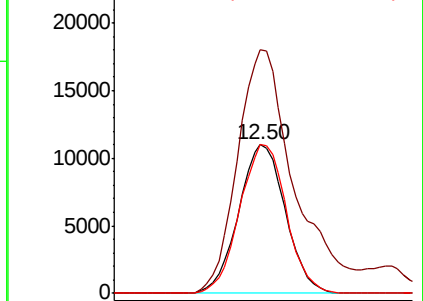
158 99.9 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.973 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN061553.D

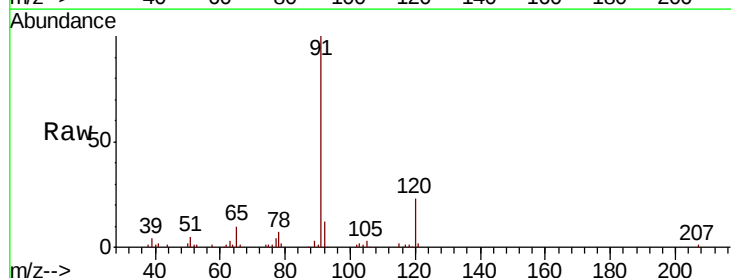
Acq: 29 May 2020 00:46

Tgt Ion: 91 Resp: 86533

Ion Ratio Lower Upper

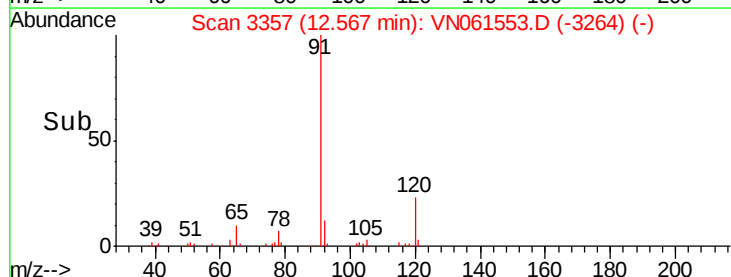
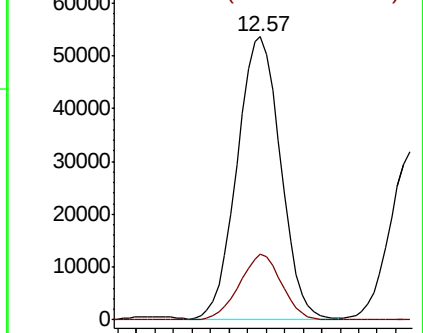
91 100

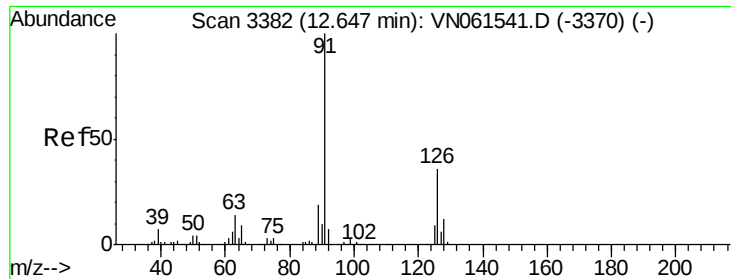
120 22.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.125 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

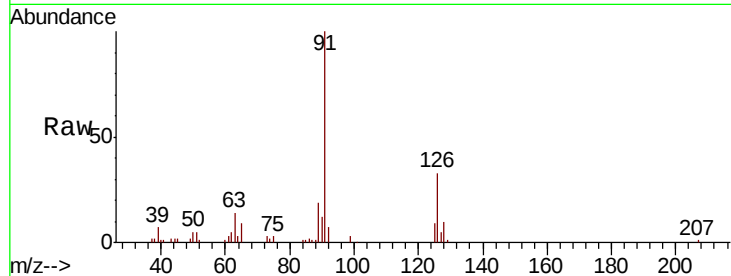
LOQ-WATER-02-QT2-2020

Tot Ion: 91 Resp: 53174

Ion Ratio Lower Upper

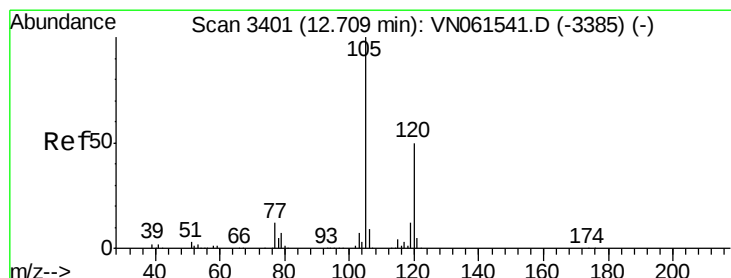
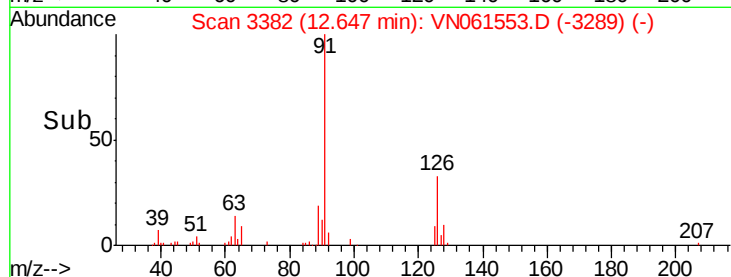
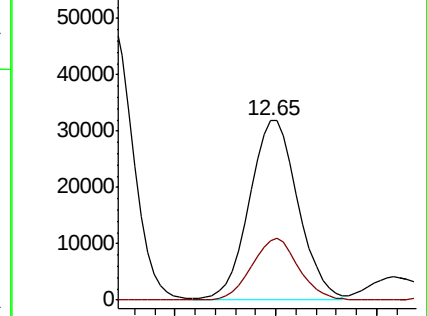
91 100

126 33.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.986 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061553.D

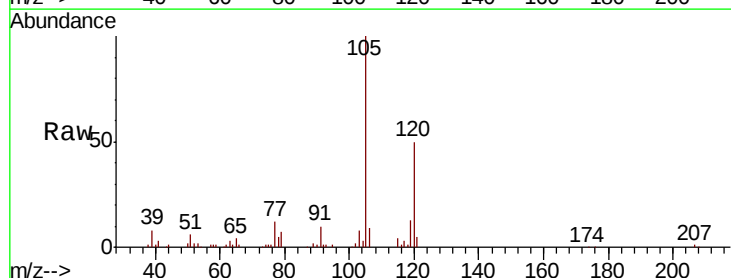
Acq: 29 May 2020 00:46

Tgt Ion:105 Resp: 64954

Ion Ratio Lower Upper

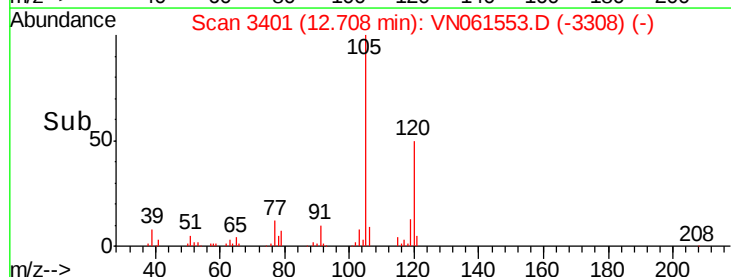
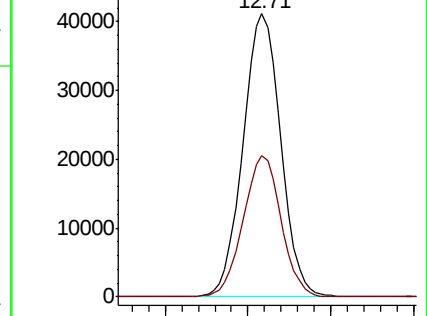
105 100

120 50.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061541.D (-3385) (-)

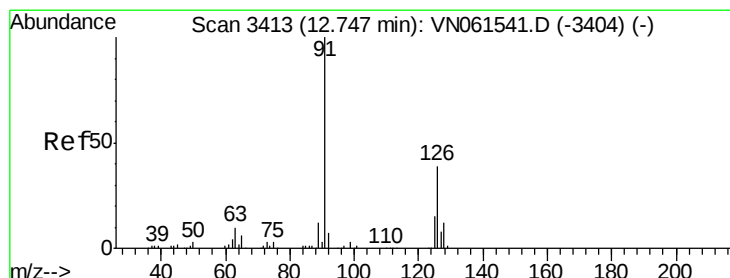
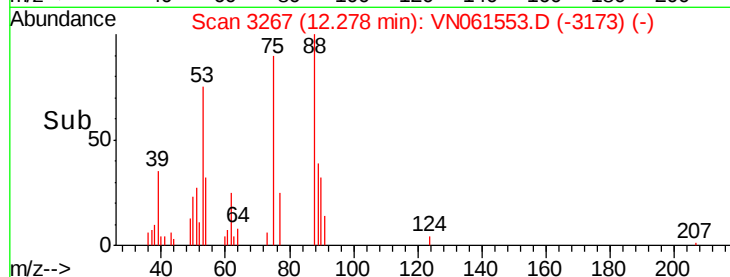
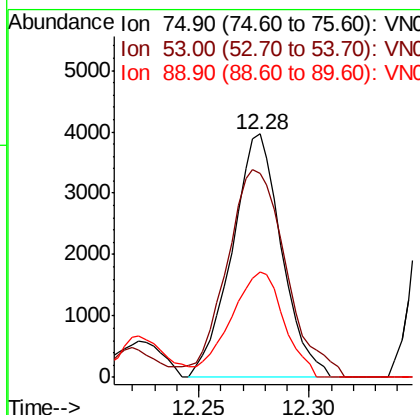
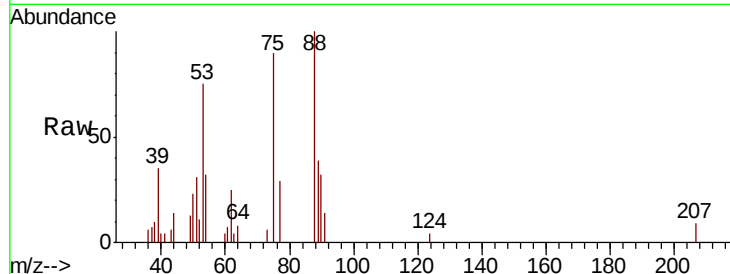




#81
trans-1,4-Dichloro-2-butene
Concen: 4.075 ug/l
RT: 12.28 min Scan# 3267
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

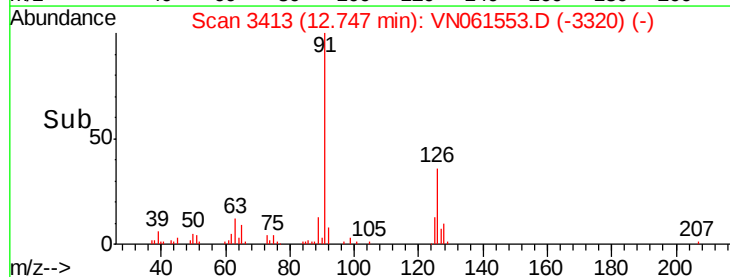
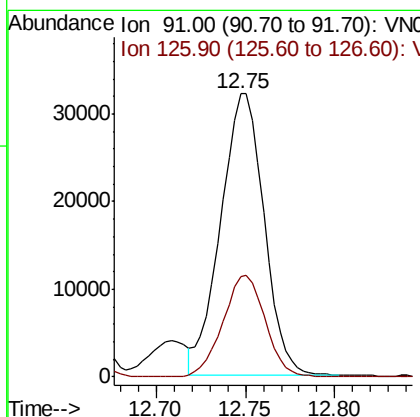
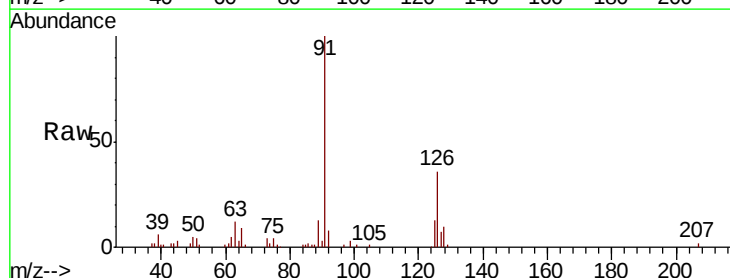
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

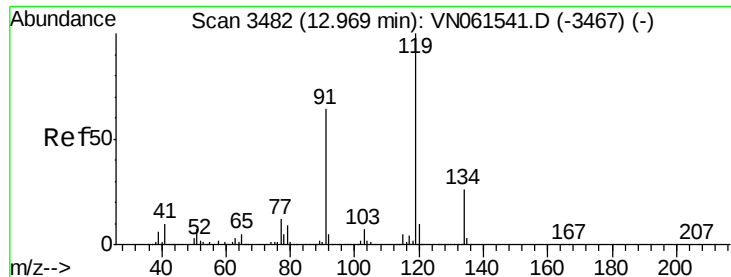
Tot Ion: 75 Resp: 6187
Ion Ratio Lower Upper
75 100
53 101.9 67.8 101.8#
89 47.0 37.1 55.7



#82
4-Chlorotoluene
Concen: 4.980 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion: 91 Resp: 54355
Ion Ratio Lower Upper
91 100
126 35.2 17.5 52.6

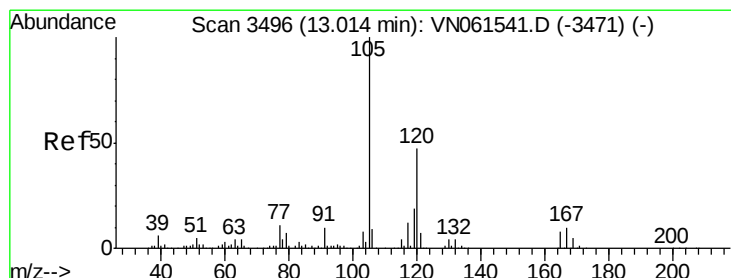
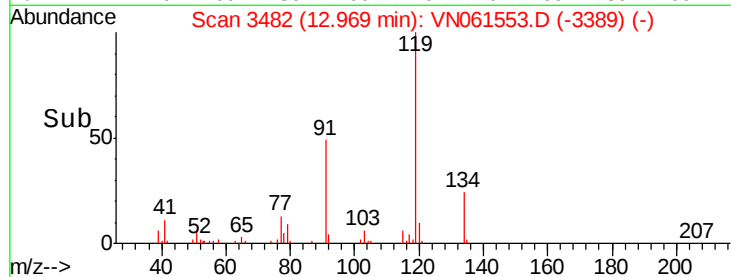
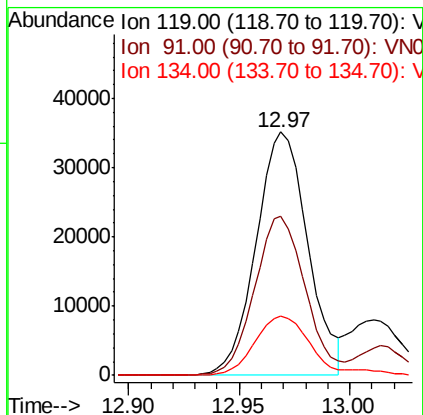
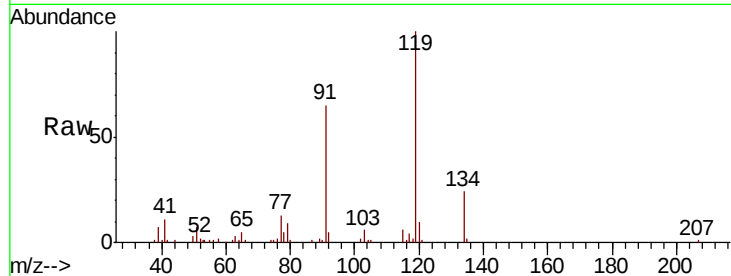




#83
 tert-Butylbenzene
 Concen: 4.973 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

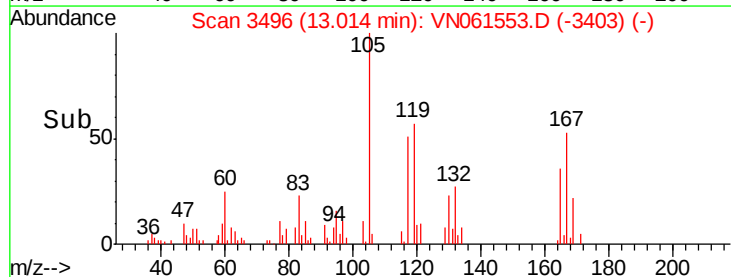
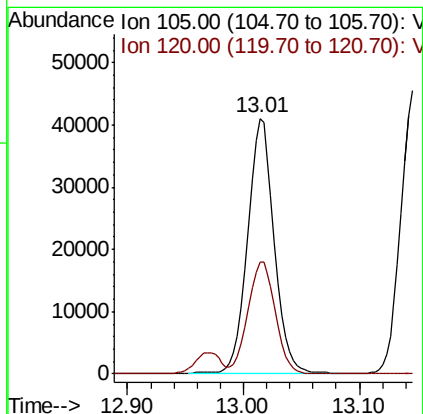
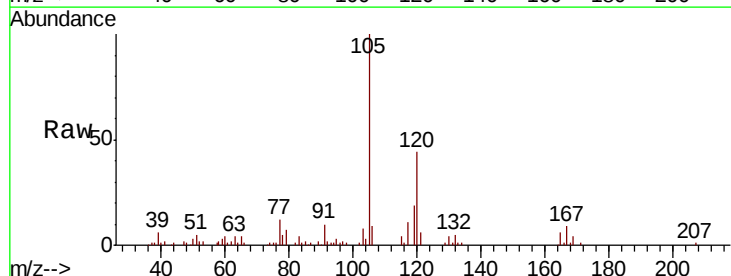
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion:119 Resp: 57239
 Ion Ratio Lower Upper
 119 100
 91 64.2 31.3 93.8
 134 25.2 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 5.097 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion:105 Resp: 65957
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.5





#85

sec-Butylbenzene

Concen: 4.874 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

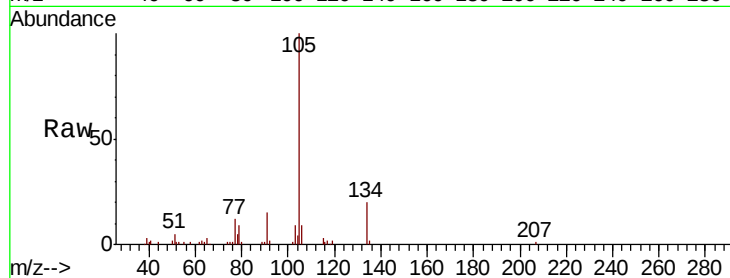
LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 72280

Ion Ratio Lower Upper

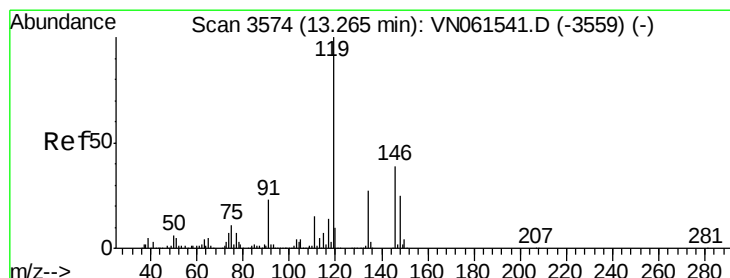
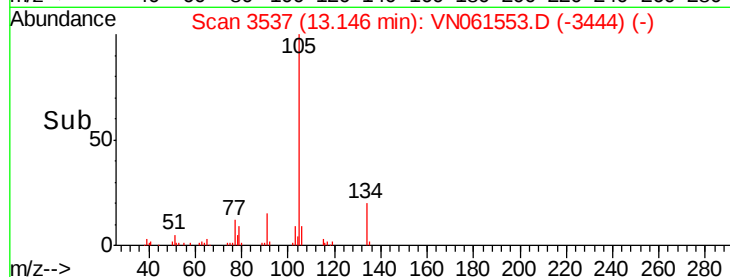
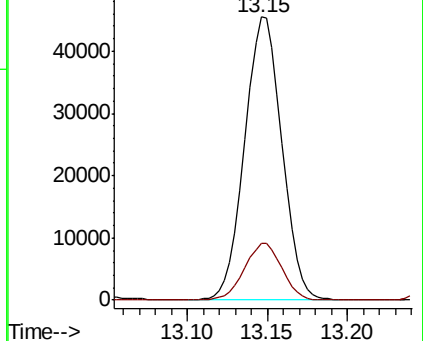
105 100

134 20.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.776 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

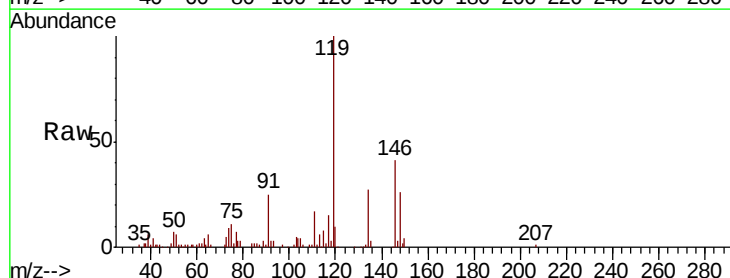
Tgt Ion:119 Resp: 65231

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

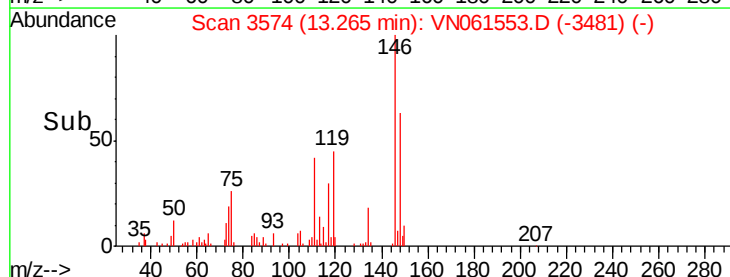
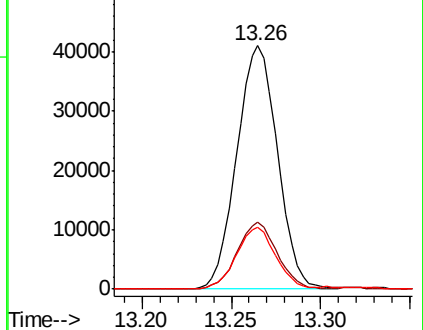
91 24.7 11.4 34.1

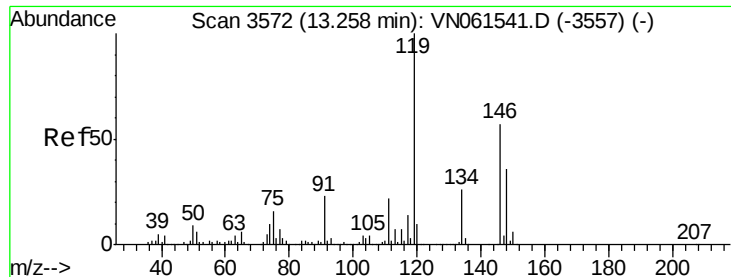


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 4.694 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

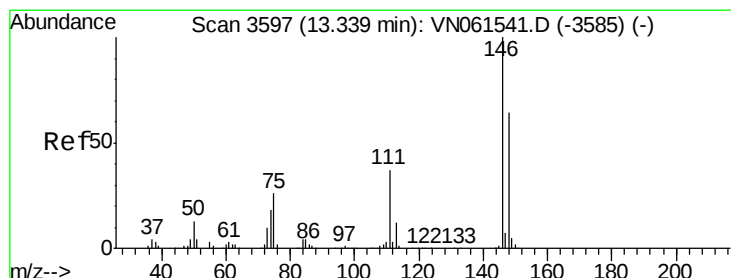
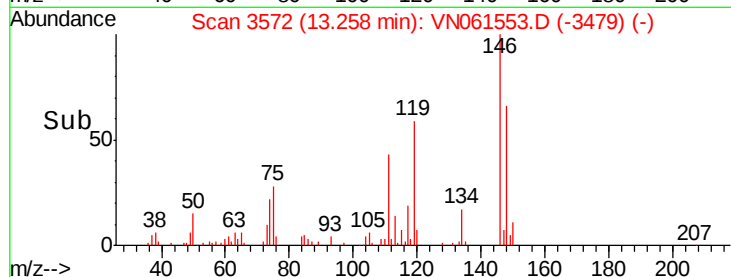
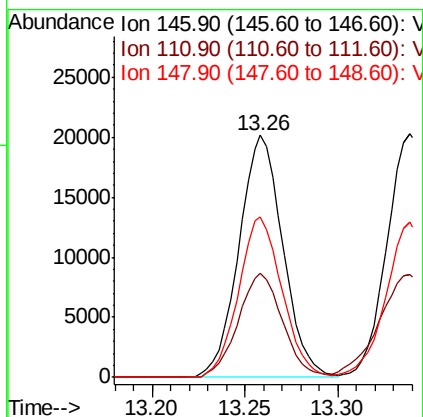
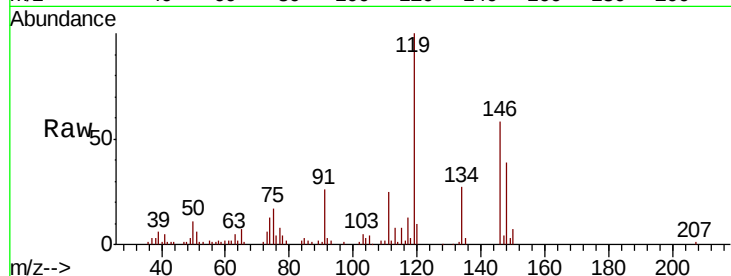
Tot Ion:146 Resp: 33070

Ion Ratio Lower Upper

146 100

111 43.2 19.2 57.6

148 65.6 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 4.735 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

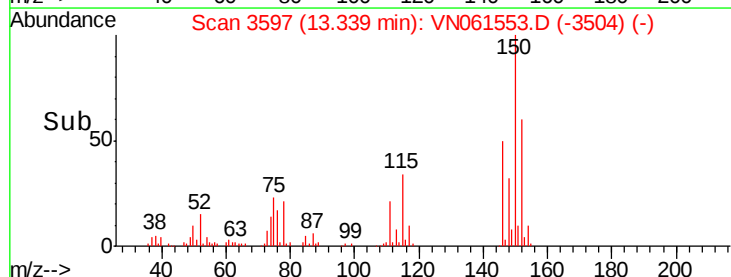
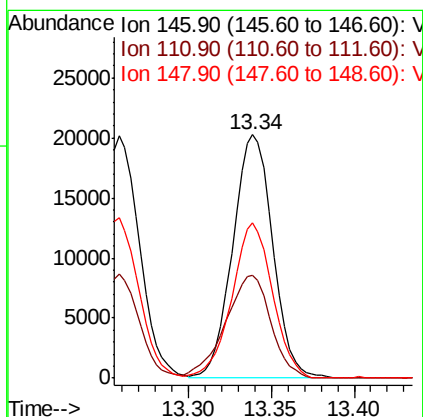
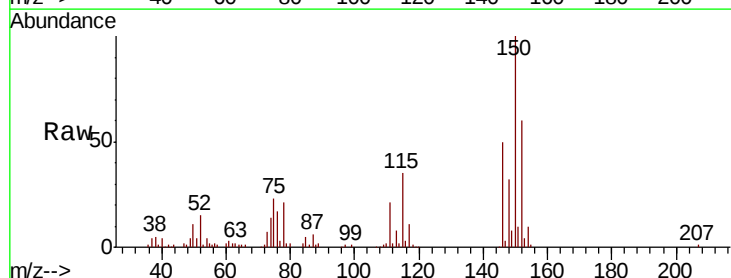
Tgt Ion:146 Resp: 33983

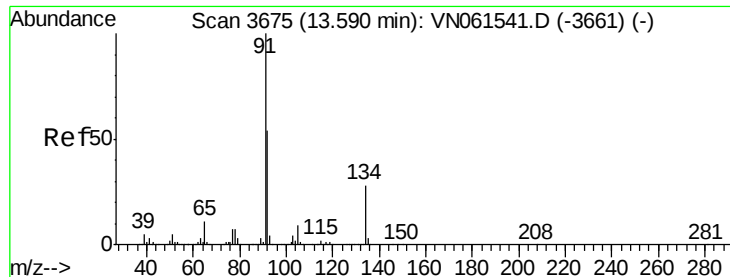
Ion Ratio Lower Upper

146 100

111 48.2 18.9 56.9

148 65.0 31.8 95.3





#89

n-Butylbenzene

Concen: 4.734 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061553.D

Acq: 29 May 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

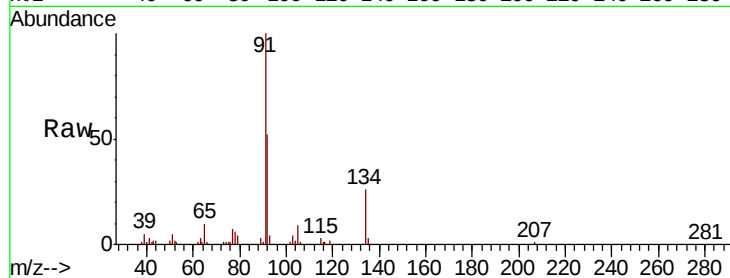
Tot Ion: 91 Resp: 54161

Ion Ratio Lower Upper

91 100

92 51.7 27.2 81.6

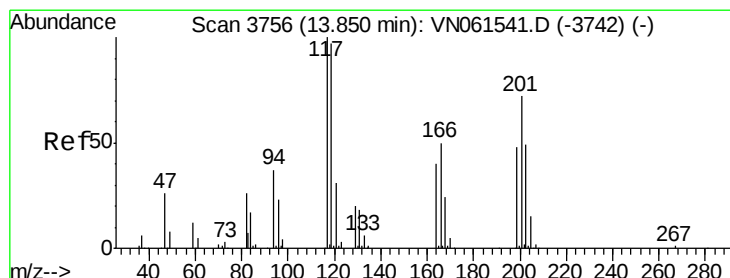
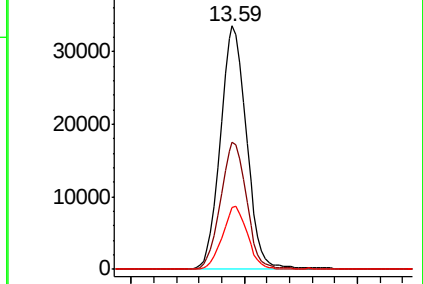
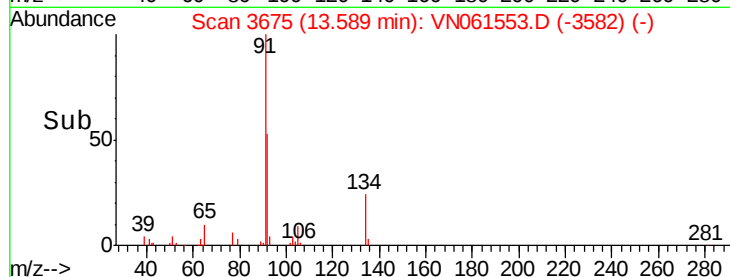
134 24.4 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)



#90

Hexachloroethane

Concen: 5.191 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN061553.D

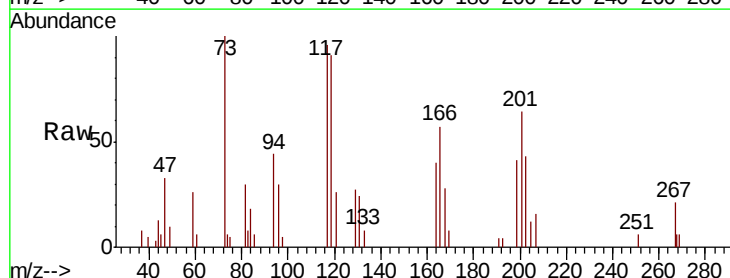
Acq: 29 May 2020 00:46

Tgt Ion: 117 Resp: 7841

Ion Ratio Lower Upper

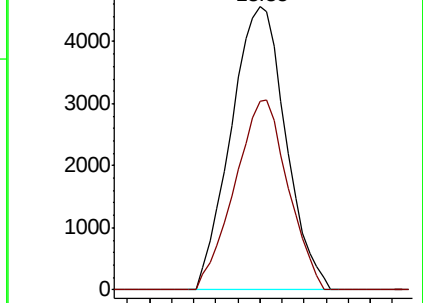
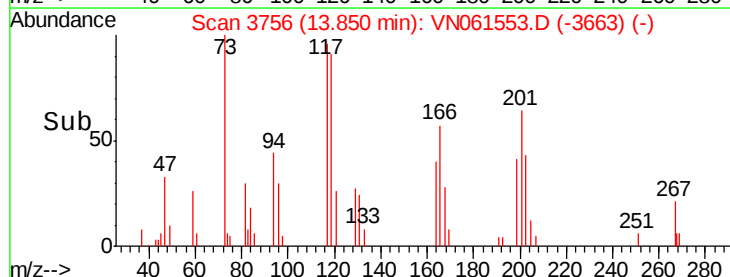
117 100

201 65.2 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

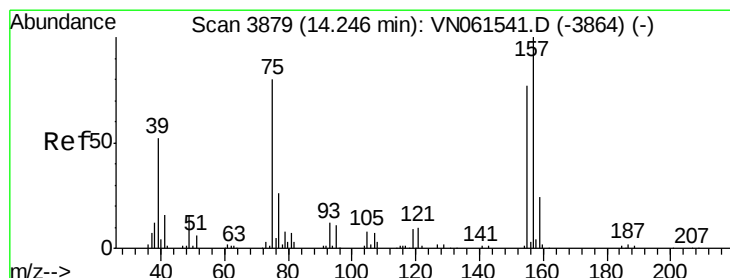
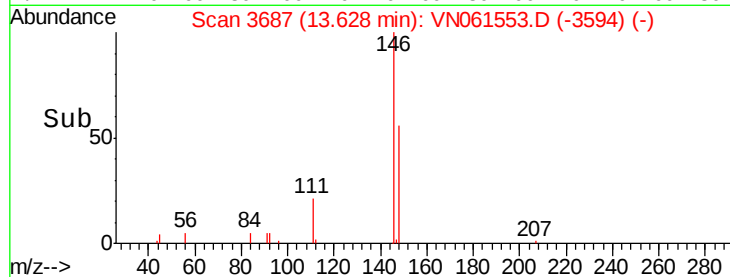
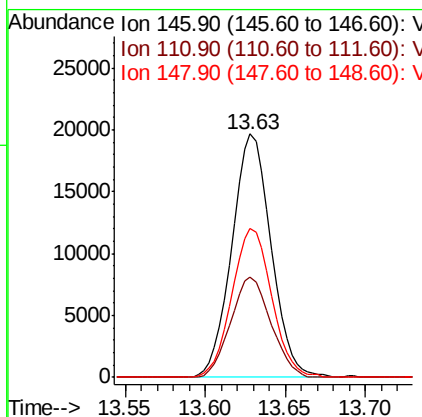
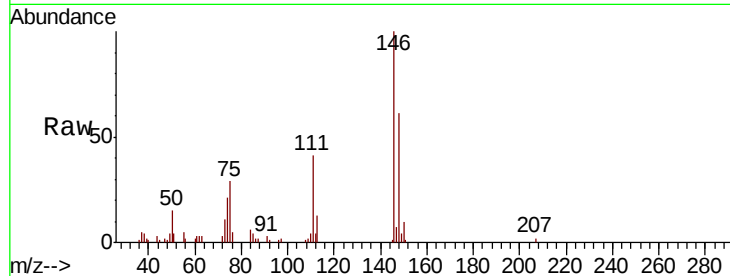




#91
 1,2-Dichlorobenzene
 Concen: 4.873 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

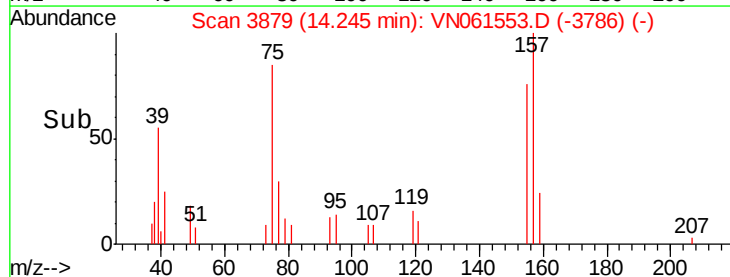
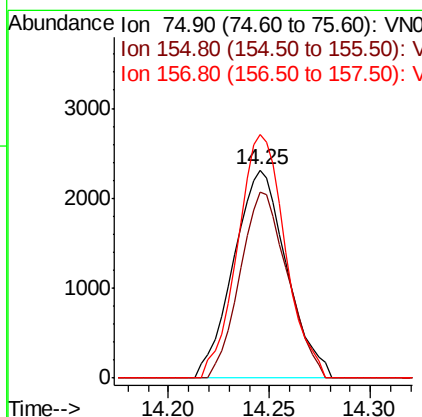
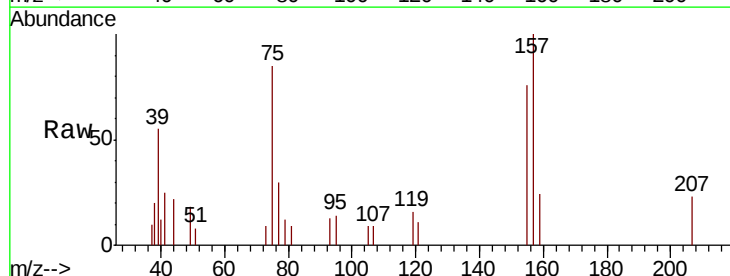
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.1	60.2
148	62.0	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.768 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	47.1	141.4
157	105.3	60.3	180.8

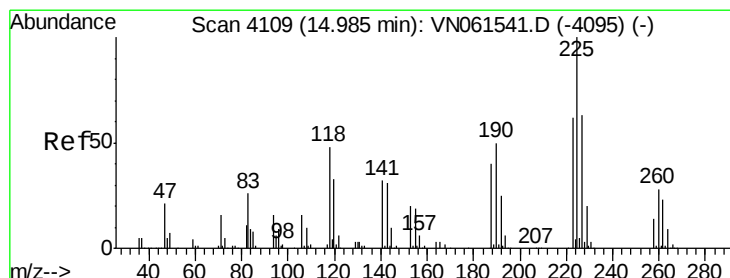
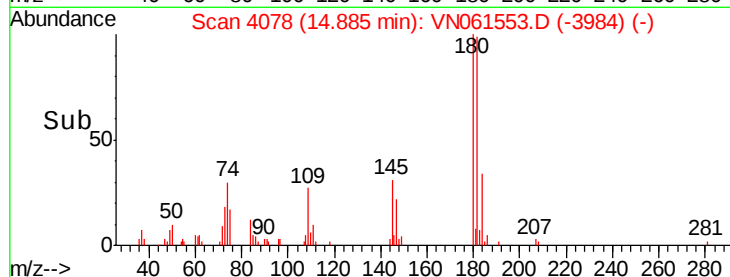
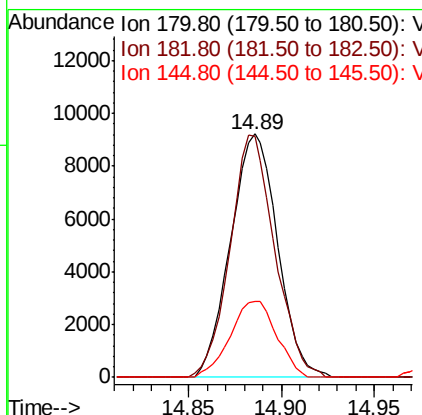
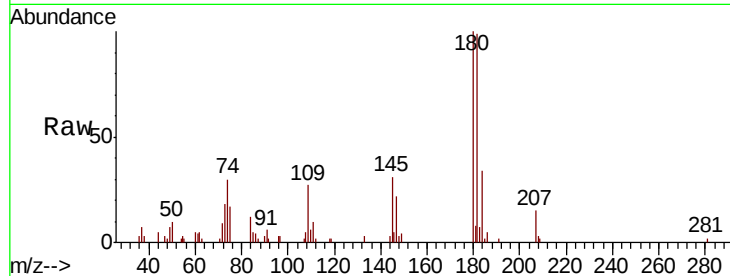




#93
 1,2,4-Trichlorobenzene
 Concen: 4.110 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

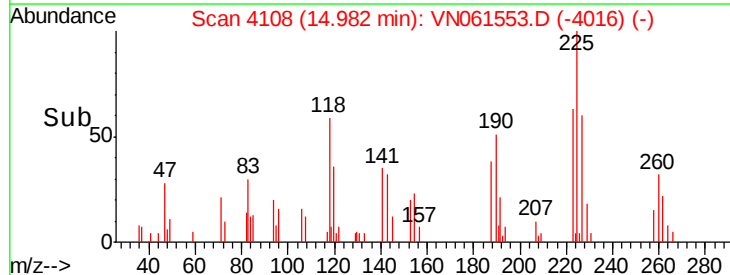
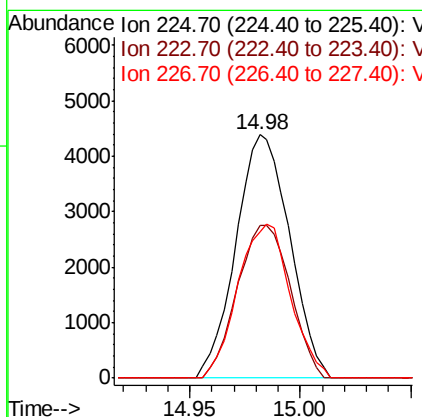
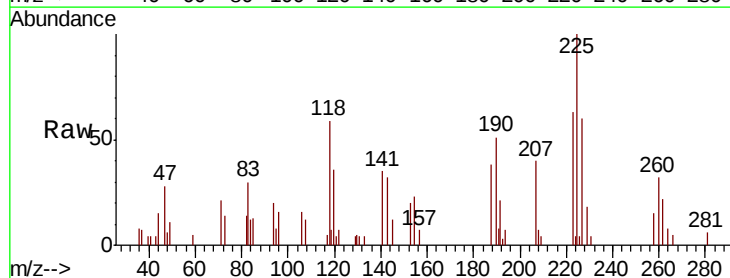
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	30.9	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 4.420 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061553.D
 Acq: 29 May 2020 00:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.5
227	61.9	31.9	95.9

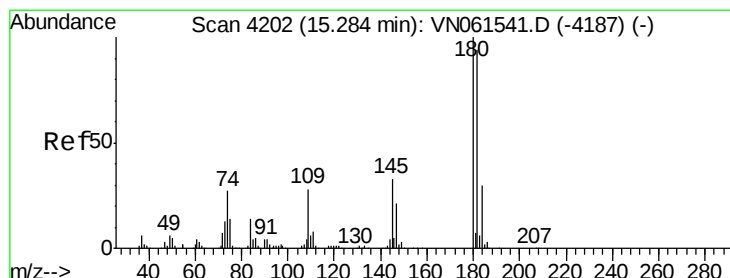
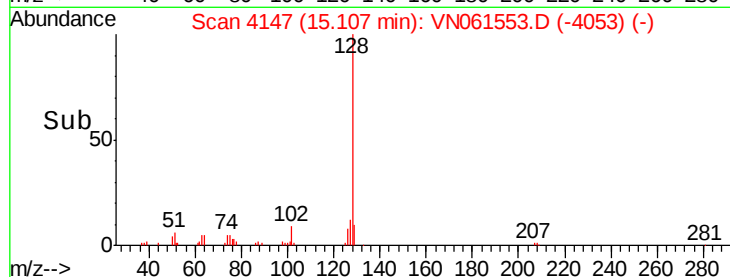
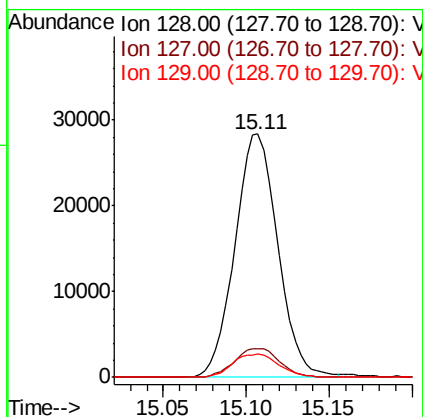
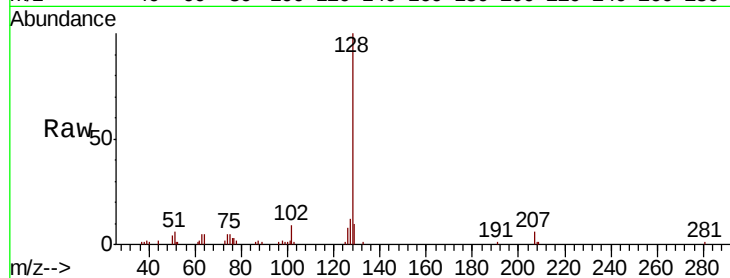




#95
Naphthalene
Concen: 4.262 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion:128 Resp: 51075
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 10.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 4.299 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061553.D
Acq: 29 May 2020 00:46

Tgt Ion:180 Resp: 16643
Ion Ratio Lower Upper
180 100
182 96.6 47.1 141.3
145 35.1 16.3 48.9

