

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061311.D
 Acq On : 6 May 2020 15:49
 Operator : JC/MD
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 03:10:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	115357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	198261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84102	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	92143	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
35) Dibromofluoromethane	7.55	113	57970	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.06	98	240530	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.38	95	88319	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	20486	16.747	ug/l	99
3) Chloromethane	2.03	50	27115	18.302	ug/l	100
4) Vinyl Chloride	2.16	62	30380	18.054	ug/l	100
5) Bromomethane	2.54	94	12829	15.423	ug/l	96
6) Chloroethane	2.67	64	18936	17.754	ug/l	95
7) Trichlorofluoromethane	2.99	101	39306	20.704	ug/l	98
8) Diethyl Ether	3.37	74	15402	19.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	23111	18.896	ug/l	98
10) Methyl Iodide	3.91	142	24326	15.476	ug/l	99
11) Tert butyl alcohol	4.72	59	7664	31.344	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	21043	17.289	ug/l	97
13) Acrolein	3.56	56	10230	62.782	ug/l	99
14) Allyl chloride	4.27	41	44309	19.634	ug/l	99
15) Acrylonitrile	4.93	53	62607	83.410	ug/l	98
16) Acetone	3.77	43	64670	88.030	ug/l	100
17) Carbon Disulfide	4.01	76	55525	16.515	ug/l	100
18) Methyl Acetate	4.28	43	33529	15.033	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	82566	17.753	ug/l	98
20) Methylene Chloride	4.50	84	24698	17.353	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	23417	17.669	ug/l	98
22) Diisopropyl ether	5.90	45	94491	18.056	ug/l	98
23) Vinyl Acetate	5.84	43	367240	87.155	ug/l	100
24) 1,1-Dichloroethane	5.80	63	48851	17.866	ug/l	98
25) 2-Butanone	6.79	43	89428	82.797	ug/l	100
26) 2,2-Dichloropropane	6.77	77	44012	19.110	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	27277	17.538	ug/l	99
28) Bromochloromethane	7.15	49	26383	20.358	ug/l	97
29) Tetrahydrofuran	7.17	42	58080	79.827	ug/l	100
30) Chloroform	7.33	83	47979	17.316	ug/l	95
31) Cyclohexane	7.62	56	42074	15.845	ug/l #	96
32) 1,1,1-Trichloroethane	7.53	97	41645	17.260	ug/l	98
36) 1,1-Dichloropropene	7.75	75	35224	17.748	ug/l	99
37) Ethyl Acetate	6.88	43	37974	16.321	ug/l	100
38) Carbon Tetrachloride	7.73	117	30728	18.480	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	34787	15.629	ug/l	99
40) Benzene	8.00	78	103849	17.563	ug/l	99
41) Methacrylonitrile	7.17	41	55693	57.650	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	41499	18.526	ug/l	99
43) Isopropyl Acetate	8.13	43	65466	16.954	ug/l #	91
44) Trichloroethene	8.80	130	26469	16.559	ug/l	97
45) 1,2-Dichloropropane	9.08	63	28147	17.818	ug/l	100
46) Dibromomethane	9.17	93	17518	17.910	ug/l	99
47) Bromodichloromethane	9.37	83	38104	18.150	ug/l	99
48) Methyl methacrylate	9.17	41	30344	17.414	ug/l	95
49) 1,4-Dioxane	9.16	88	4188	211.736	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	190643	83.876	ug/l	100
52) Toluene	10.12	92	62353	17.508	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	42074	17.786	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	44136	17.648	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	24886	17.518	ug/l	98
56) Ethyl methacrylate	10.40	69	36713	16.749	ug/l	96
57) 1,3-Dichloropropane	10.68	76	44890	17.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	66240	57.606	ug/l	100
59) 2-Hexanone	10.72	43	136464	82.526	ug/l	98
60) Dibromochloromethane	10.87	129	26000	17.475	ug/l	100
61) 1,2-Dibromoethane	10.98	107	24601	17.278	ug/l	99
64) Tetrachloroethene	10.60	164	24746	15.596	ug/l	97
65) Chlorobenzene	11.41	112	64375	17.714	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	23707	18.226	ug/l	99
67) Ethyl Benzene	11.48	91	119186	17.519	ug/l	100
68) m/p-Xylenes	11.60	106	86459	34.721	ug/l	97
69) o-Xylene	11.92	106	41058	17.165	ug/l	97
70) Styrene	11.94	104	68735	17.169	ug/l	99
71) Bromoform	12.10	173	16394	17.150	ug/l #	99
73) Isopropylbenzene	12.22	105	113012	18.279	ug/l	100
74) N-amyl acetate	12.05	43	52776	16.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	35752	18.545	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	48223	27.197	ug/l #	100
77) Bromobenzene	12.50	156	25839	18.104	ug/l	98
78) n-propylbenzene	12.57	91	133666	18.227	ug/l	100
79) 2-Chlorotoluene	12.65	91	79084	18.347	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	92826	18.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	11932	17.089	ug/l	96
82) 4-Chlorotoluene	12.75	91	83911	18.470	ug/l	99
83) tert-Butylbenzene	12.97	119	75605	17.522	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	94714	17.965	ug/l	99
85) sec-Butylbenzene	13.15	105	100996	17.168	ug/l	99
86) p-Isopropyltoluene	13.26	119	90368	17.050	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	47634	18.129	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	47711	17.772	ug/l	99
89) n-Butylbenzene	13.59	91	81108	16.692	ug/l	99
90) Hexachloroethane	13.85	117	10839	24.241	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	45133	17.915	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7054	17.325	ug/l	96

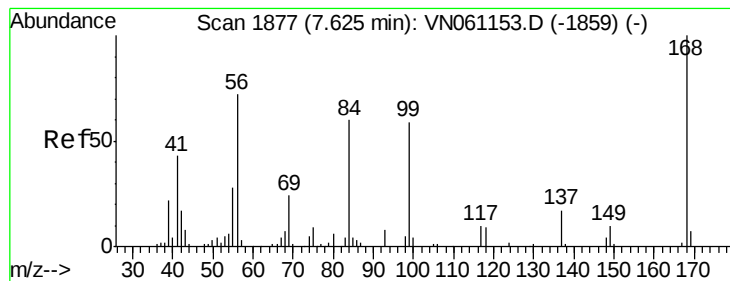
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	25387	16.548	ug/l	98
94) Hexachlorobutadiene	14.98	225	10939	17.068	ug/l	97
95) Naphthalene	15.11	128	76202	15.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	25527	16.853	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

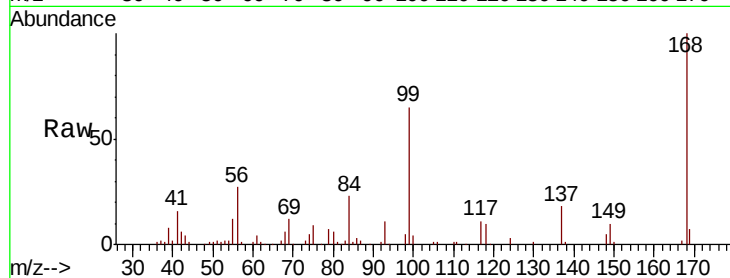
ClientSampleId :

Tot Ion:168 Resp: 115357

Ion Ratio Lower Upper

168 100

99 65.3 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

50000

40000

30000

20000

10000

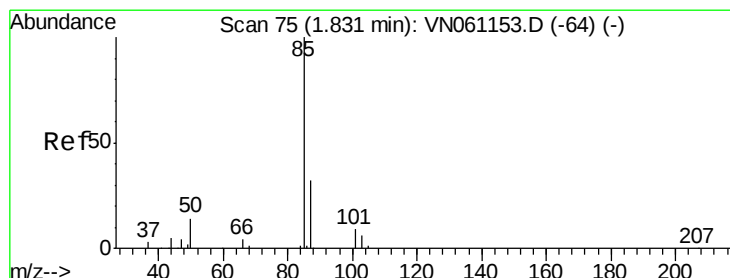
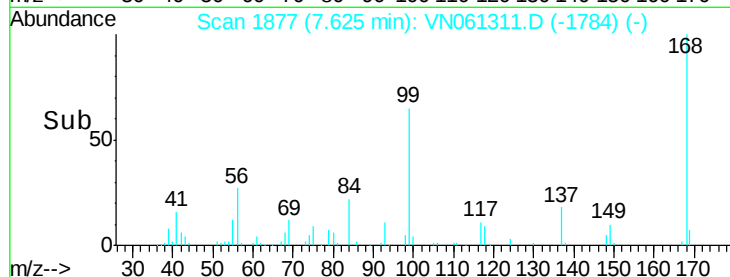
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.747 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061311.D

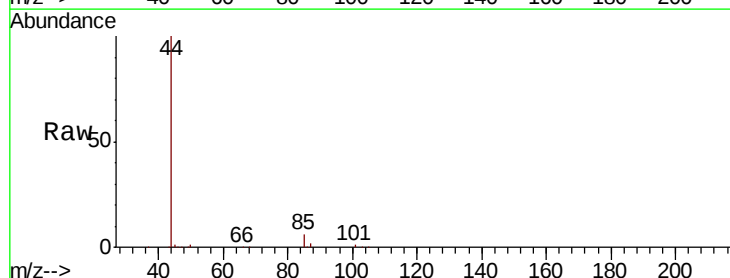
Acq: 6 May 2020 15:49

Tgt Ion: 85 Resp: 20486

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

15000

10000

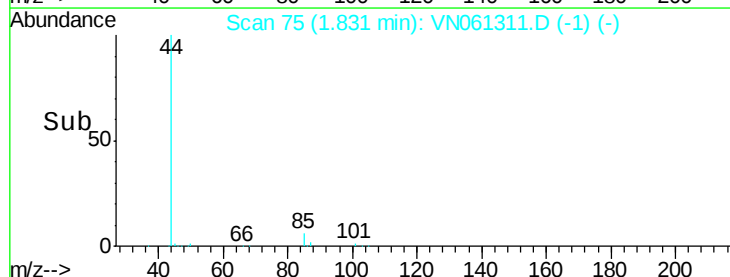
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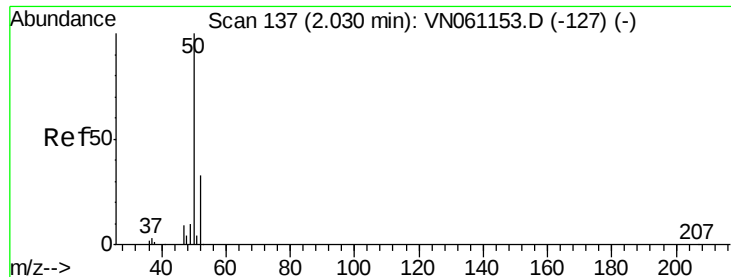
0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 18.302 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

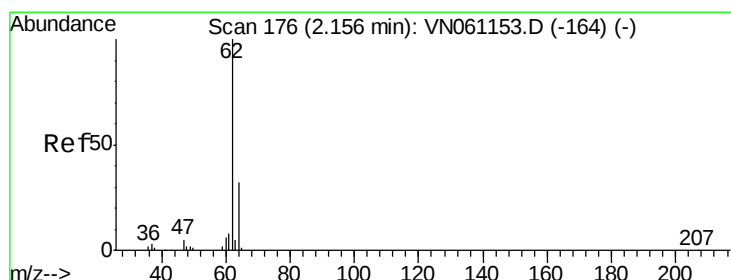
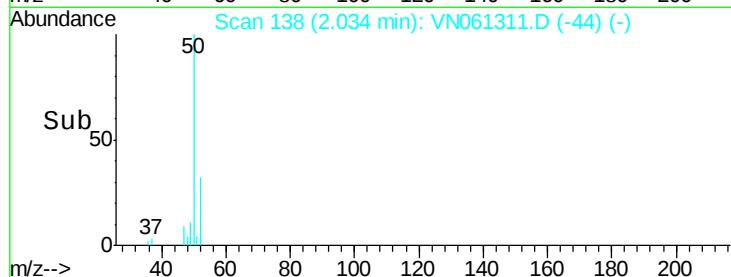
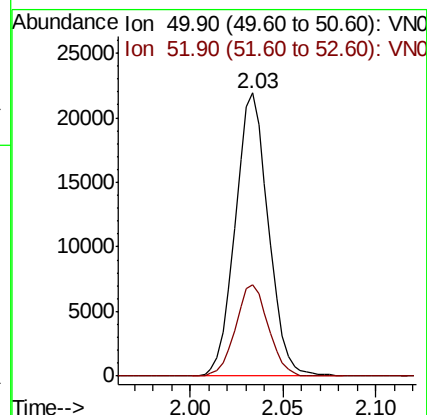
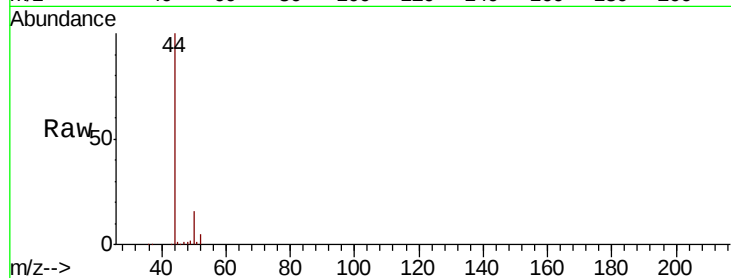
ClientSampled :

Tot Ion: 50 Resp: 27115

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 18.054 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061311.D

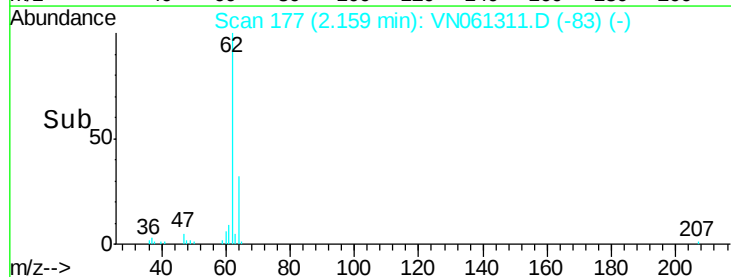
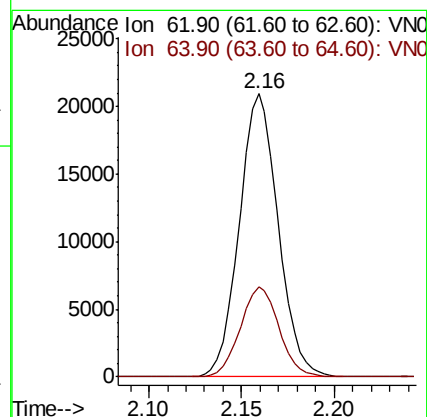
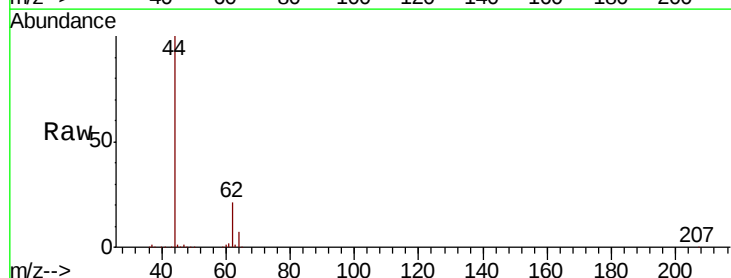
Acq: 6 May 2020 15:49

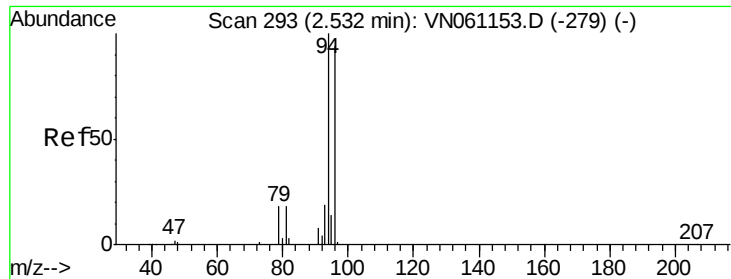
Tgt Ion: 62 Resp: 30380

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8





#5

Bromomethane

Concen: 15.423 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

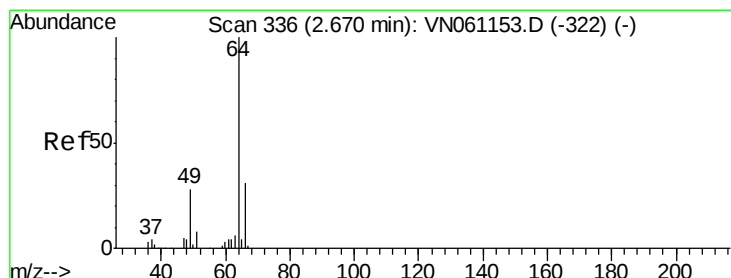
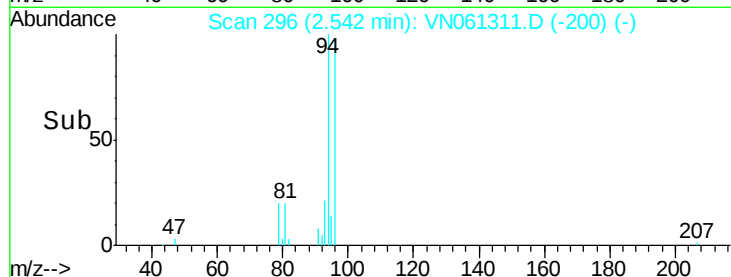
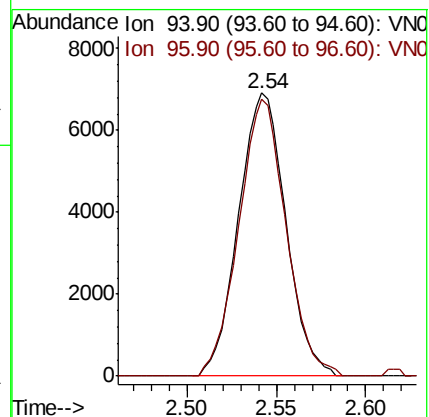
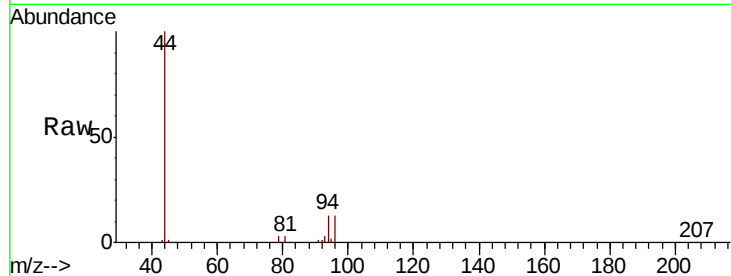
ClientSampleId :

Tot Ion: 94 Resp: 12829

Ion Ratio Lower Upper

94 100

96 97.9 75.1 112.7



#6

Chloroethane

Concen: 17.754 ug/l

RT: 2.67 min Scan# 337

Delta R.T. 0.00 min

Lab File: VN061311.D

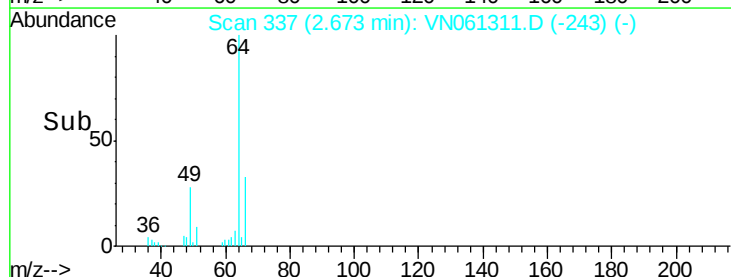
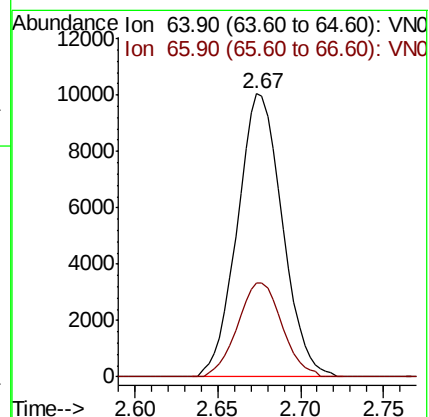
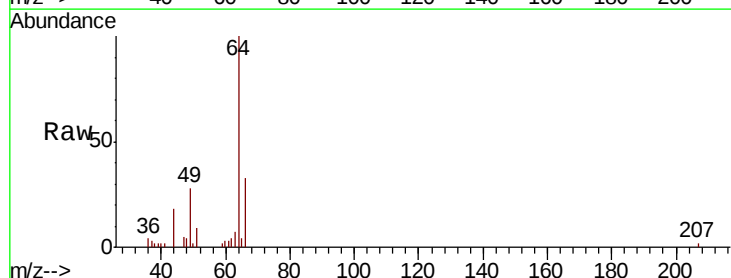
Acq: 6 May 2020 15:49

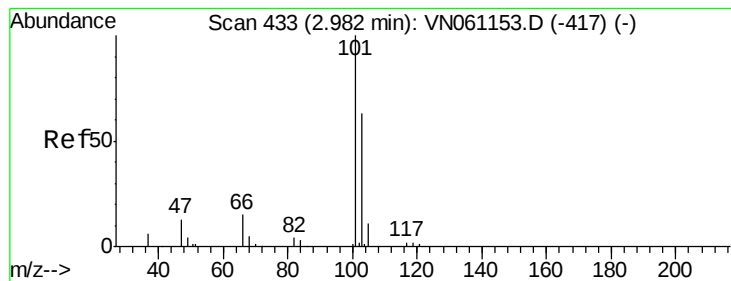
Tgt Ion: 64 Resp: 18936

Ion Ratio Lower Upper

64 100

66 33.3 24.6 36.8



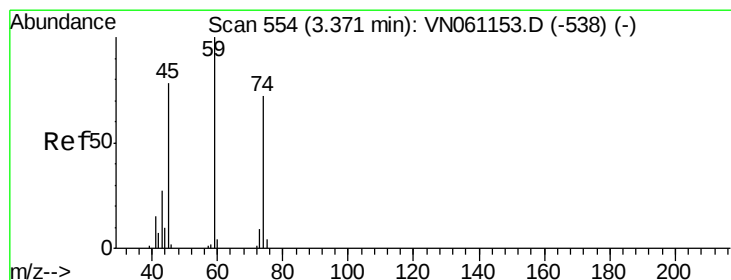
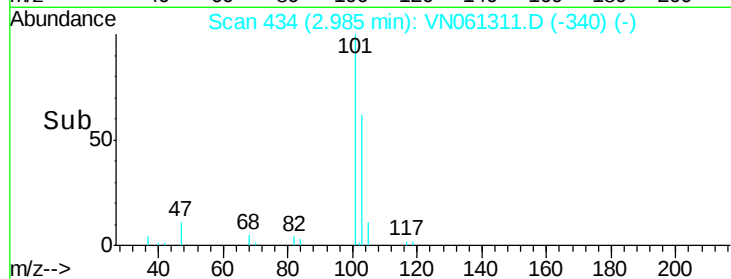
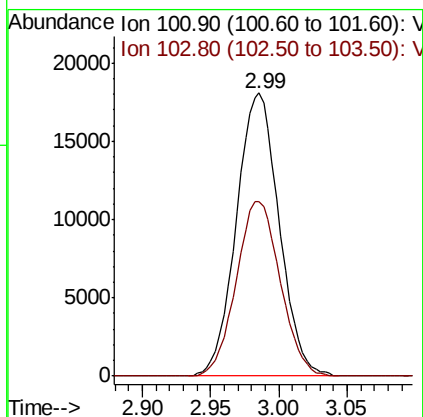
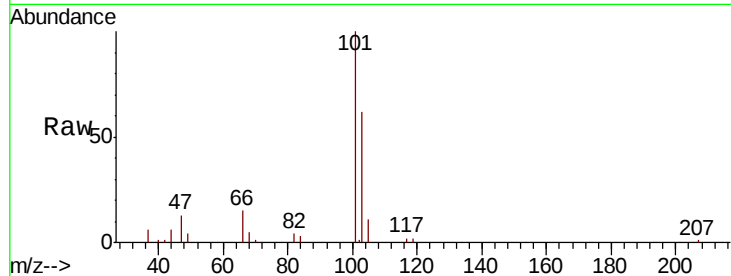


#7

Trichlorofluoromethane
 Concen: 20.704 ug/l
 RT: 2.99 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :

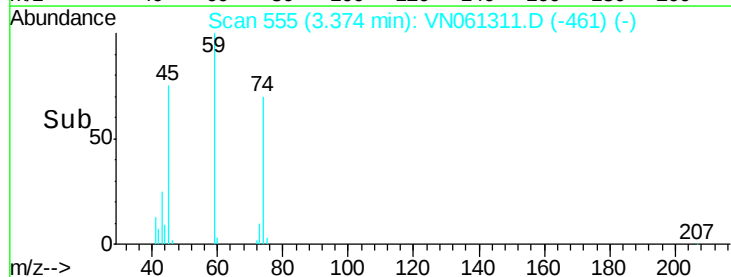
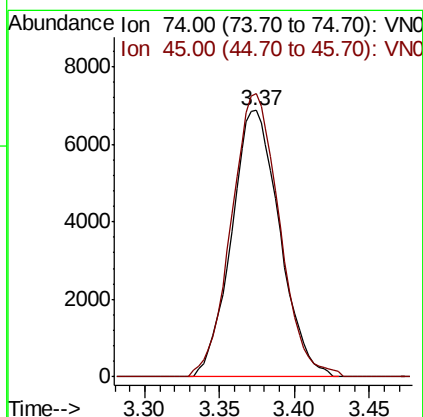
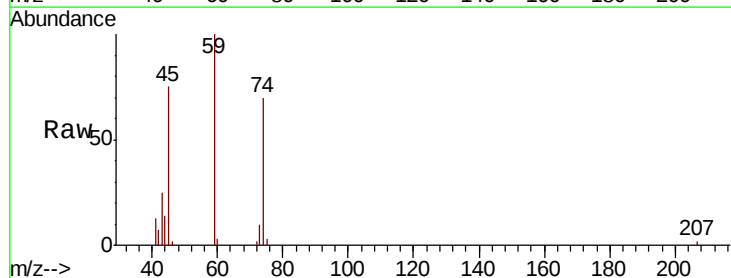
Tot Ion:101 Resp: 39306
 Ion Ratio Lower Upper
 101 100
 103 61.8 50.6 76.0

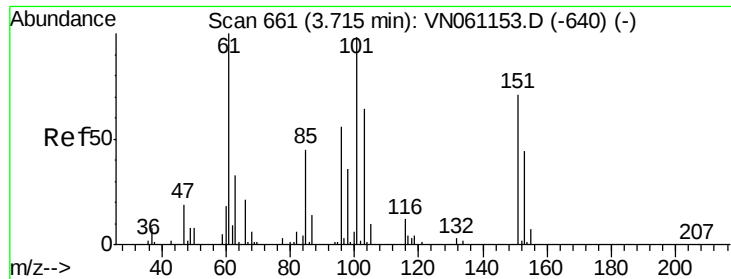


#8

Diethyl Ether
 Concen: 19.450 ug/l
 RT: 3.37 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 74 Resp: 15402
 Ion Ratio Lower Upper
 74 100
 45 106.1 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.896 ug/l

RT: 3.72 min Scan# 661

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

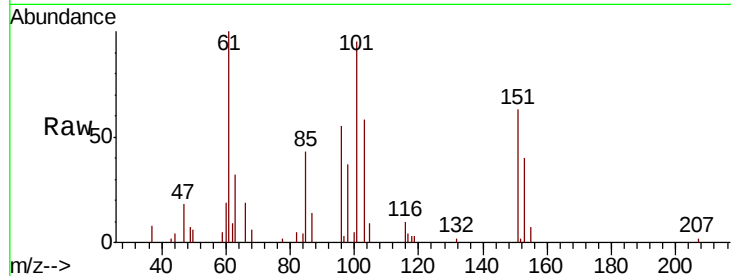
Tot Ion:101 Resp: 23111

Ion Ratio Lower Upper

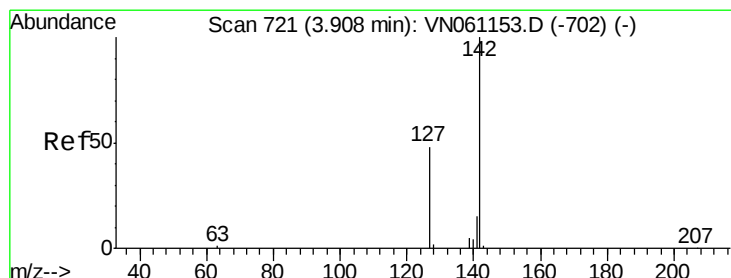
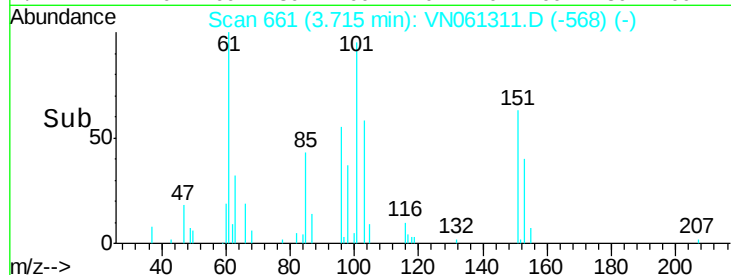
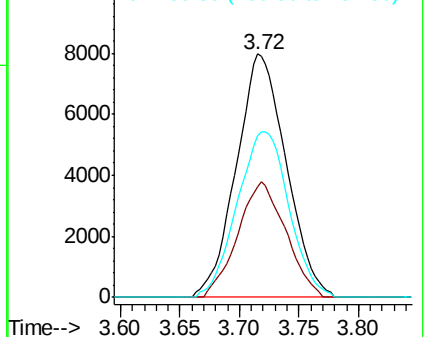
101 100

85 45.7 37.2 55.8

151 70.7 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.476 ug/l

RT: 3.91 min Scan# 723

Delta R.T. 0.01 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

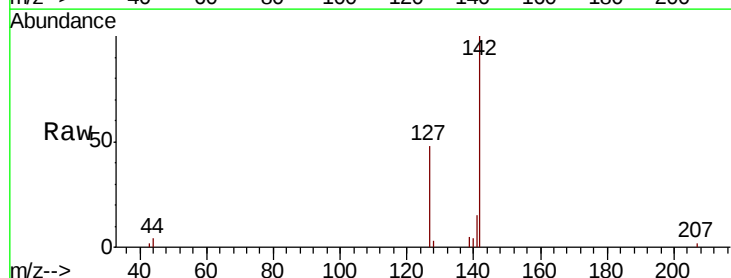
Tgt Ion:142 Resp: 24326

Ion Ratio Lower Upper

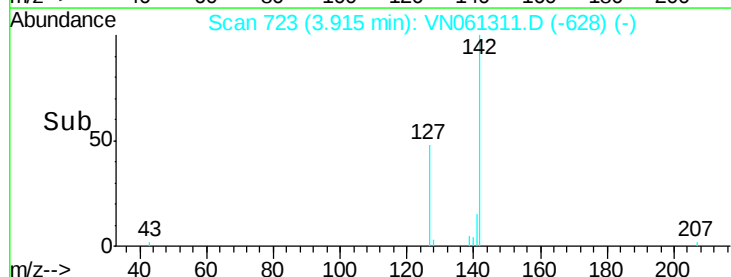
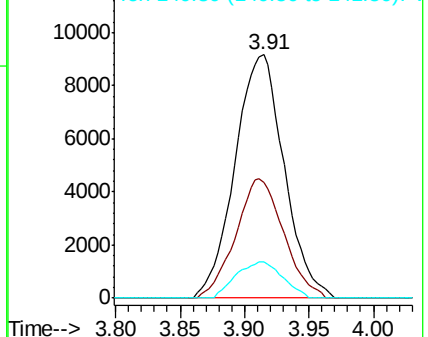
142 100

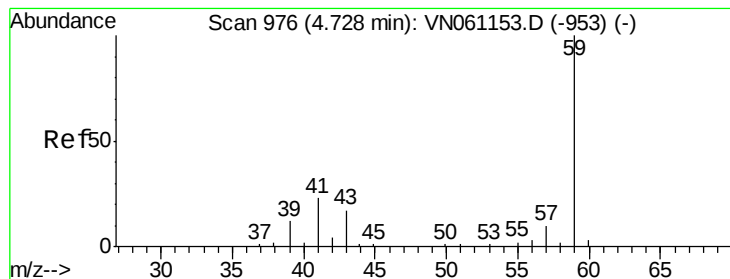
127 47.8 38.0 57.0

141 14.0 11.7 17.5



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



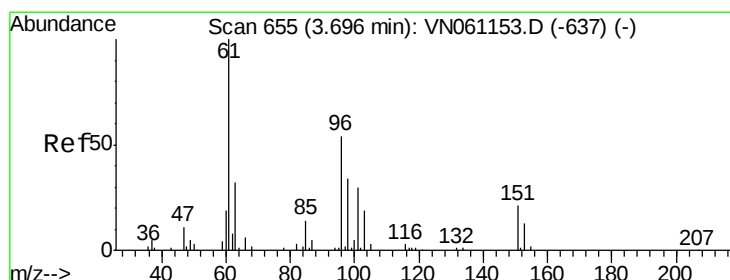
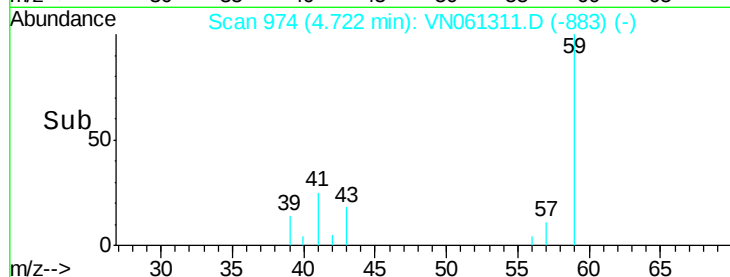
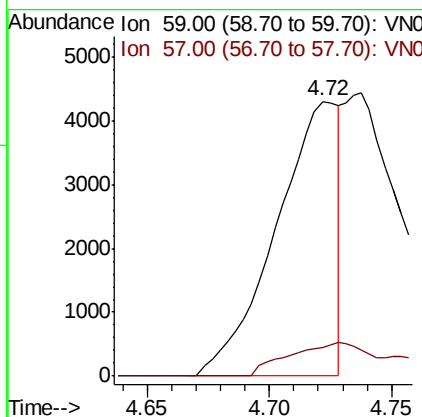
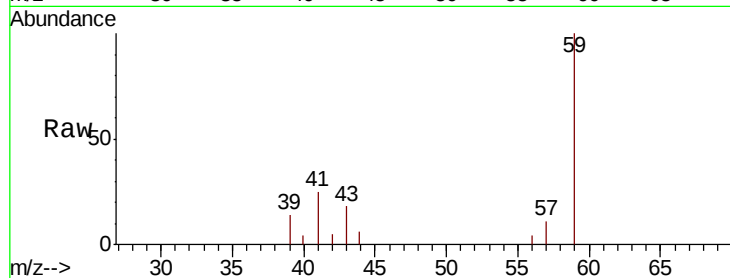


#11

Tert butyl alcohol
 Concen: 31.344 ug/l
 RT: 4.72 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :

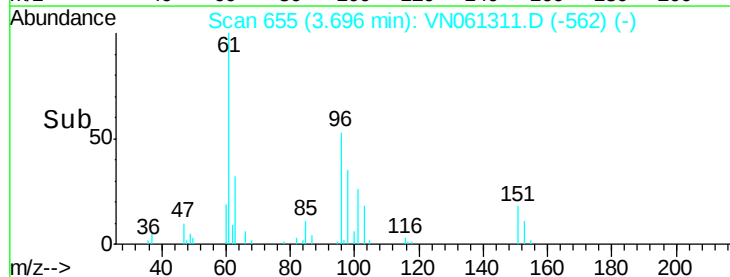
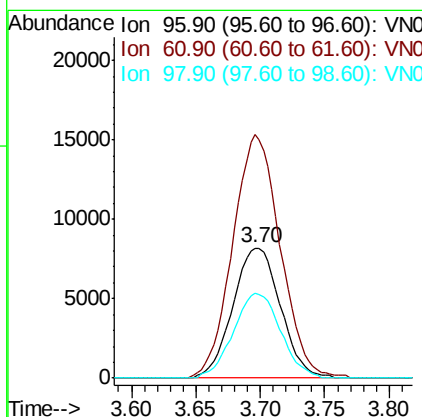
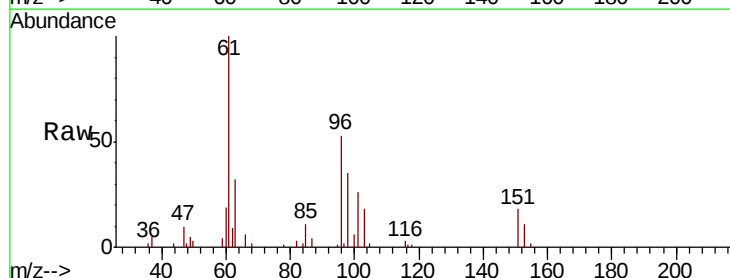
Tot Ion: 59 Resp: 7664
 Ion Ratio Lower Upper
 59 100
 57 15.8 8.3 12.5#

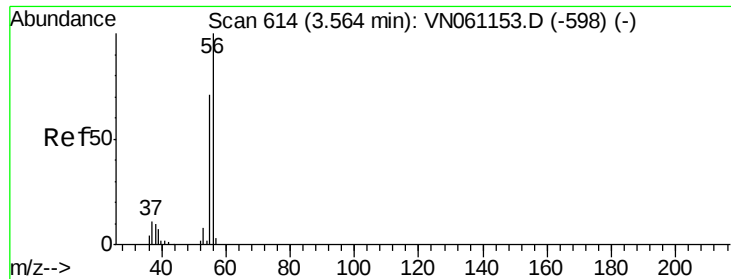


#12

1,1-Dichloroethene
 Concen: 17.289 ug/l
 RT: 3.70 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 96 Resp: 21043
 Ion Ratio Lower Upper
 96 100
 61 187.6 147.0 220.6
 98 65.6 49.8 74.6





#13

Acrolein

Concen: 62.782 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

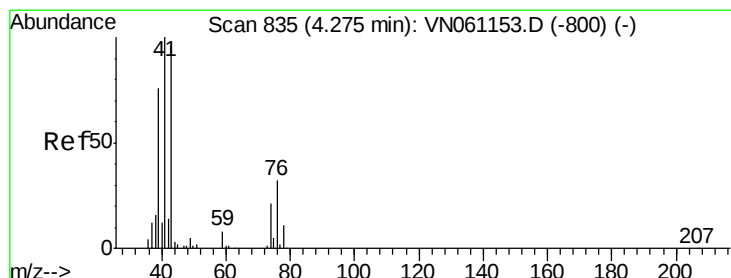
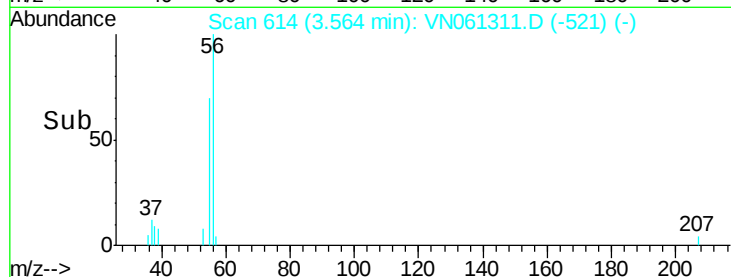
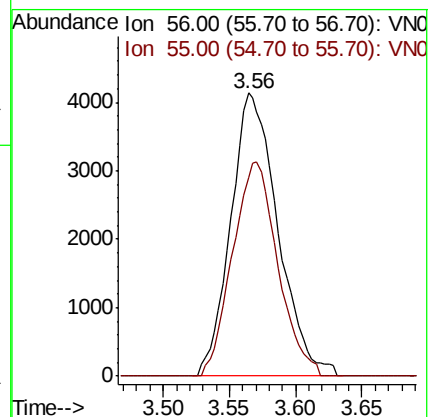
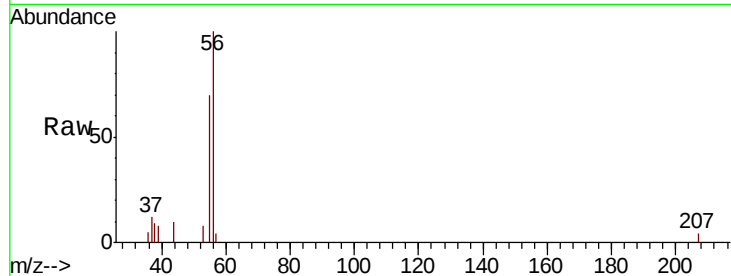
ClientSampleId :

Tot Ion: 56 Resp: 10230

Ion Ratio Lower Upper

56 100

55 72.6 58.5 87.7



#14

Allyl chloride

Concen: 19.634 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

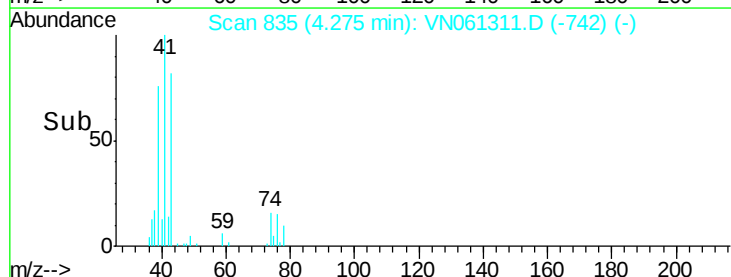
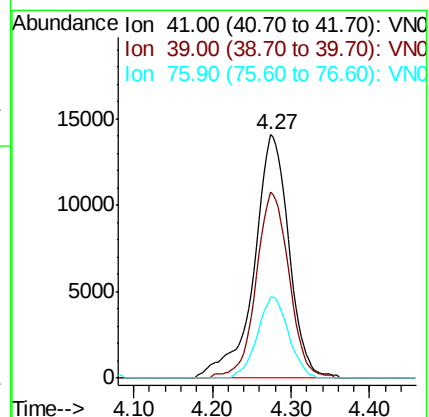
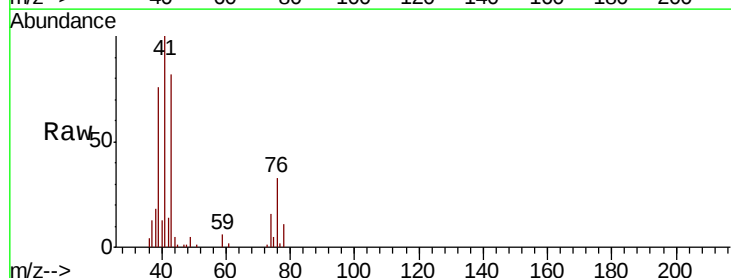
Tgt Ion: 41 Resp: 44309

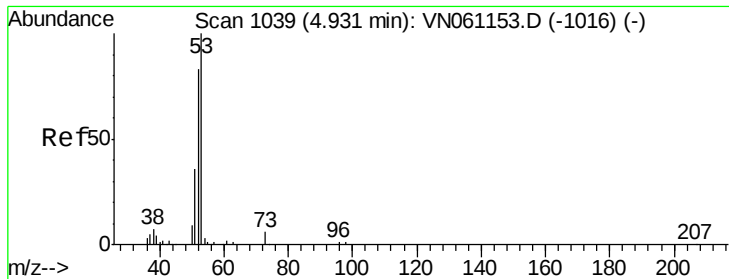
Ion Ratio Lower Upper

41 100

39 71.9 57.1 85.7

76 29.8 24.3 36.5





#15

Acrylonitrile

Concen: 83.410 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

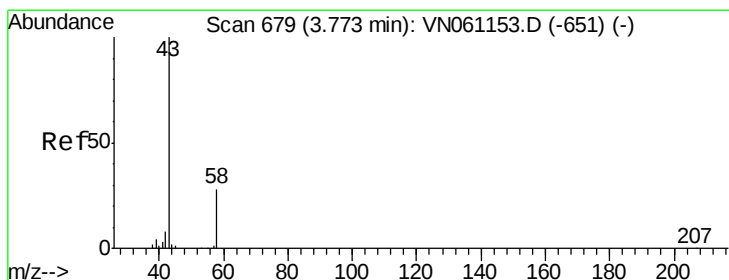
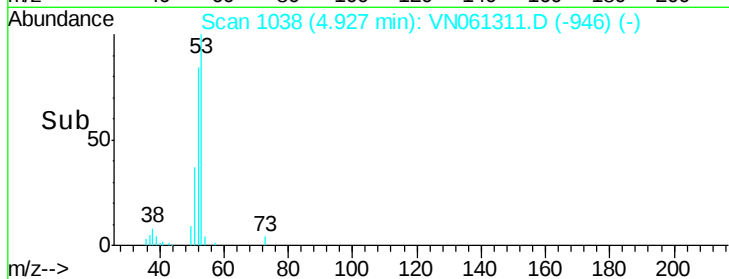
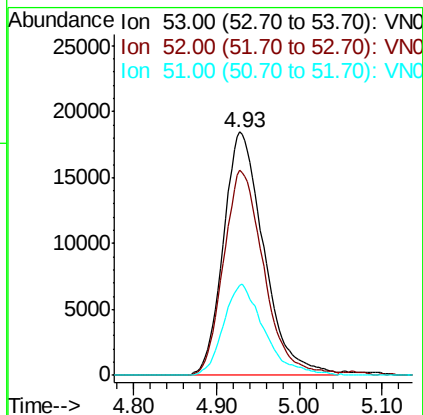
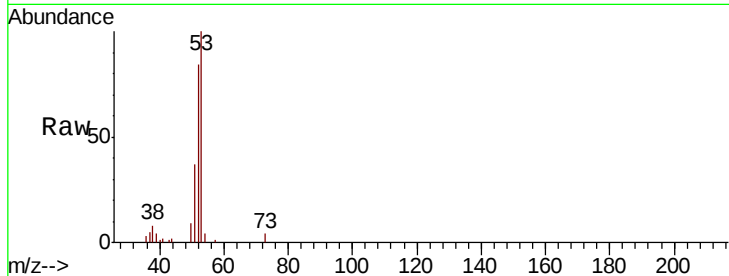
Tot Ion: 53 Resp: 62607

Ion Ratio Lower Upper

53 100

52 84.0 65.4 98.0

51 37.7 29.5 44.3



#16

Acetone

Concen: 88.030 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061311.D

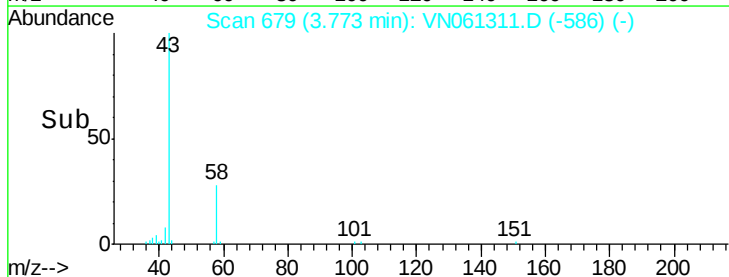
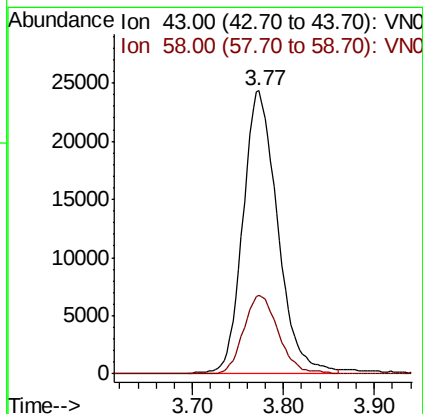
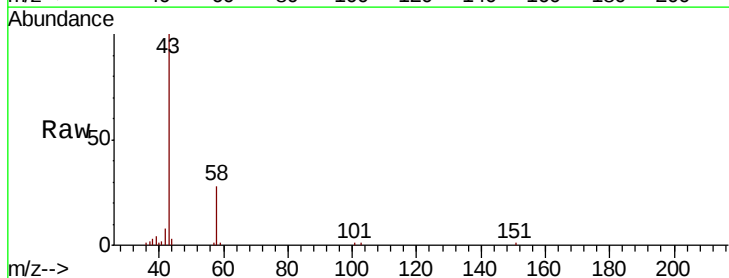
Acq: 6 May 2020 15:49

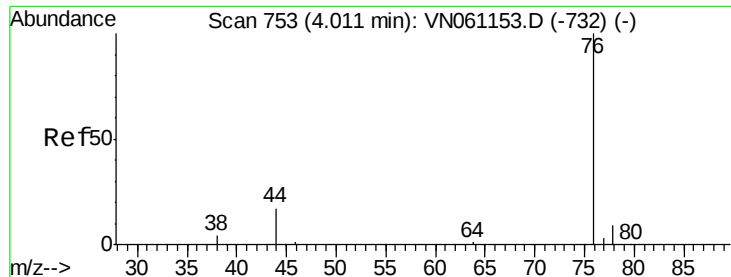
Tgt Ion: 43 Resp: 64670

Ion Ratio Lower Upper

43 100

58 27.9 22.2 33.2

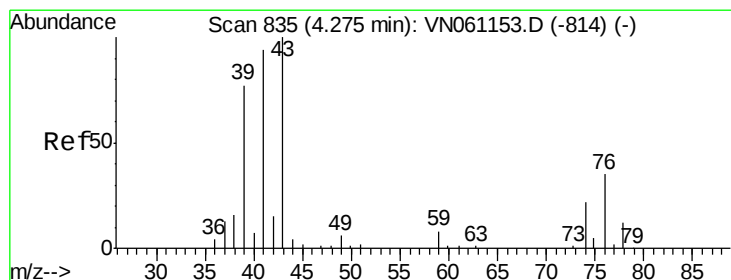
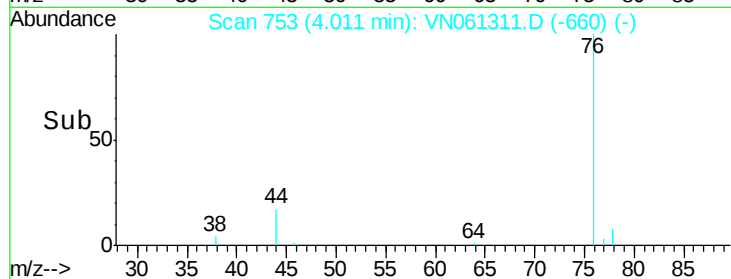
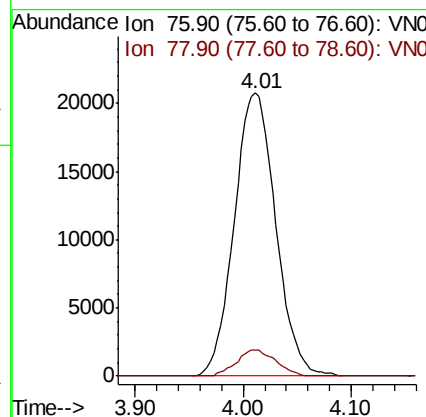
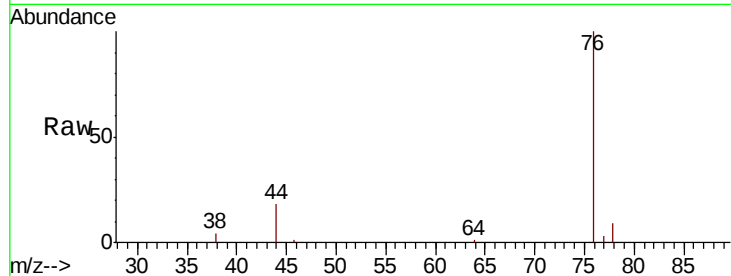




#17
Carbon Disulfide
Concen: 16.515 ug/l
RT: 4.01 min Scan# 753
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

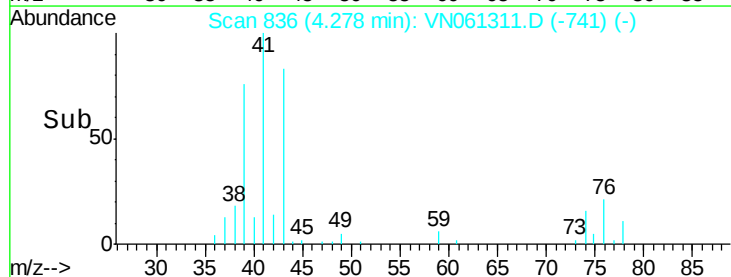
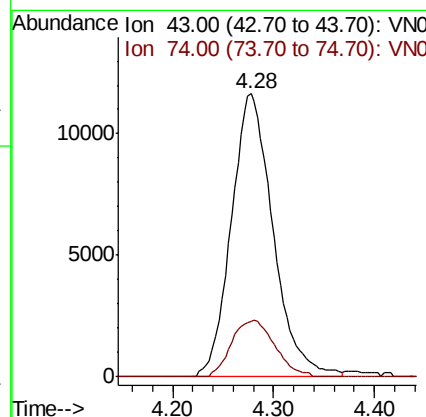
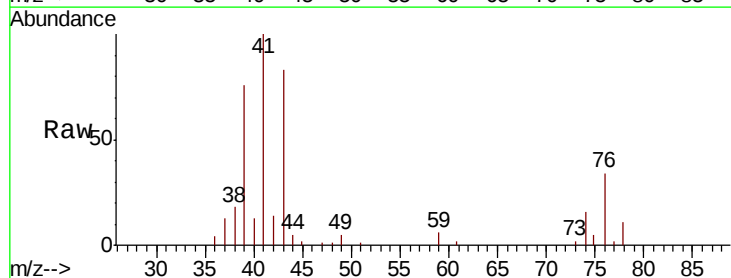
Instrument :
MSVOA_N
ClientSampleId :

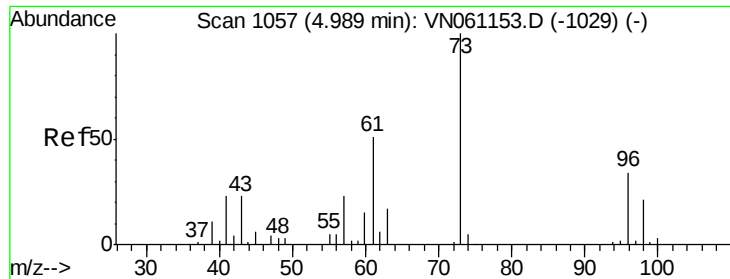
Tot Ion: 76 Resp: 55525
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 15.033 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 43 Resp: 33529
Ion Ratio Lower Upper
43 100
74 20.7 17.0 25.4



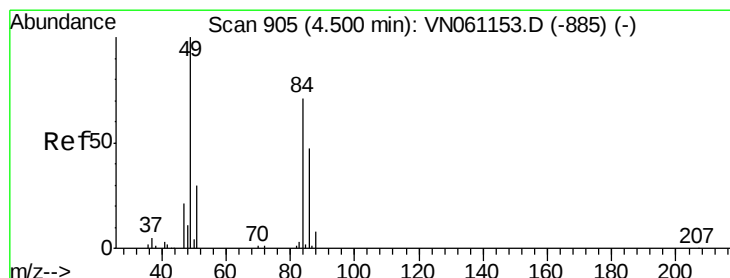
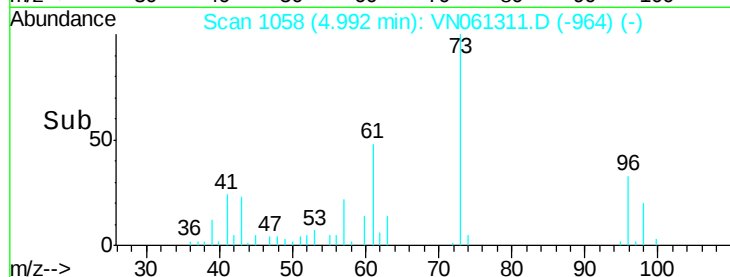
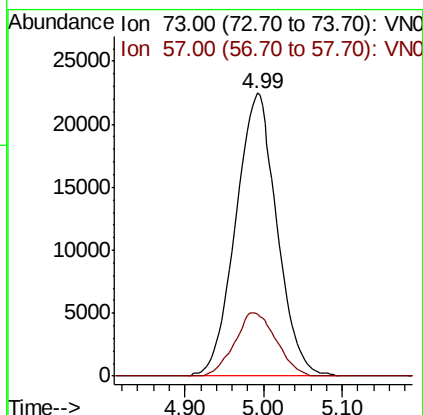
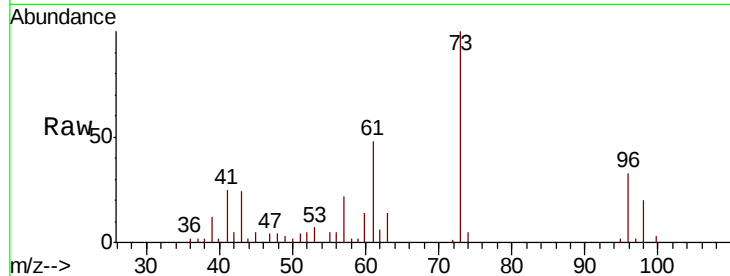


#19

Methyl tert-butyl Ether
 Concen: 17.753 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :

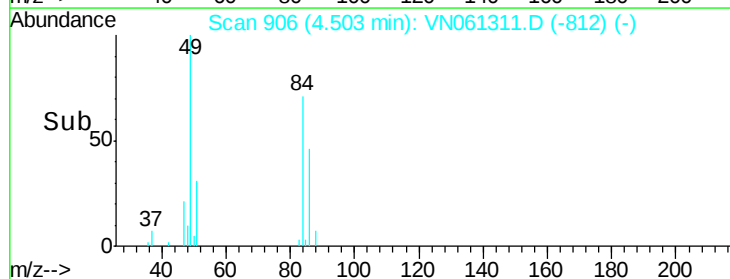
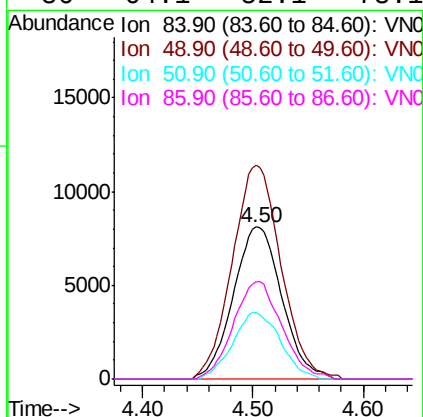
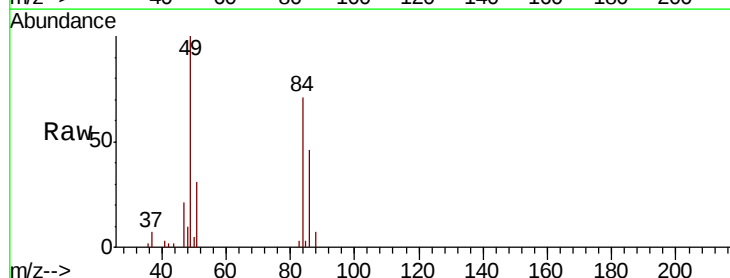
Tot Ion: 73 Resp: 82566
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.3 27.5

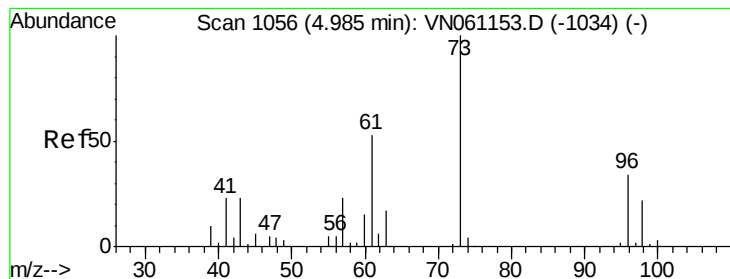


#20

Methylene Chloride
 Concen: 17.353 ug/l
 RT: 4.50 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 84 Resp: 24698
 Ion Ratio Lower Upper
 84 100
 49 140.7 112.0 168.0
 51 44.2 33.6 50.4
 86 64.1 52.1 78.1



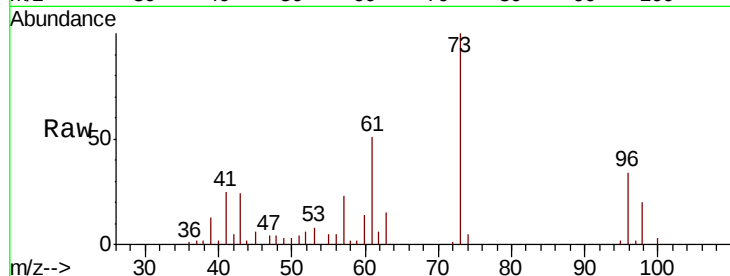


#21

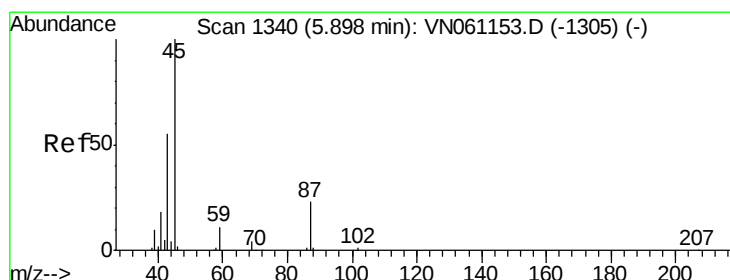
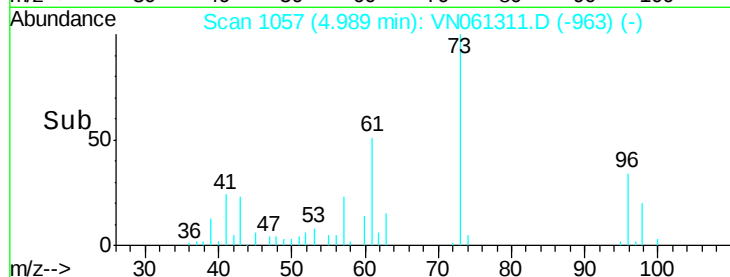
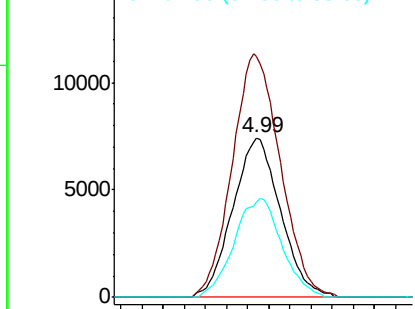
trans-1,2-Dichloroethene
Concen: 17.669 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 23417
Ion Ratio Lower Upper
96 100
61 151.2 123.0 184.4
98 59.8 50.1 75.1



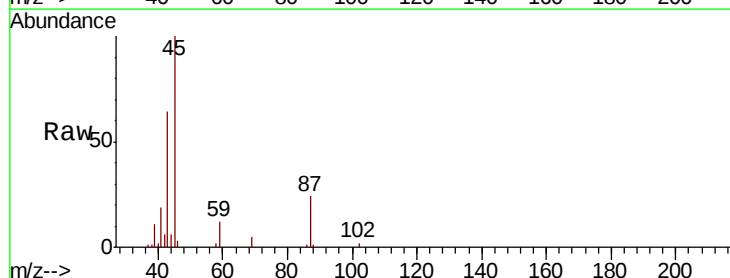
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



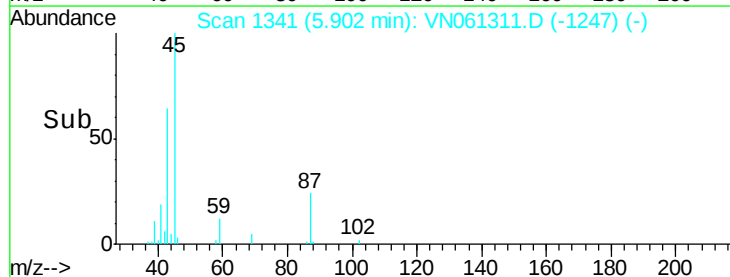
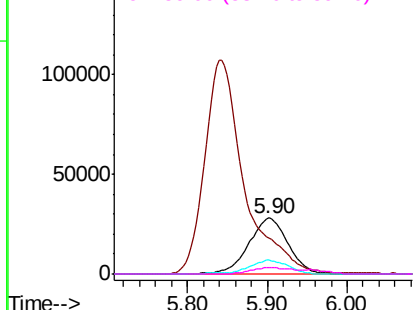
#22

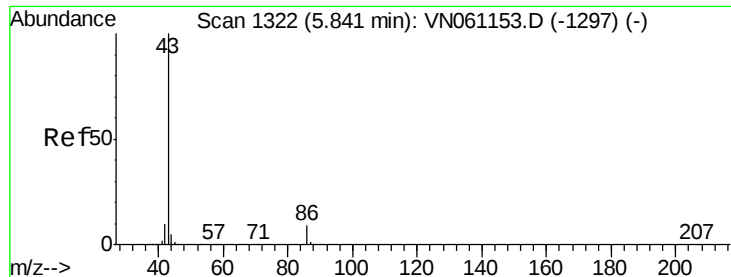
Diisopropyl ether
Concen: 18.056 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 45 Resp: 94491
Ion Ratio Lower Upper
45 100
43 61.9 47.9 71.9
87 24.3 19.2 28.8
59 11.6 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 87.155 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

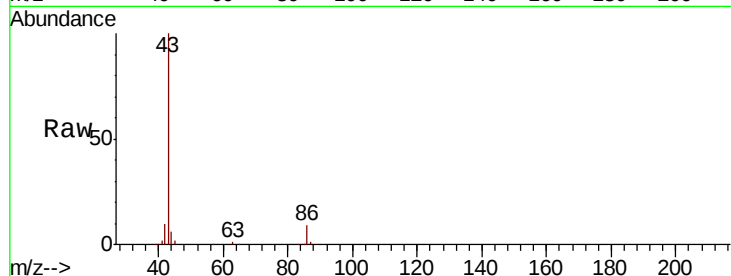
ClientSampleId :

Tot Ion: 43 Resp: 367240

Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061311.D (-1229) (-)

Ion 86.00 (85.70 to 86.70): VN061311.D (-1229) (-)

5.84

120000

100000

80000

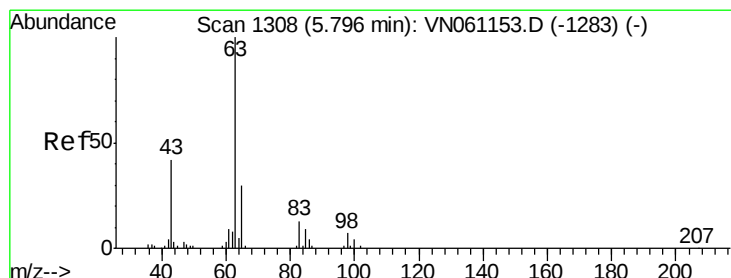
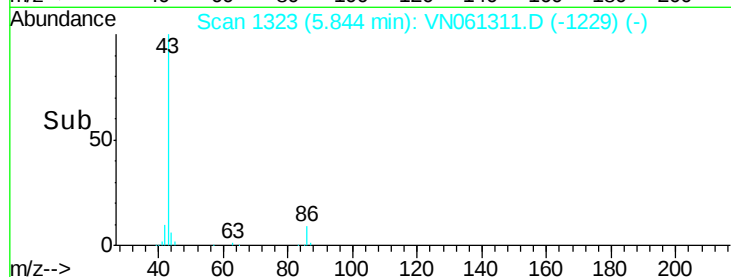
60000

40000

20000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 17.866 ug/l

RT: 5.80 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

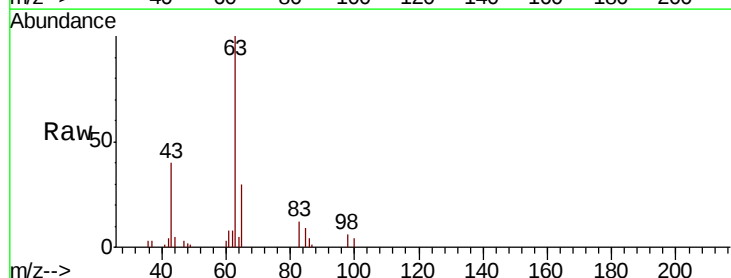
Tgt Ion: 63 Resp: 48851

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 4.4 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061311.D (-1215) (-)

Ion 97.90 (97.60 to 98.60): VN061311.D (-1215) (-)

Ion 99.90 (99.60 to 100.60): VN061311.D (-1215) (-)

5.80

20000

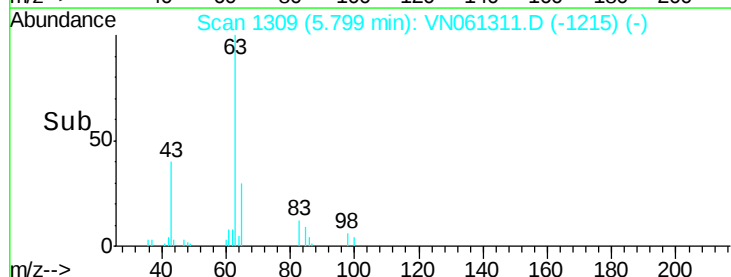
15000

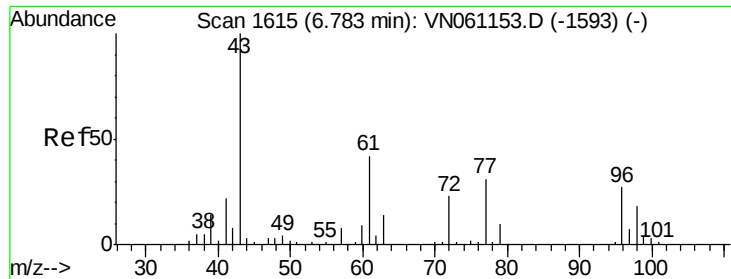
10000

5000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 82.797 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

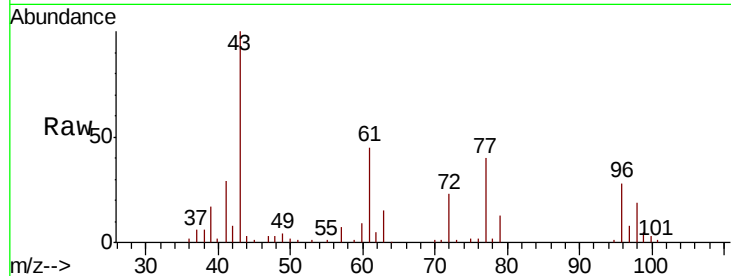
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 89428

Ion Ratio Lower Upper

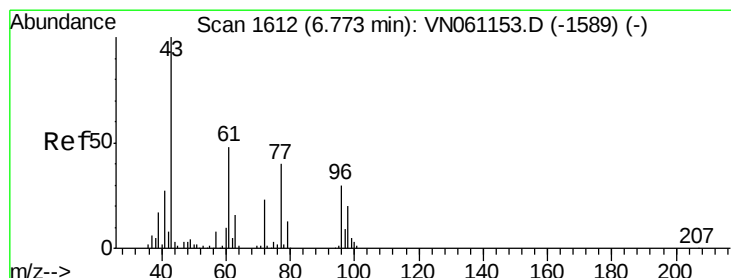
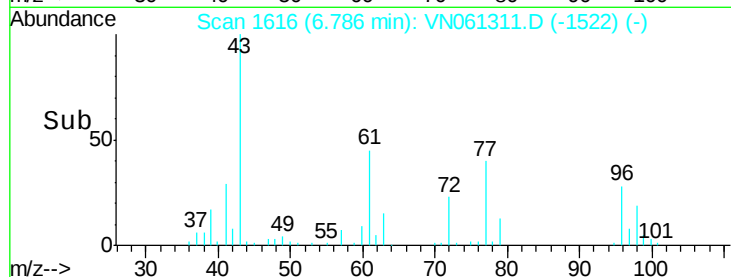
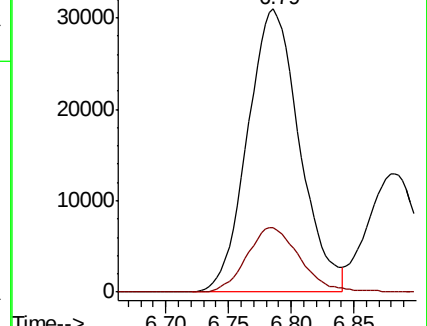
43 100

72 22.7 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.110 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VN061311.D

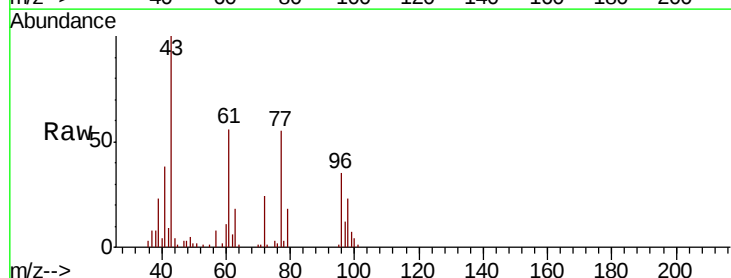
Acq: 6 May 2020 15:49

Tgt Ion: 77 Resp: 44012

Ion Ratio Lower Upper

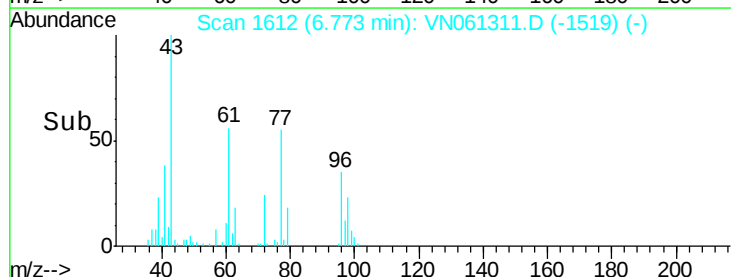
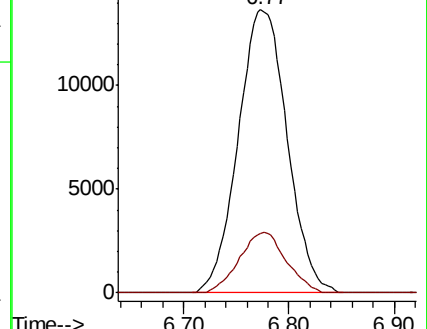
77 100

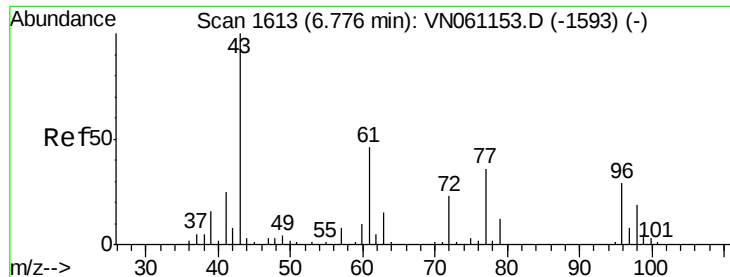
97 20.4 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 17.538 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

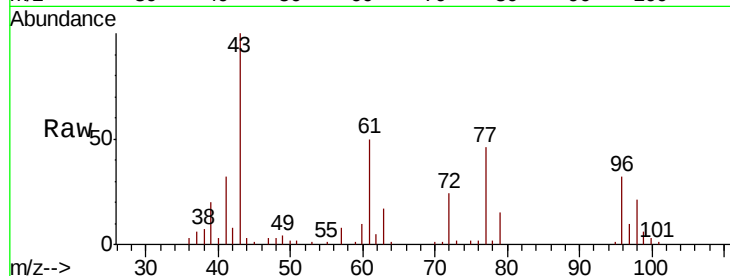
Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 27277

Ion	Ratio	Lower	Upper
96	100		
61	163.1	0.0	322.0
98	65.1	0.0	129.6

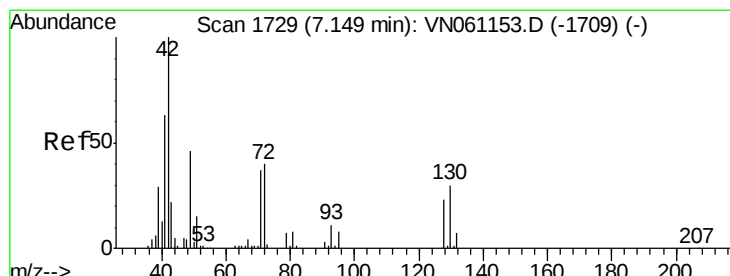
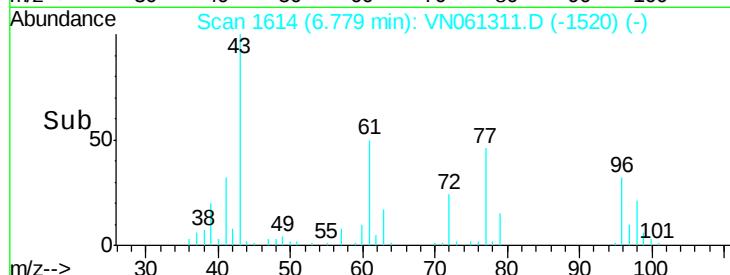
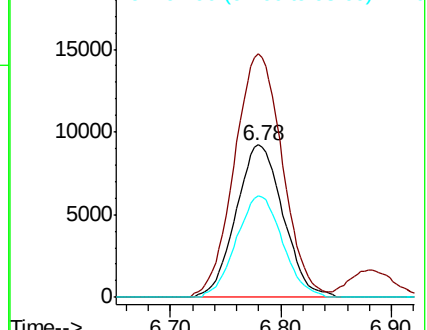


Abundance

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



#28

Bromochloromethane

Concen: 20.358 ug/l

RT: 7.15 min Scan# 1729

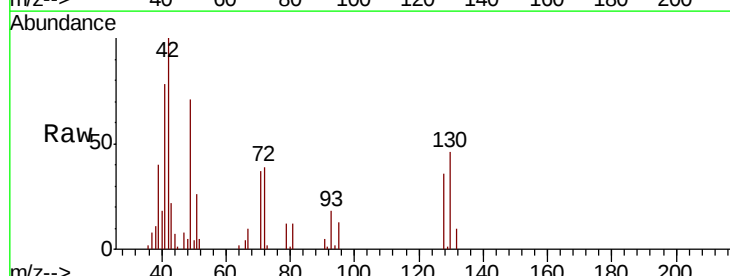
Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion: 49 Resp: 26383

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.0
130	62.1	51.4	77.2

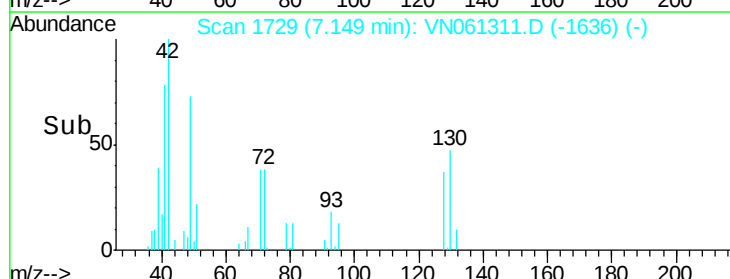
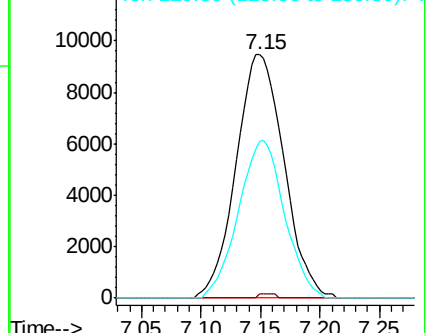


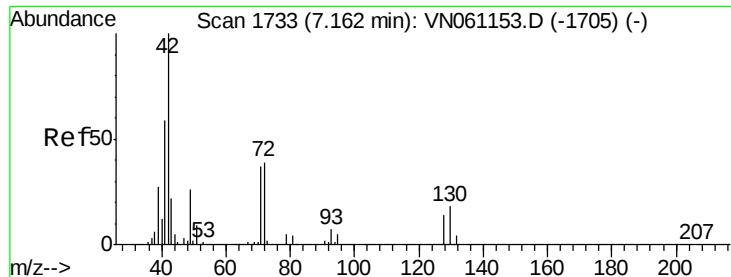
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

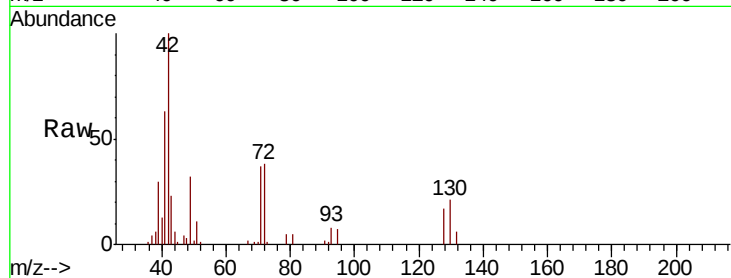




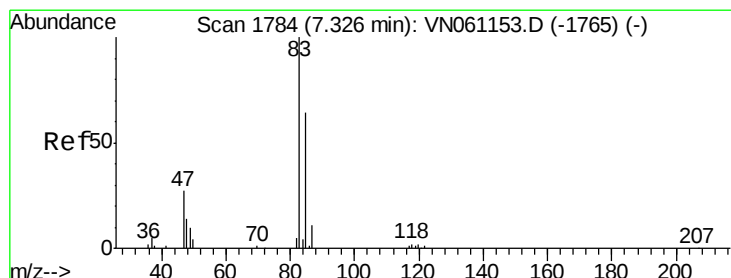
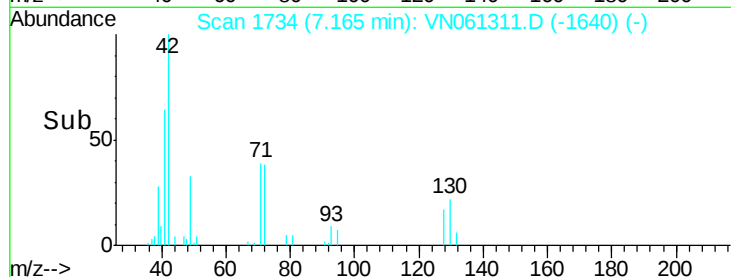
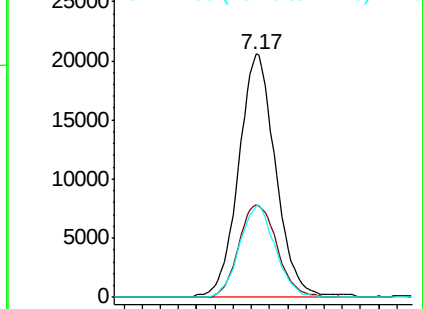
#29
Tetrahydrofuran
Concen: 79.827 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 58080
Ion Ratio Lower Upper
42 100
72 39.3 31.4 47.0
71 36.6 29.5 44.3

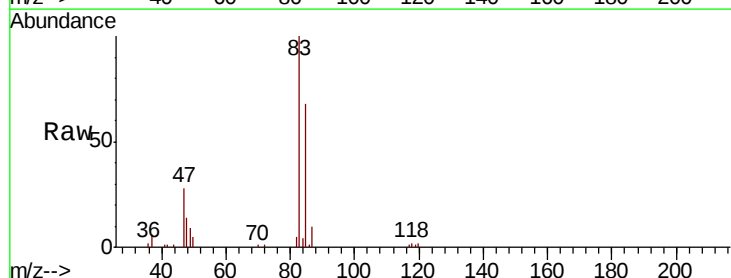


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

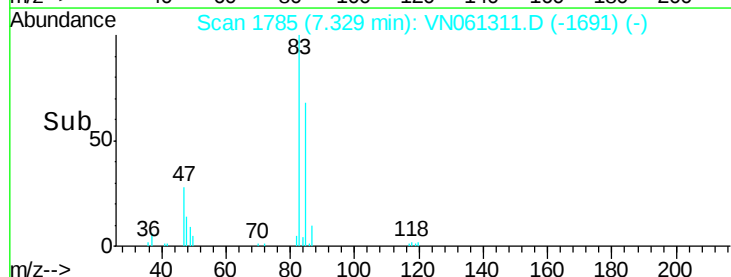
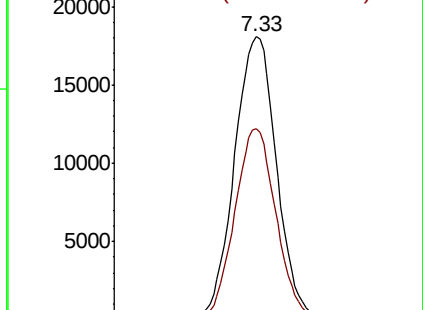


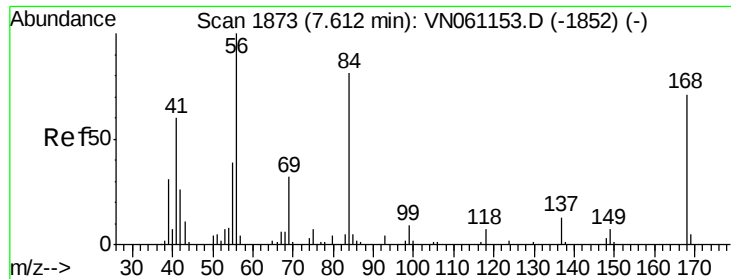
#30
Chloroform
Concen: 17.316 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 83 Resp: 47979
Ion Ratio Lower Upper
83 100
85 67.7 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

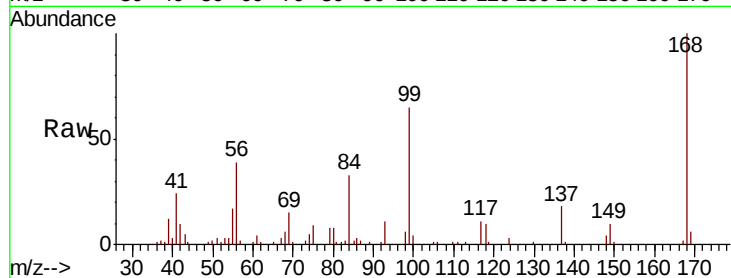




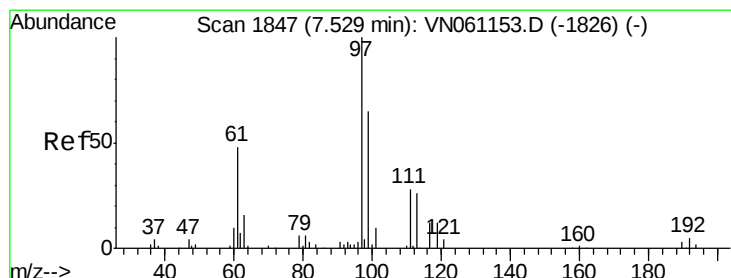
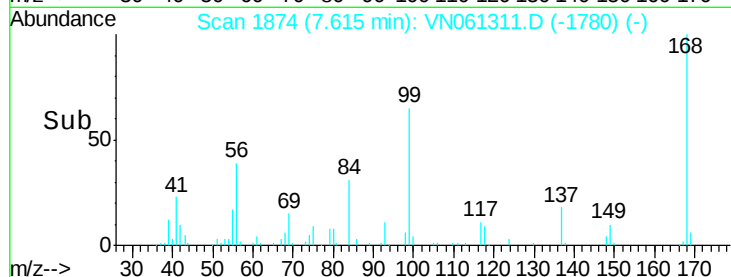
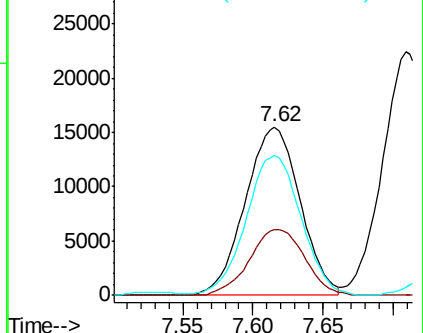
#31
Cyclohexane
Concen: 15.845 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 42074
Ion Ratio Lower Upper
56 100
69 39.2 25.7 38.5#
84 81.6 64.6 97.0

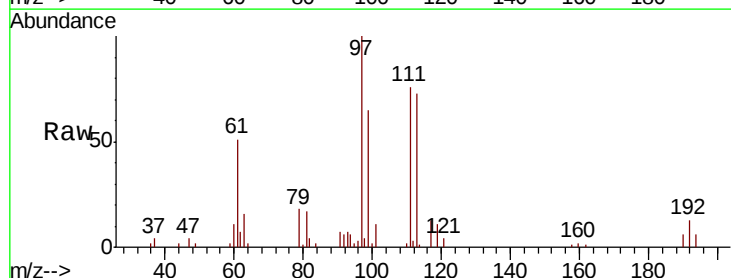


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

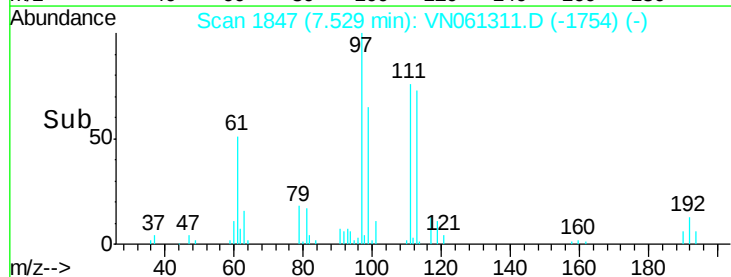
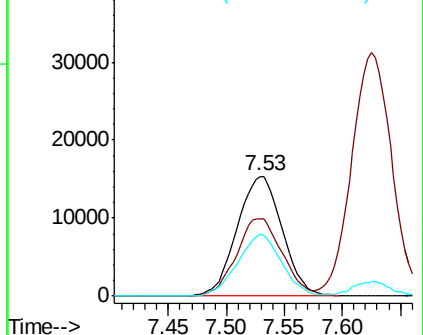


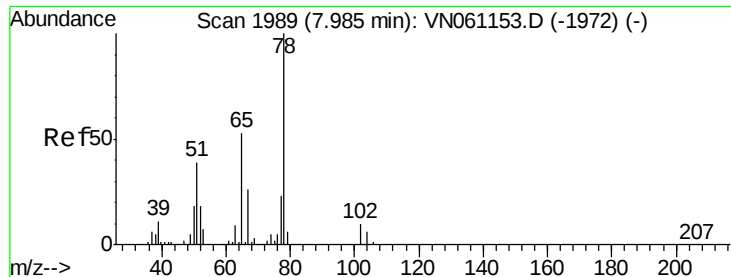
#32
1,1,1-Trichloroethane
Concen: 17.260 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 97 Resp: 41645
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 49.9 38.6 57.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

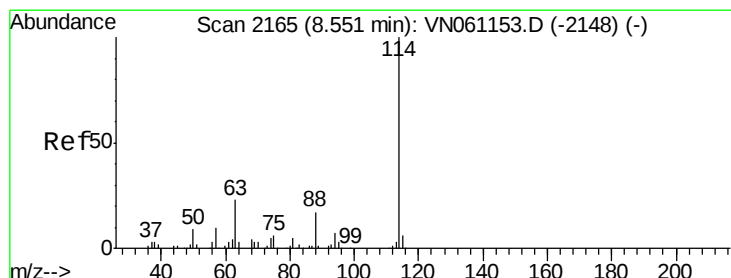
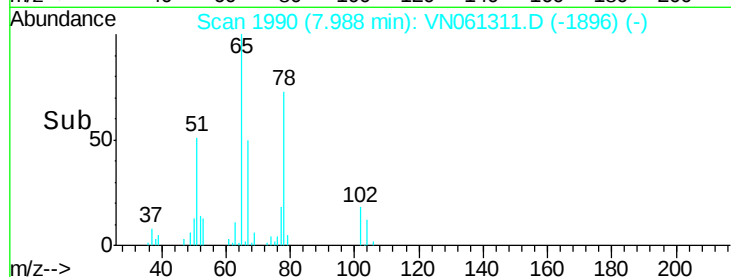
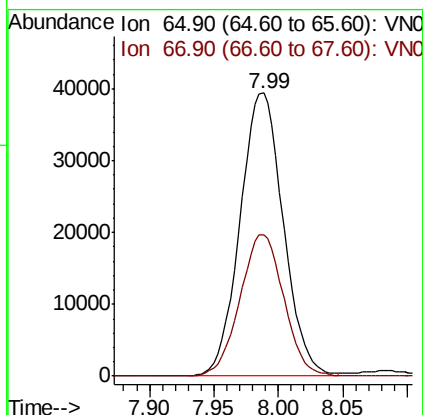
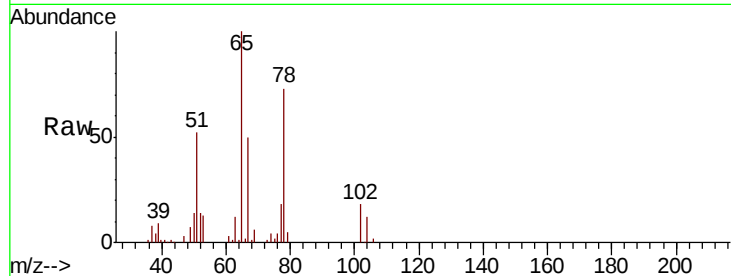




#33
 1,2-Dichloroethane-d4
 Concen: 50.481 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

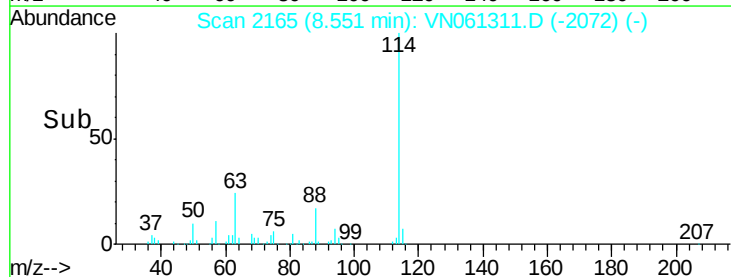
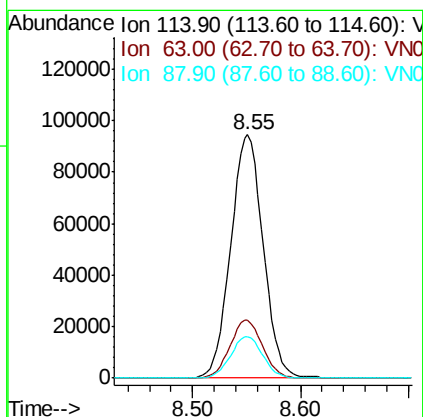
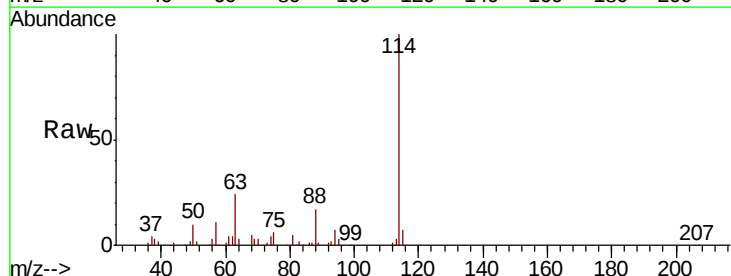
Instrument :
 MSVOA_N
 ClientSampleId :

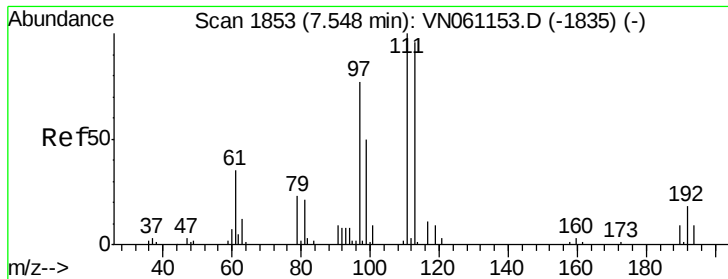
Tot Ion: 65 Resp: 92143
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 114 Resp: 198261
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.6
 88 17.2 0.0 33.4

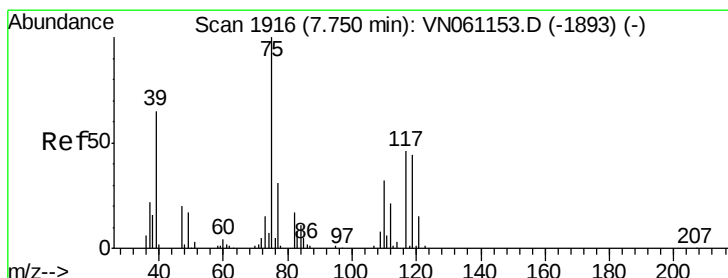
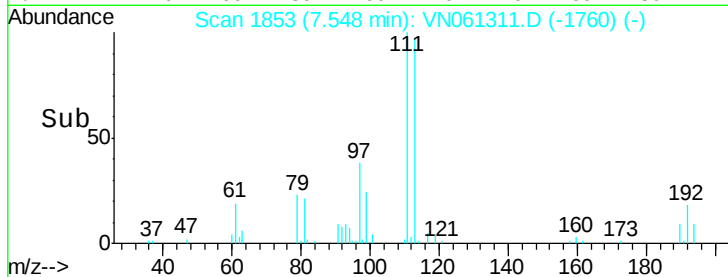
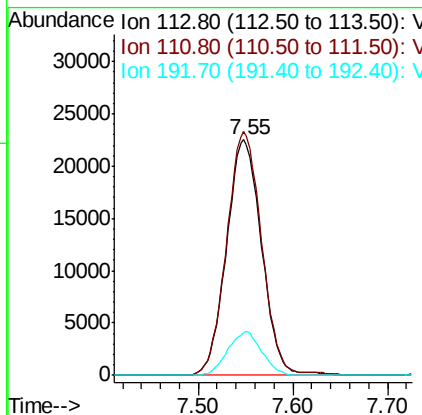
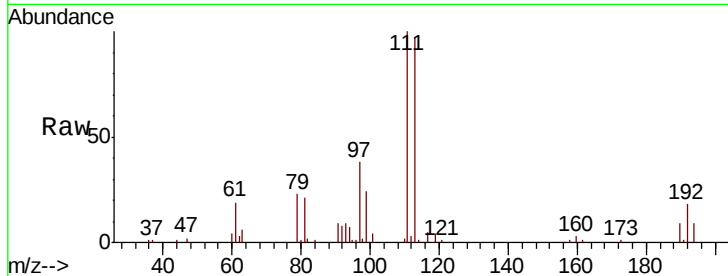




#35
 Dibromofluoromethane
 Concen: 49.447 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

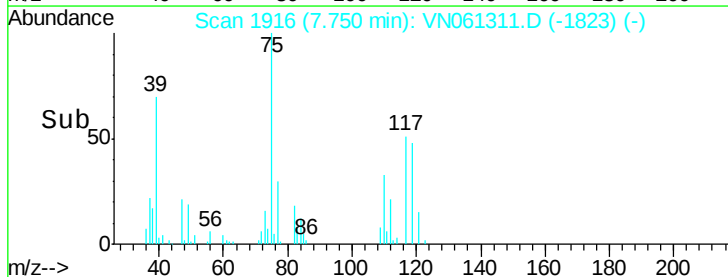
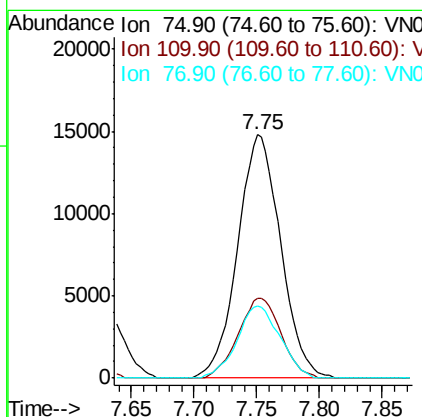
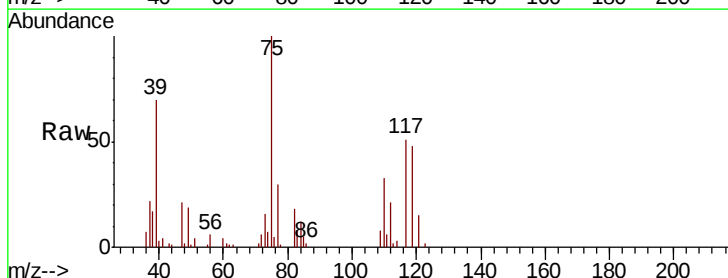
Instrument :
 MSVOA_N
 ClientSampleId :

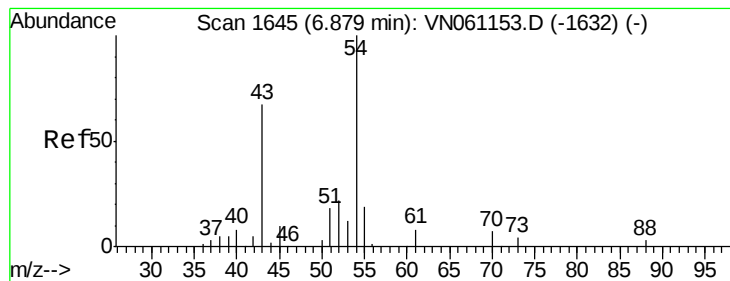
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.0	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 17.748 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.0	48.0
77	29.9	24.6	37.0





#37

Ethyl Acetate

Concen: 16.321 ug/l

RT: 6.88 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

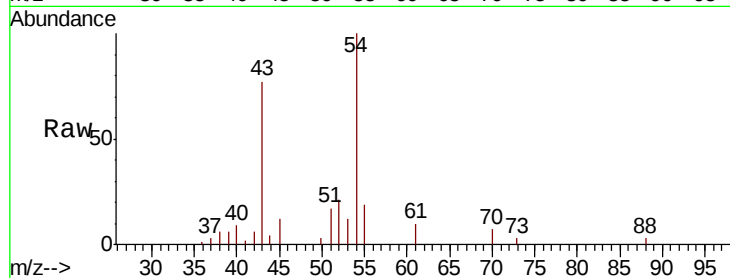
Tot Ion: 43 Resp: 37974

Ion Ratio Lower Upper

43 100

61 12.7 10.2 15.2

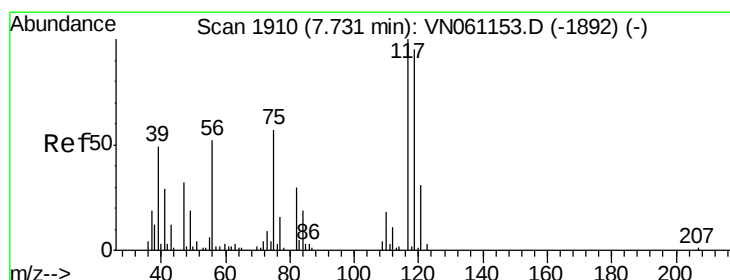
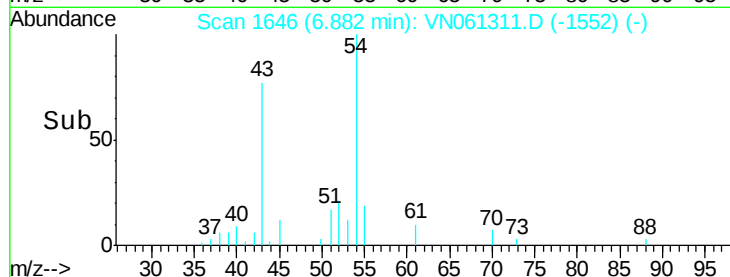
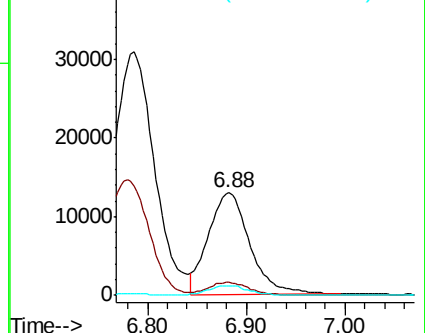
70 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061311.D (-1632) (-)

Ion 60.90 (60.60 to 61.60): VN061311.D (-1632) (-)

Ion 70.00 (69.70 to 70.70): VN061311.D (-1632) (-)



#38

Carbon Tetrachloride

Concen: 18.480 ug/l

RT: 7.73 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

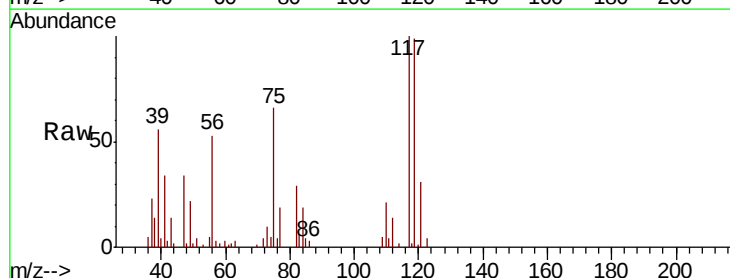
Tgt Ion: 117 Resp: 30728

Ion Ratio Lower Upper

117 100

119 98.7 75.8 113.6

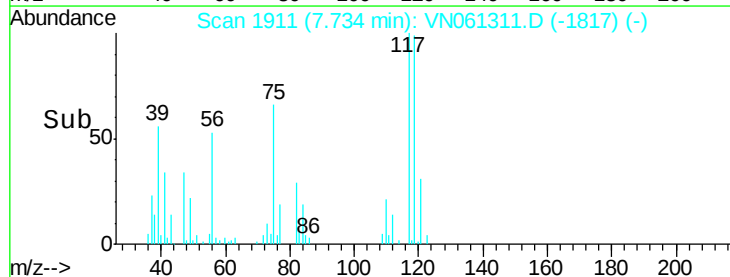
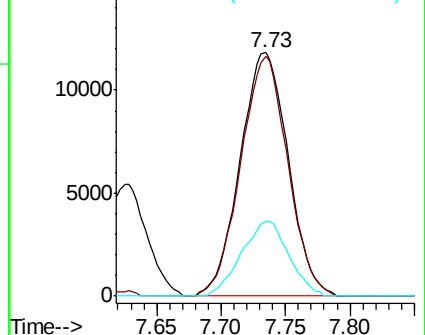
121 30.9 24.7 37.1

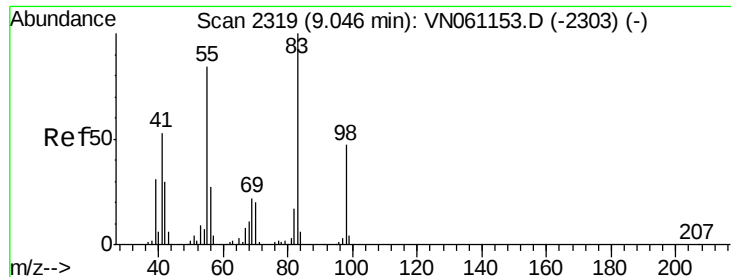


Abundance Ion 116.80 (116.50 to 117.50): VN061311.D (-1892) (-)

Ion 118.80 (118.50 to 119.50): VN061311.D (-1892) (-)

Ion 120.80 (120.50 to 121.50): VN061311.D (-1892) (-)

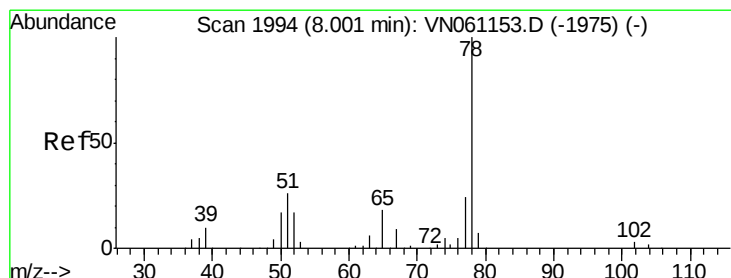
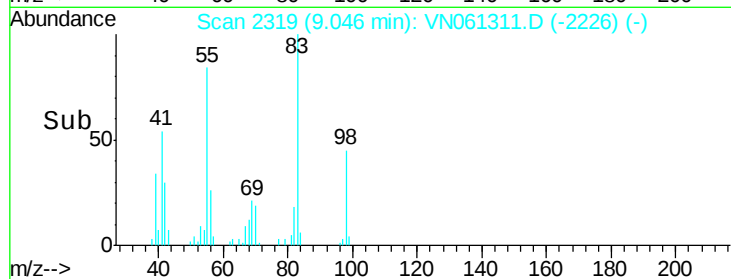
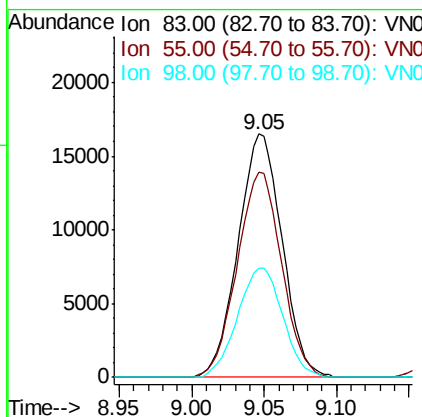
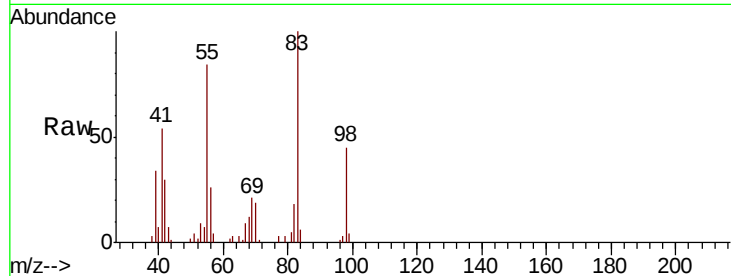




#39
Methvlcvclohexane
Concen: 15.629 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

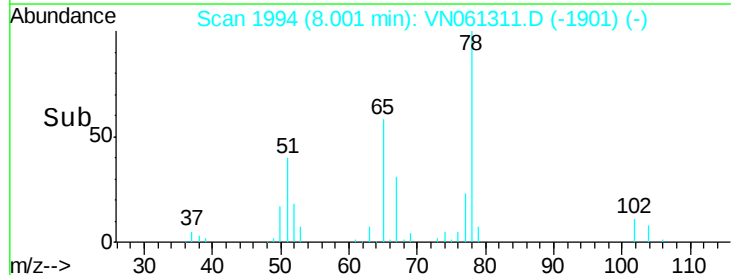
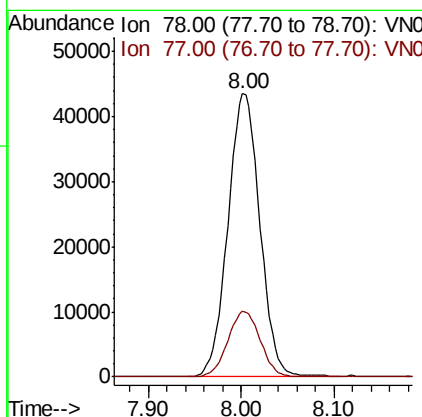
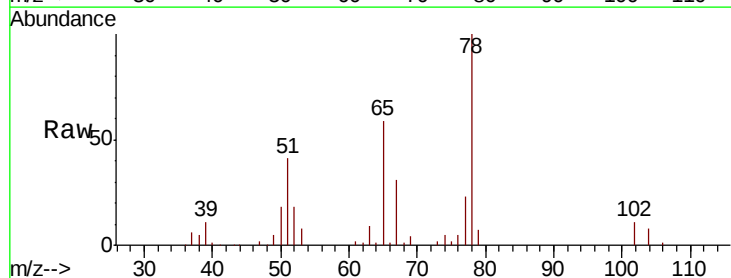
Instrument :
MSVOA_N
ClientSampleId :

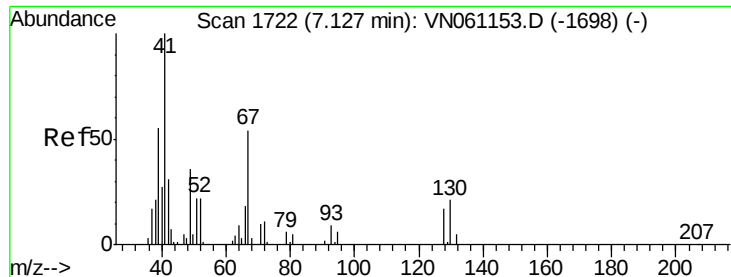
Tot Ion: 83 Resp: 34787
Ion Ratio Lower Upper
83 100
55 84.2 67.3 100.9
98 44.7 37.7 56.5



#40
Benzene
Concen: 17.563 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 78 Resp: 103849
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6

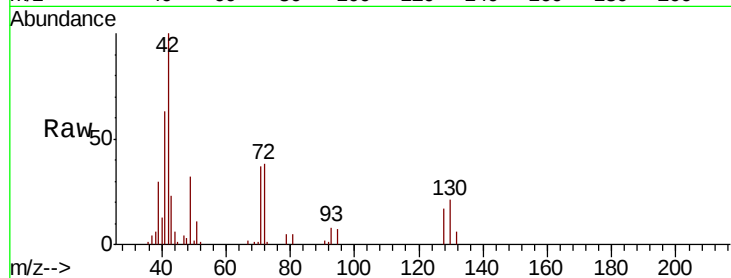




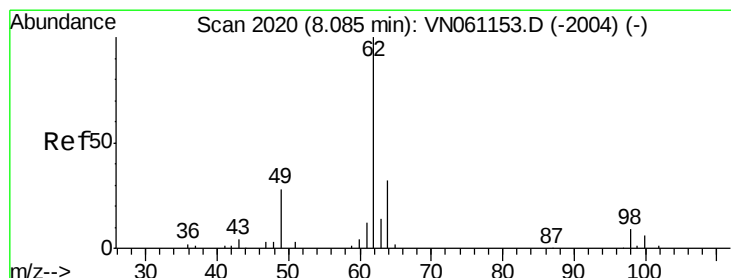
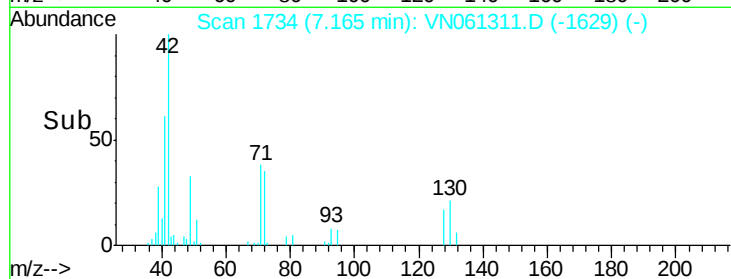
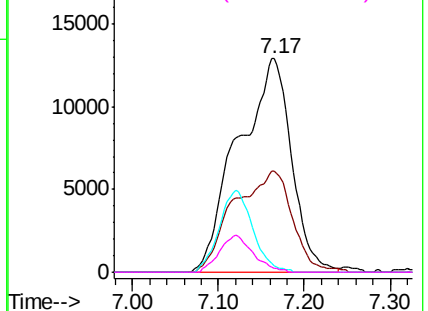
#41
Methacrylonitrile
Concen: 57.650 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.04 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	55693
Ion	Ratio	Lower	Upper
41	100		
39	52.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

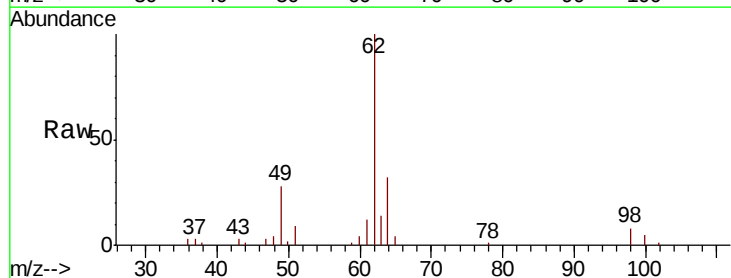


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

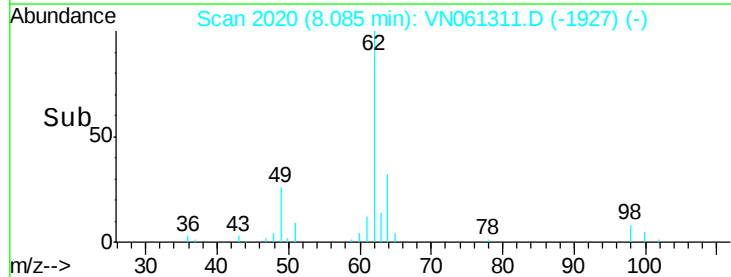
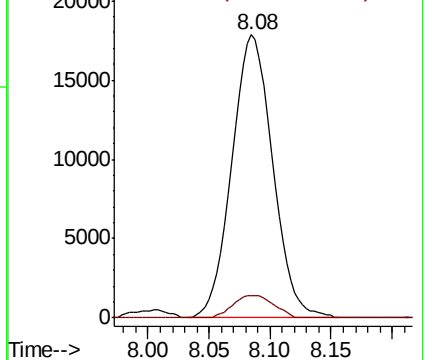


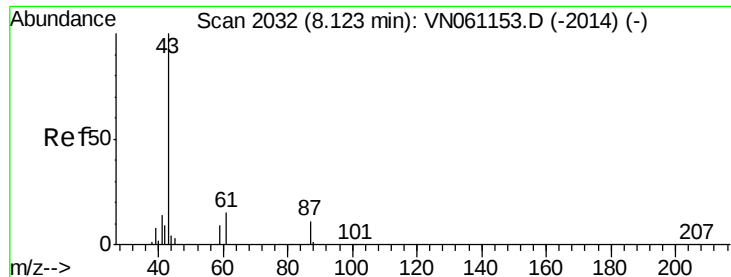
#42
1,2-Dichloroethane
Concen: 18.526 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion:	62	Resp:	41499
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 16.954 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

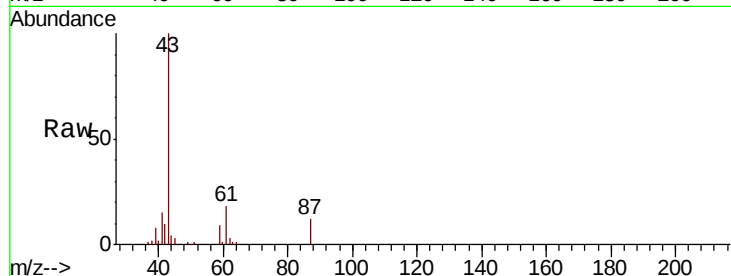
Tot Ion: 43 Resp: 65466

Ion Ratio Lower Upper

43 100

61 18.4 19.5 29.3#

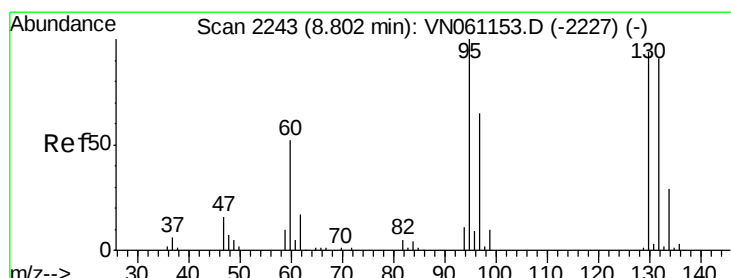
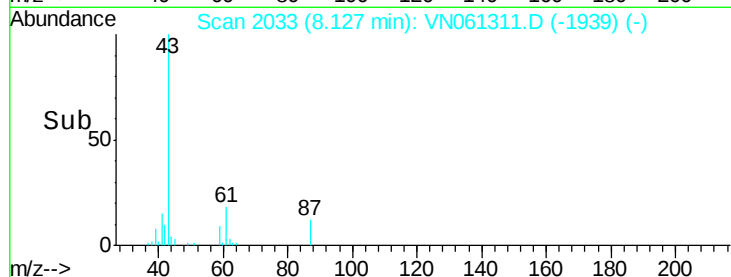
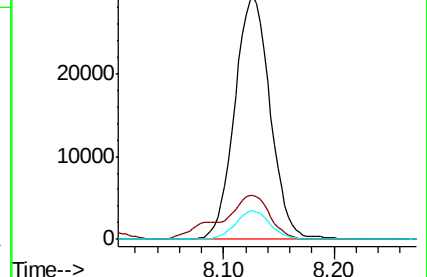
87 11.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061311.D (-1939) (-)

Ion 61.00 (60.70 to 61.70): VN061311.D (-1939) (-)

Ion 87.00 (86.70 to 87.70): VN061311.D (-1939) (-)



#44

Trichloroethene

Concen: 16.559 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061311.D

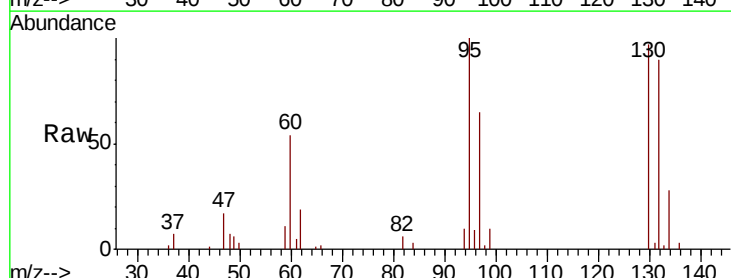
Acq: 6 May 2020 15:49

Tgt Ion: 130 Resp: 26469

Ion Ratio Lower Upper

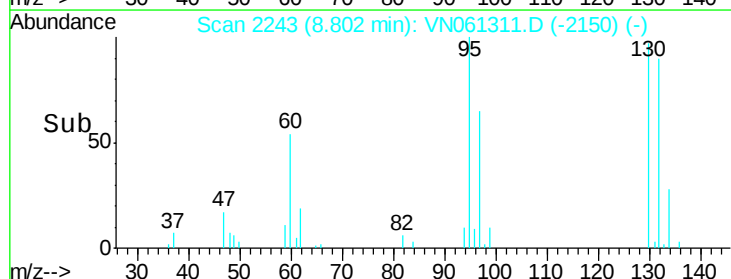
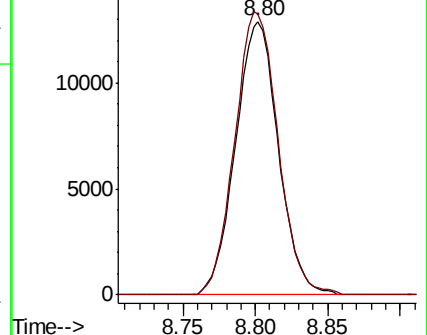
130 100

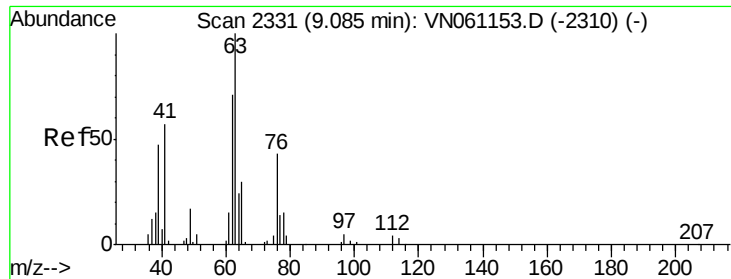
95 102.8 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061311.D (-2150) (-)

Ion 94.90 (94.60 to 95.60): VN061311.D (-2150) (-)

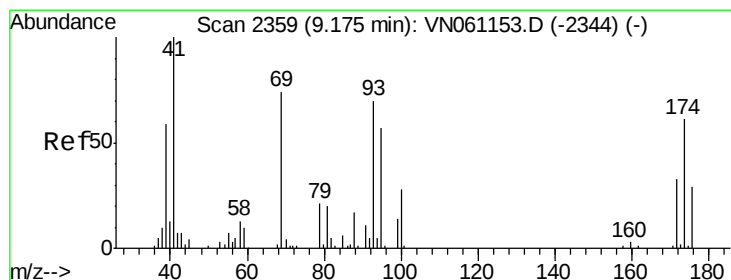
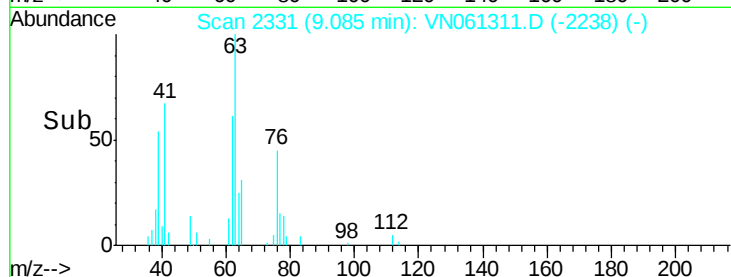
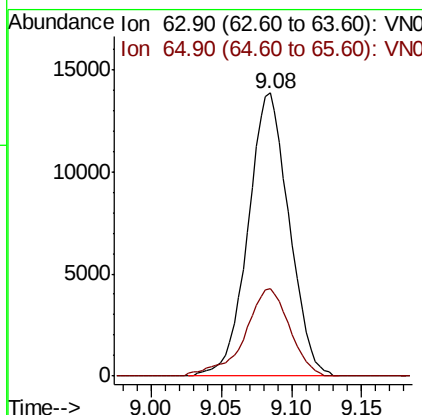
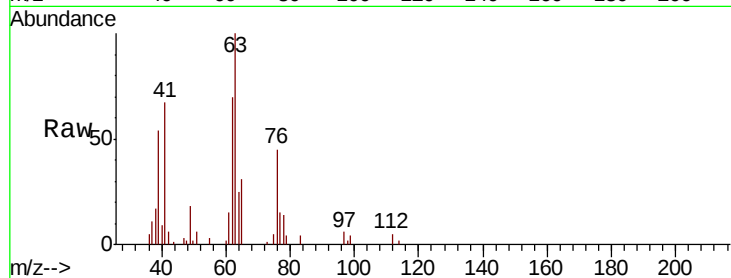




#45
 1,2-Dichloropropane
 Concen: 17.818 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

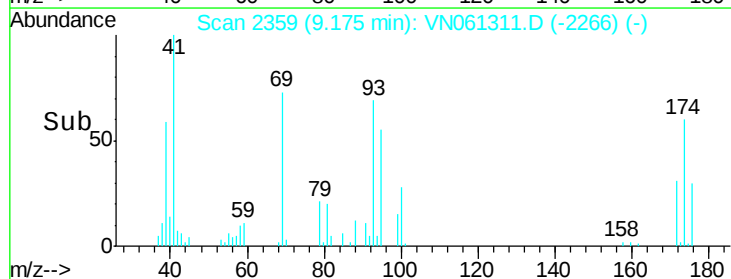
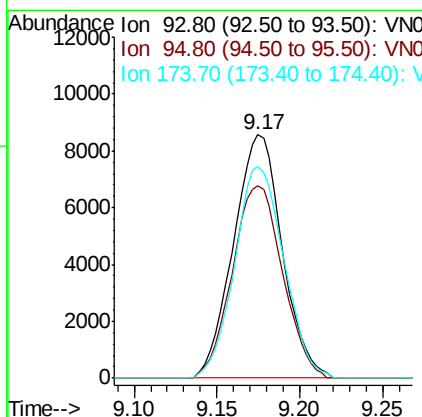
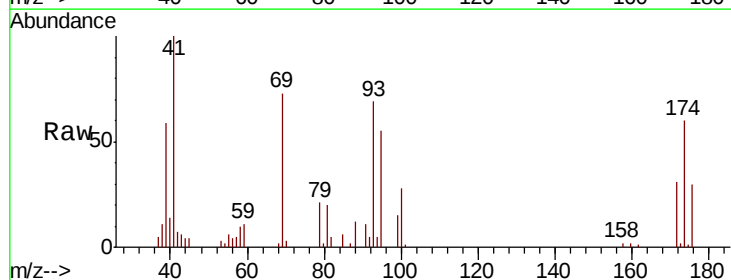
Instrument :
 MSVOA_N
 ClientSampled :

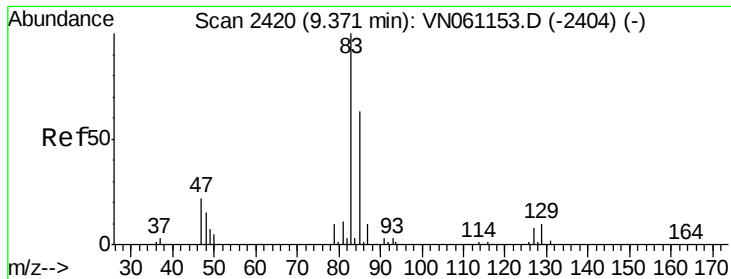
Tot Ion: 63 Resp: 28147
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1



#46
 Dibromomethane
 Concen: 17.910 ug/l
 RT: 9.17 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 93 Resp: 17518
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.6 99.8
 174 87.8 70.2 105.2





#47

Bromodichloromethane

Concen: 18.150 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :

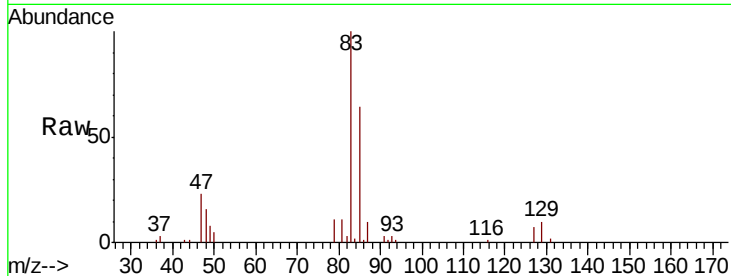
Tot Ion: 83 Resp: 38104

Ion Ratio Lower Upper

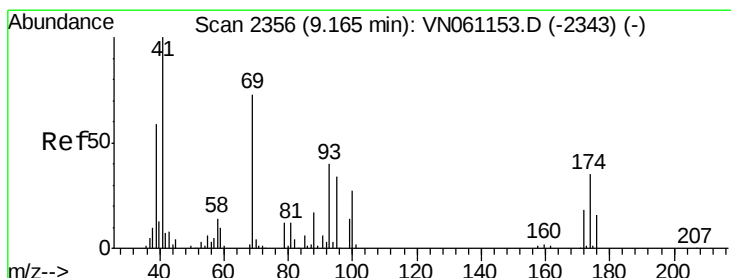
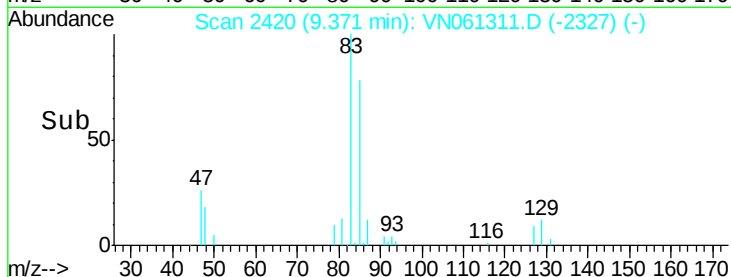
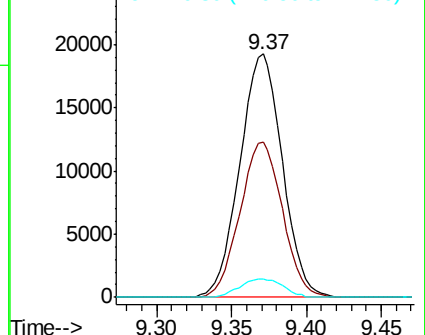
83 100

85 63.9 50.4 75.6

127 7.3 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 17.414 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

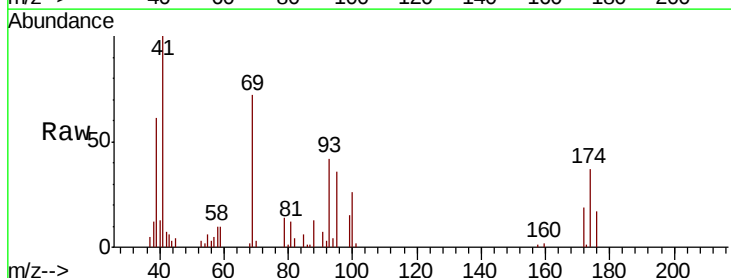
Tgt Ion: 41 Resp: 30344

Ion Ratio Lower Upper

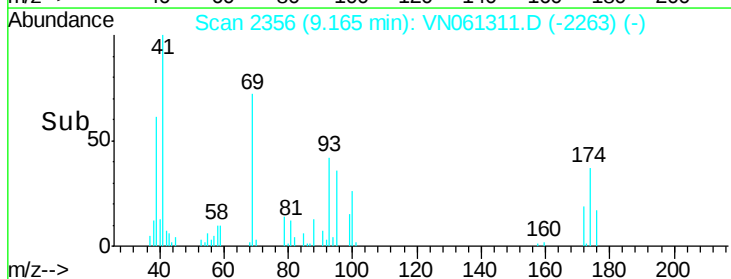
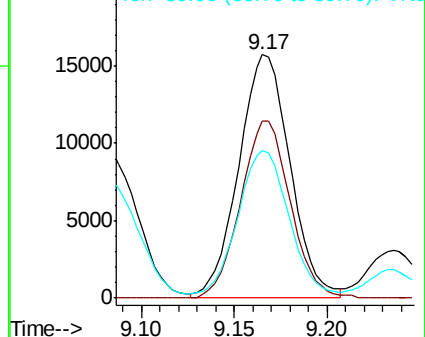
41 100

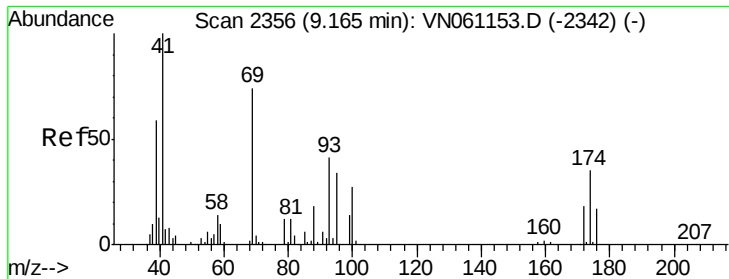
69 70.2 60.3 90.5

39 61.2 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

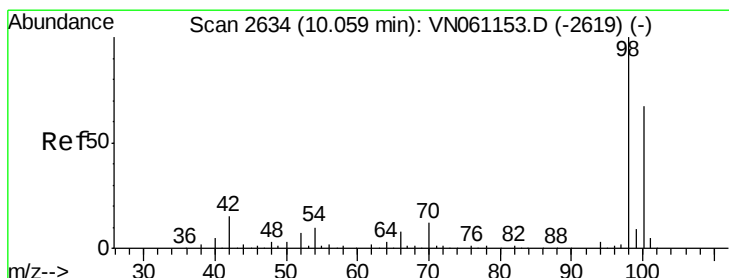
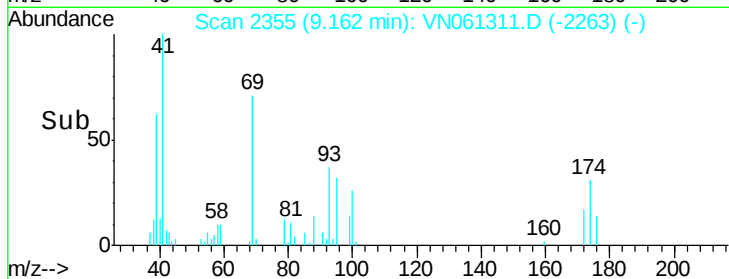
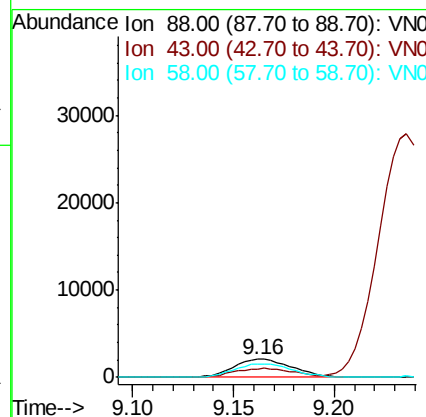
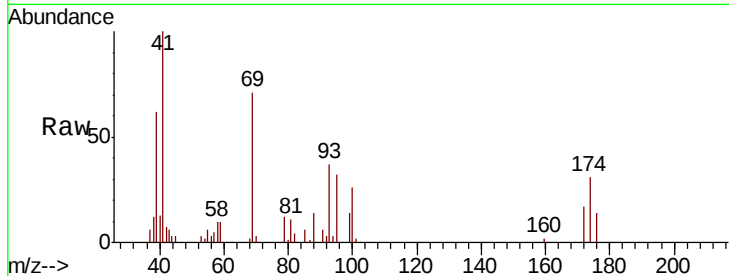




#49
1,4-Dioxane
Concen: 211.736 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

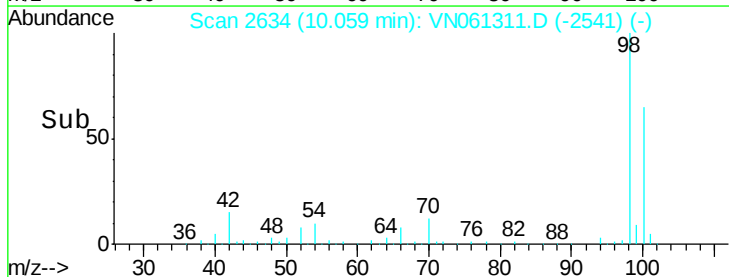
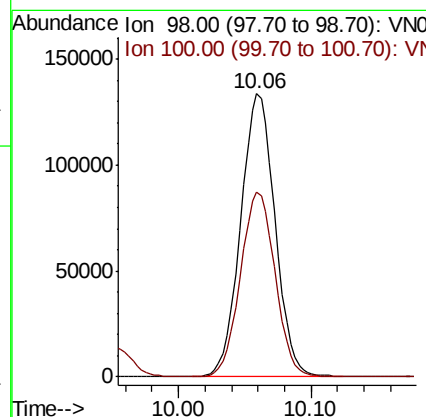
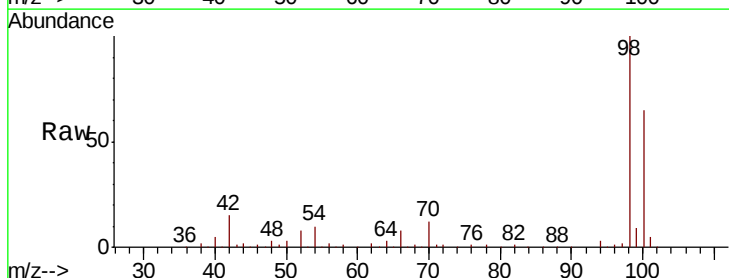
Instrument :
MSVOA_N
ClientSampleId :

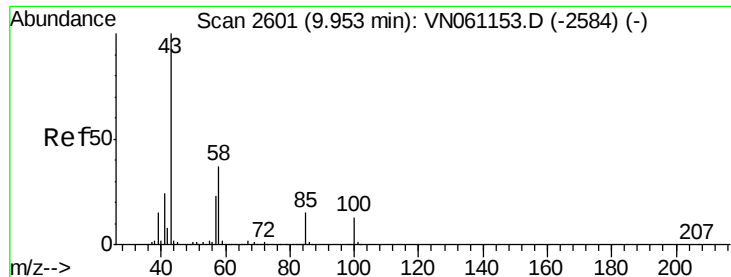
Tot Ion: 88 Resp: 4188
Ion Ratio Lower Upper
88 100
43 50.7 35.3 52.9
58 72.9 61.5 92.3



#50
Toluene-d8
Concen: 50.329 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 98 Resp: 240530
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0

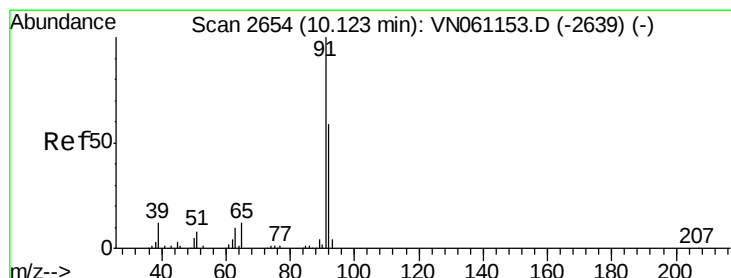
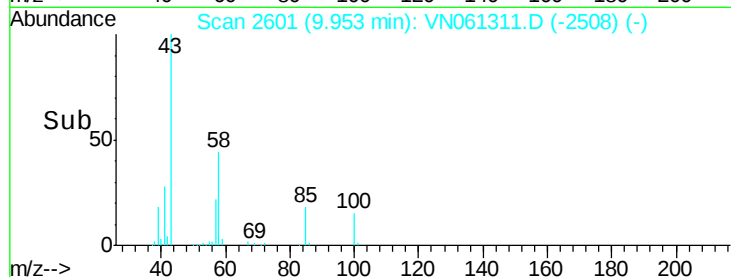
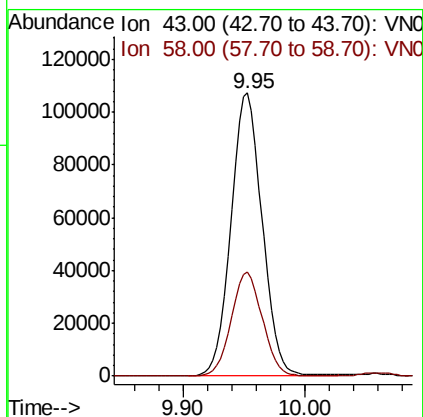
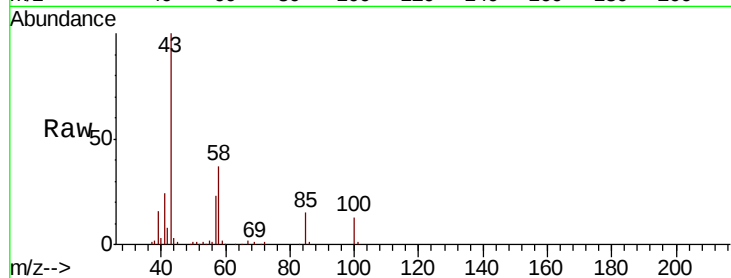




#51
 4-Methyl-2-Pentanone
 Concen: 83.876 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

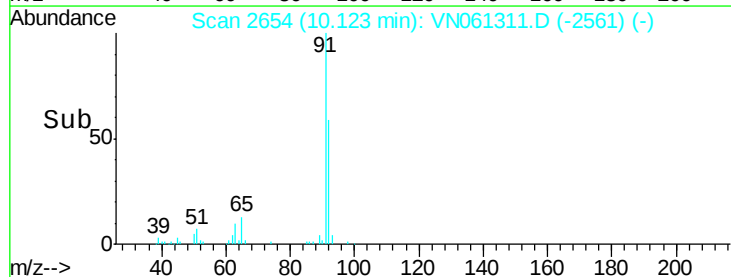
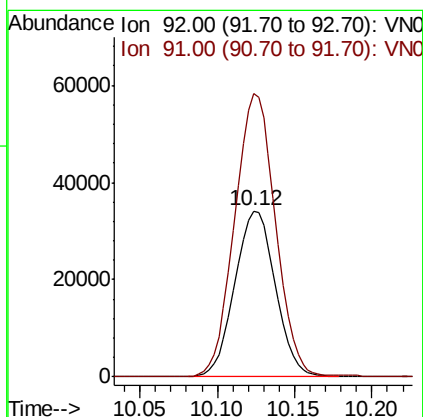
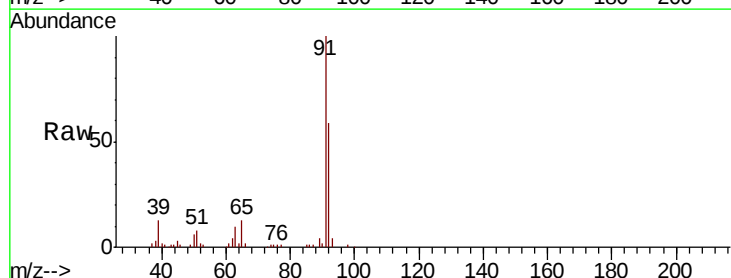
Instrument :
 MSVOA_N
 ClientSampled :

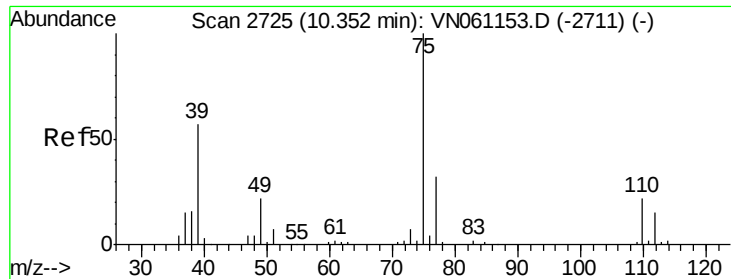
Tot Ion: 43 Resp: 190643
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.1 43.7



#52
 Toluene
 Concen: 17.508 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 92 Resp: 62353
 Ion Ratio Lower Upper
 92 100
 91 172.2 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 17.786 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

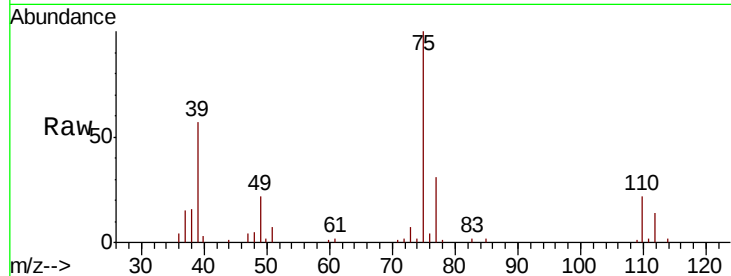
ClientSampled :

Tot Ion: 75 Resp: 42074

Ion Ratio Lower Upper

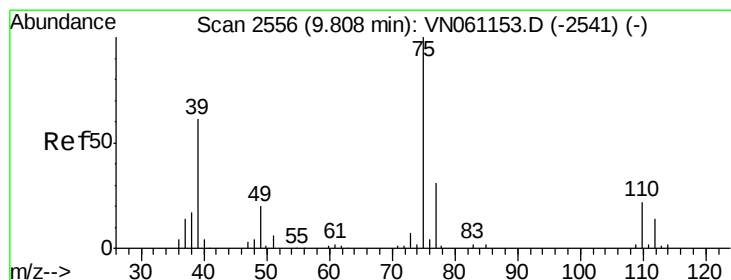
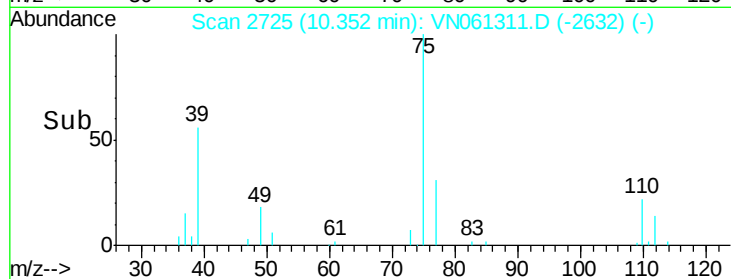
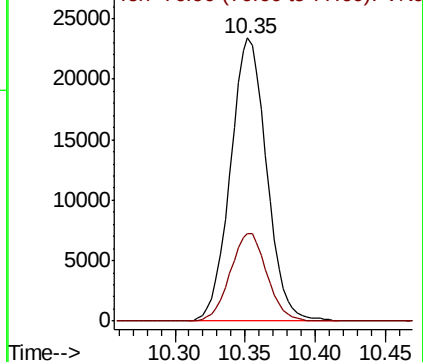
75 100

77 31.1 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.648 ug/l

RT: 9.81 min Scan# 2556

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

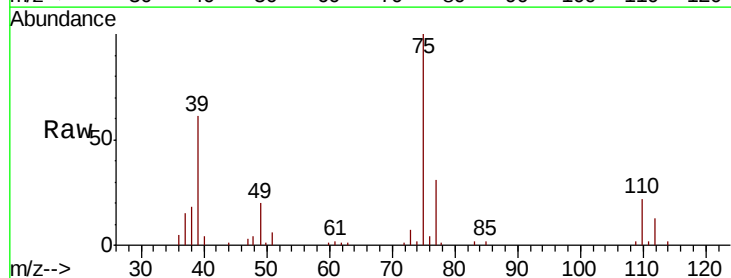
Tgt Ion: 75 Resp: 44136

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4

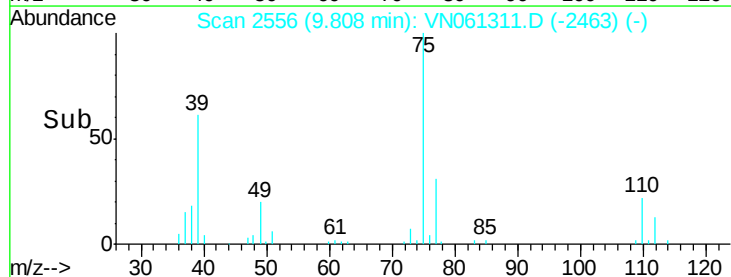
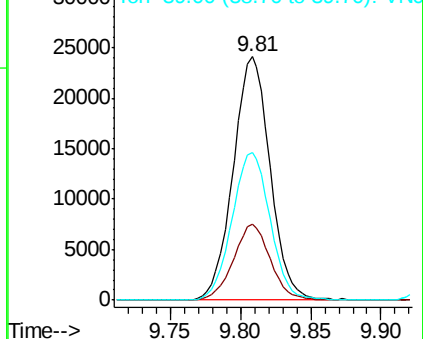
39 60.5 48.7 73.1

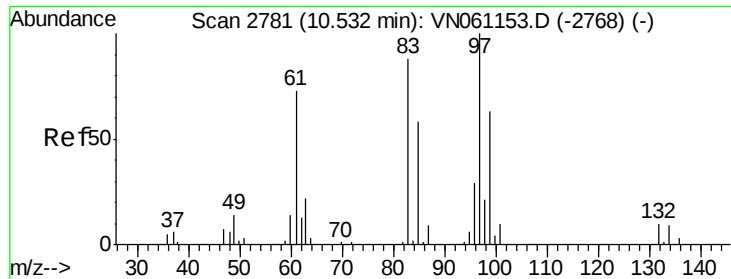


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 17.518 ug/l

RT: 10.53 min Scan# 2782

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 24886

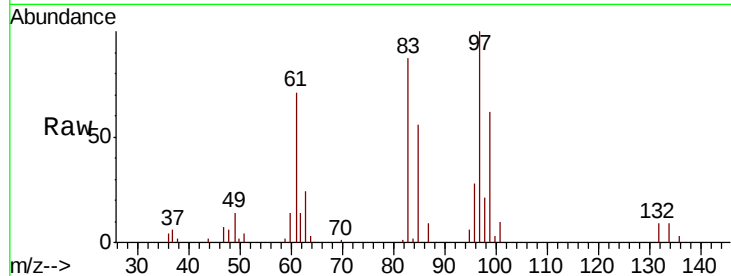
Ion Ratio Lower Upper

97 100

83 87.1 70.6 106.0

85 55.8 46.4 69.6

99 61.9 50.6 75.8



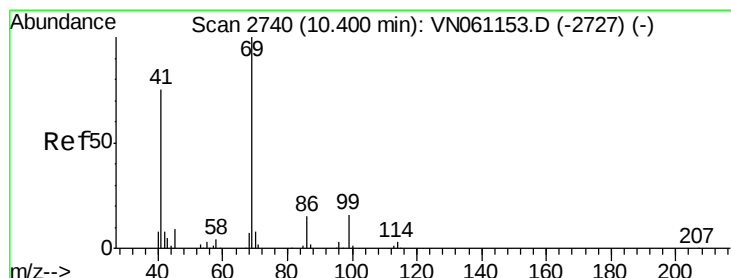
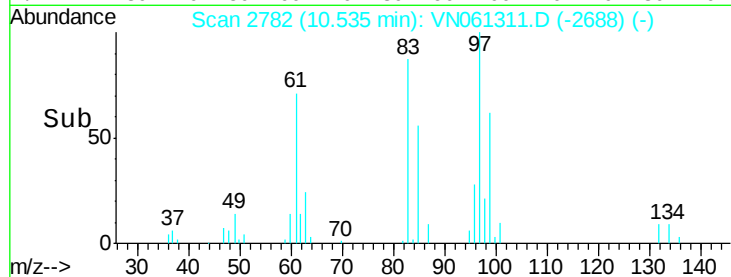
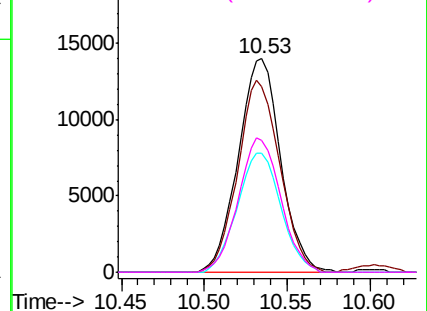
Abundance

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



#56

Ethyl methacrylate

Concen: 16.749 ug/l

RT: 10.40 min Scan# 2740

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

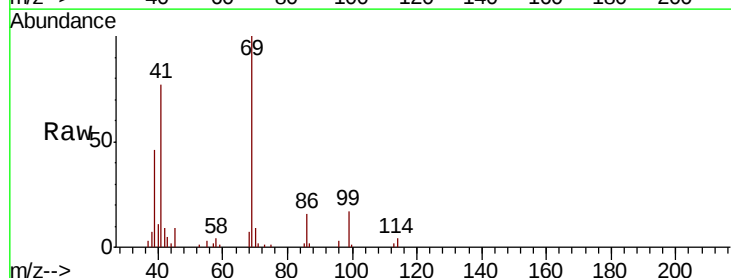
Tgt Ion: 69 Resp: 36713

Ion Ratio Lower Upper

69 100

41 78.1 60.3 90.5

39 47.5 35.9 53.9

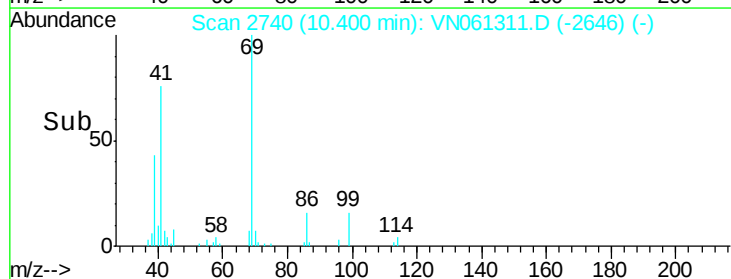
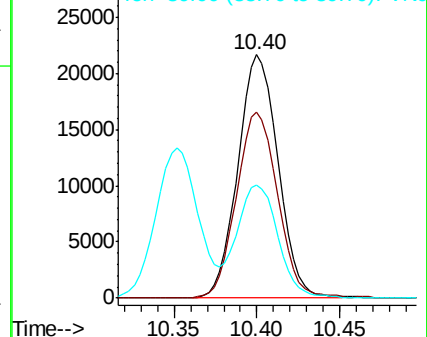


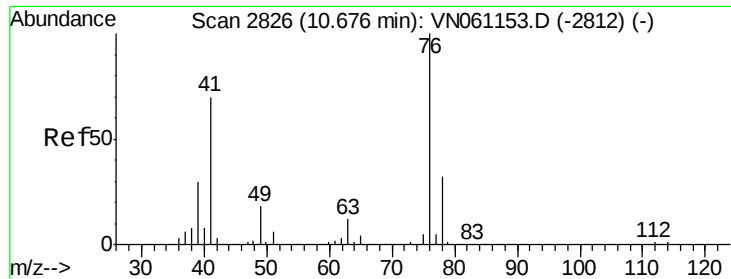
Abundance

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

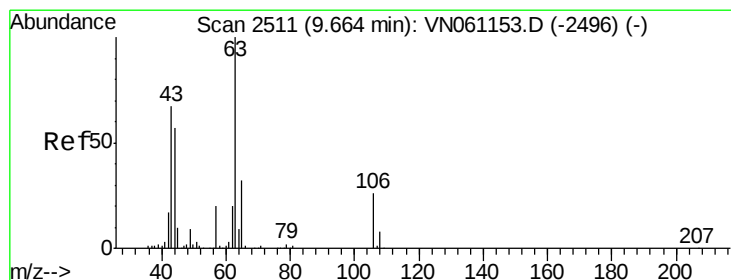
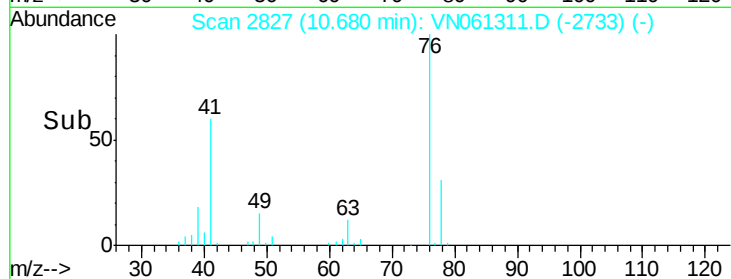
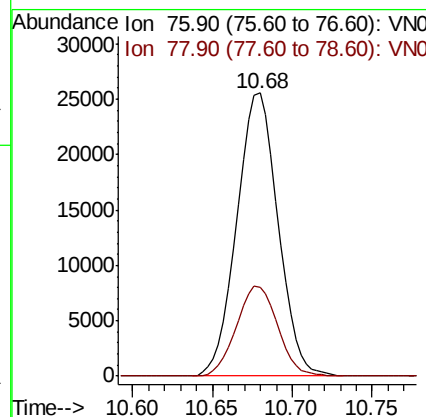
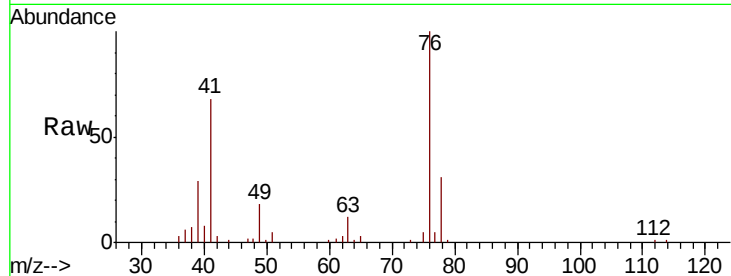




#57
 1,3-Dichloropropane
 Concen: 17.977 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

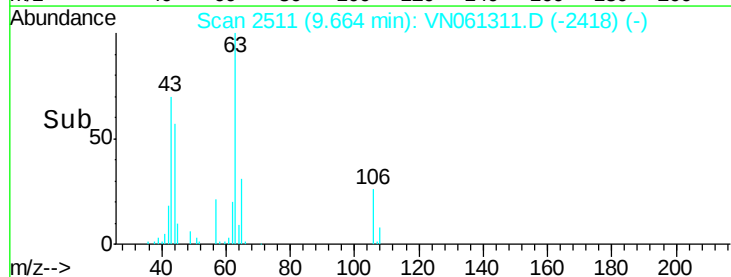
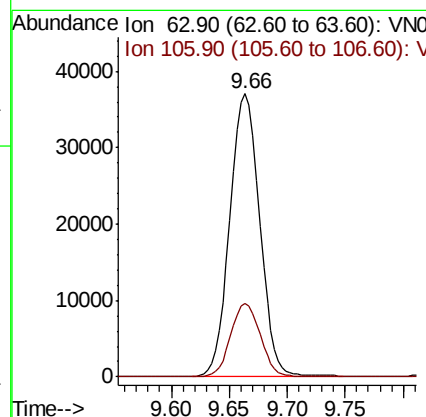
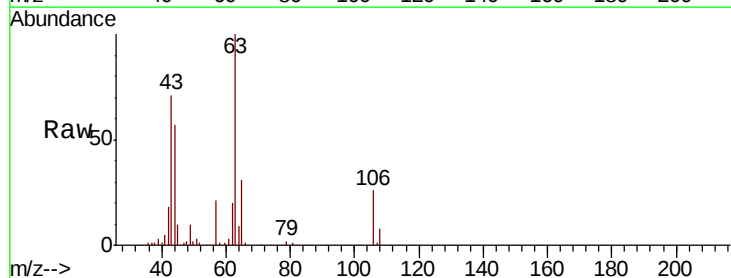
Instrument :
 MSVOA_N
 ClientSampled :

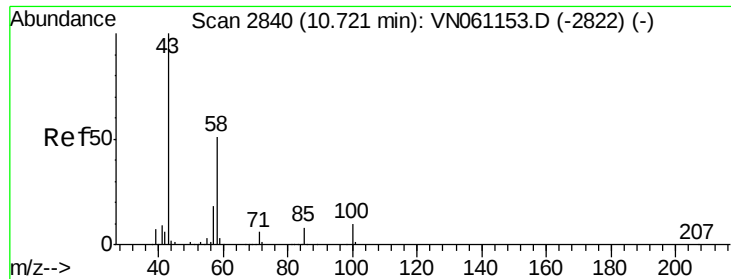
Tot Ion: 76 Resp: 44890
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 57.606 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 63 Resp: 66240
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.6 30.8

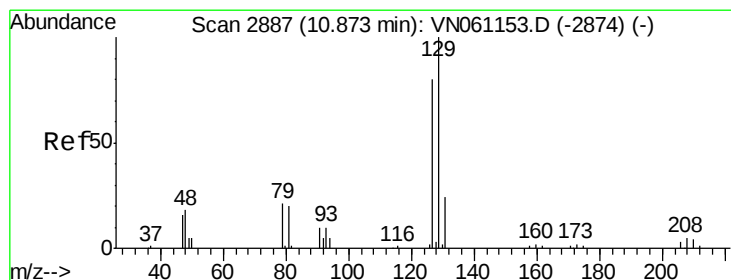
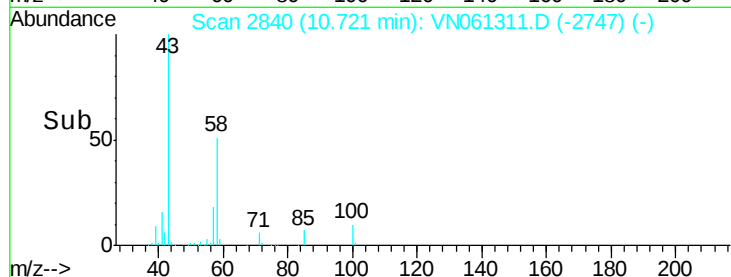
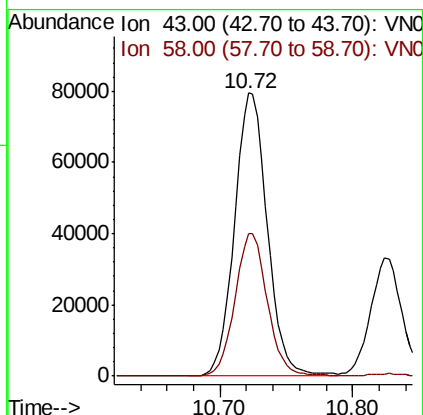
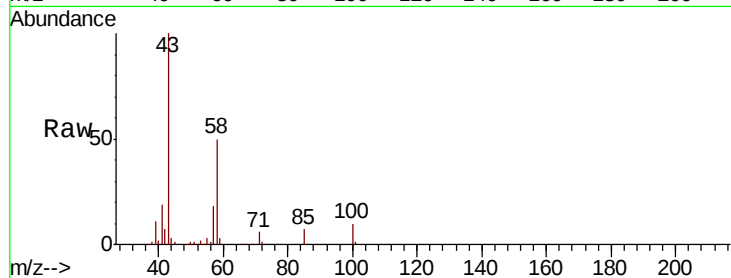




#59
2-Hexanone
Concen: 82.526 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

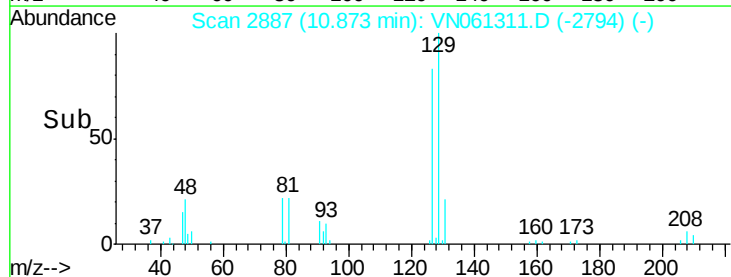
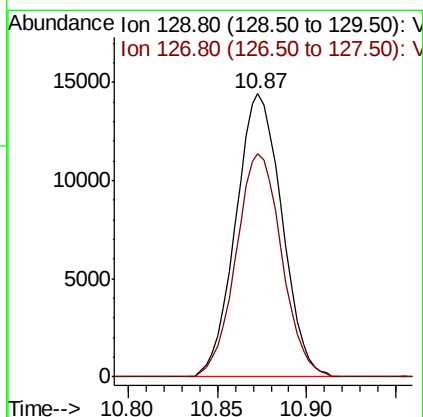
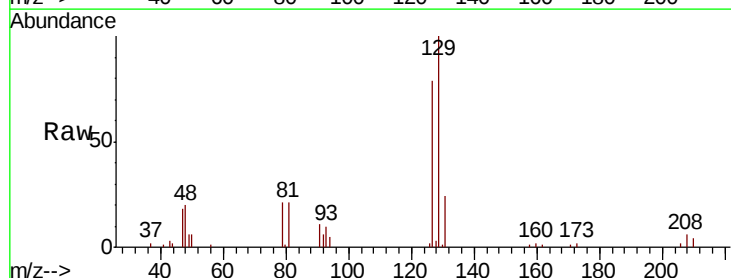
Instrument :
MSVOA_N
ClientSampled :

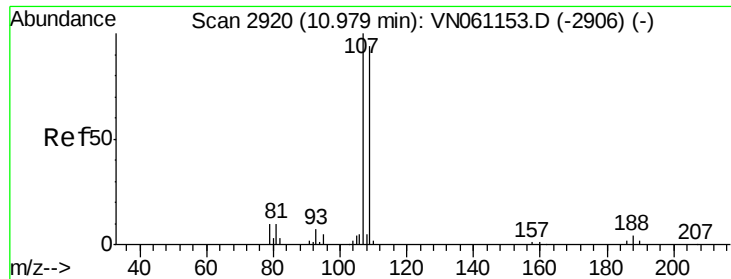
Tot Ion: 43 Resp: 136464
Ion Ratio Lower Upper
43 100
58 49.8 25.4 76.4



#60
Dibromochloromethane
Concen: 17.475 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 129 Resp: 26000
Ion Ratio Lower Upper
129 100
127 78.1 39.3 117.8

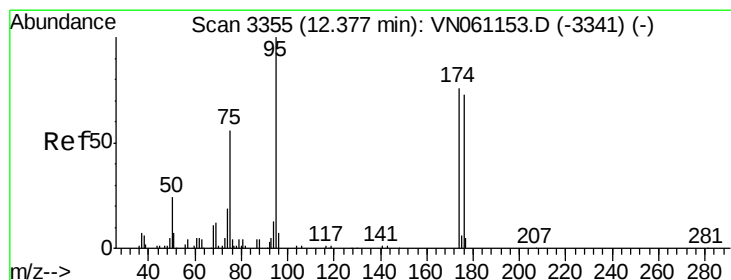
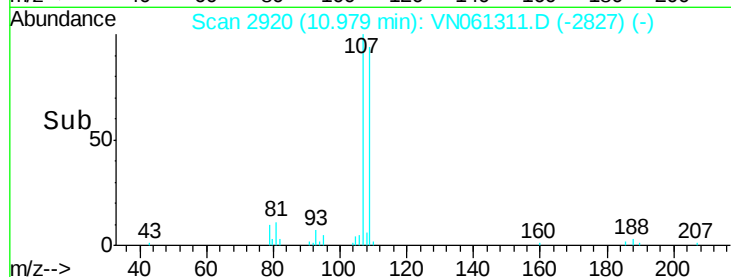
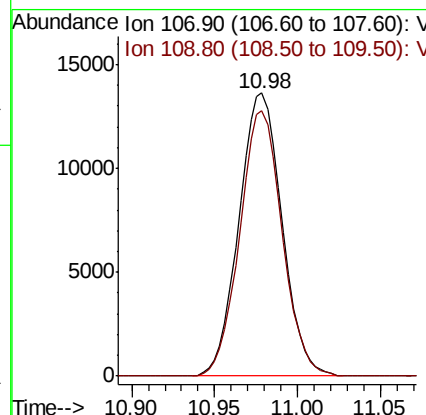
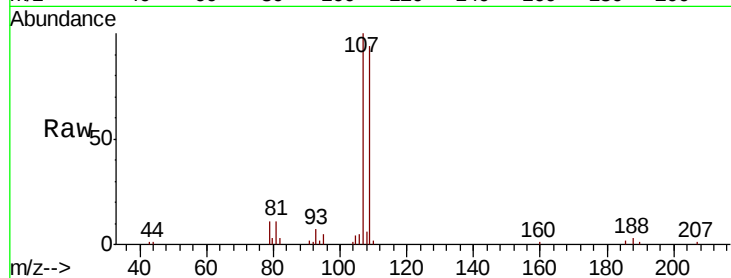




#61
 1,2-Dibromoethane
 Concen: 17.278 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

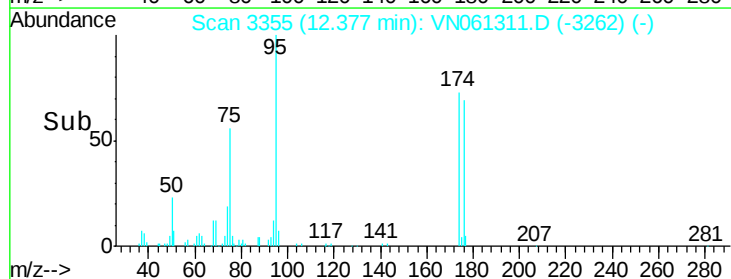
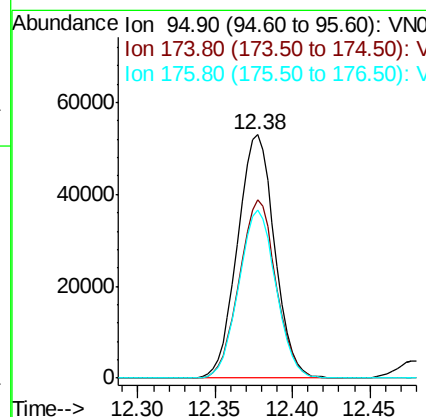
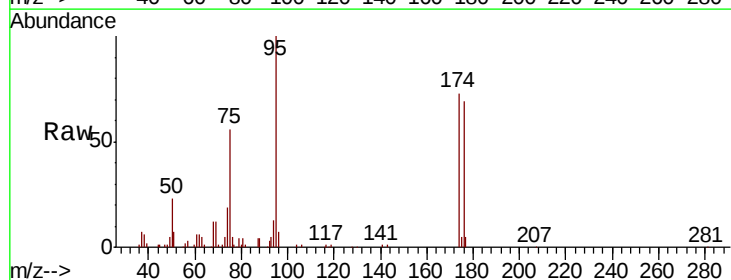
Instrument :
 MSVOA_N
 ClientSampleId :

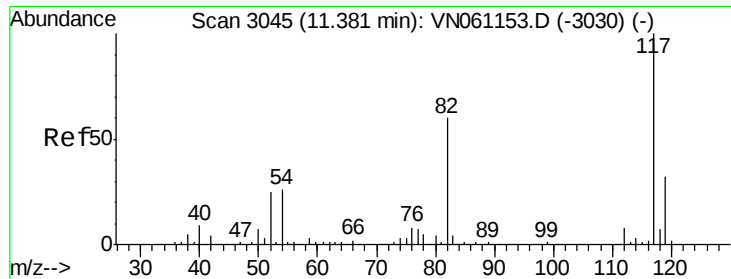
Tot Ion:107 Resp: 24601
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 49.108 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 95 Resp: 88319
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 149.4
 176 69.3 0.0 144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

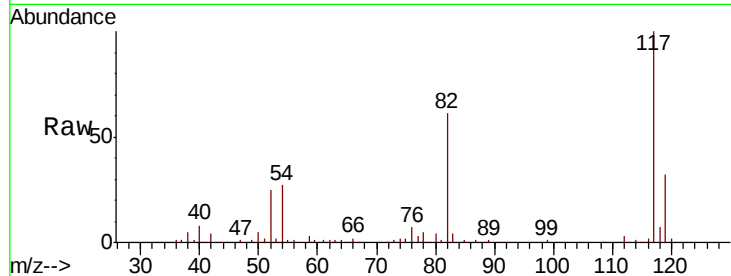
Tot Ion:117 Resp: 183203

Ion Ratio Lower Upper

117 100

82 60.6 47.8 71.8

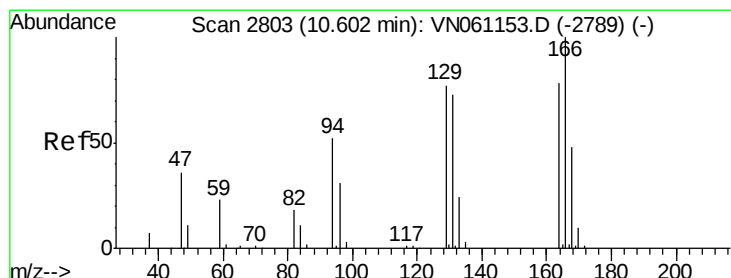
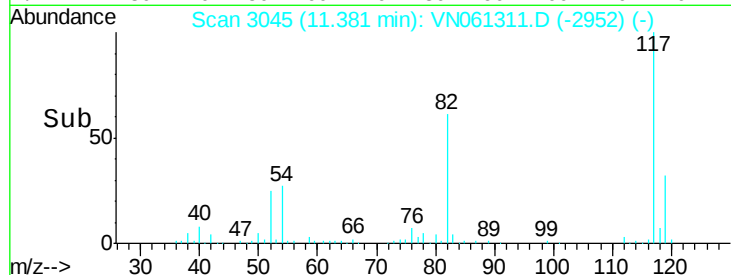
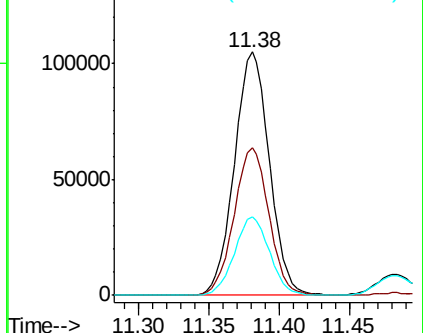
119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 15.596 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:164 Resp: 24746

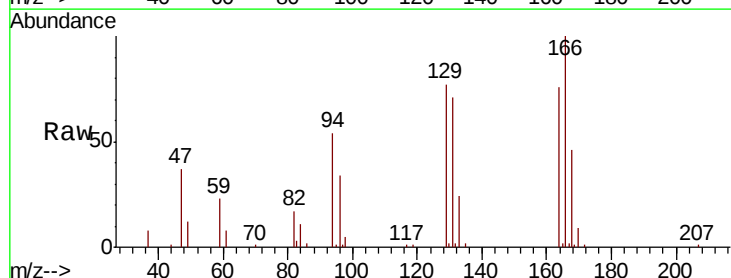
Ion Ratio Lower Upper

164 100

166 132.4 102.0 153.0

129 101.9 78.2 117.2

131 94.3 74.5 111.7

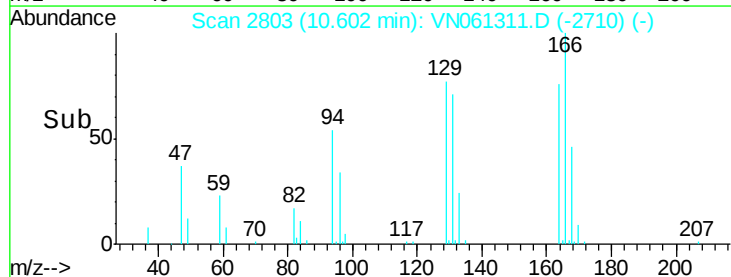
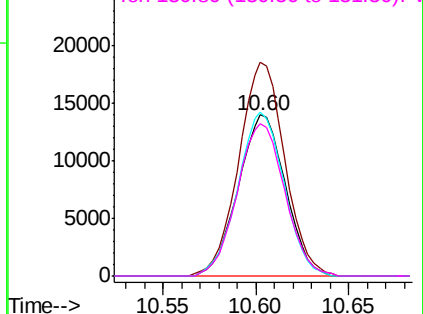


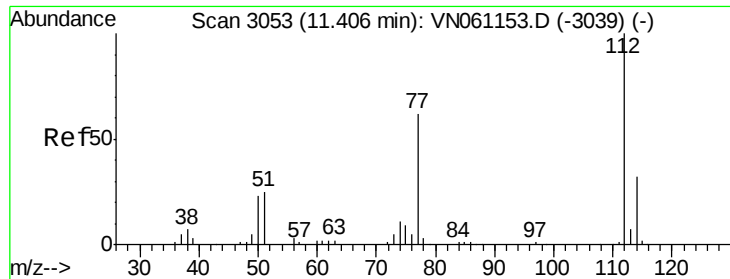
Abundance Ion 163.80 (163.50 to 164.50): V

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

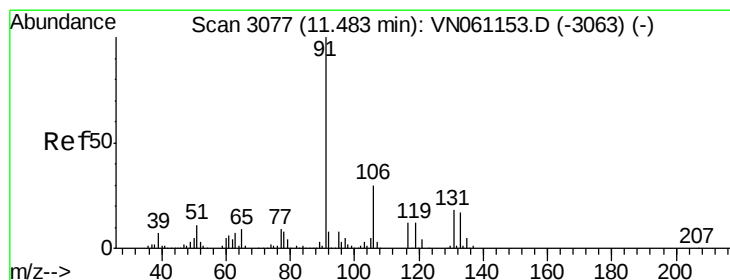
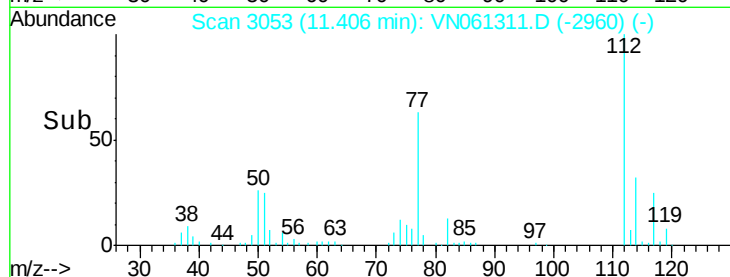
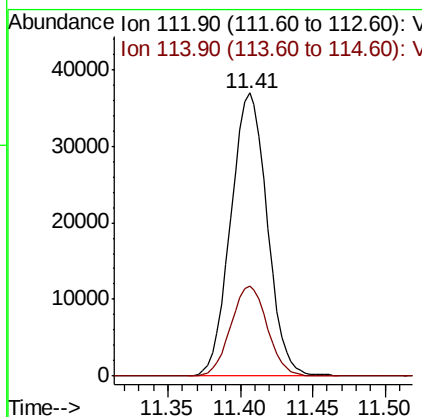
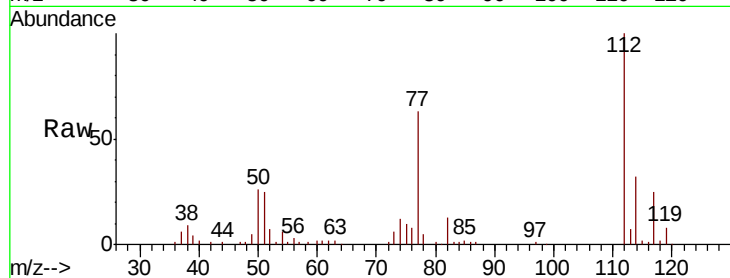




#65
Chlorobenzene
Concen: 17.714 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

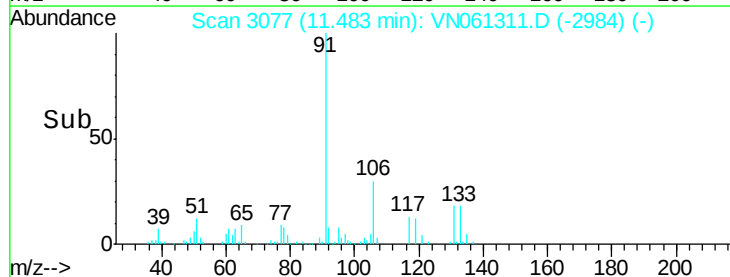
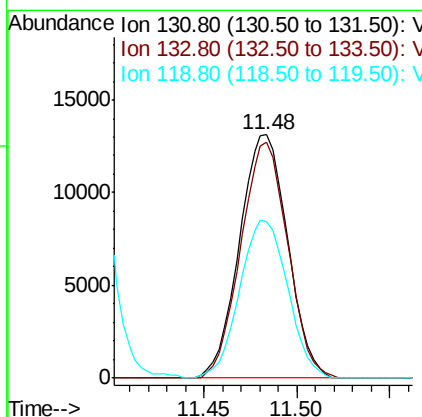
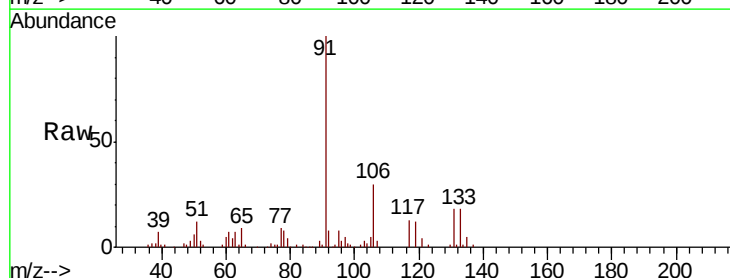
Instrument :
MSVOA_N
ClientSampleId :

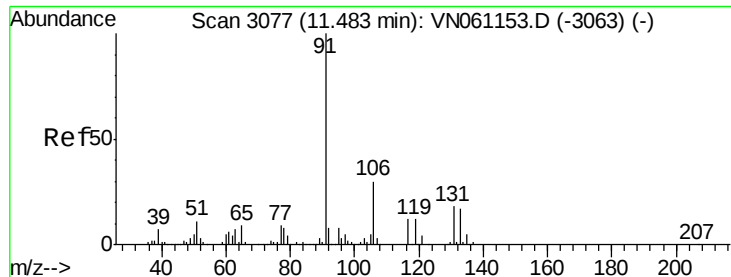
Tot Ion:112 Resp: 64375
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 18.226 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion:131 Resp: 23707
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.2
119 64.6 32.6 97.8





#67

Ethyl Benzene

Concen: 17.519 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

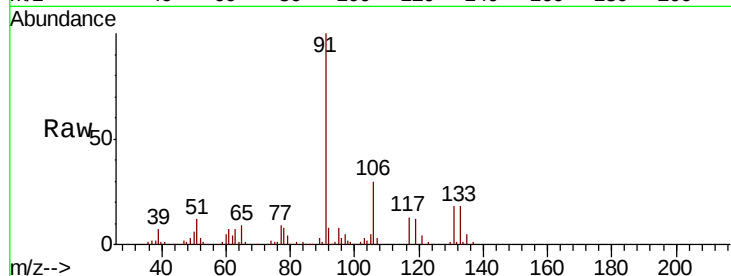
ClientSampled :

Tot Ion: 91 Resp: 119186

Ion Ratio Lower Upper

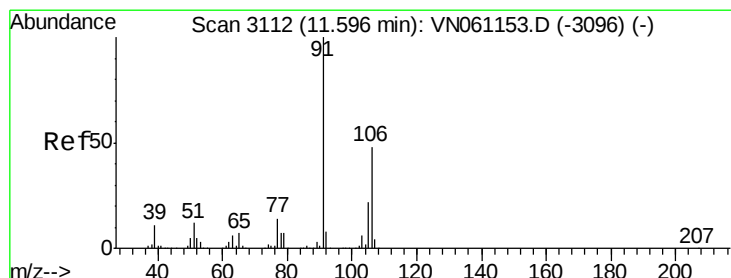
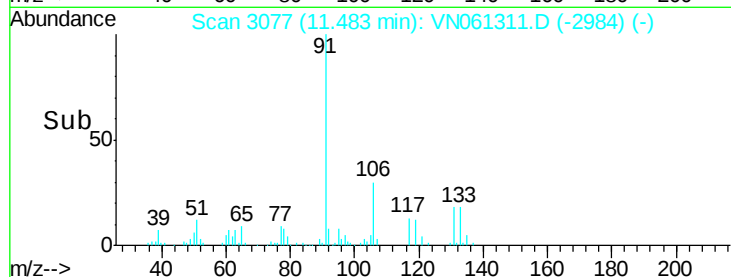
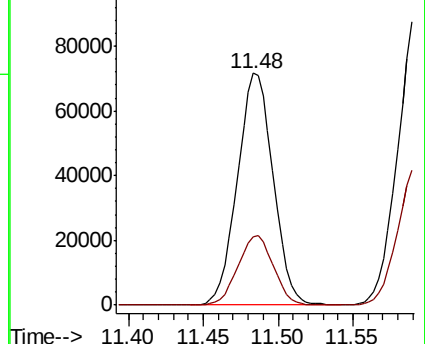
91 100

106 29.6 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN061311.D (-2984) (-)

Ion 106.00 (105.70 to 106.70): VN061311.D (-2984) (-)



#68

m/p-Xylenes

Concen: 34.721 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061311.D

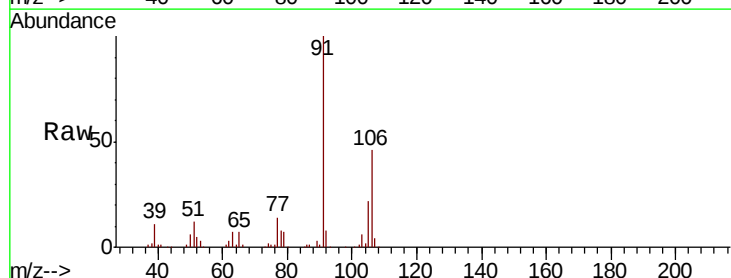
Acq: 6 May 2020 15:49

Tgt Ion: 106 Resp: 86459

Ion Ratio Lower Upper

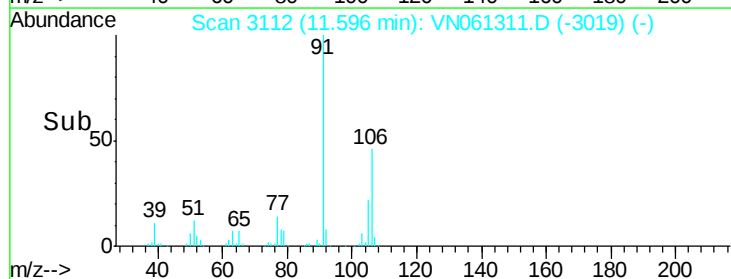
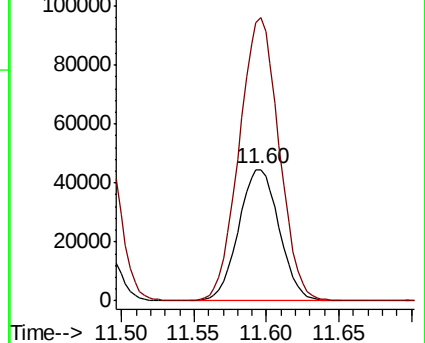
106 100

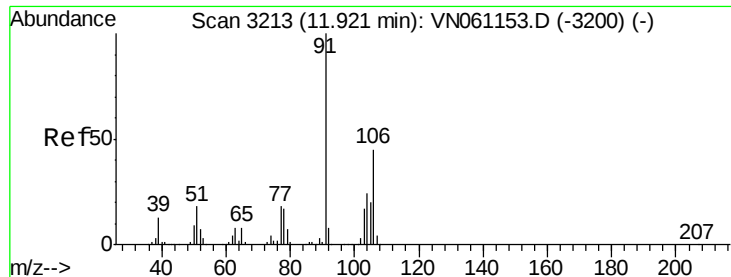
91 212.6 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061311.D (-3019) (-)

Ion 91.00 (90.70 to 91.70): VN061311.D (-3019) (-)

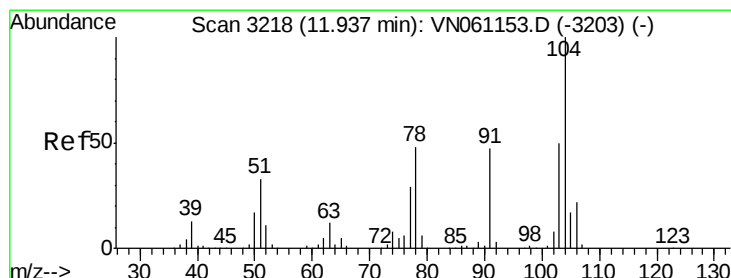
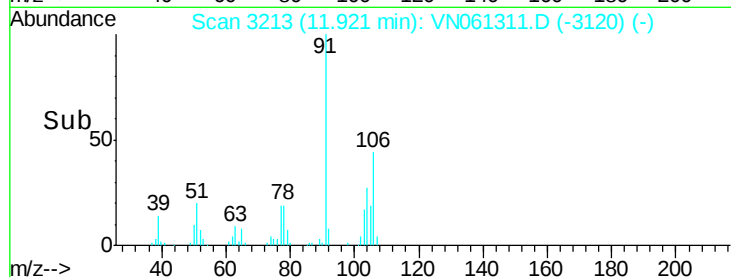
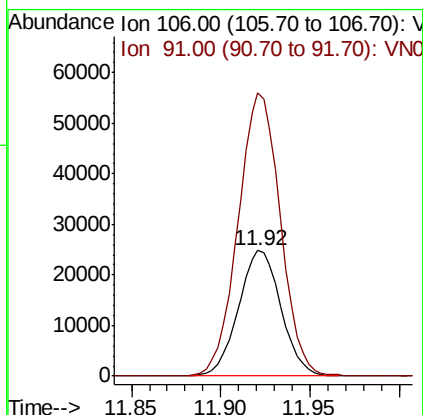
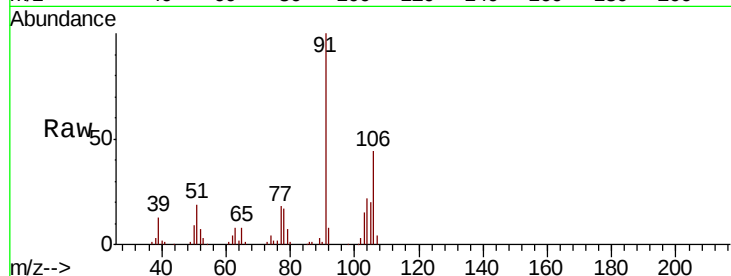




#69
o-Xylene
Concen: 17.165 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

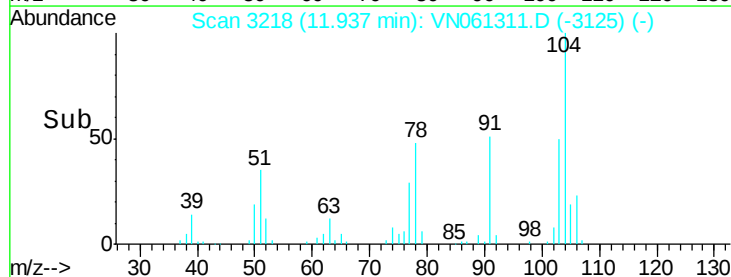
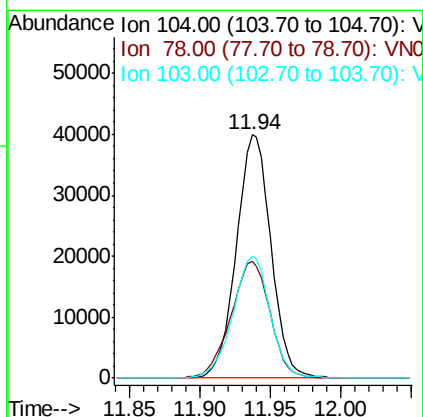
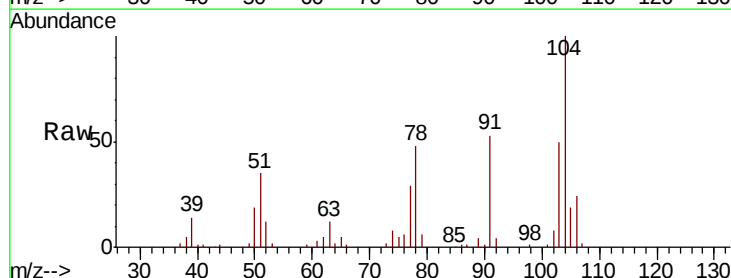
Instrument :
MSVOA_N
ClientSampled :

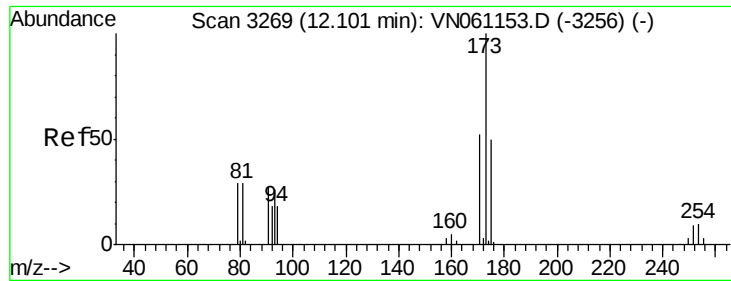
Tot Ion:106 Resp: 41058
Ion Ratio Lower Upper
106 100
91 224.5 109.7 329.0



#70
Styrene
Concen: 17.169 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion:104 Resp: 68735
Ion Ratio Lower Upper
104 100
78 53.9 42.1 63.1
103 53.9 43.3 64.9

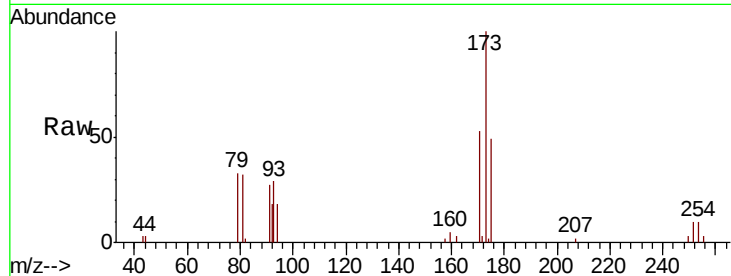




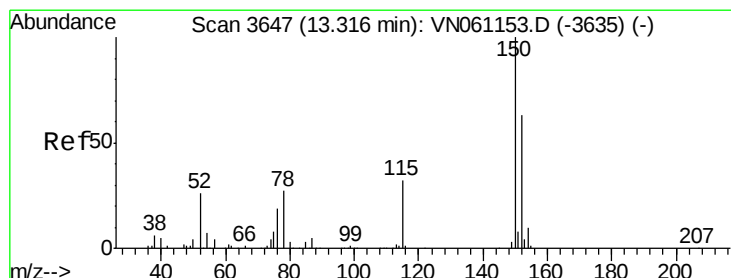
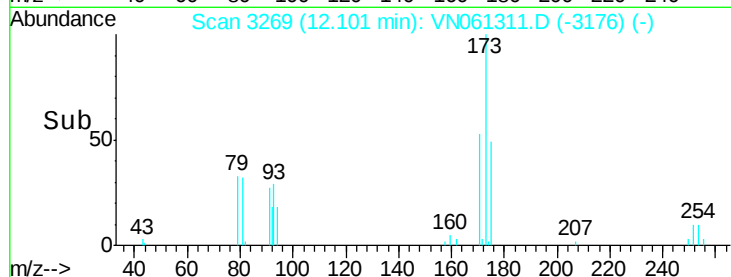
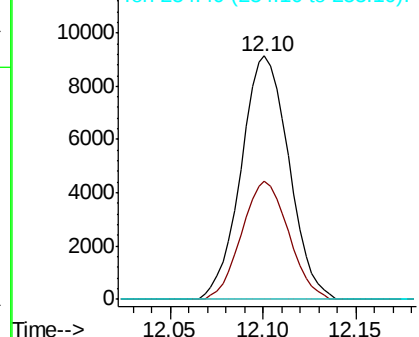
#71
Bromoform
Concen: 17.150 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 16394
Ion Ratio Lower Upper
173 100
175 47.6 24.1 72.4
254 0.0 0.0 0.0

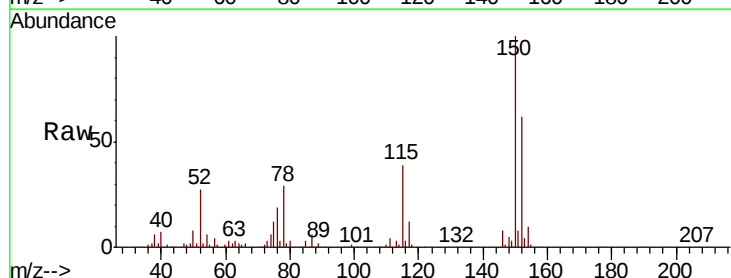


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

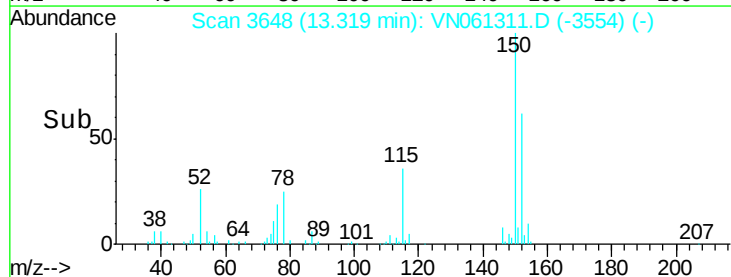
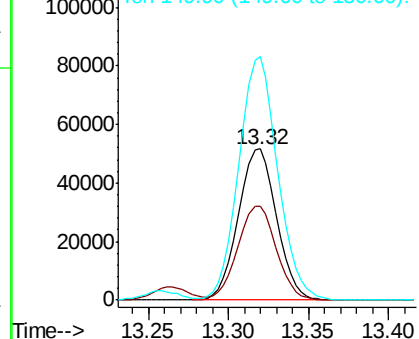


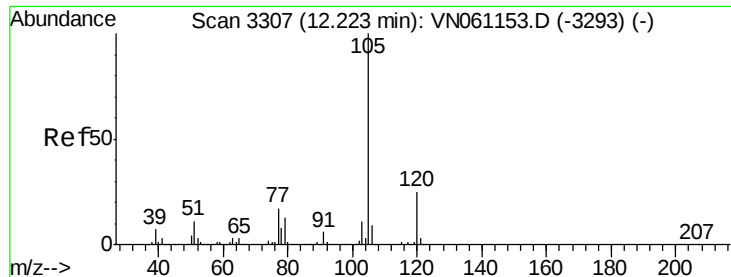
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion:152 Resp: 84102
Ion Ratio Lower Upper
152 100
115 62.5 31.0 93.0
150 164.1 0.0 351.8



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: 18.279 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

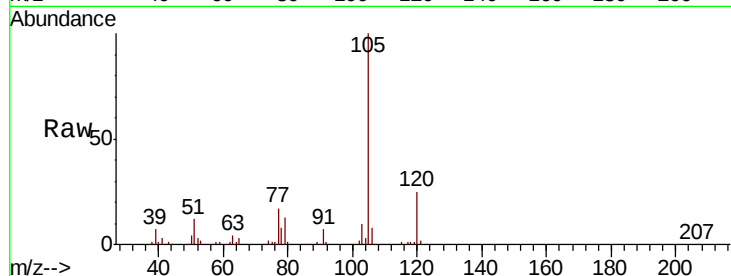
ClientSampleId :

Tot Ion:105 Resp: 113012

Ion Ratio Lower Upper

105 100

120 25.3 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

80000

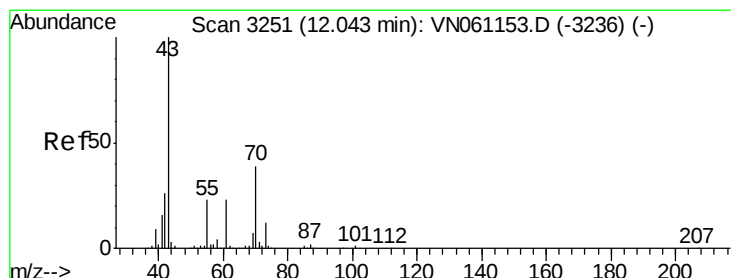
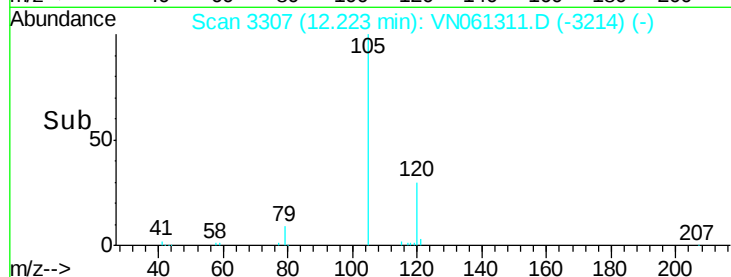
60000

40000

20000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 16.857 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion: 43 Resp: 52776

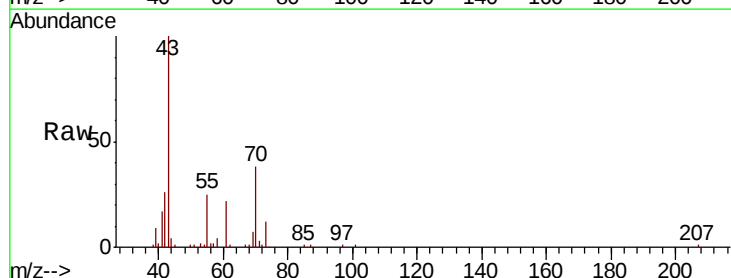
Ion Ratio Lower Upper

43 100

70 37.1 30.6 46.0

55 24.2 18.5 27.7

61 21.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

50000

40000

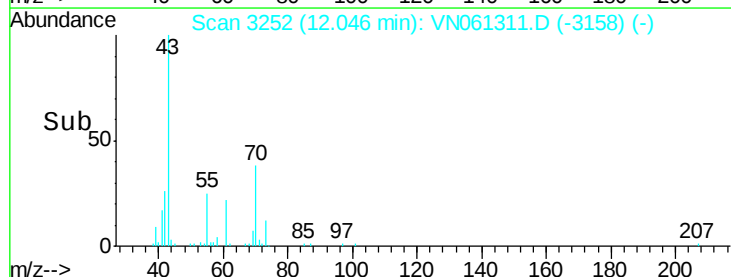
30000

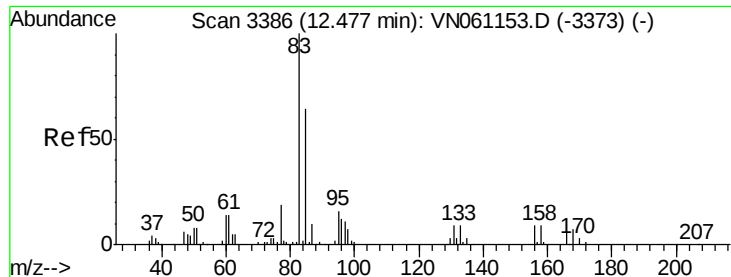
20000

10000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 18.545 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

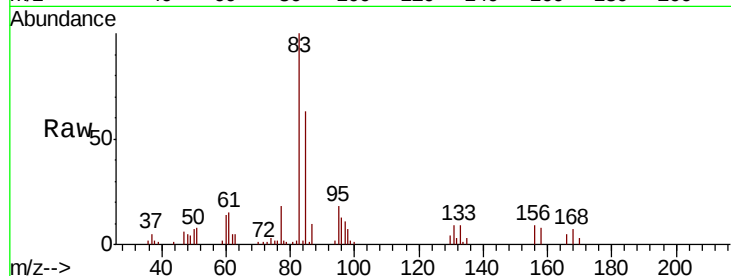
Tot Ion: 83 Resp: 35752

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

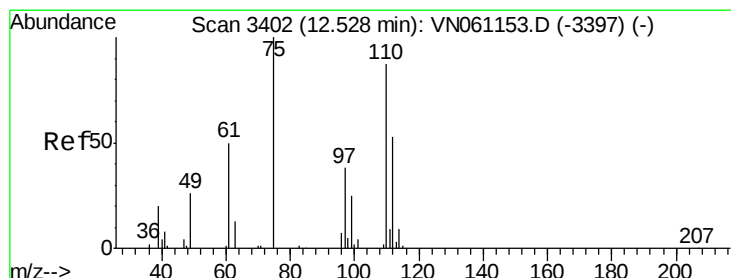
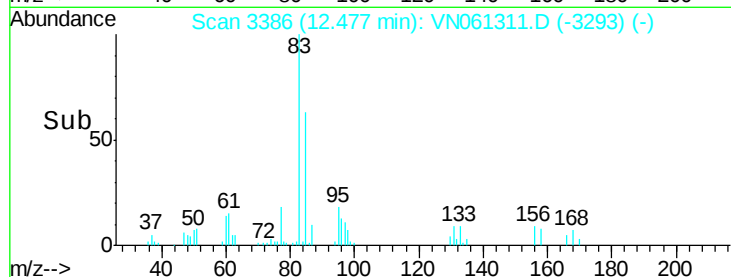
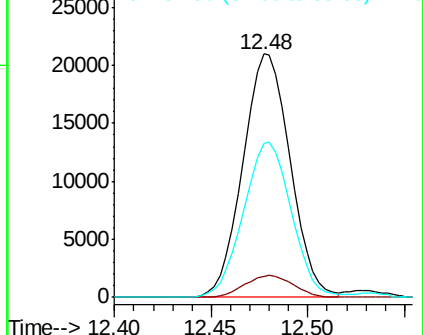
85 64.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.197 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN061311.D

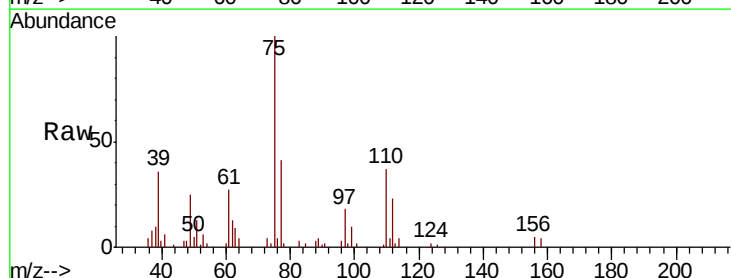
Acq: 6 May 2020 15:49

Tgt Ion: 75 Resp: 48223

Ion Ratio Lower Upper

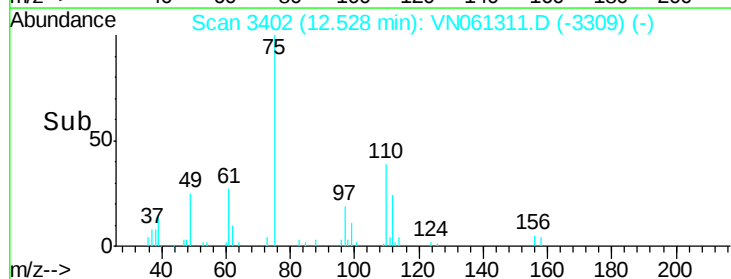
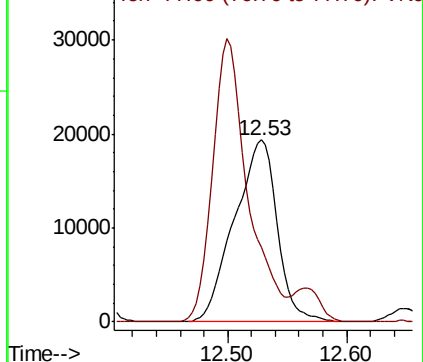
75 100

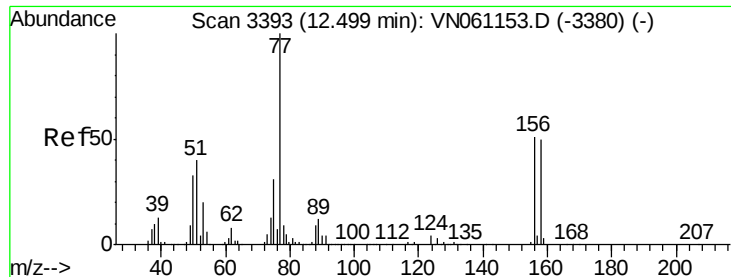
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.104 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

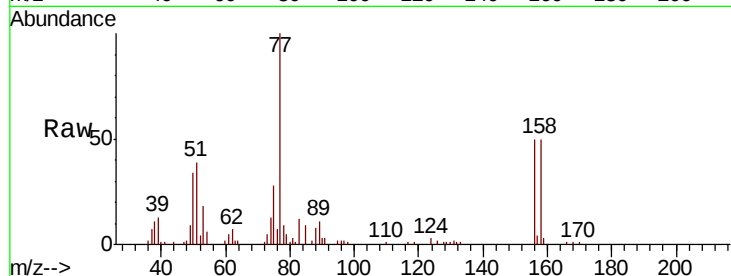
Tot Ion:156 Resp: 25839

Ion Ratio Lower Upper

156 100

77 239.7 117.4 352.2

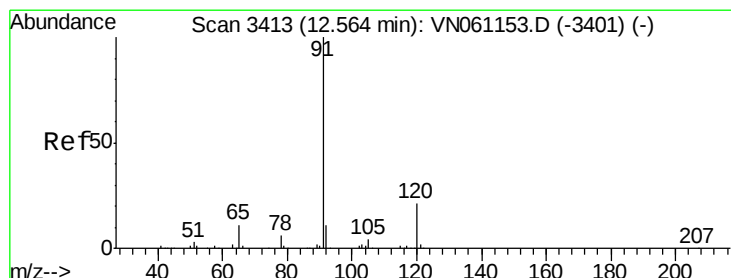
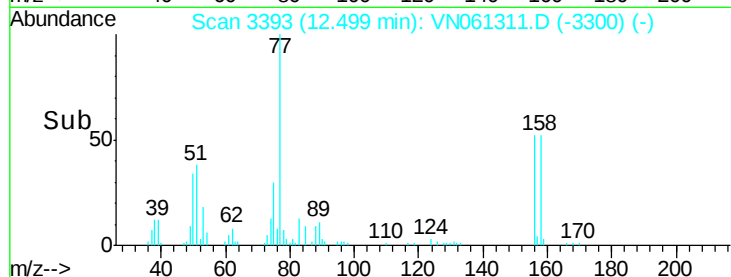
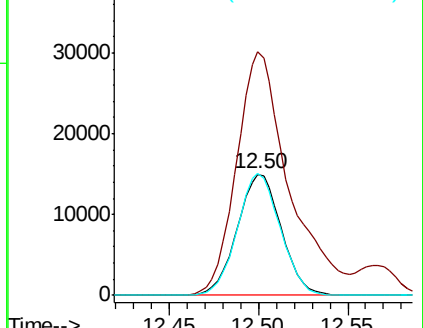
158 98.1 48.4 145.0



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: 18.227 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061311.D

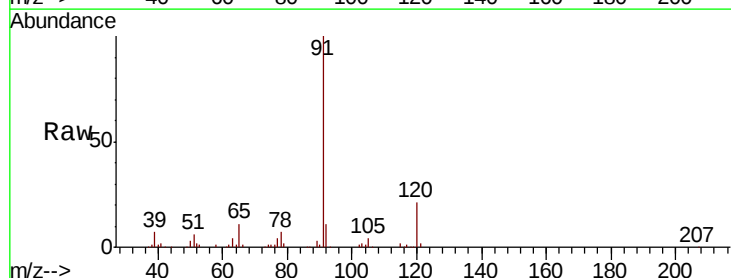
Acq: 6 May 2020 15:49

Tgt Ion: 91 Resp: 133666

Ion Ratio Lower Upper

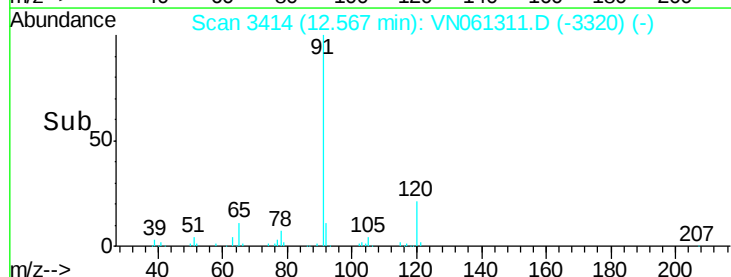
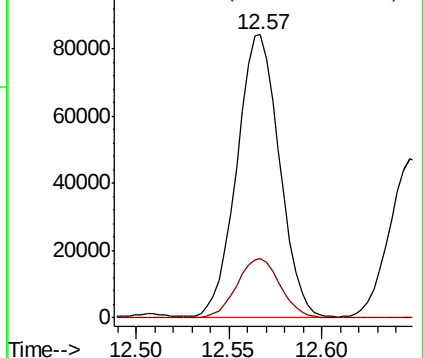
91 100

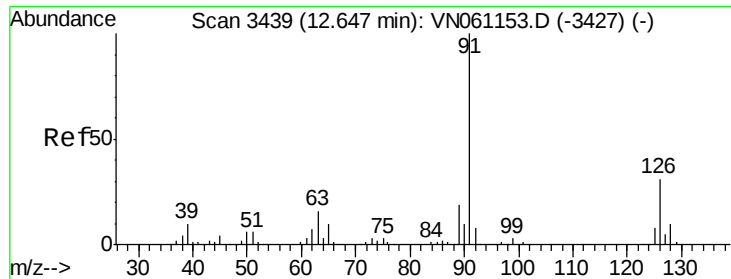
120 21.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

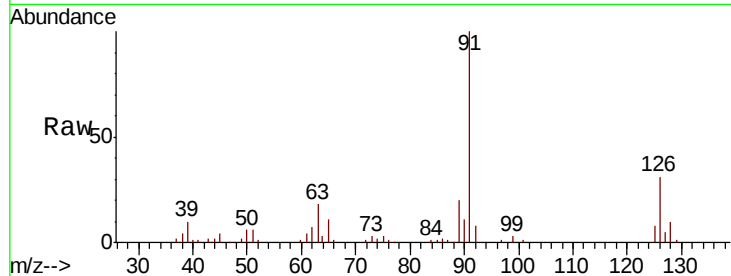




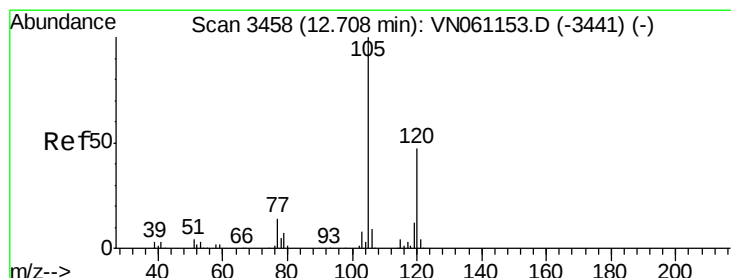
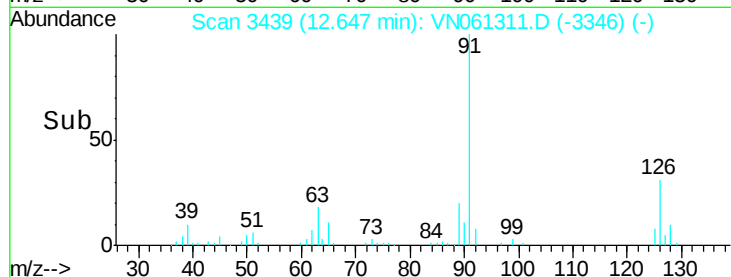
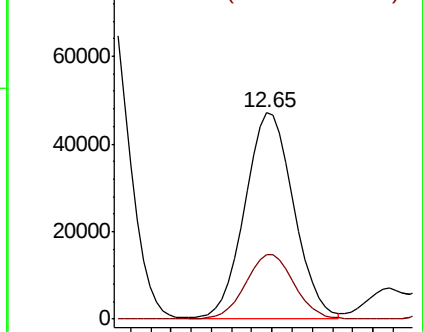
#79
 2-Chlorotoluene
 Concen: 18.347 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 79084
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.9 47.7

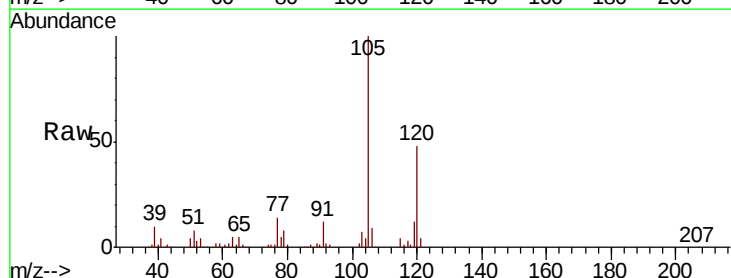


Abundance Ion 91.00 (90.70 to 91.70): VN061311.D (-3346) (-)
 Ion 125.90 (125.60 to 126.60): VN061311.D (-3346) (-)

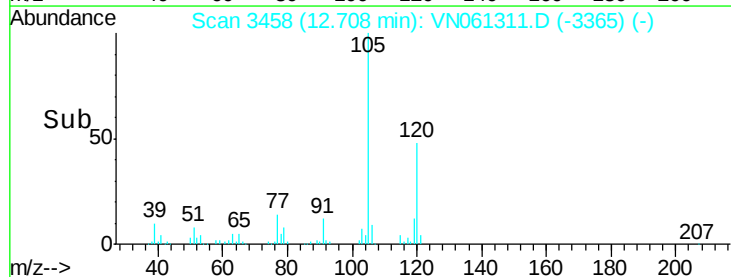
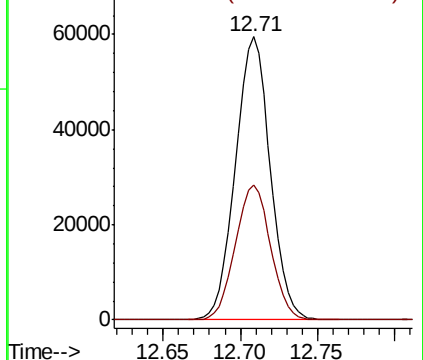


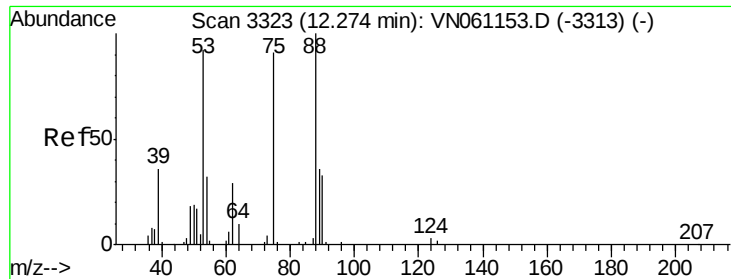
#80
 1,3,5-Trimethylbenzene
 Concen: 18.140 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 105 Resp: 92826
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061311.D (-3365) (-)
 Ion 120.00 (119.70 to 120.70): VN061311.D (-3365) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.089 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

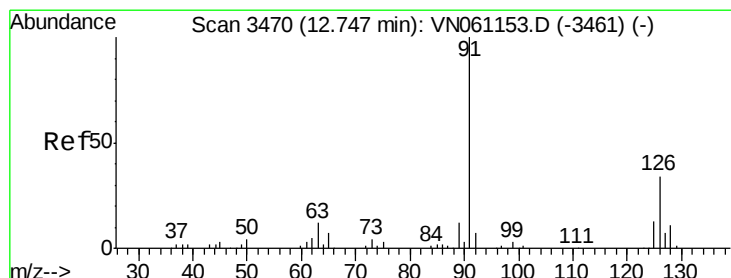
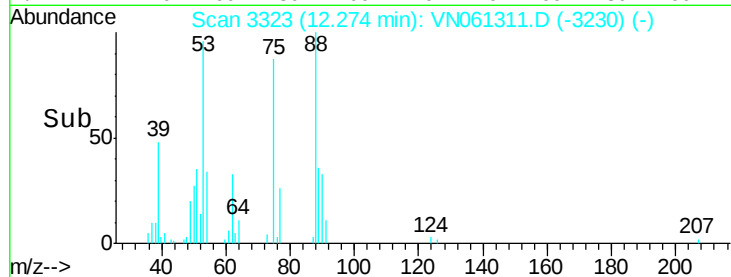
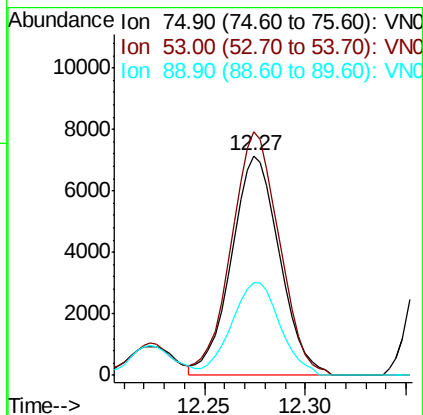
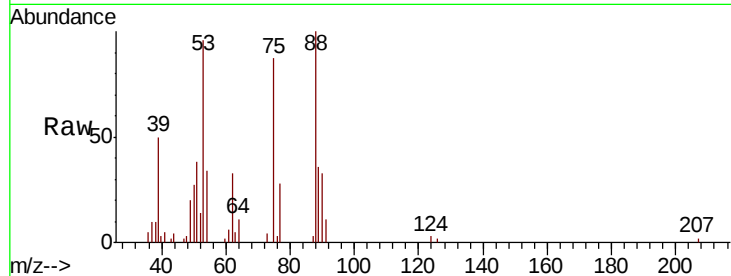
Tot Ion: 75 Resp: 11932

Ion Ratio Lower Upper

75 100

53 110.6 84.1 126.1

89 42.9 35.2 52.8



#82

4-Chlorotoluene

Concen: 18.470 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. -0.00 min

Lab File: VN061311.D

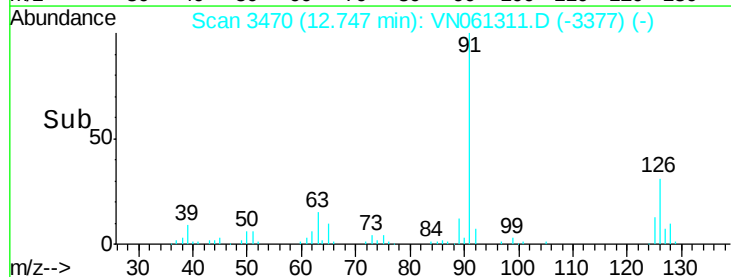
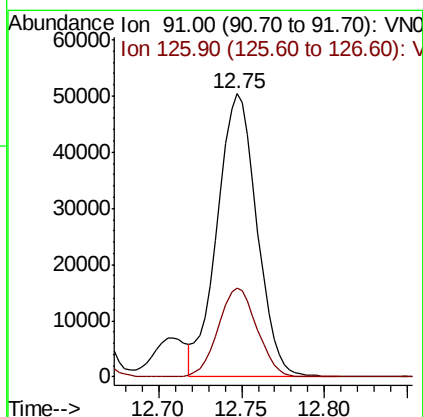
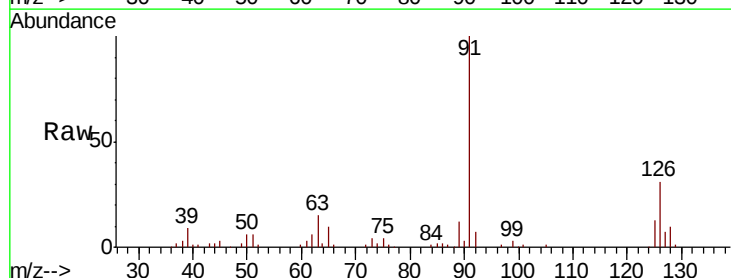
Acq: 6 May 2020 15:49

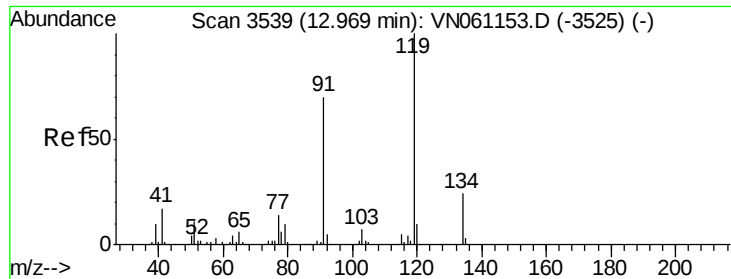
Tgt Ion: 91 Resp: 83911

Ion Ratio Lower Upper

91 100

126 30.7 15.7 47.1

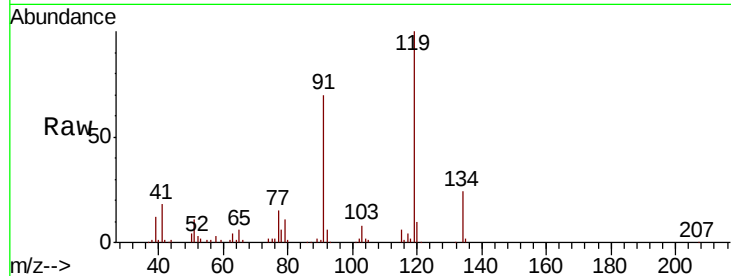




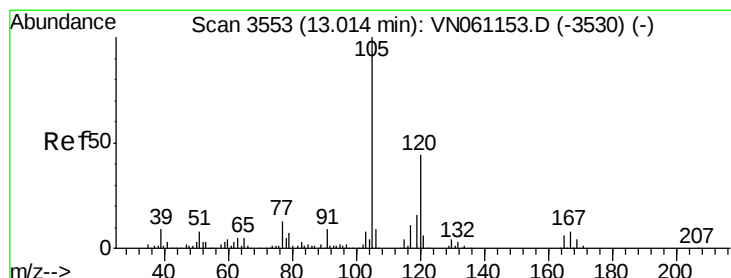
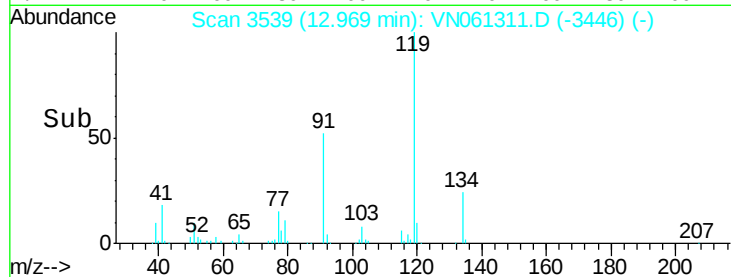
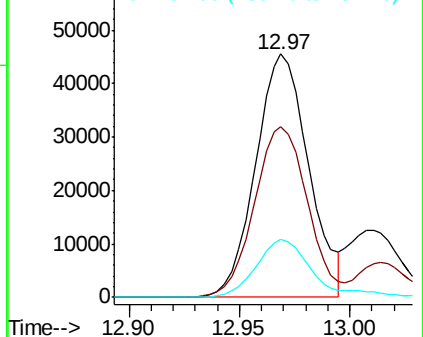
#83
tert-Butylbenzene
Concen: 17.522 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 75605
Ion Ratio Lower Upper
119 100
91 70.4 34.8 104.4
134 25.5 12.9 38.7

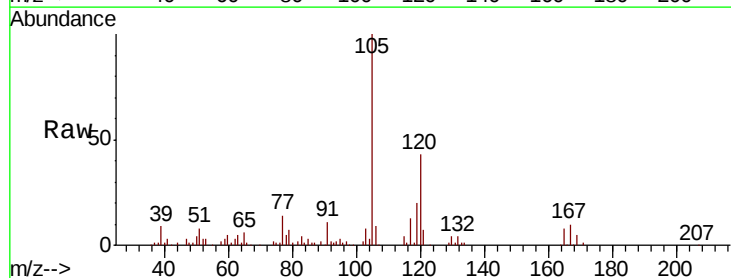


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

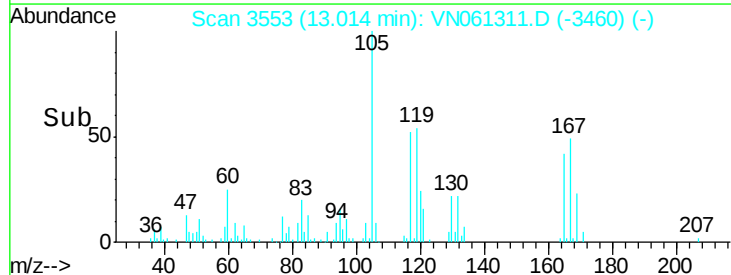
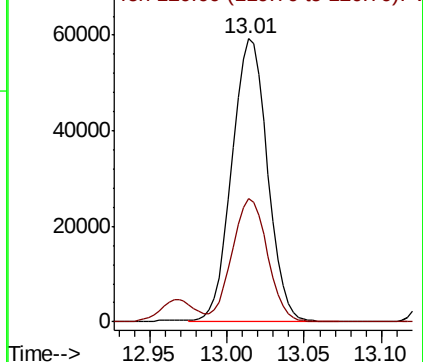


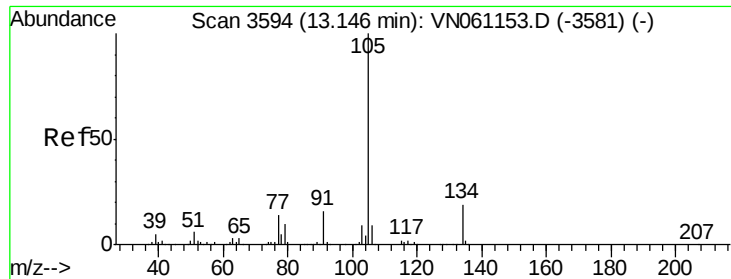
#84
1,2,4-Trimethylbenzene
Concen: 17.965 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion:105 Resp: 94714
Ion Ratio Lower Upper
105 100
120 43.6 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.168 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

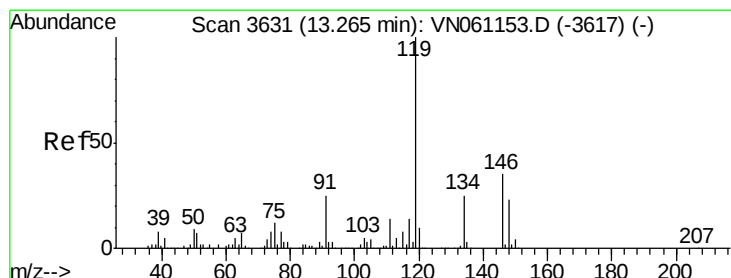
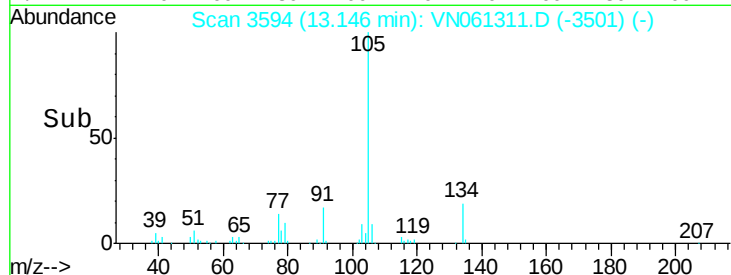
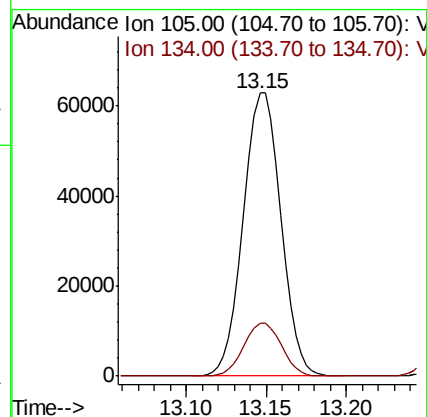
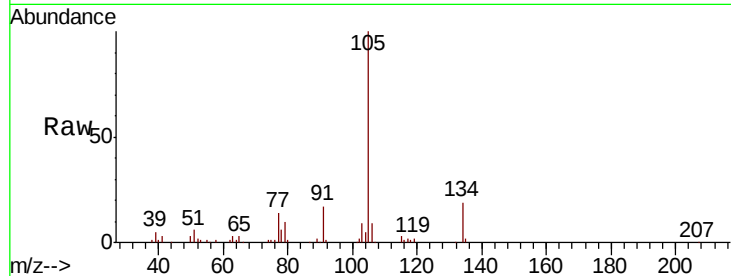
ClientSampleId :

Tot Ion:105 Resp: 100996

Ion Ratio Lower Upper

105 100

134 18.7 9.6 28.8



#86

p-Isopropyltoluene

Concen: 17.050 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

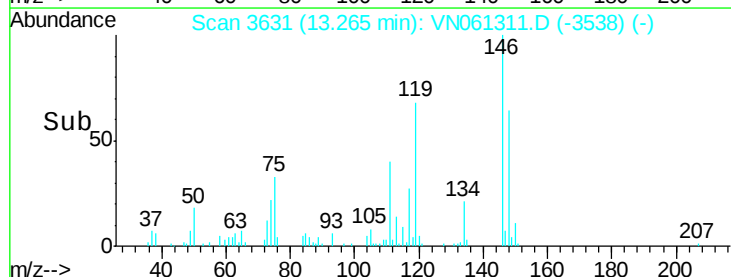
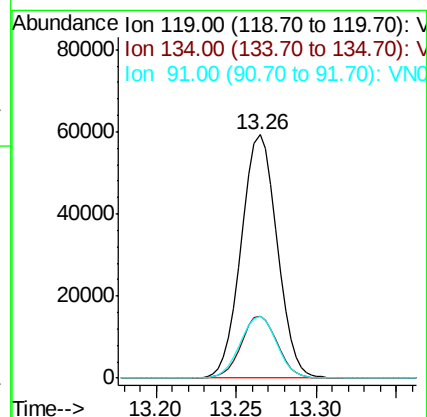
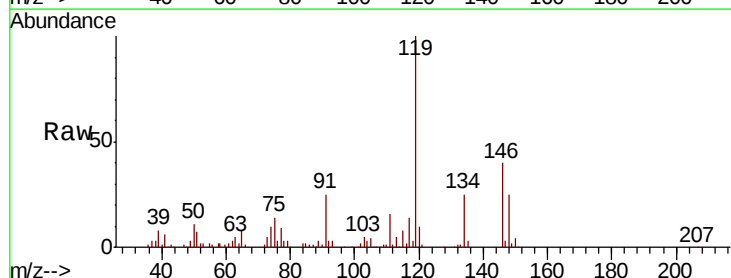
Tgt Ion:119 Resp: 90368

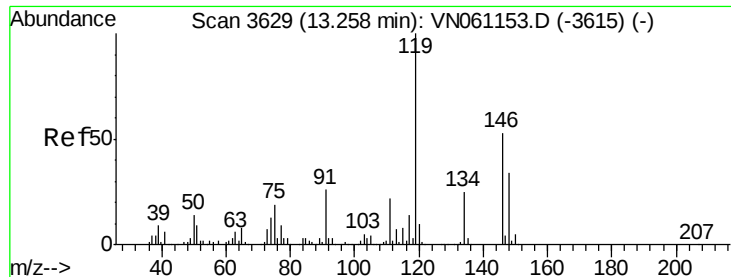
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

91 25.7 12.7 38.0

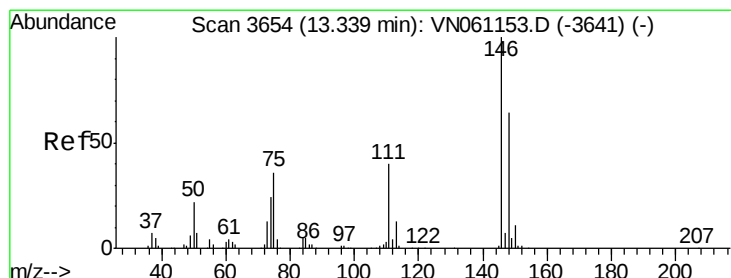
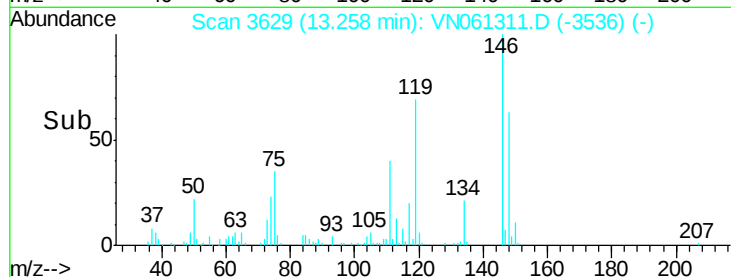
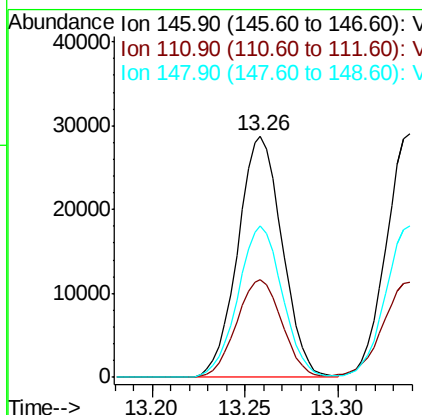
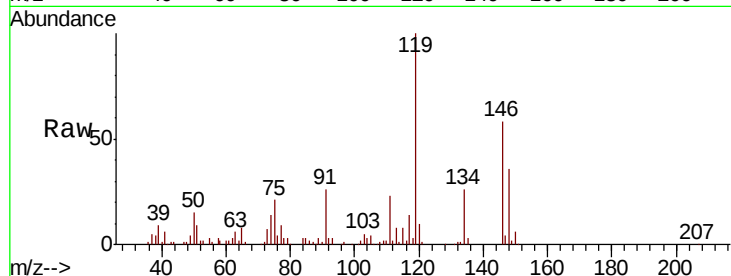




#87
 1,3-Dichlorobenzene
 Concen: 18.129 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

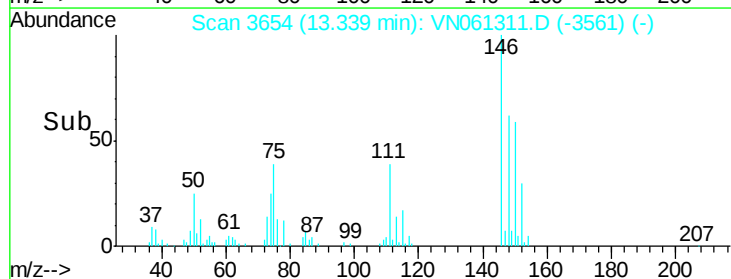
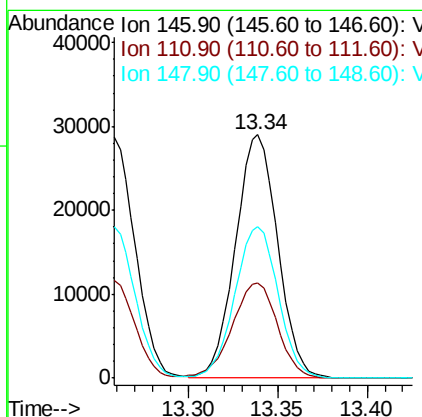
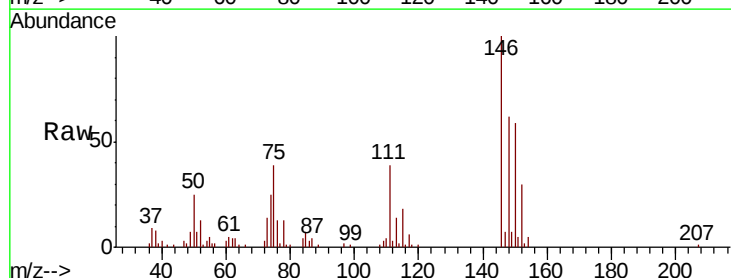
Instrument :
 MSVOA_N
 ClientSampleId :

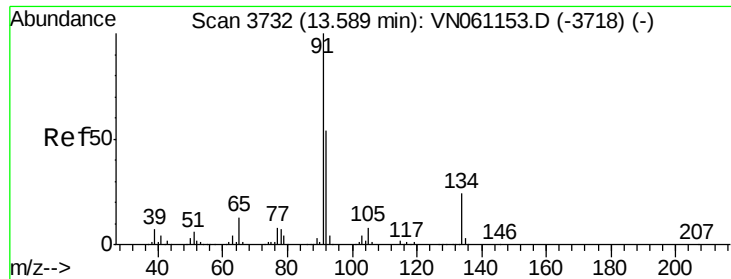
Tot Ion:146 Resp: 47634
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.7 62.1
 148 63.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 17.772 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion:146 Resp: 47711
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.4 61.3
 148 63.7 31.9 95.7

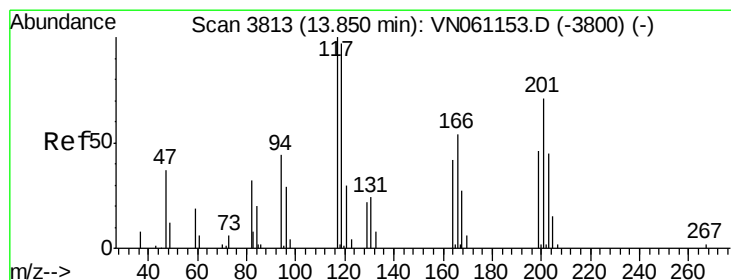
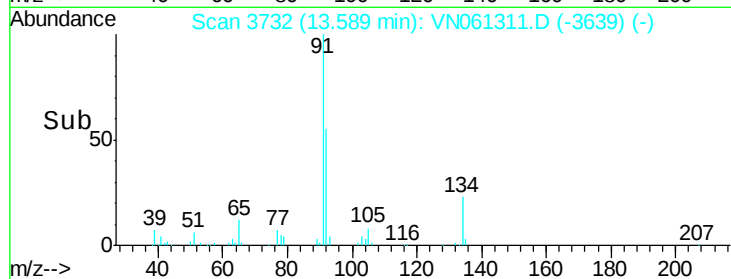
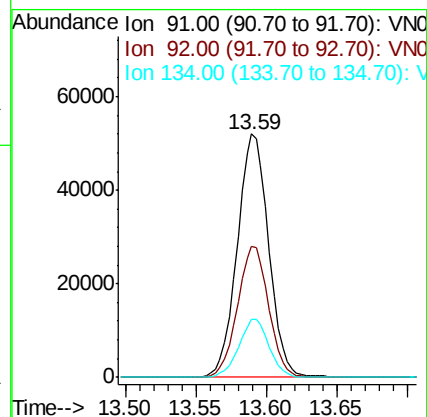
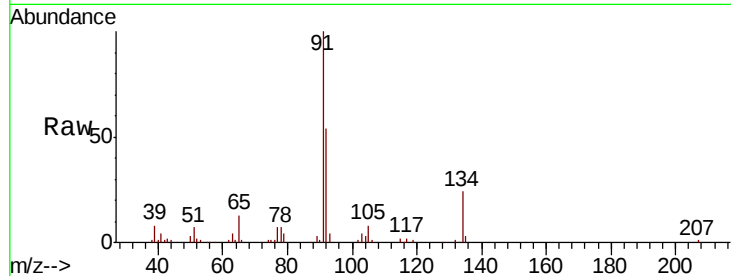




#89
n-Butylbenzene
Concen: 16.692 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

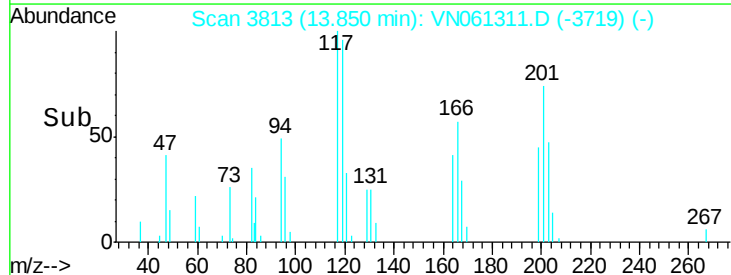
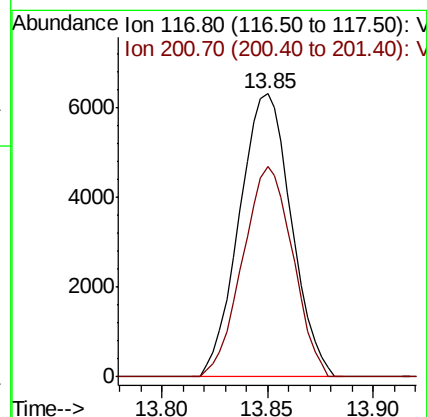
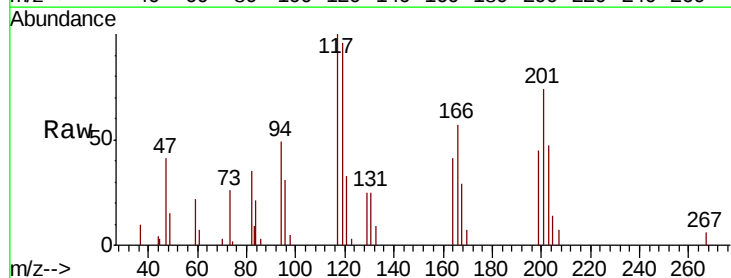
Instrument :
MSVOA_N
ClientSampleId :

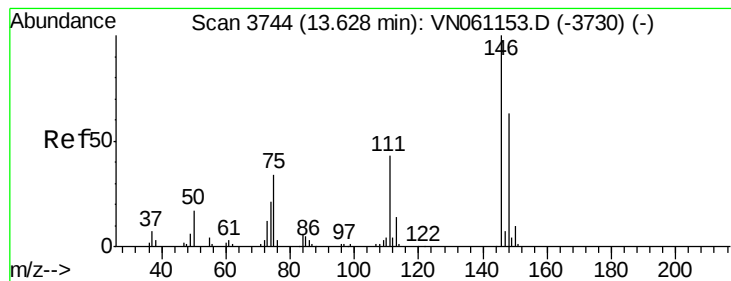
Tot Ion: 91 Resp: 81108
Ion Ratio Lower Upper
91 100
92 53.4 26.8 80.3
134 23.0 11.9 35.5



#90
Hexachloroethane
Concen: 24.241 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 117 Resp: 10839
Ion Ratio Lower Upper
117 100
201 71.4 35.5 106.7





#91

1,2-Dichlorobenzene

Concen: 17.915 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

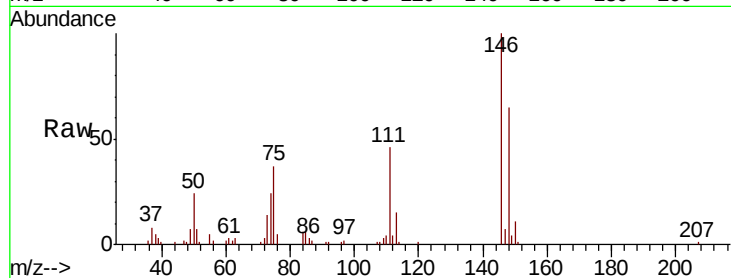
Tot Ion:146 Resp: 45133

Ion Ratio Lower Upper

146 100

111 45.0 21.8 65.3

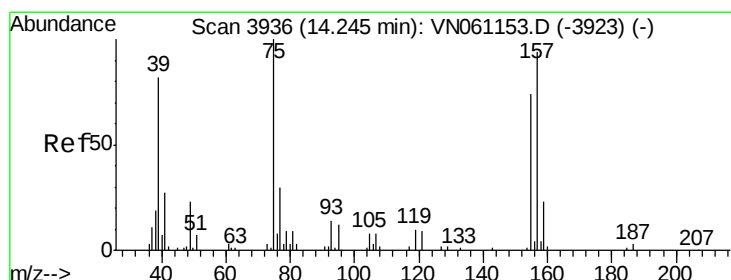
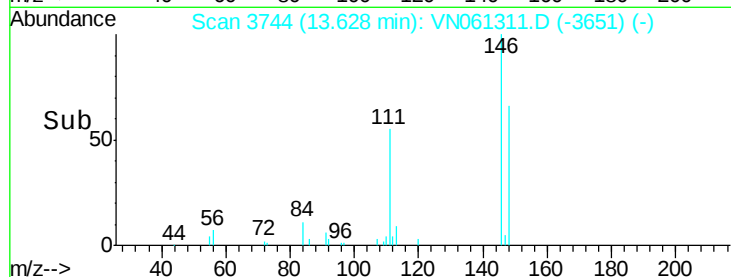
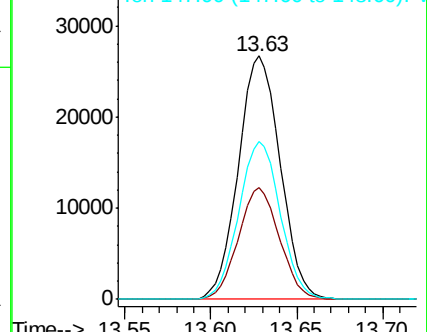
148 64.2 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.325 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

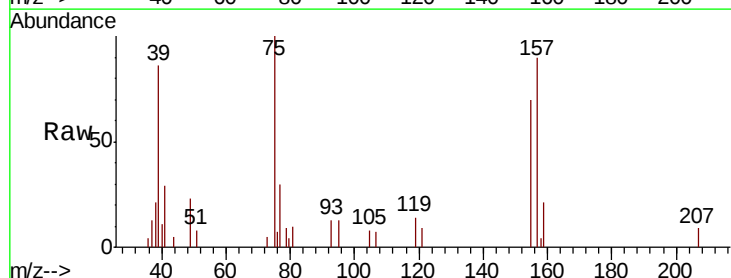
Tgt Ion: 75 Resp: 7054

Ion Ratio Lower Upper

75 100

155 67.8 36.5 109.7

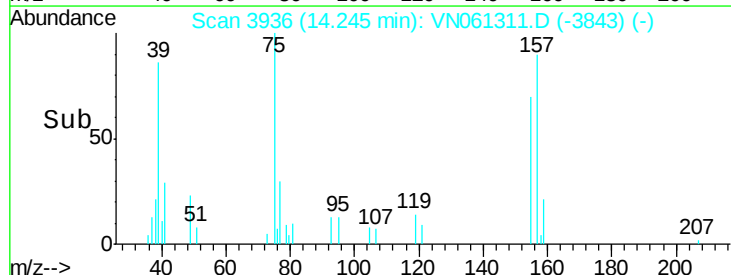
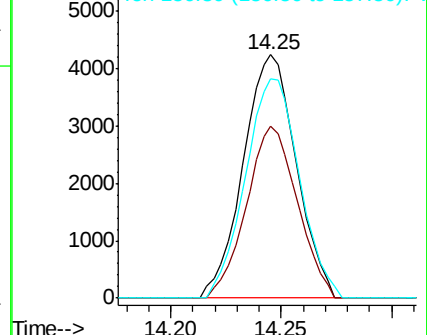
157 91.7 46.6 139.7

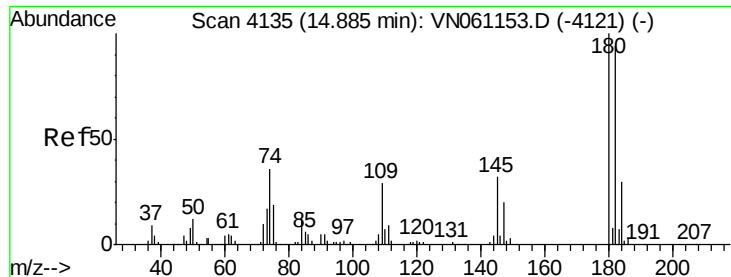


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

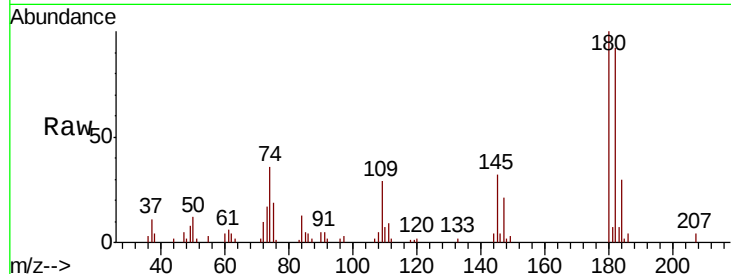




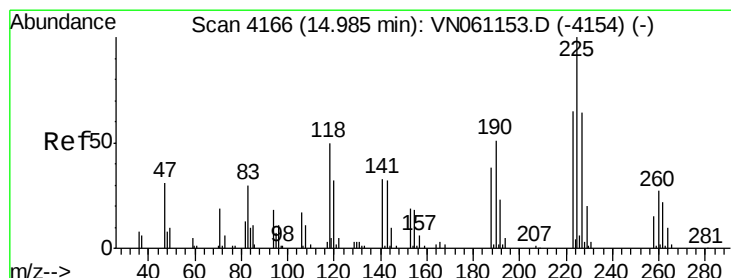
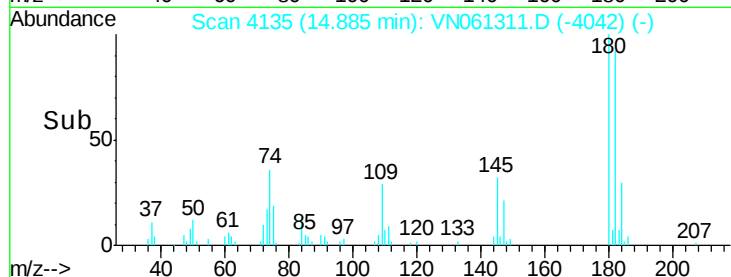
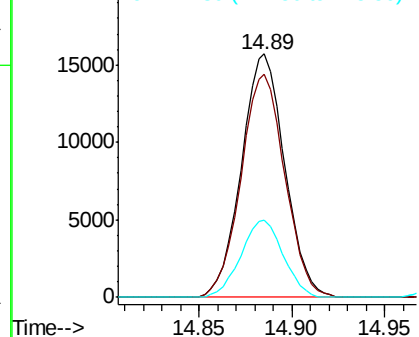
#93
 1,2,4-Trichlorobenzene
 Concen: 16.548 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	141.9
145	31.0	16.0	47.9

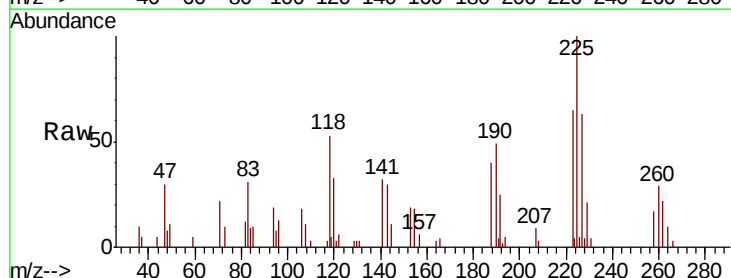


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

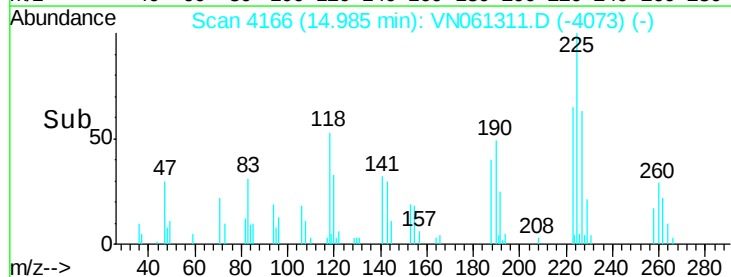
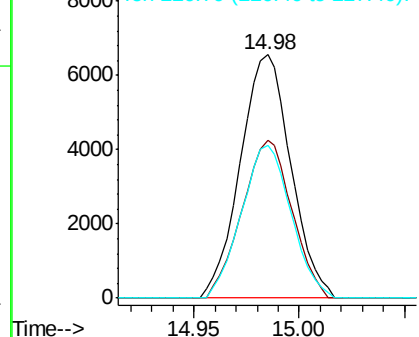


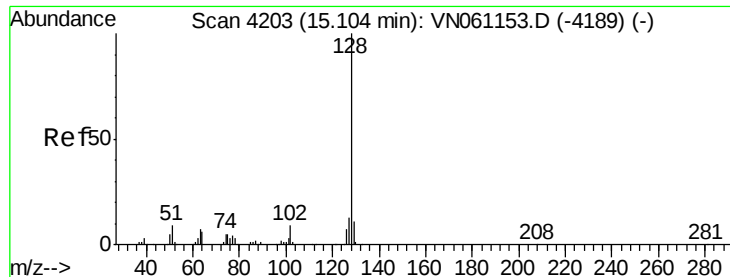
#94
 Hexachlorobutadiene
 Concen: 17.068 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.4	97.0
227	61.7	32.4	97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.252 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

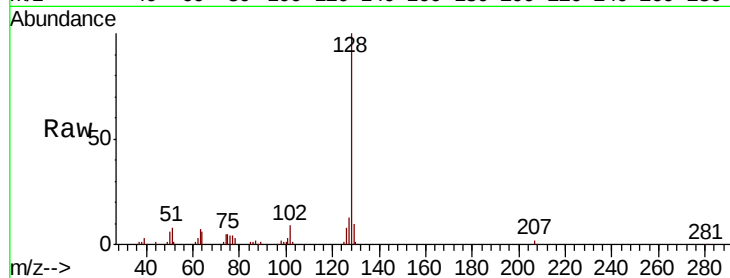
Tot Ion:128 Resp: 76202

Ion Ratio Lower Upper

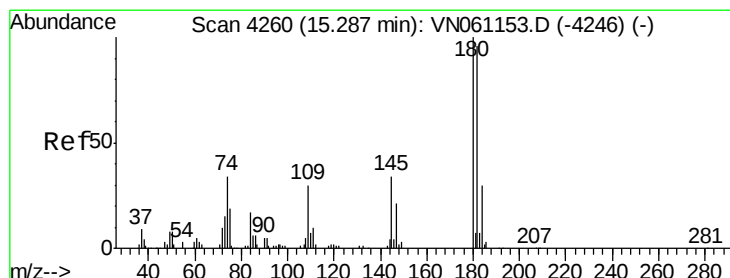
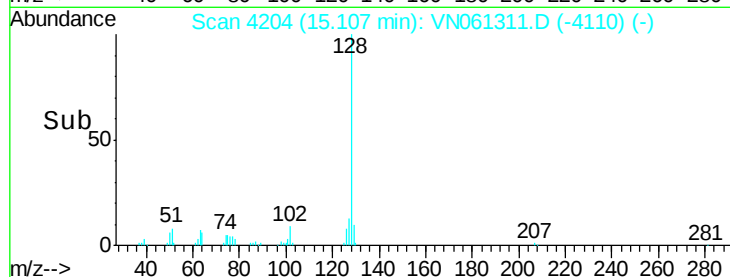
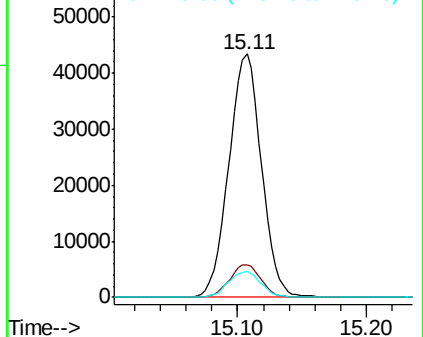
128 100

127 12.9 10.4 15.6

129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.853 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

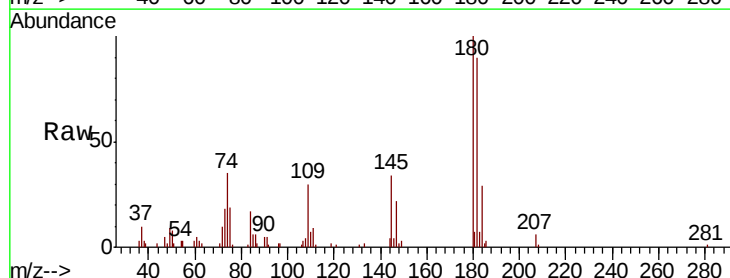
Tgt Ion:180 Resp: 25527

Ion Ratio Lower Upper

180 100

182 91.5 47.5 142.5

145 33.2 16.9 50.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

