

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064921.D
 Acq On : 4 Dec 2020 16:05
 Operator : JC/MD
 Sample : L4954-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6511-120120

Quant Time: Dec 05 01:30:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	190007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	320695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	341479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106308	48.13	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.26%
35) Dibromofluoromethane	7.55	113	97440	50.78	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.56%
50) Toluene-d8	10.06	98	427935	54.58	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.16%
62) 4-Bromofluorobenzene	12.38	95	165804	59.09	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.18%

Target Compounds

						Qvalue
13) Acrolein	3.76	56	10093	47.966	ug/l #	81
14) Allyl chloride	4.48	41	41960	13.807	ug/l #	44
15) Acrylonitrile	5.00	53	11676	12.269	ug/l #	29
16) Acetone	3.75	43	28576	39.353	ug/l #	55
18) Methyl Acetate	4.48	43	92123	42.196	ug/l #	50
25) 2-Butanone	6.58	43	100845	85.671	ug/l #	49
26) 2,2-Dichloropropane	6.59	77	9087	2.882	ug/l #	52
29) Tetrahydrofuran	7.34	42	760	0.935	ug/l #	1
31) Cyclohexane	7.61	56	1065407	346.051	ug/l	96
36) 1,1-Dichloropropene	7.62	75	14118	4.750	ug/l #	42
37) Ethyl Acetate	6.77	43	2643	0.923	ug/l #	66
38) Carbon Tetrachloride	7.63	117	18448	5.965	ug/l #	16
39) Methylcyclohexane	9.05	83	1286218	401.952	ug/l	97
40) Benzene	8.00	78	52362	5.748	ug/l	98
41) Methacrylonitrile	7.34	41	7787	5.894	ug/l #	45
43) Isopropyl Acetate	8.11	43	38037	8.256	ug/l #	59
45) 1,2-Dichloropropane	9.05	63	10929	4.633	ug/l #	1
46) Dibromomethane	9.05	93	521	0.331	ug/l #	1
47) Bromodichloromethane	9.24	83	9155	2.887	ug/l #	24
48) Methyl methacrylate	9.23	41	47472	21.562	ug/l #	42
51) 4-Methyl-2-Pentanone	9.95	43	4536	1.640	ug/l #	81
55) 1,1,2-Trichloroethane	10.50	97	65810	28.530	ug/l #	17
56) Ethyl methacrylate	10.40	69	35568	11.174	ug/l #	31
59) 2-Hexanone	10.85	43	4341	2.181	ug/l	86
67) Ethyl Benzene	11.48	91	1161052	94.775	ug/l	99
68) m/p-Xylenes	11.48	106	365206	78.740	ug/l #	23
69) o-Xylene	11.92	106	4116	0.935	ug/l	83
71) Bromoform	12.38	173	984	0.457	ug/l #	1
73) Isopropylbenzene	12.22	105	673626	57.268	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	846	0.245	ug/l #	42
76) 1,2,3-Trichloropropane	12.57	75	4778	1.312	ug/l #	100
78) n-propylbenzene	12.57	91	764211	57.030	ug/l	99
79) 2-Chlorotoluene	12.71	91	82029	9.903	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.71	105	830209	84.914	ug/l	99

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QLast Update : Mon Nov 23 13:54:12 2020
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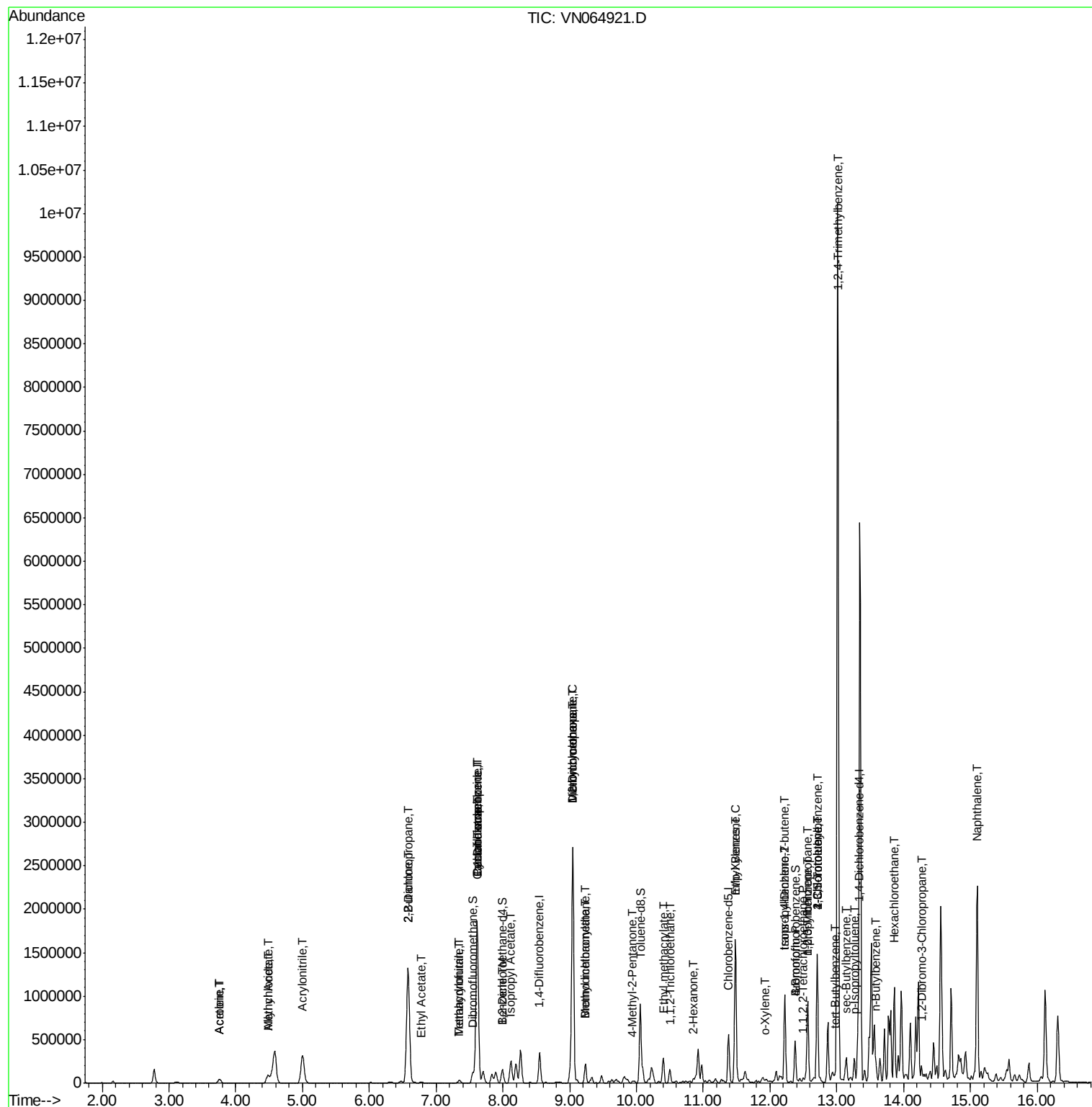
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.22	75	7422	5.586	ug/l #	58
82) 4-Chlorotoluene	12.71	91	82029	9.448	ug/l #	41
83) tert-Butylbenzene	12.97	119	23954	2.923	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.01	105	5549656	561.402	ug/l	90
85) sec-Butylbenzene	13.14	105	177411	16.305	ug/l	80
86) p-Isopropyltoluene	13.26	119	139483	14.080	ug/l	99
89) n-Butylbenzene	13.59	91	84947	9.764	ug/l #	73
90) Hexachloroethane	13.86	117	53130	30.873	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	189	0.244	ug/l #	1
95) Naphthalene	15.10	128	1951333	190.325	ug/l	99

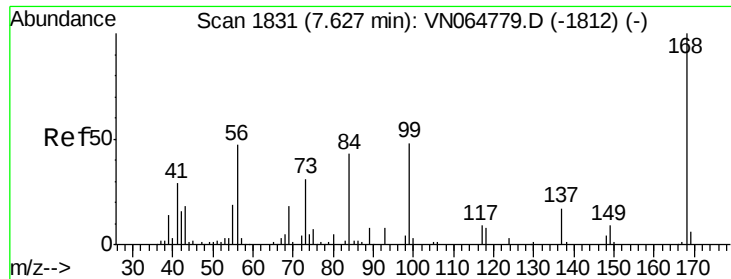
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

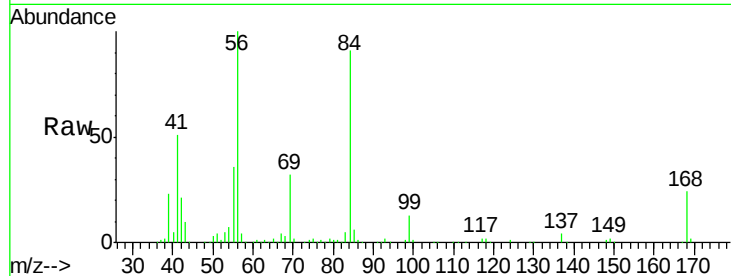
SS013-13-6511-120120

Tot Ion:168 Resp: 190007

Ion Ratio Lower Upper

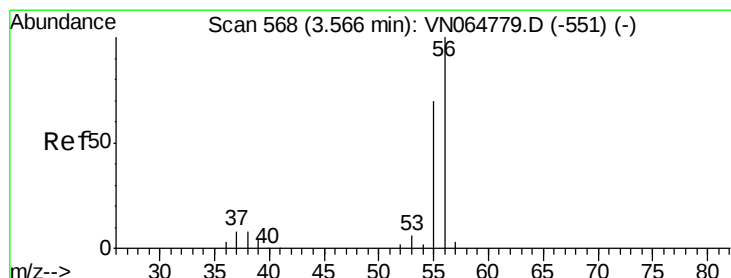
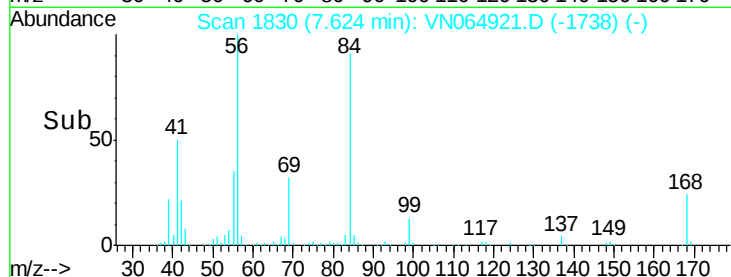
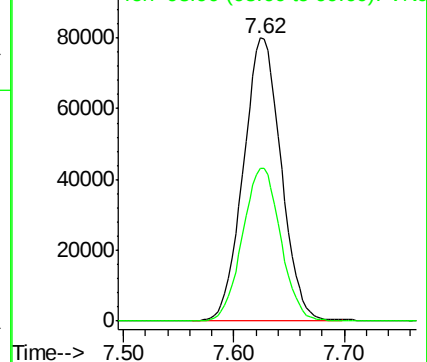
168 100

99 53.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 47.966 ug/l

RT: 3.76 min Scan# 628

Delta R.T. 0.19 min

Lab File: VN064921.D

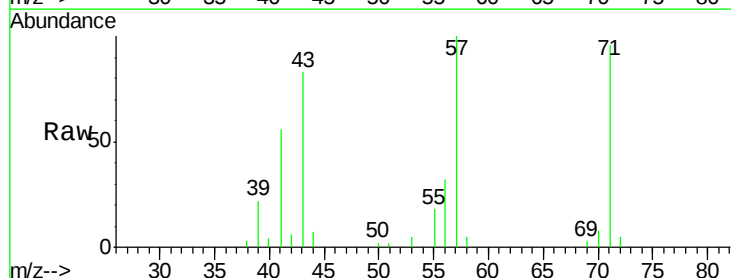
Acq: 4 Dec 2020 16:05

Tgt Ion: 56 Resp: 10093

Ion Ratio Lower Upper

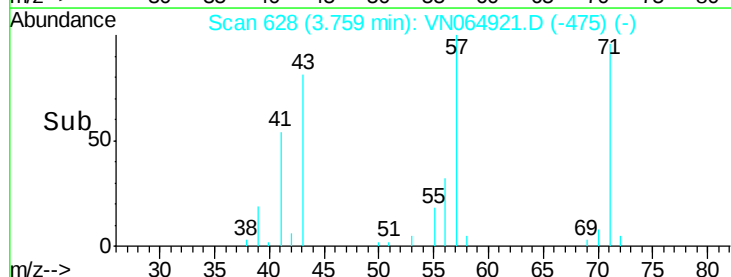
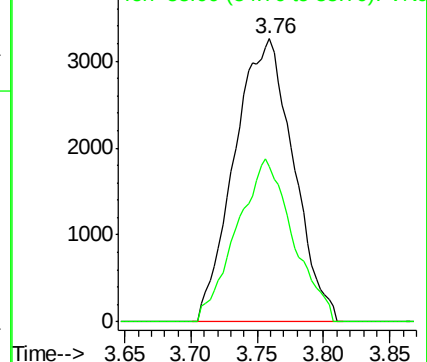
56 100

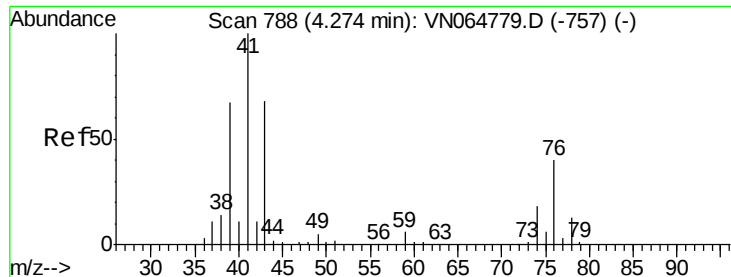
55 54.8 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#14

Allvl chloride

Concen: 13.807 ug/l

RT: 4.48 min Scan# 852

Delta R.T. 0.21 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

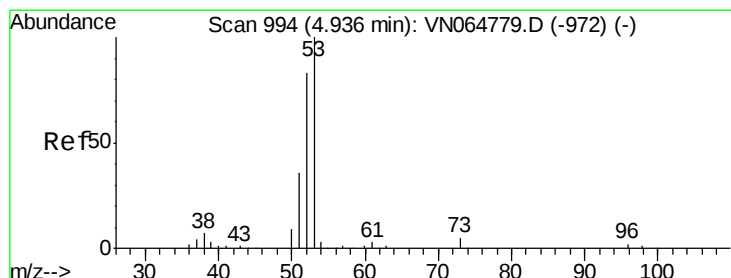
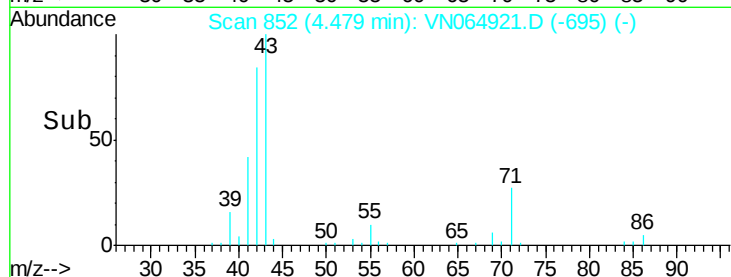
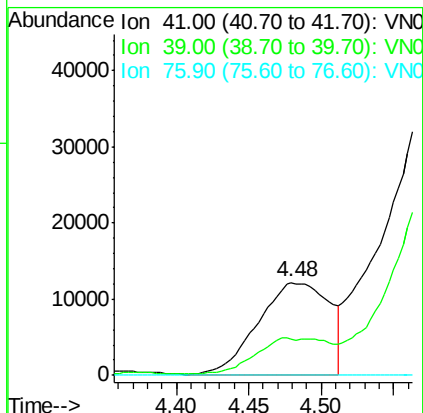
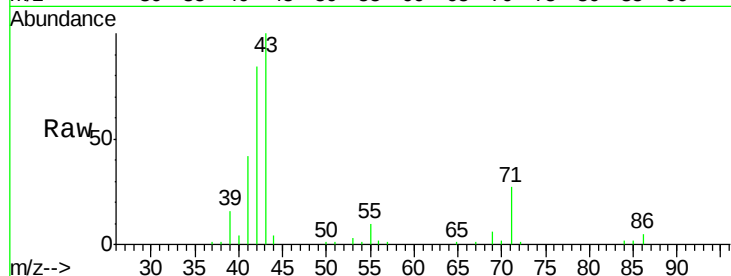
Tot Ion: 41 Resp: 41960

Ion Ratio Lower Upper

41 100

39 22.0 50.9 76.3#

76 0.0 29.0 43.4#



#15

Acrylonitrile

Concen: 12.269 ug/l

RT: 5.00 min Scan# 1015

Delta R.T. 0.07 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

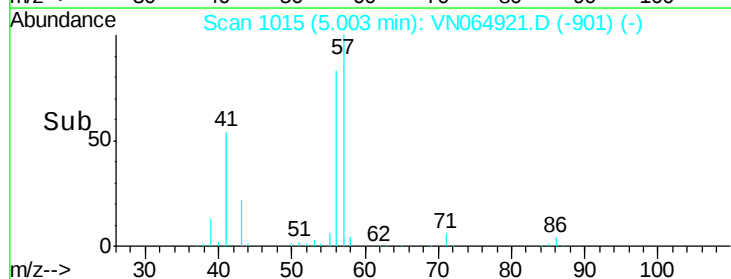
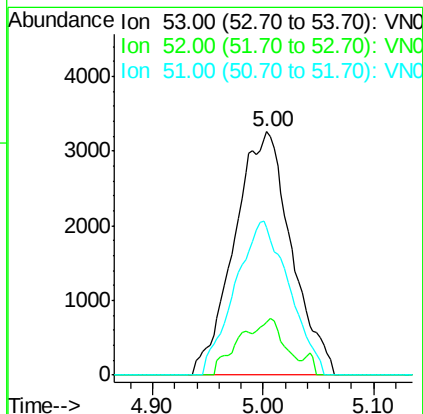
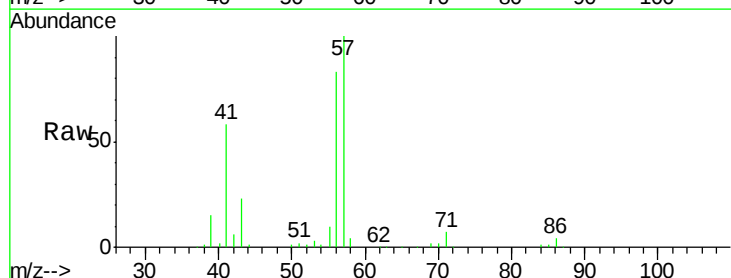
Tgt Ion: 53 Resp: 11676

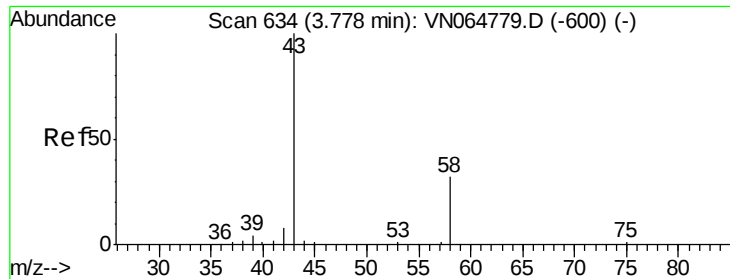
Ion Ratio Lower Upper

53 100

52 7.4 65.5 98.3#

51 60.0 28.6 43.0#





#16

Acetone

Concen: 39.353 ug/l

RT: 3.75 min Scan# 626

Delta R.T. -0.03 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

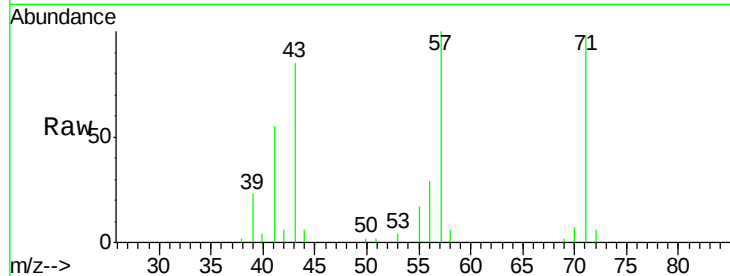
SS013-13-6511-120120

Tot Ion: 43 Resp: 28576

Ion Ratio Lower Upper

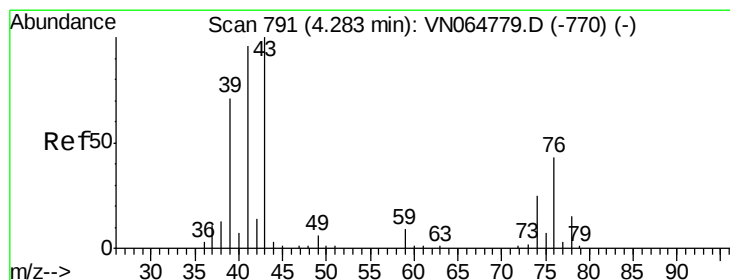
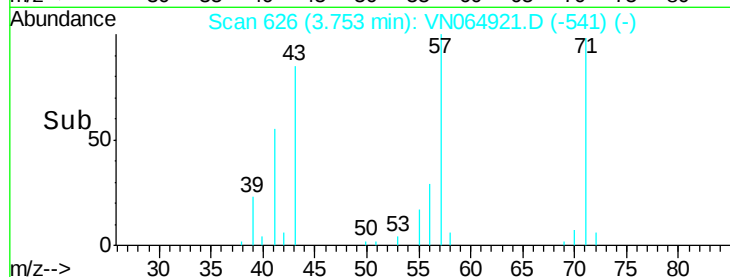
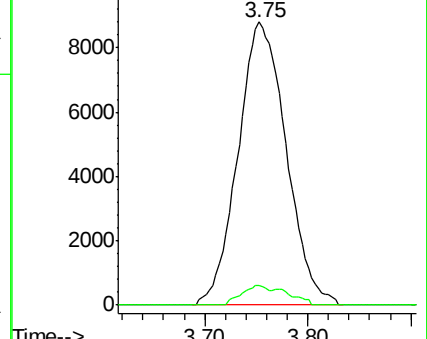
43 100

58 7.2 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 42.196 ug/l

RT: 4.48 min Scan# 853

Delta R.T. 0.20 min

Lab File: VN064921.D

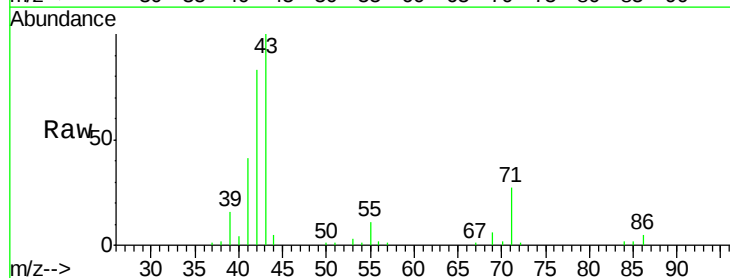
Acq: 4 Dec 2020 16:05

Tgt Ion: 43 Resp: 92123

Ion Ratio Lower Upper

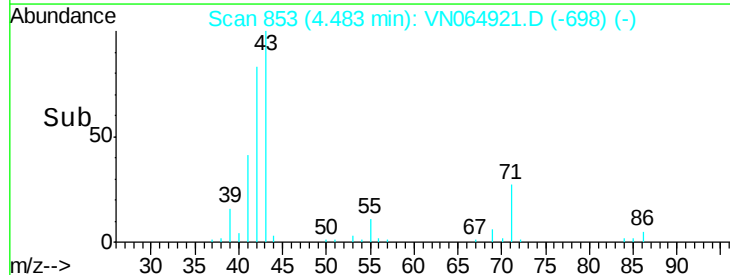
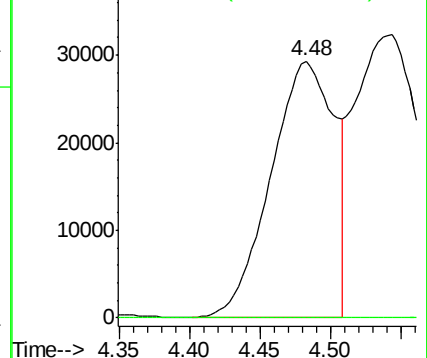
43 100

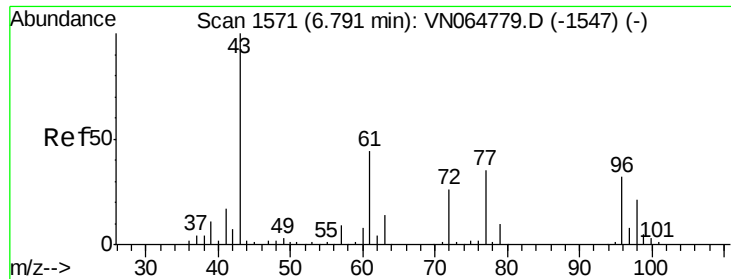
74 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

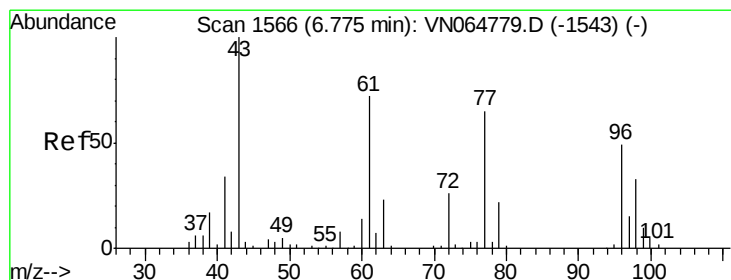
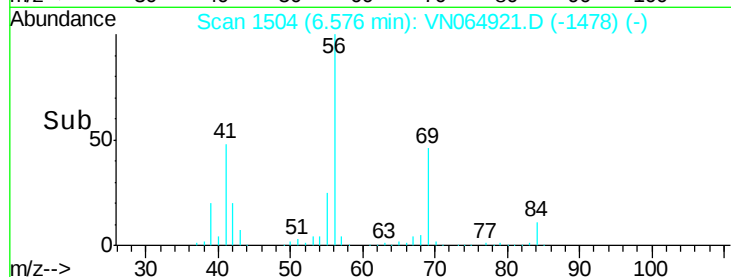
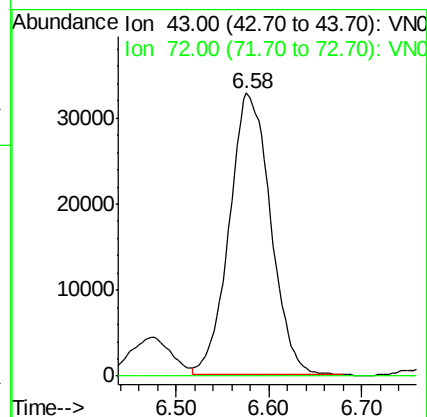
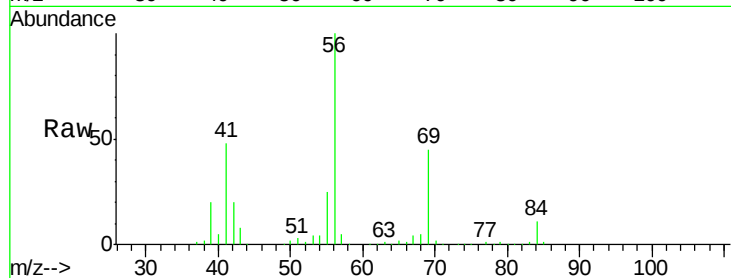




#25
2-Butanone
Concen: 85.671 ug/l
RT: 6.58 min Scan# 1504
Delta R.T. -0.22 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

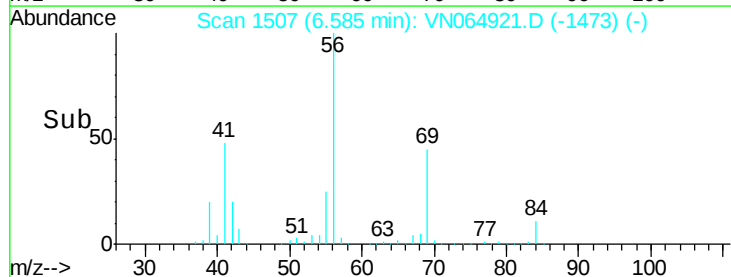
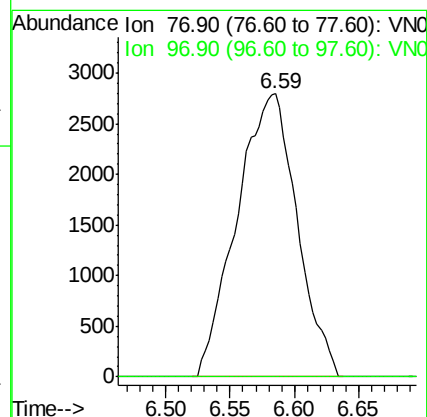
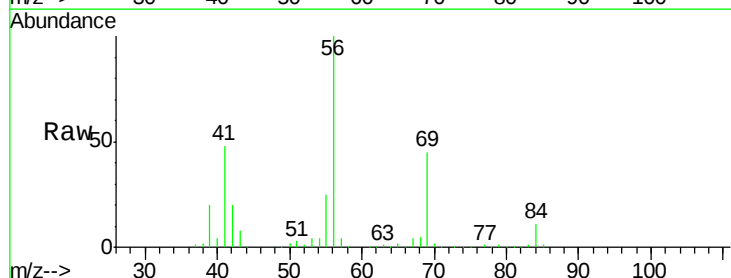
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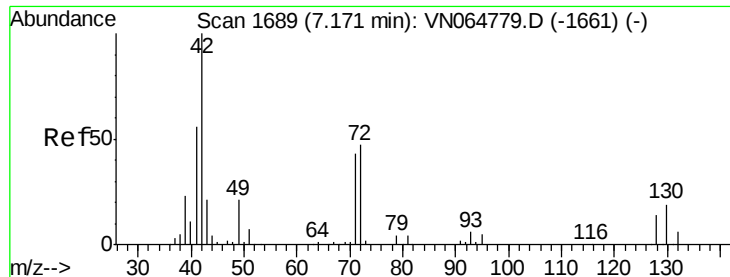
Tot Ion: 43 Resp: 100845
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#26
2,2-Dichloropropane
Concen: 2.882 ug/l
RT: 6.59 min Scan# 1507
Delta R.T. -0.19 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion: 77 Resp: 9087
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#





#29

Tetrahydrofuran

Concen: 0.935 ug/l

RT: 7.34 min Scan# 1741

Delta R.T. 0.17 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

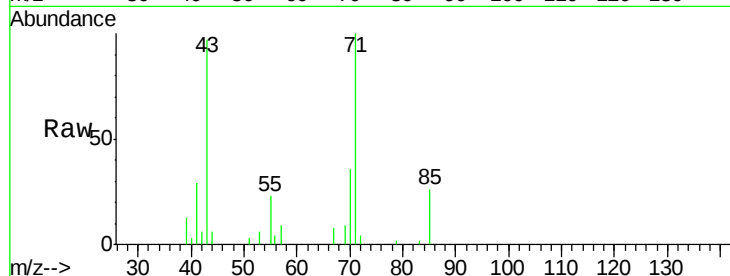
Tot Ion: 42 Resp: 760

Ion Ratio Lower Upper

42 100

72 126.2 36.6 54.8#

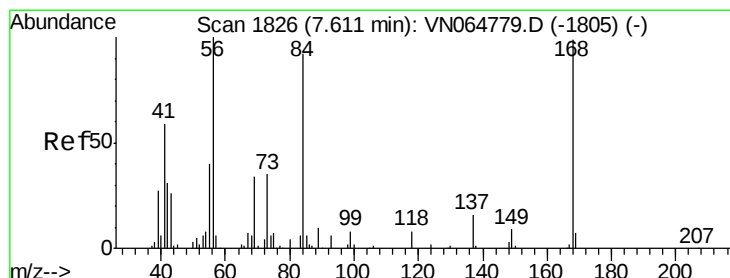
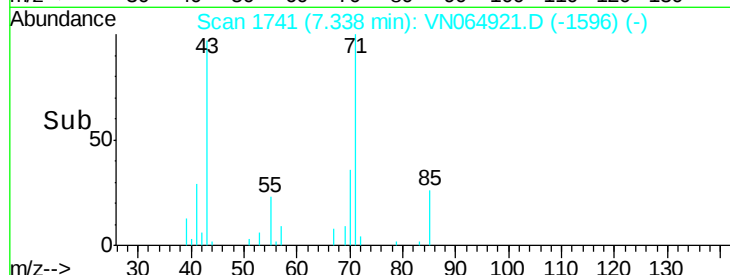
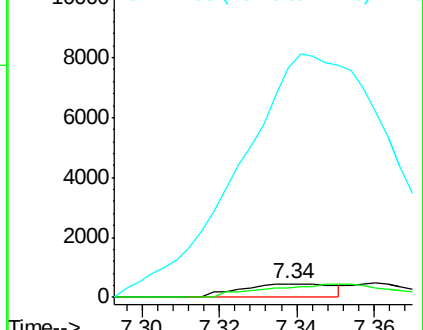
71 3098.8 33.6 50.4#



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



#31

Cyclohexane

Concen: 346.051 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

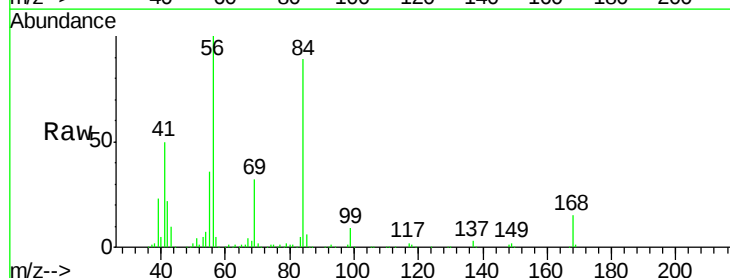
Tgt Ion: 56 Resp: 1065407

Ion Ratio Lower Upper

56 100

69 31.7 27.5 41.3

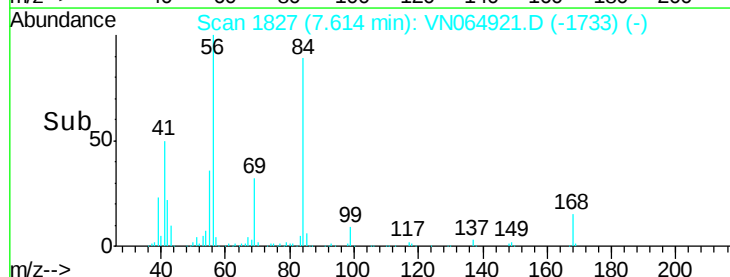
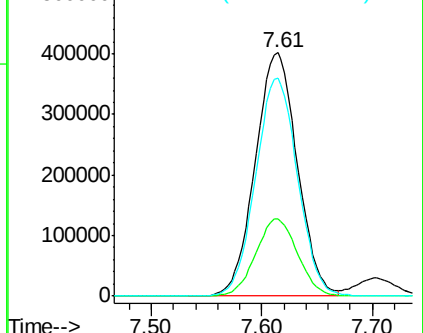
84 89.4 73.9 110.9

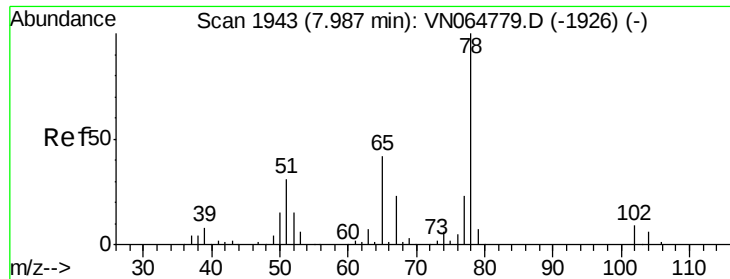


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

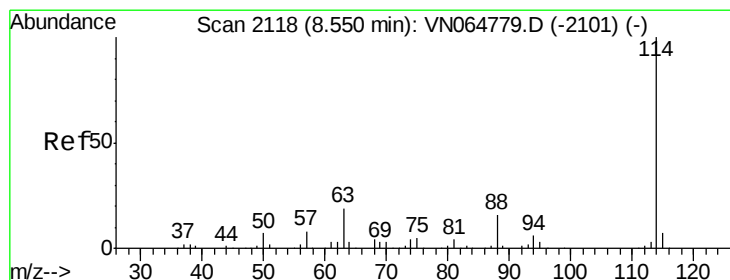
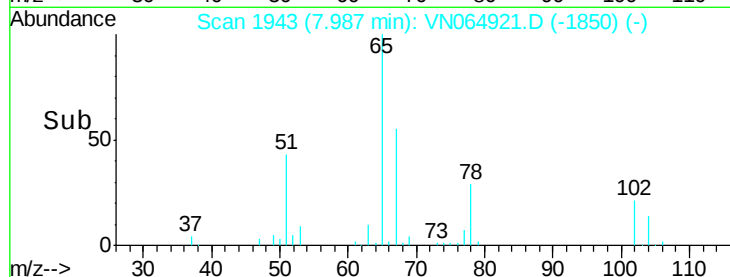
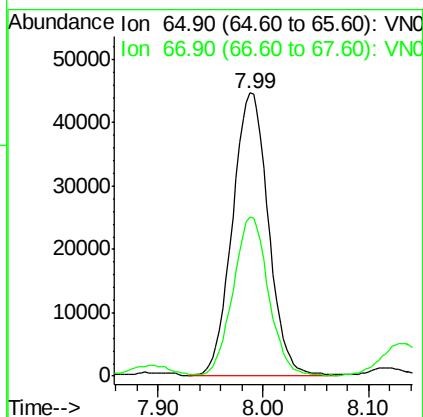
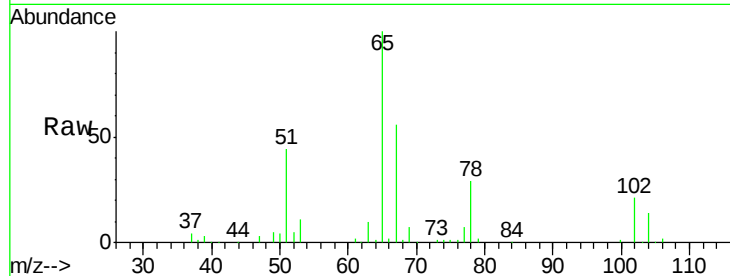




#33
 1,2-Dichloroethane-d4
 Concen: 48.126 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

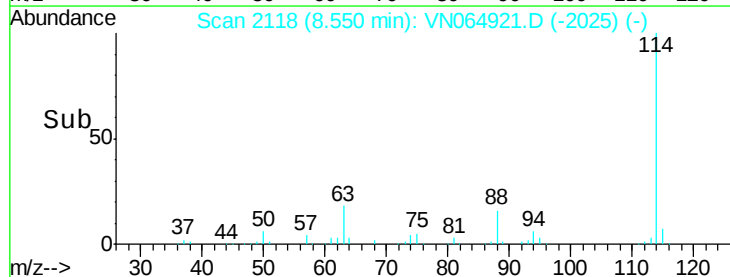
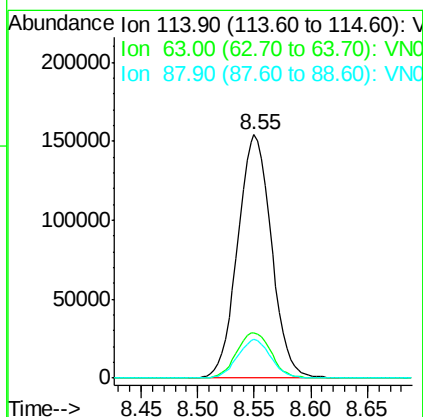
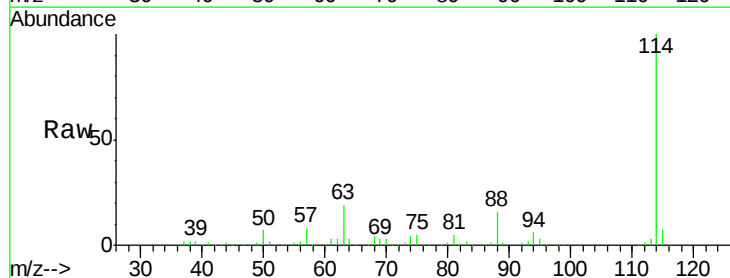
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6511-120120

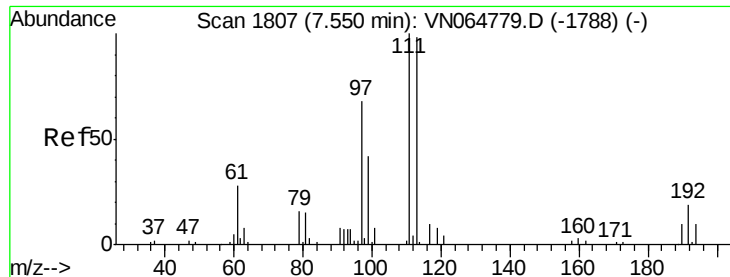
Tot Ion: 65 Resp: 106308
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Tgt Ion: 114 Resp: 320695
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.6
 88 15.8 0.0 32.6

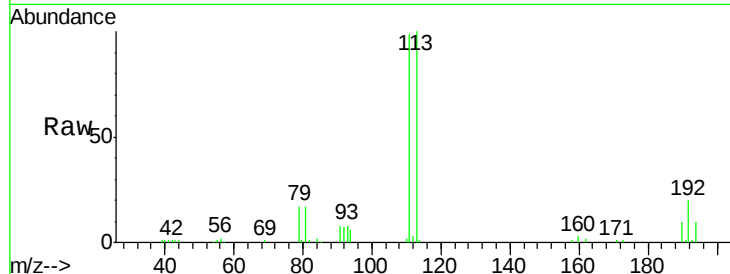




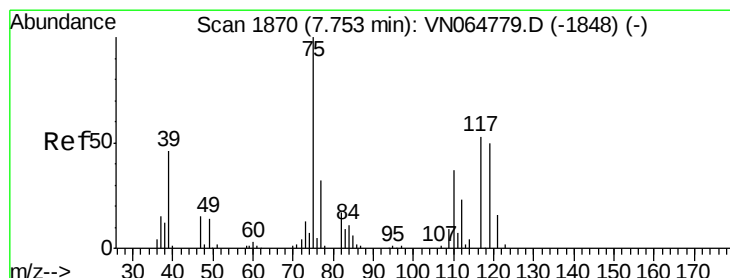
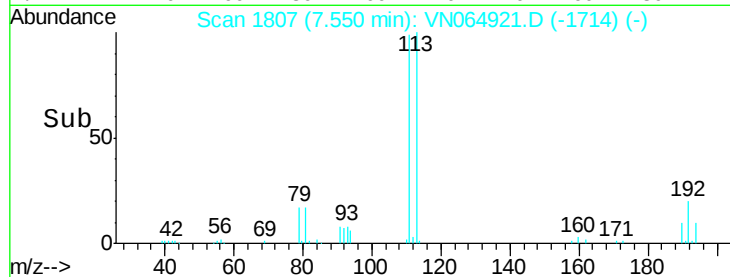
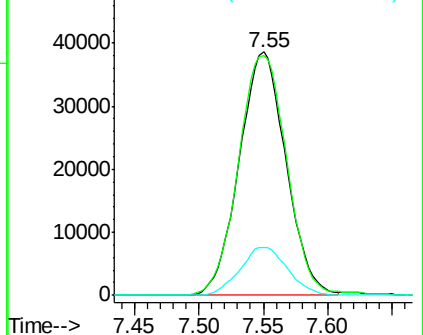
#35
Dibromofluoromethane
Concen: 50.778 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

Tot Ion:113 Resp: 97440
Ion Ratio Lower Upper
113 100
111 102.9 81.6 122.4
192 20.2 16.2 24.2

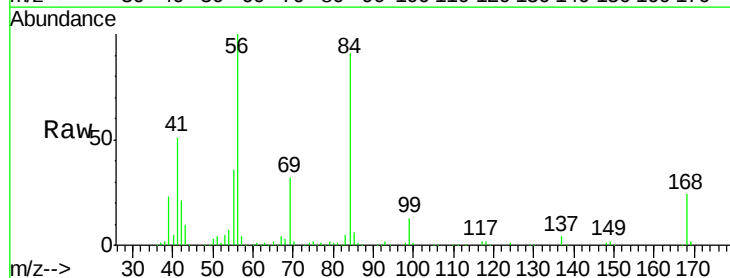


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

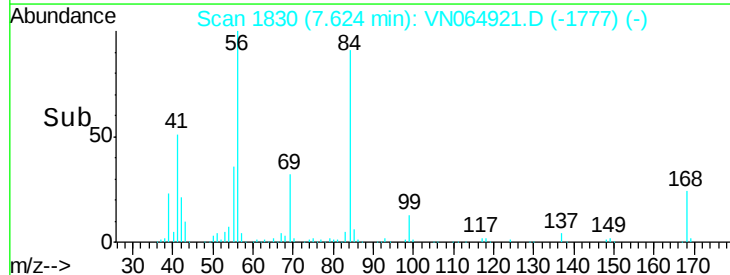
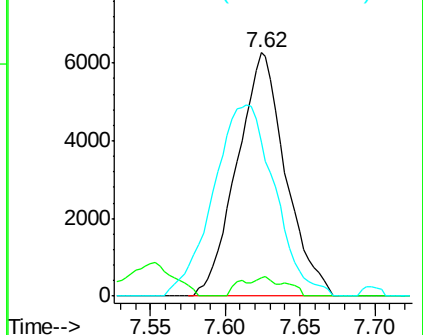


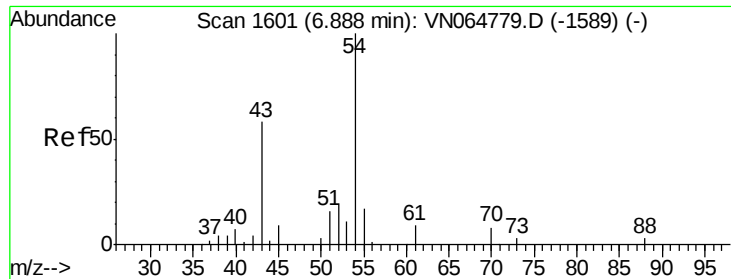
#36
1,1-Dichloropropene
Concen: 4.750 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion: 75 Resp: 14118
Ion Ratio Lower Upper
75 100
110 1.0 17.8 53.3#
77 0.0 25.0 37.4#



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

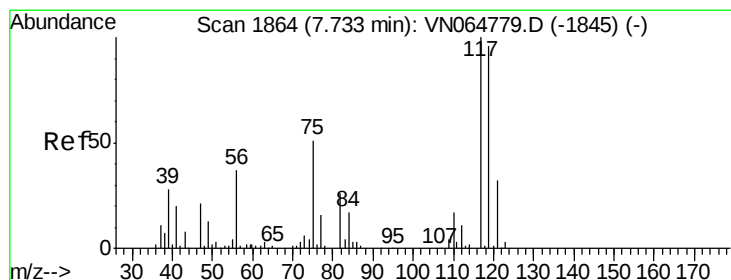
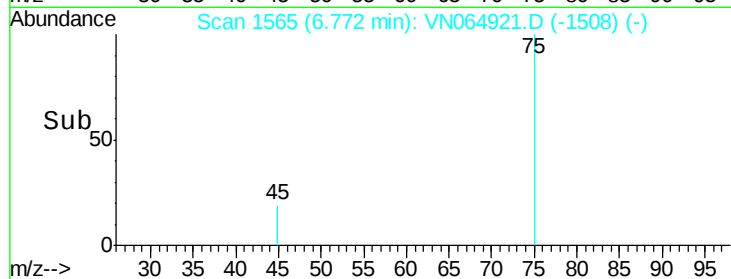
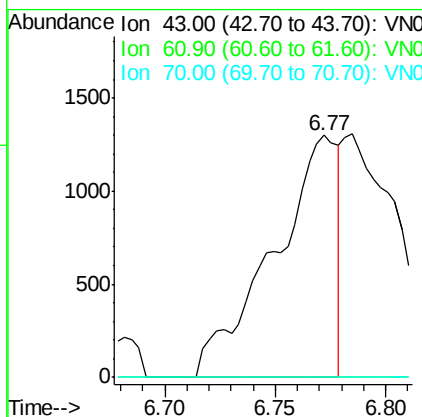
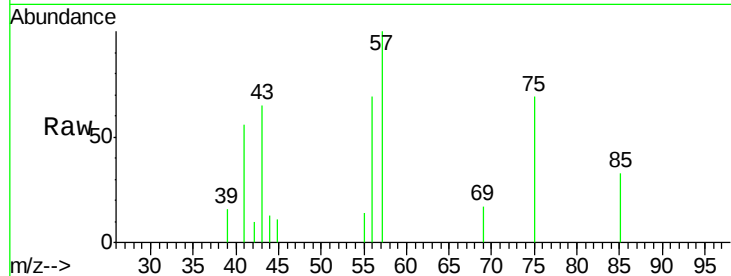




#37
Ethyl Acetate
Concen: 0.923 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.12 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

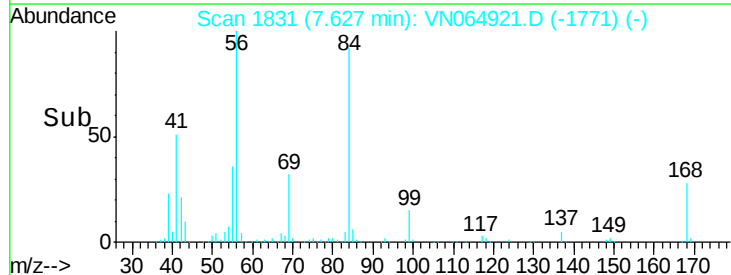
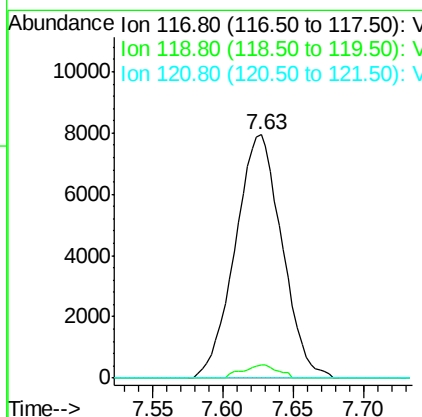
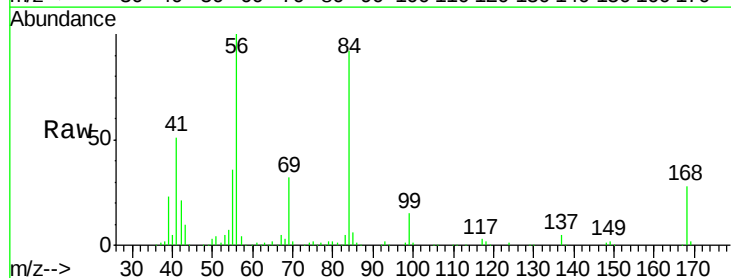
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

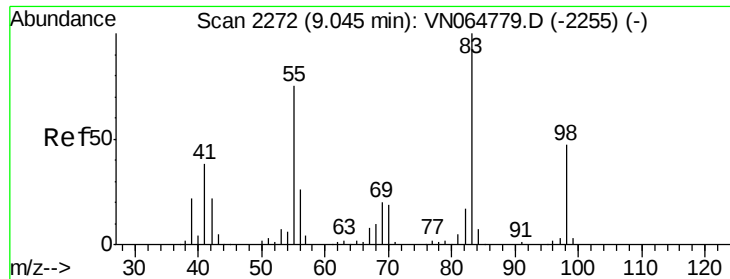
Tot Ion: 43 Resp: 2643
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.965 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion: 117 Resp: 18448
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 25.4 38.2#

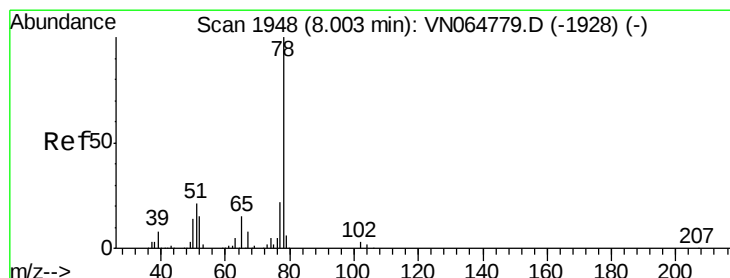
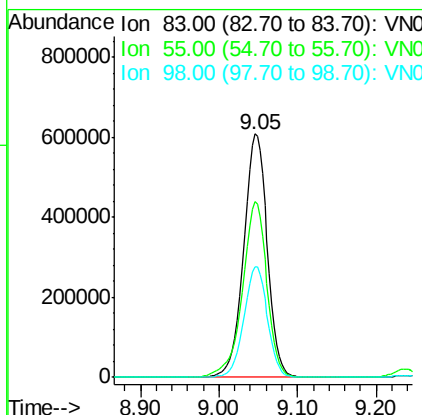
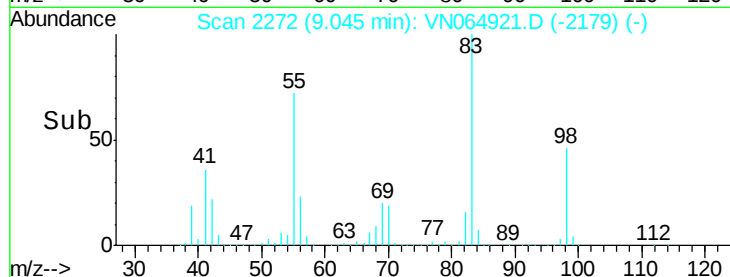
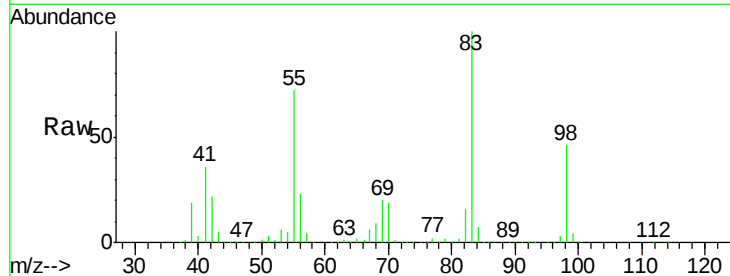




#39
Methvlcvclohexane
Concen: 401.952 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

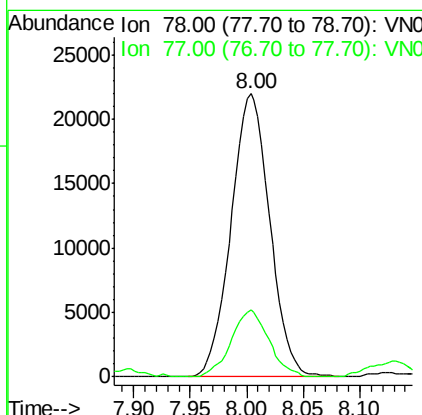
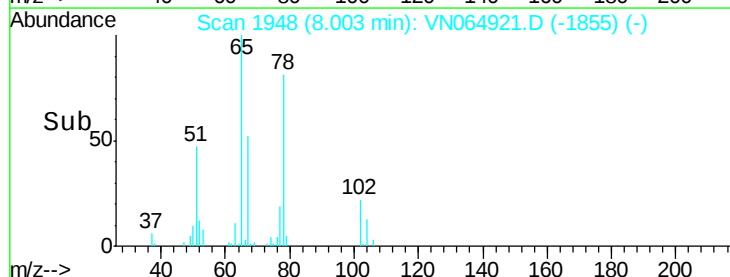
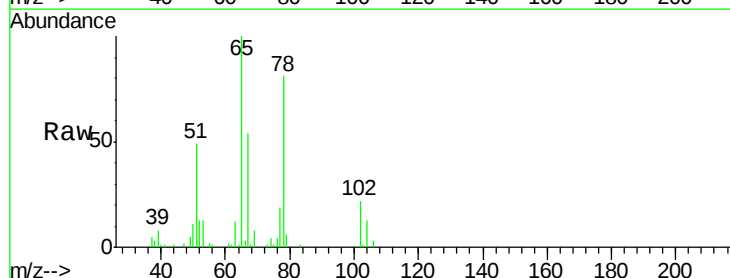
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

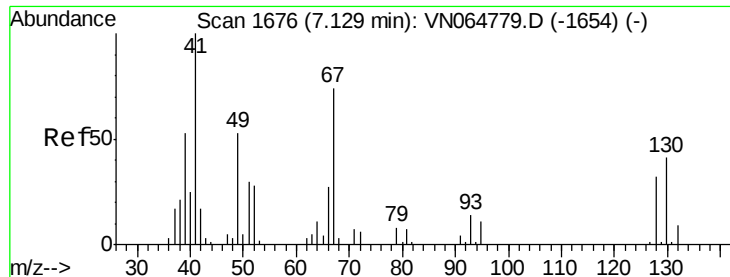
Tot Ion: 83 Resp: 1286218
Ion Ratio Lower Upper
83 100
55 72.1 60.2 90.2
98 45.6 37.4 56.2



#40
Benzene
Concen: 5.748 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion: 78 Resp: 52362
Ion Ratio Lower Upper
78 100
77 23.6 17.9 26.9





#41

Methacrylonitrile

Concen: 5.894 ug/l

RT: 7.34 min Scan# 1743

Delta R.T. 0.22 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

Tot Ion: 41 Resp: 7787

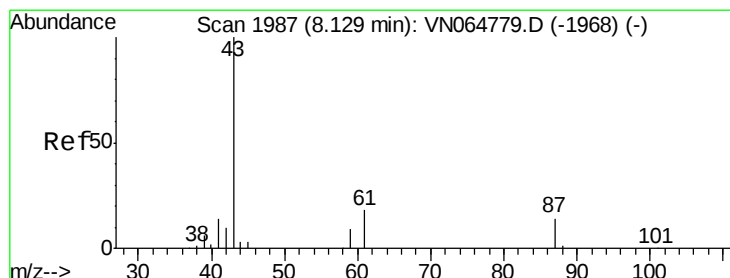
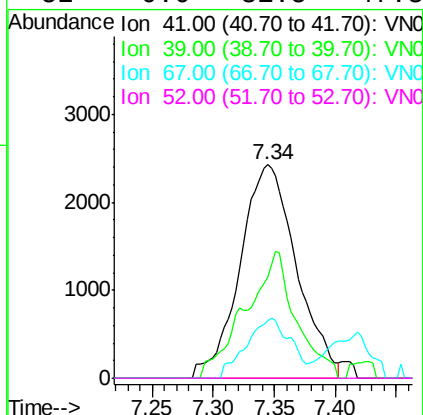
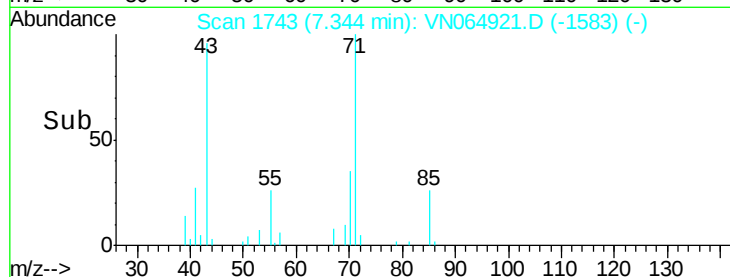
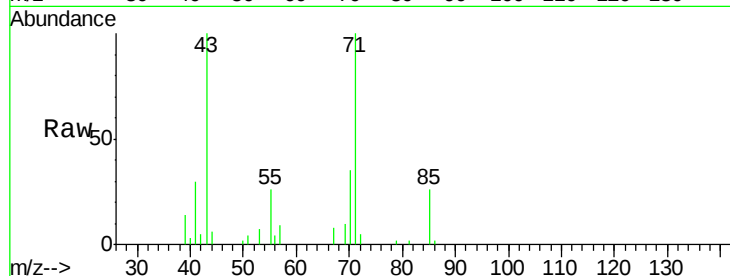
Ion Ratio Lower Upper

41 100

39 53.3 51.0 76.6

67 22.2 79.8 119.8#

52 0.0 31.5 47.3#



#43

Isopropyl Acetate

Concen: 8.256 ug/l

RT: 8.11 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

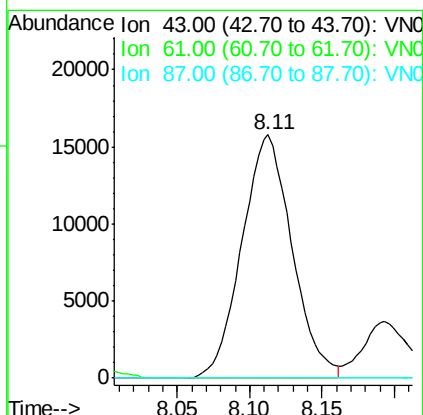
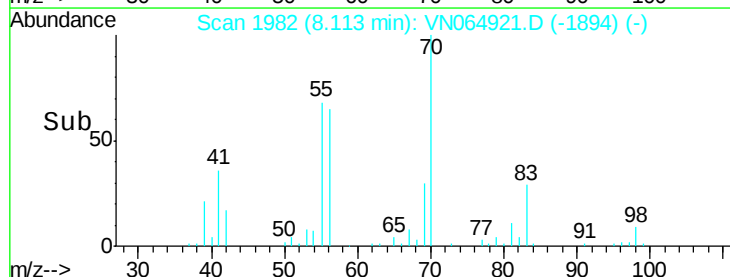
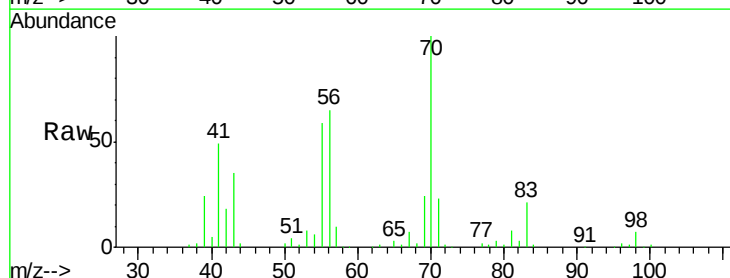
Tgt Ion: 43 Resp: 38037

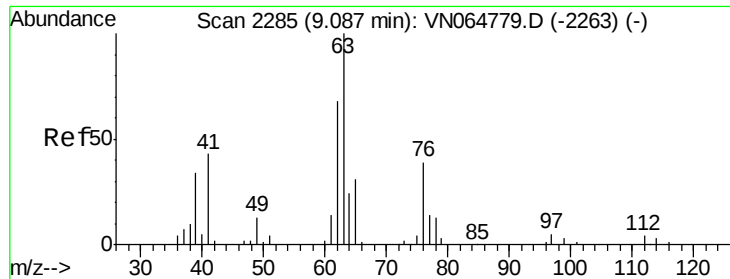
Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

87 0.0 11.4 17.0#

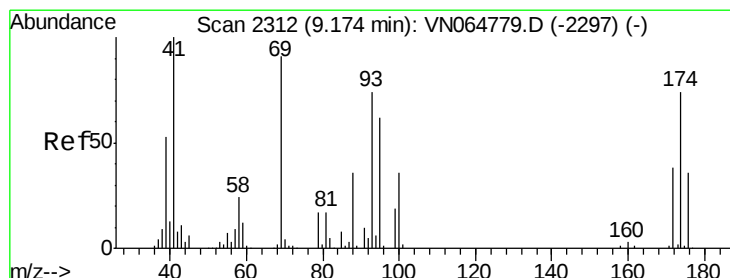
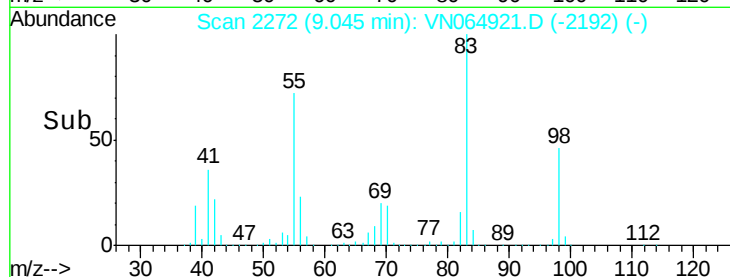
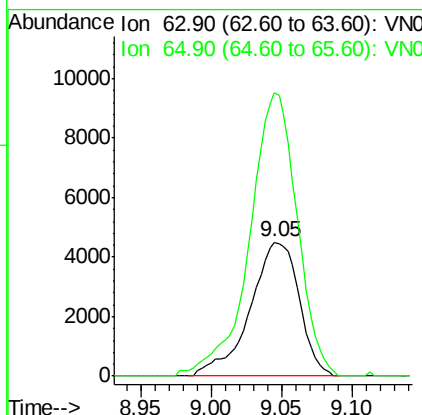
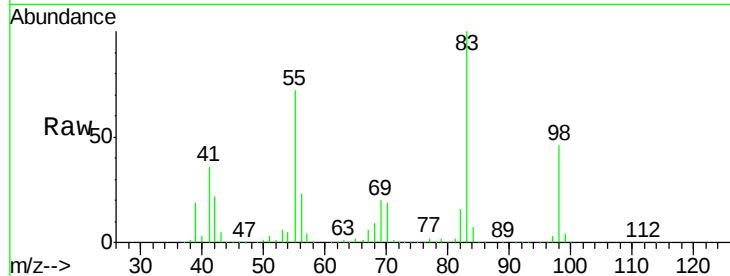




#45
 1,2-Dichloropropane
 Concen: 4.633 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.04 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

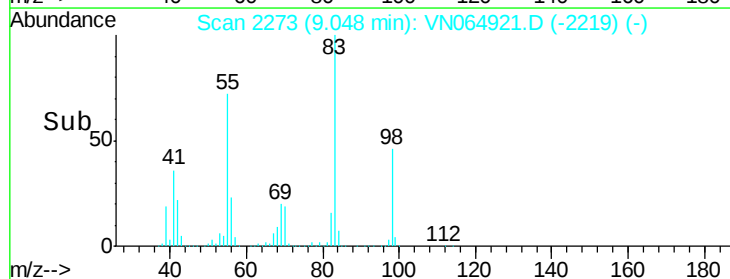
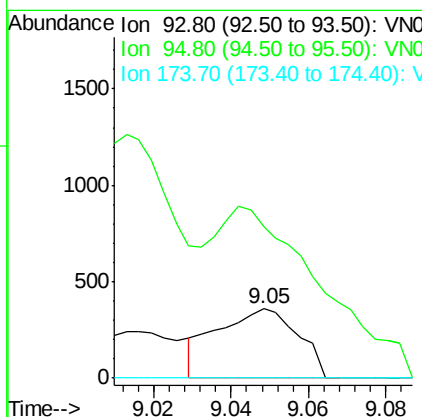
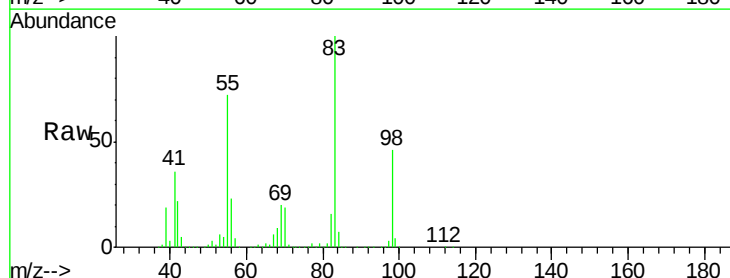
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6511-120120

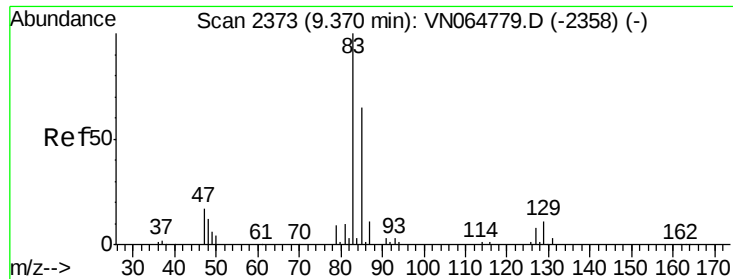
Tot Ion: 63 Resp: 10929
 Ion Ratio Lower Upper
 63 100
 65 211.8 25.0 37.4#



#46
 Dibromomethane
 Concen: 0.331 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. -0.13 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Tgt Ion: 93 Resp: 521
 Ion Ratio Lower Upper
 93 100
 95 294.8 68.8 103.2#
 174 0.0 83.1 124.7#





#47

Bromodichloromethane

Concen: 2.887 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. -0.13 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

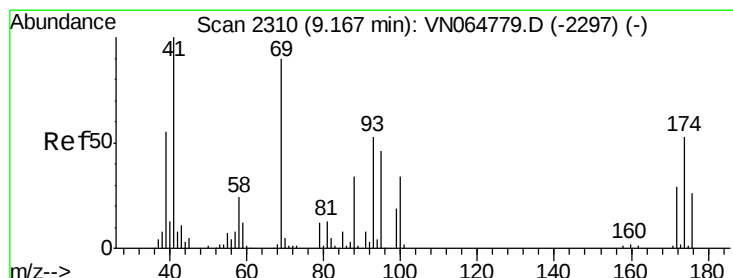
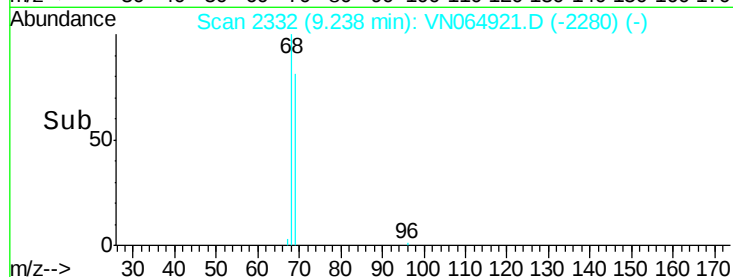
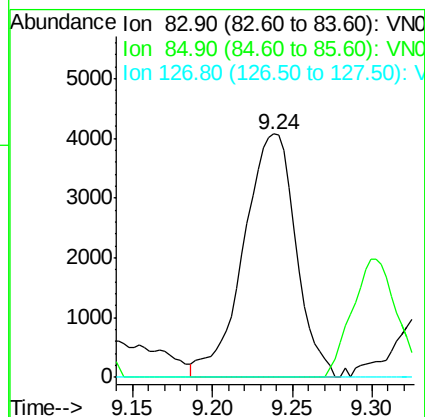
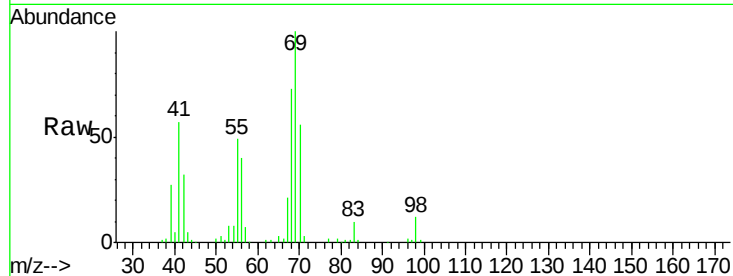
Tot Ion: 83 Resp: 9155

Ion Ratio Lower Upper

83 100

85 0.0 51.8 77.8#

127 0.0 6.8 10.2#



#48

Methyl methacrylate

Concen: 21.562 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

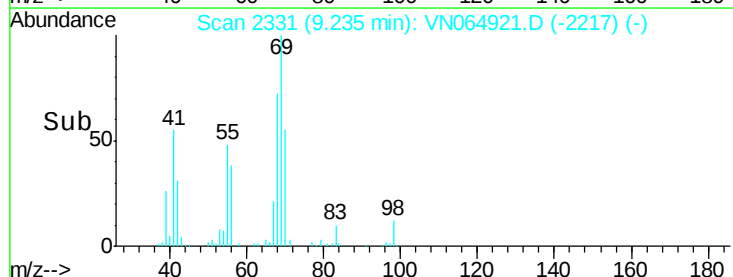
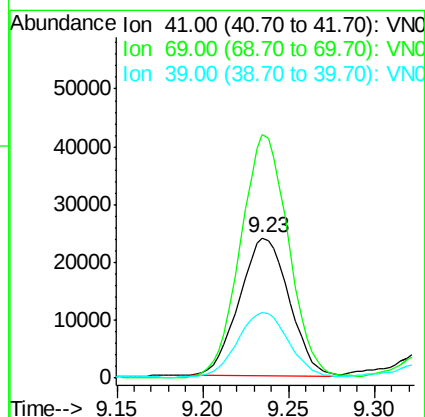
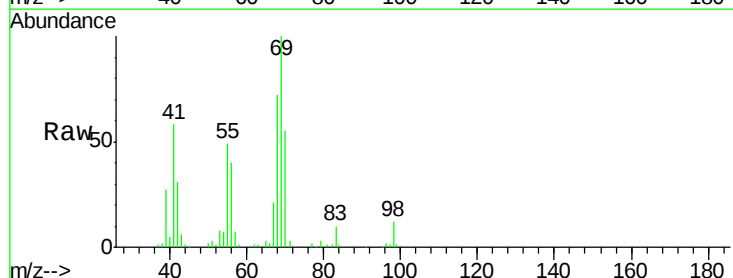
Tgt Ion: 41 Resp: 47472

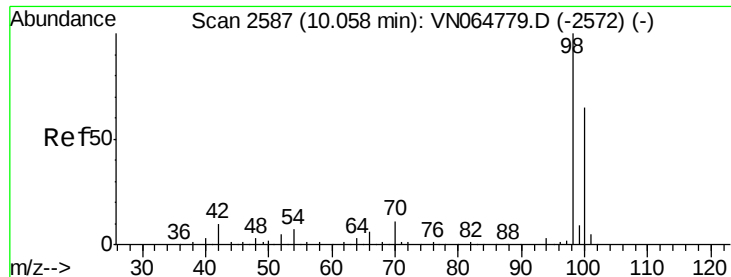
Ion Ratio Lower Upper

41 100

69 172.9 71.8 107.8#

39 49.0 44.1 66.1





#50

Toluene-d8

Concen: 54.579 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

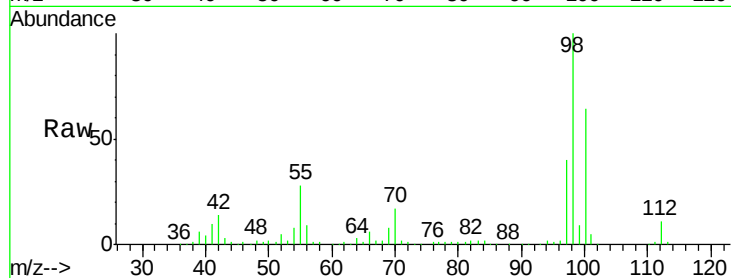
SS013-13-6511-120120

Tot Ion: 98 Resp: 427935

Ion Ratio Lower Upper

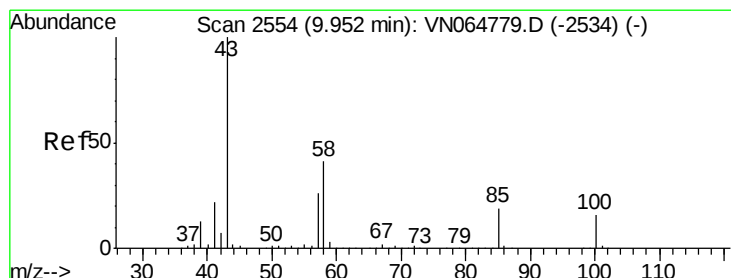
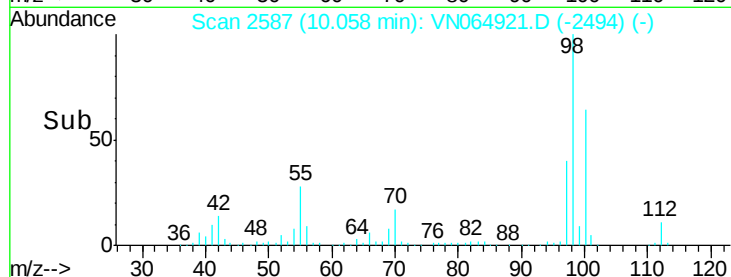
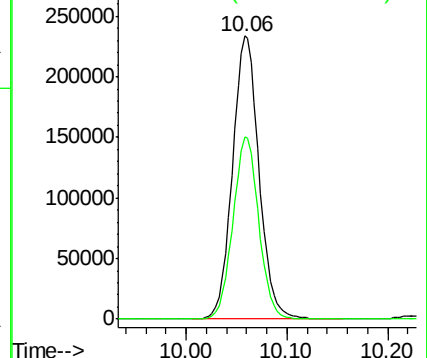
98 100

100 62.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.640 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064921.D

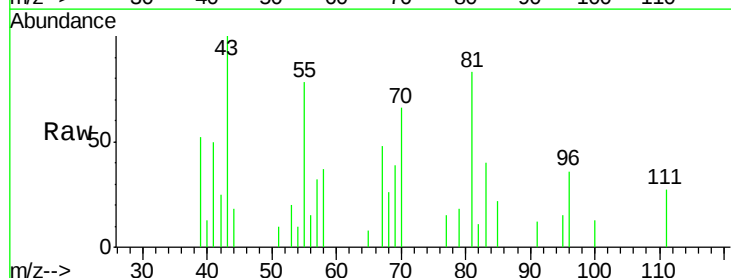
Acq: 4 Dec 2020 16:05

Tgt Ion: 43 Resp: 4536

Ion Ratio Lower Upper

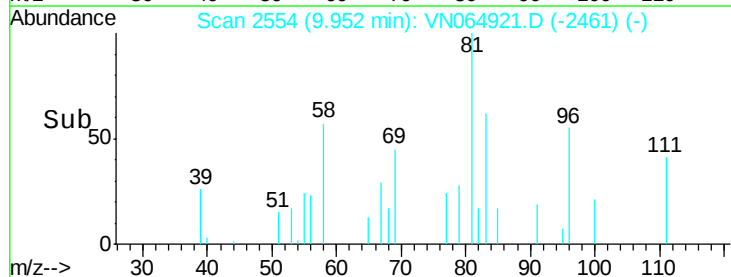
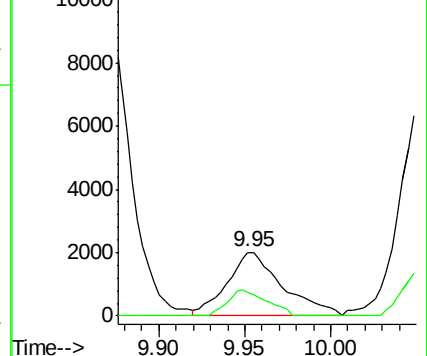
43 100

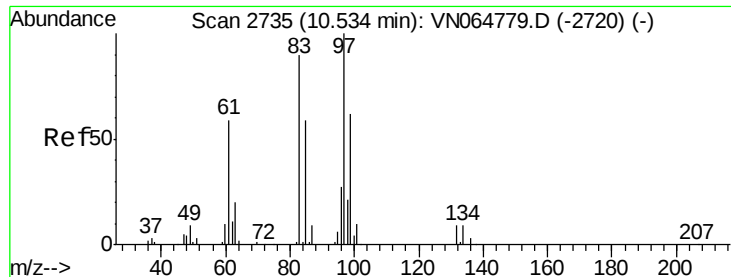
58 28.5 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

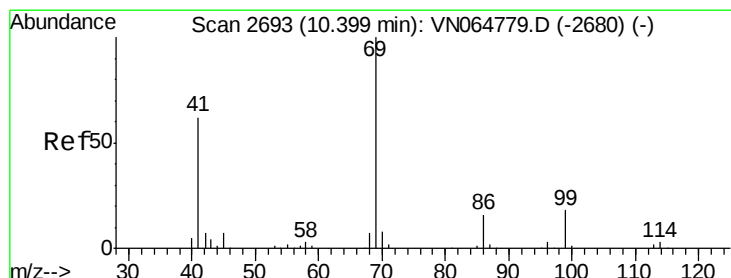
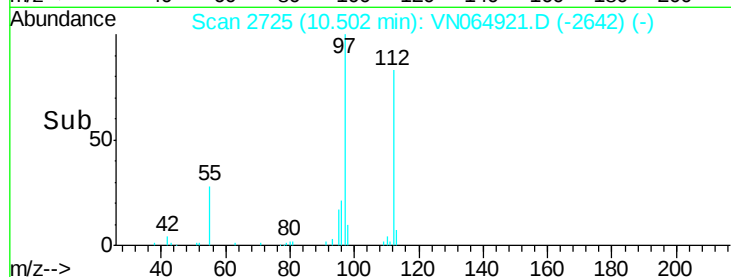
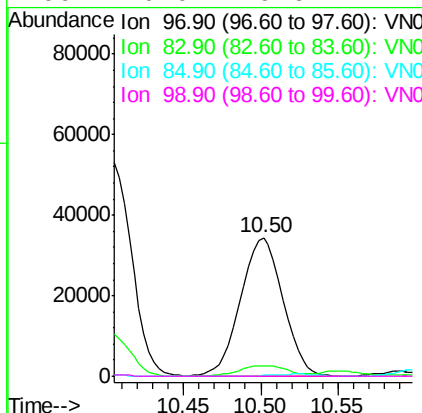
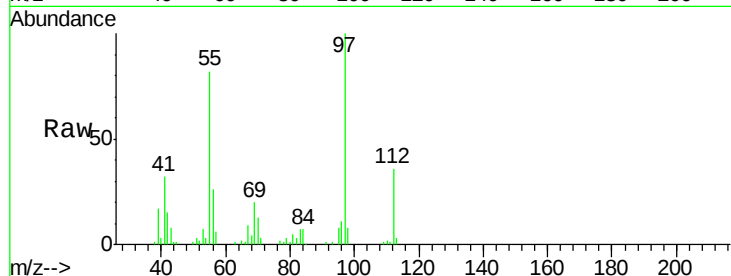




#55
1,1,2-Trichloroethane
Concen: 28.530 ug/l
RT: 10.50 min Scan# 2725
Delta R.T. -0.03 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

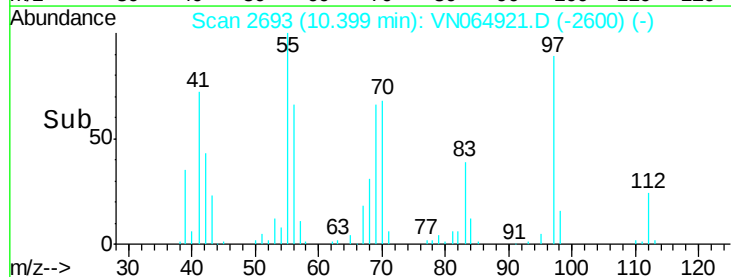
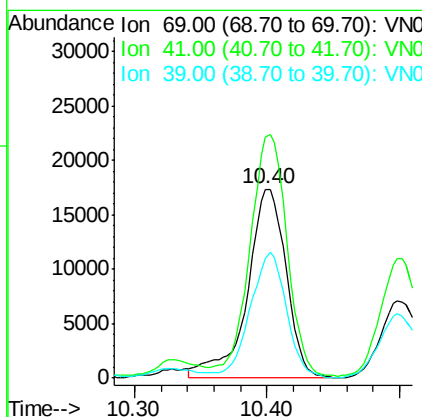
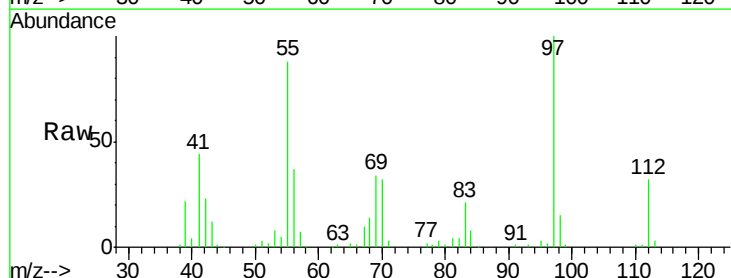
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

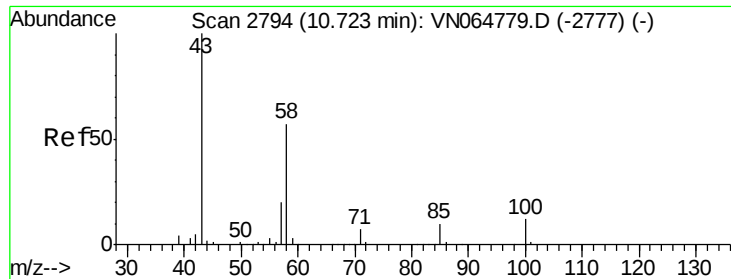
Tot Ion: 97 Resp: 65810
Ion Ratio Lower Upper
97 100
83 7.4 72.1 108.1#
85 0.5 46.8 70.2#
99 0.0 49.6 74.4#



#56
Ethyl methacrylate
Concen: 11.174 ug/l
RT: 10.40 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion: 69 Resp: 35568
Ion Ratio Lower Upper
69 100
41 121.0 49.4 74.0#
39 62.2 25.9 38.9#

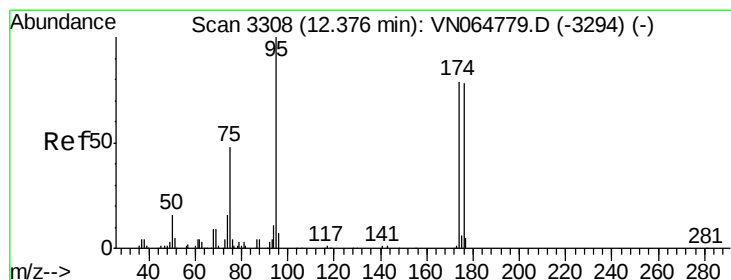
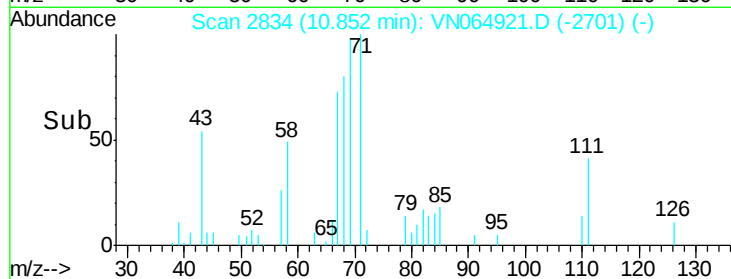
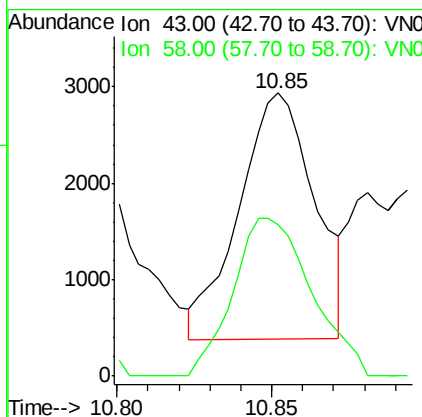
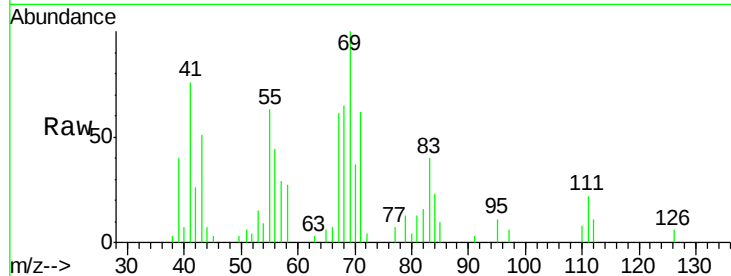




#59
2-Hexanone
Concen: 2.181 ug/l
RT: 10.85 min Scan# 2834
Delta R.T. 0.13 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

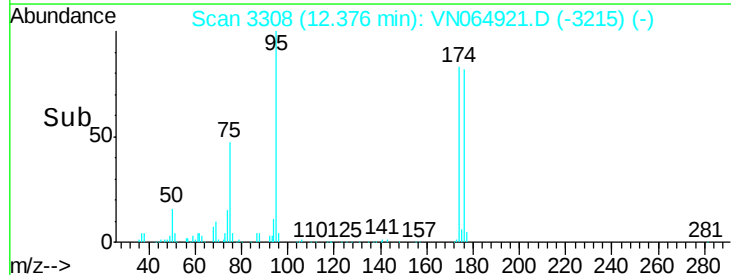
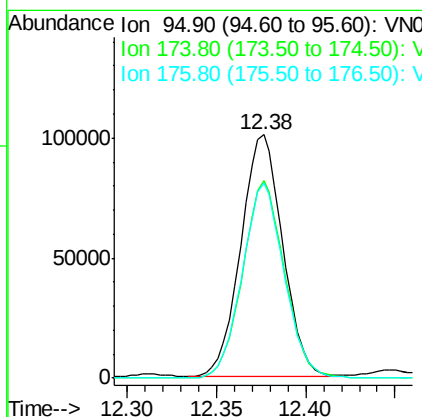
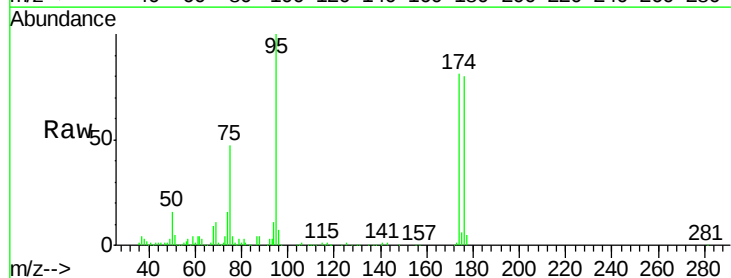
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

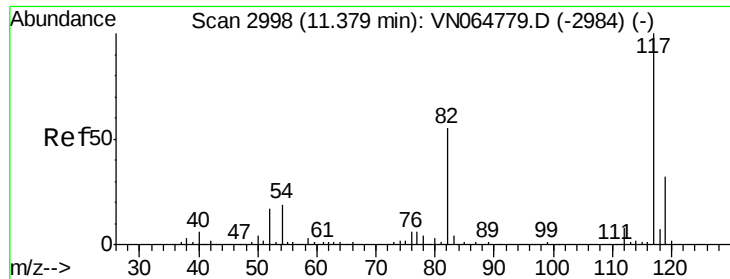
Tot Ion: 43 Resp: 4341
Ion Ratio Lower Upper
43 100
58 66.7 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 59.089 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion: 95 Resp: 165804
Ion Ratio Lower Upper
95 100
174 81.5 0.0 160.4
176 80.6 0.0 158.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

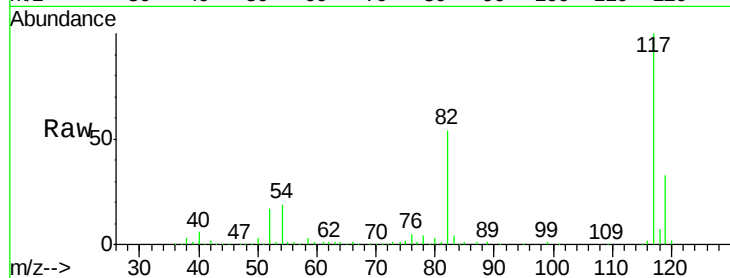
Tot Ion:117 Resp: 341479

Ion Ratio Lower Upper

117 100

82 53.3 44.2 66.2

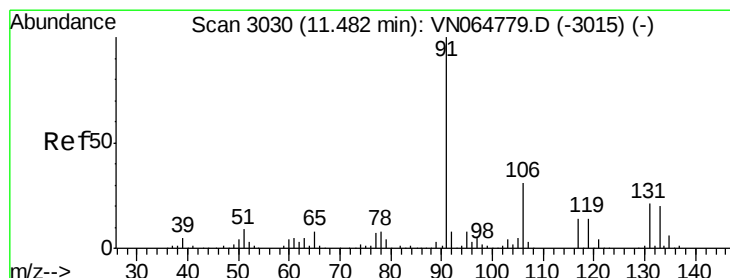
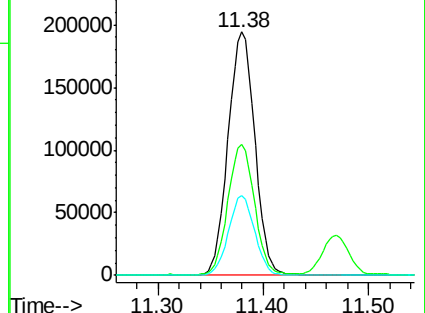
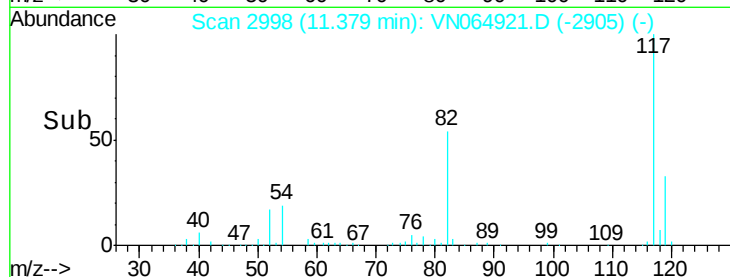
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 94.775 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064921.D

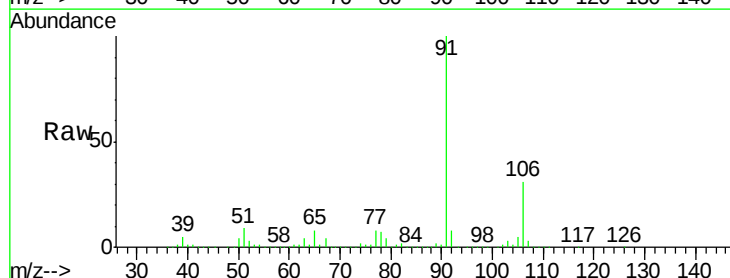
Acq: 4 Dec 2020 16:05

Tgt Ion: 91 Resp: 1161052

Ion Ratio Lower Upper

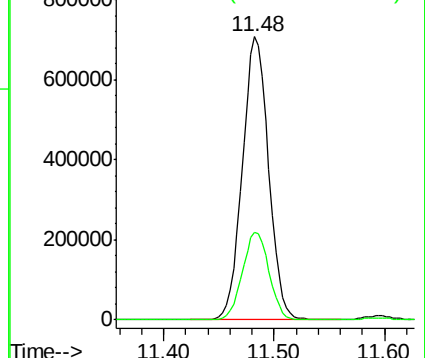
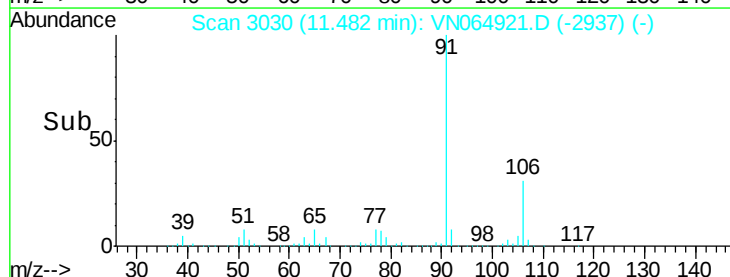
91 100

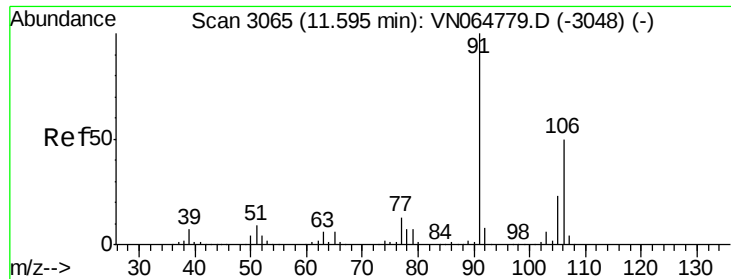
106 31.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V

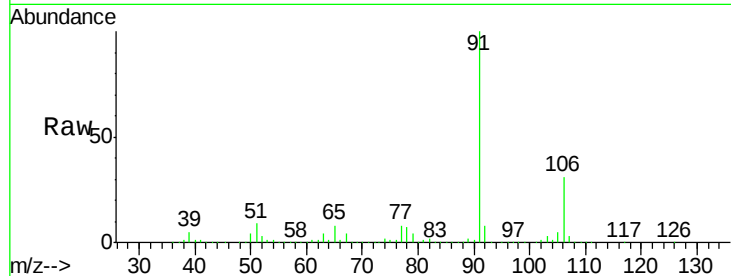




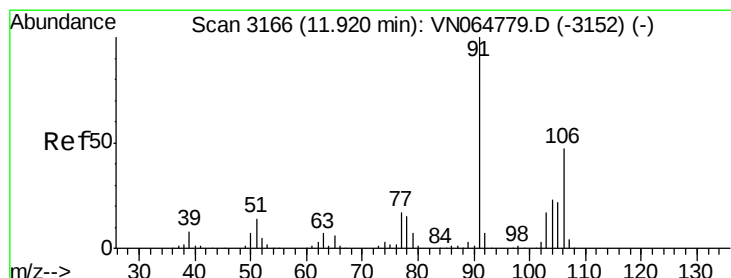
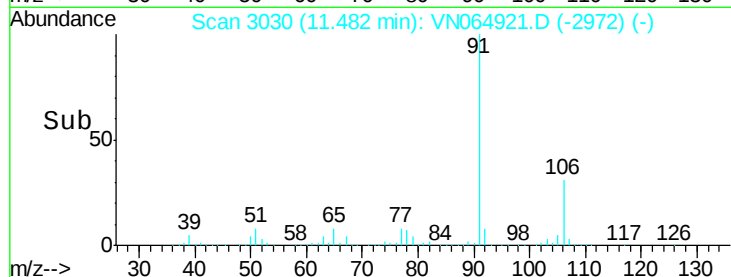
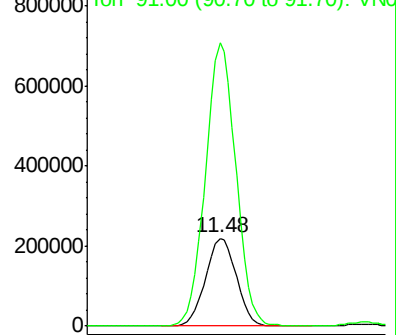
#68
m/p-Xylenes
Concen: 78.740 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.11 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

Tot Ion:106 Resp: 365206
Ion Ratio Lower Upper
106 100
91 317.9 161.0 241.4#

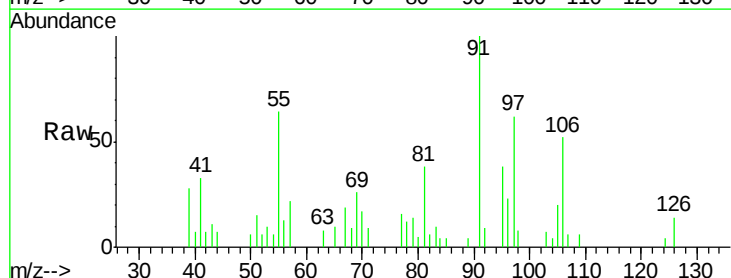


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

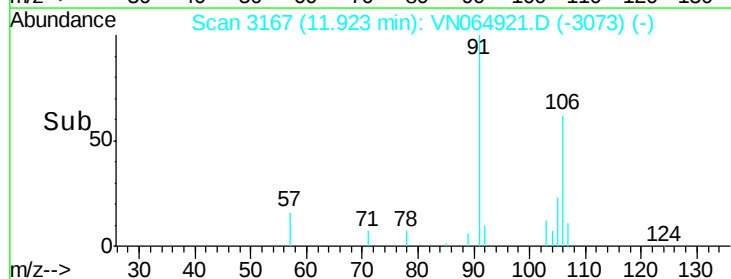
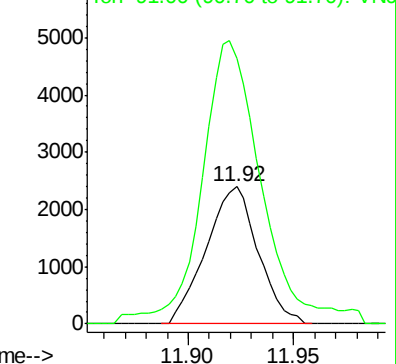


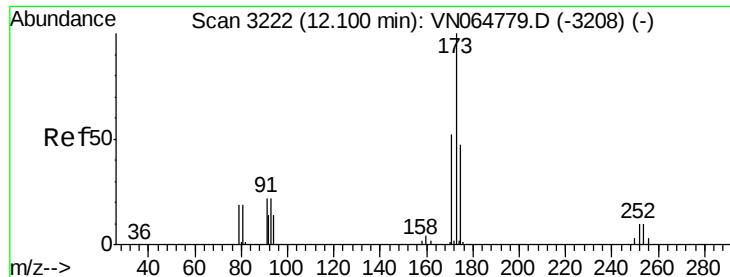
#69
o-Xylene
Concen: 0.935 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion:106 Resp: 4116
Ion Ratio Lower Upper
106 100
91 237.3 105.5 316.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#71

Bromoform

Concen: 0.457 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

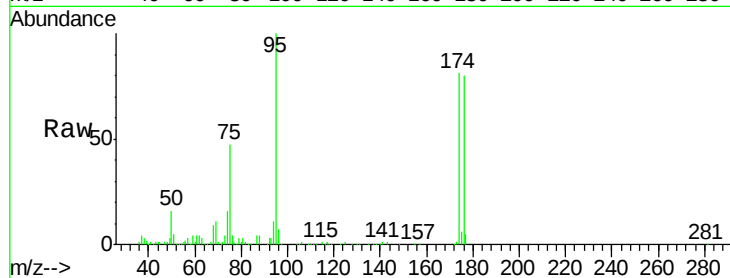
Tot Ion:173 Resp: 984

Ion Ratio Lower Upper

173 100

175 873.3 24.3 72.8#

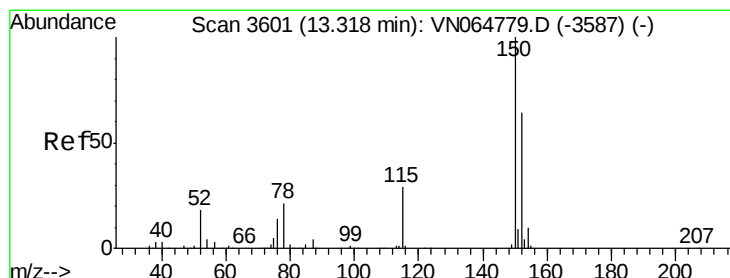
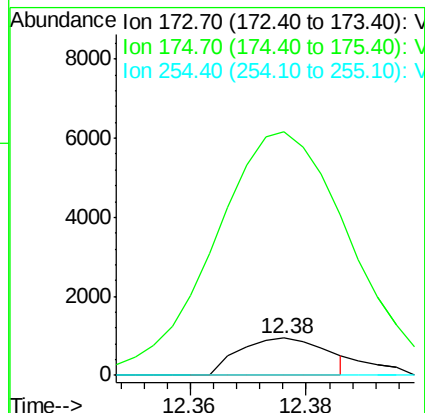
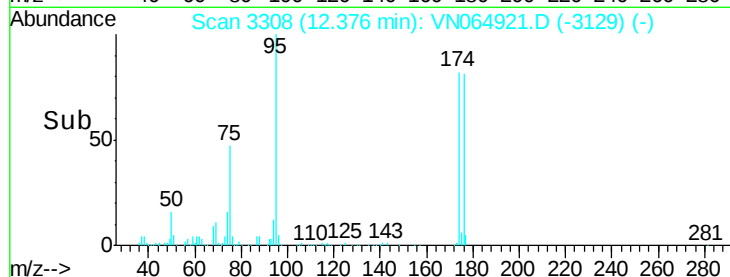
254 0.0 0.0 0.0



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# 3601

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

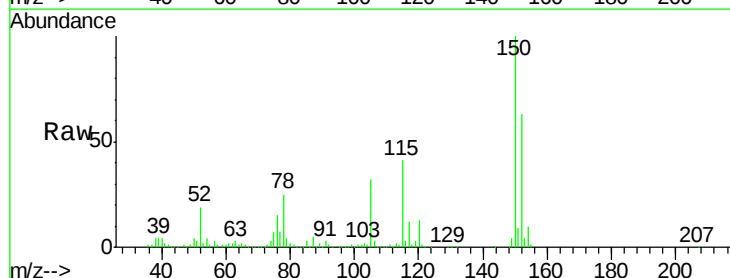
Tgt Ion:152 Resp: 169109

Ion Ratio Lower Upper

152 100

115 54.6 29.7 89.1

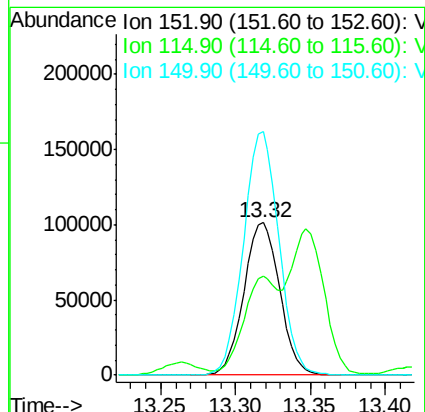
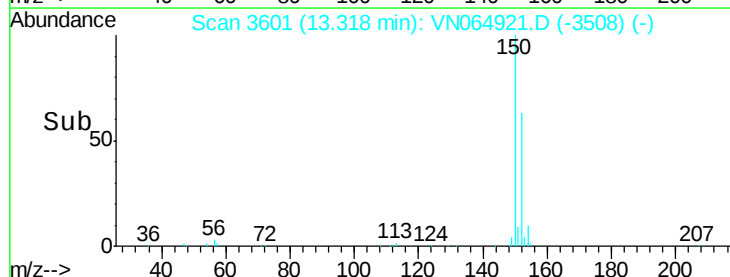
150 157.8 0.0 350.6

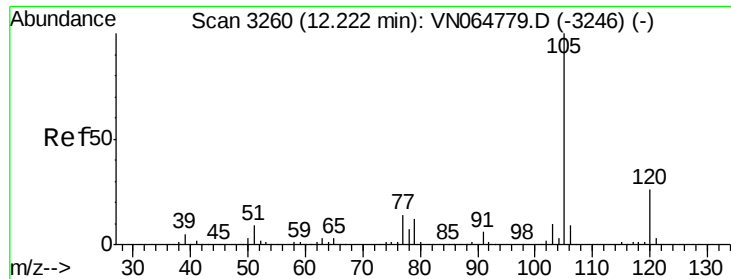


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.268 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

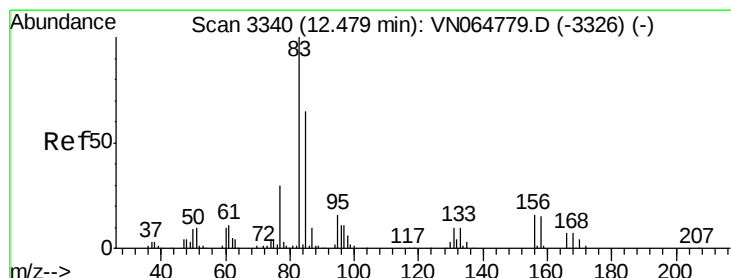
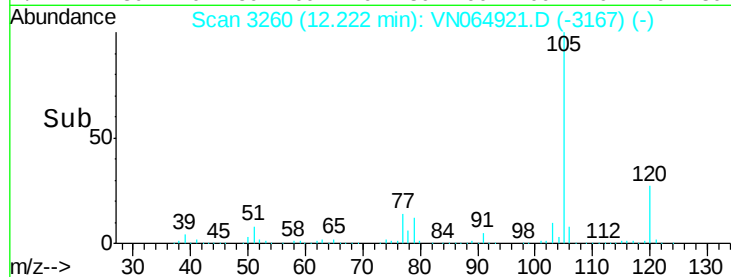
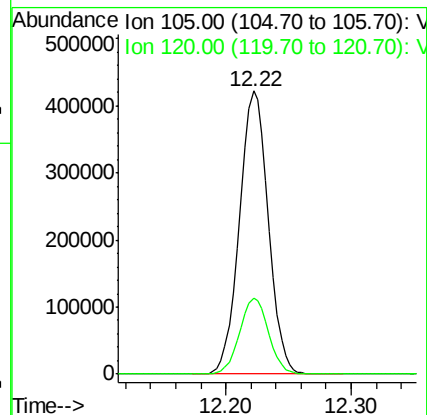
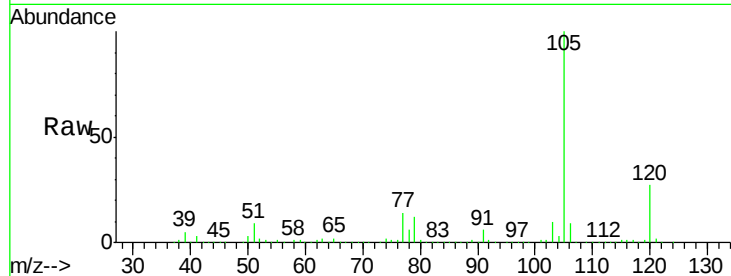
SS013-13-6511-120120

Tot Ion: 105 Resp: 673626

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#75

1,1,2,2-Tetrachloroethane

Concen: 0.245 ug/l

RT: 12.50 min Scan# 3348

Delta R.T. 0.03 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

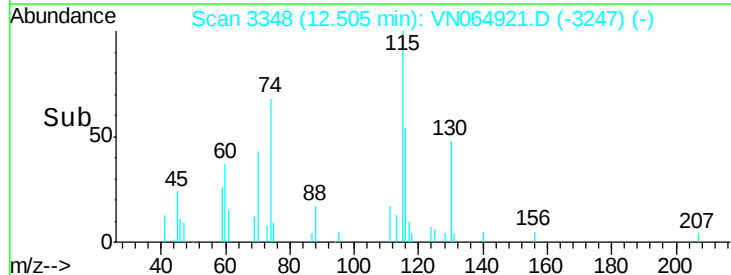
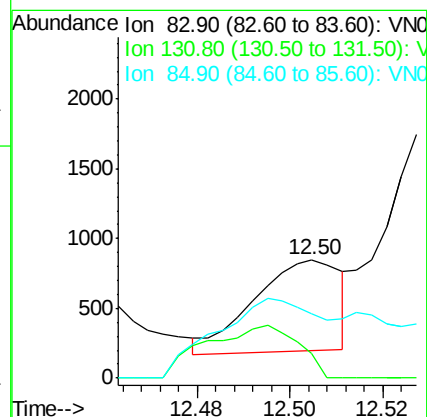
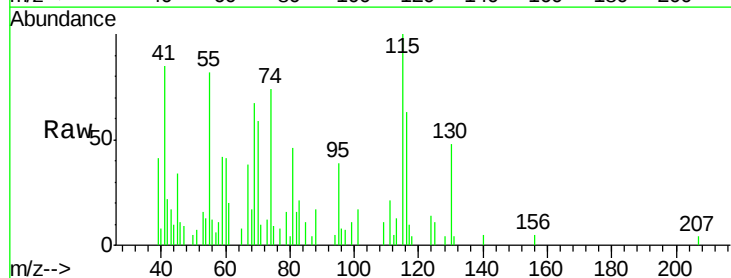
Tgt Ion: 83 Resp: 846

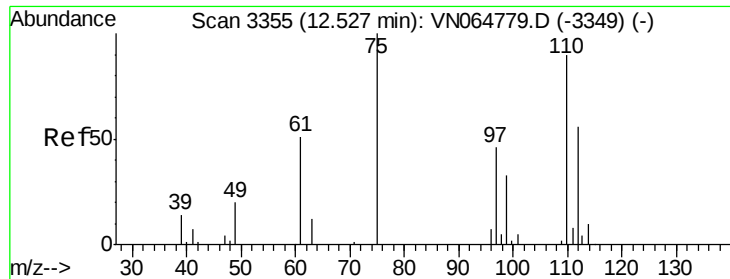
Ion Ratio Lower Upper

83 100

131 61.7 5.1 15.3#

85 102.4 33.0 99.0#





#76

1,2,3-Trichloropropane

Concen: 1.312 ug/l

RT: 12.57 min Scan# 3368

Delta R.T. 0.04 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

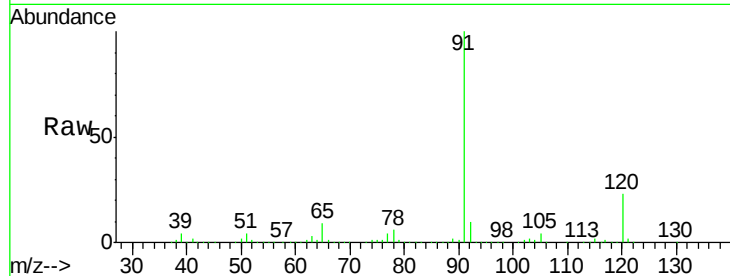
SS013-13-6511-120120

Tot Ion: 75 Resp: 4778

Ion Ratio Lower Upper

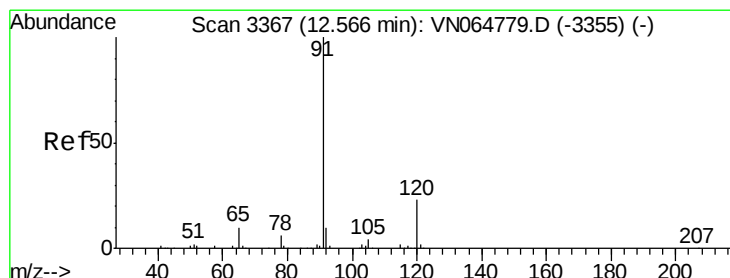
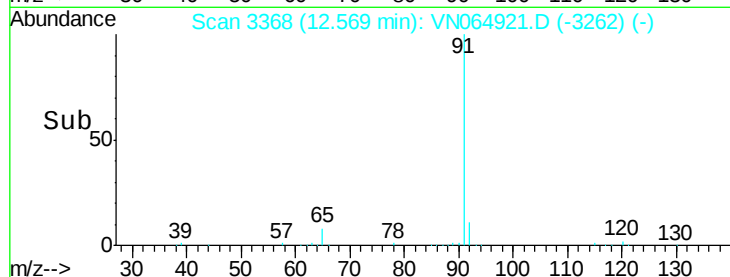
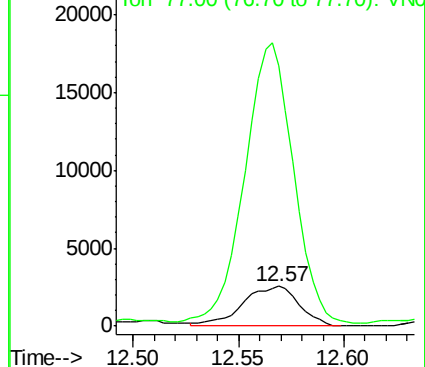
75 100

77 602.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 57.030 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064921.D

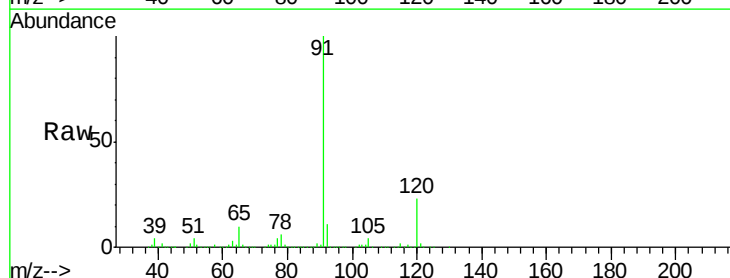
Acq: 4 Dec 2020 16:05

Tgt Ion: 91 Resp: 764211

Ion Ratio Lower Upper

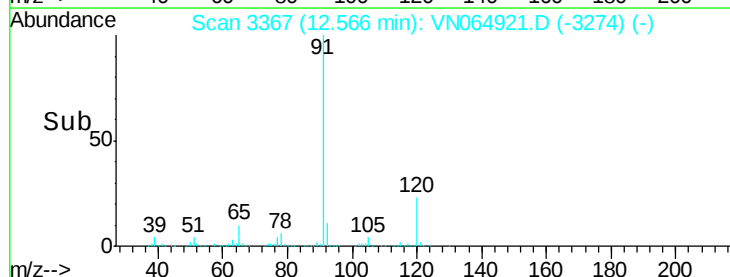
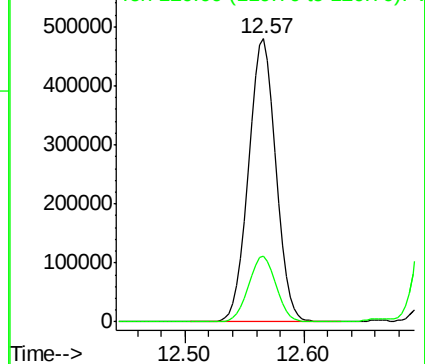
91 100

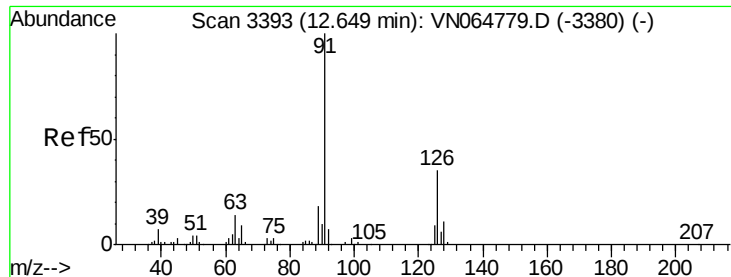
120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.903 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.06 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

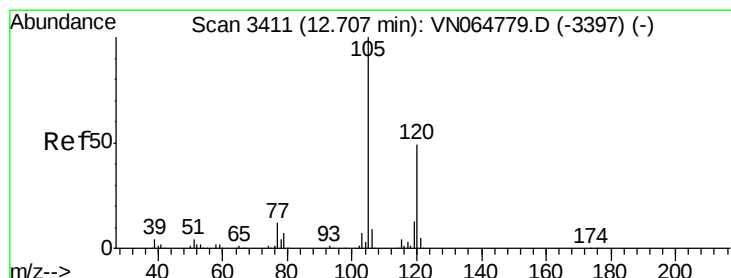
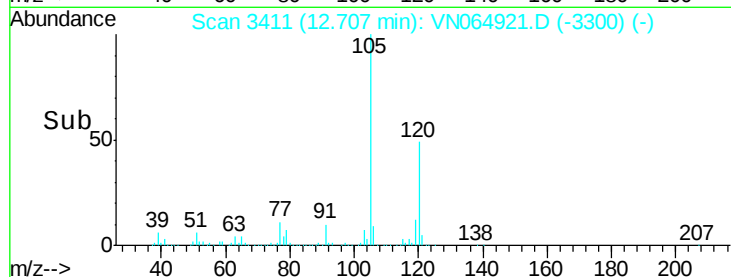
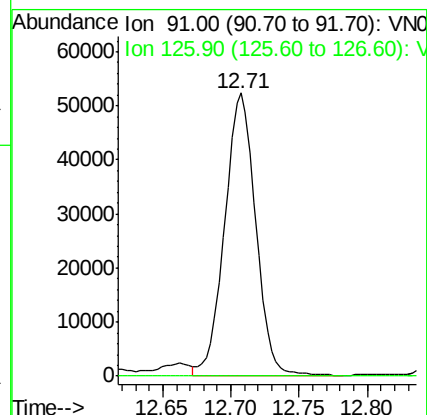
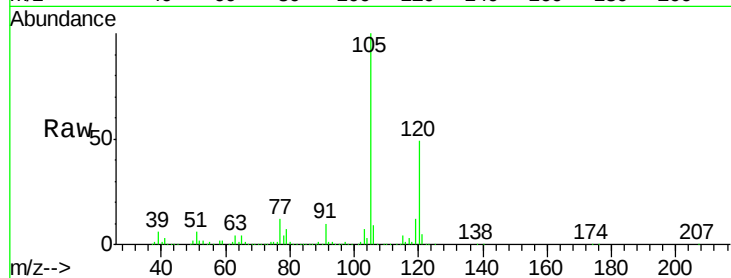
SS013-13-6511-120120

Tot Ion: 91 Resp: 82029

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



#80

1,3,5-Trimethylbenzene

Concen: 84.914 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064921.D

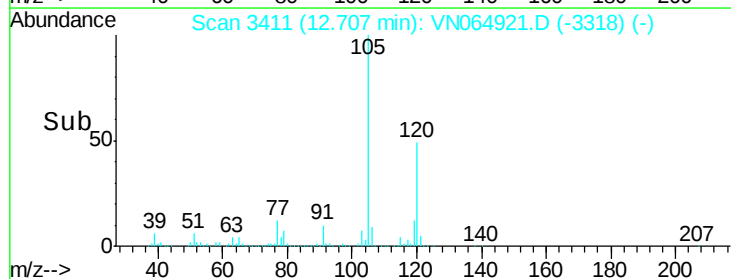
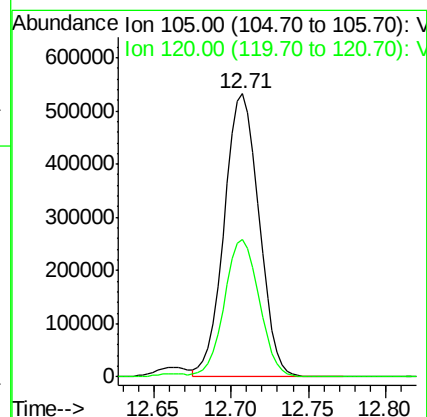
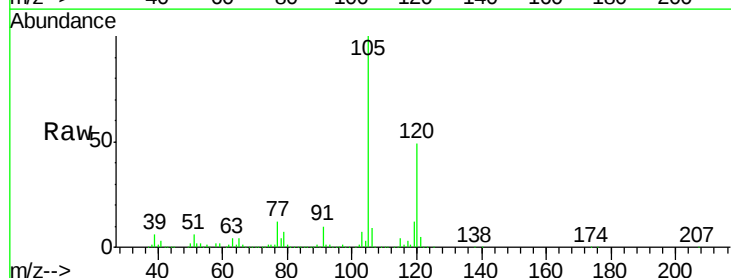
Acq: 4 Dec 2020 16:05

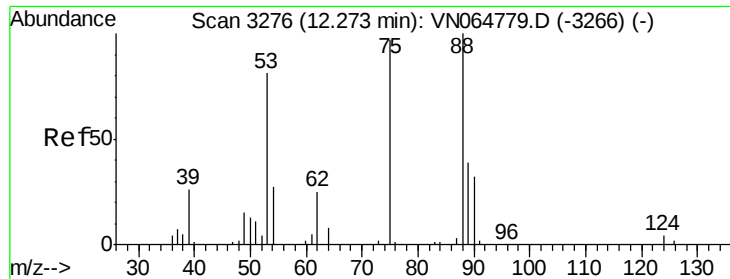
Tgt Ion: 105 Resp: 830209

Ion Ratio Lower Upper

105 100

120 48.6 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 5.586 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.05 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

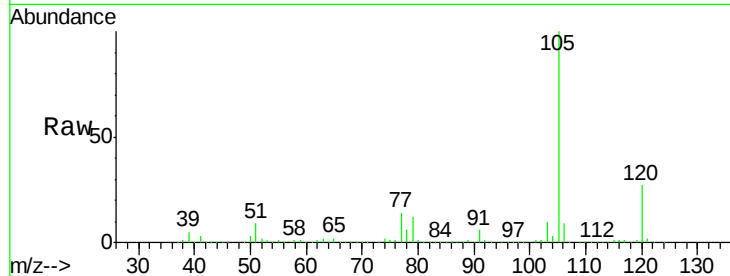
Tot Ion: 75 Resp: 7422

Ion Ratio Lower Upper

75 100

53 101.5 67.0 100.4#

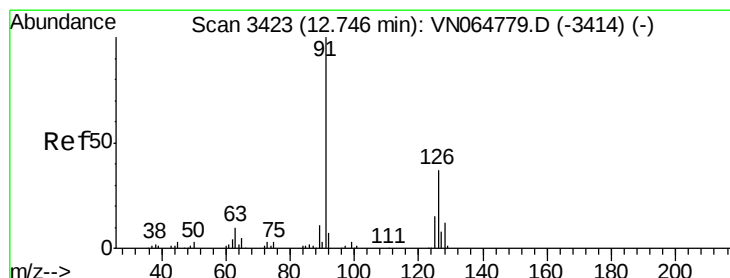
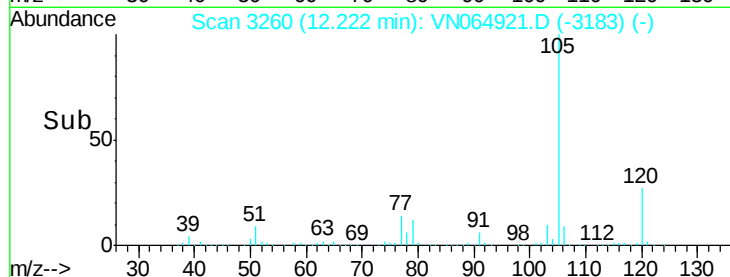
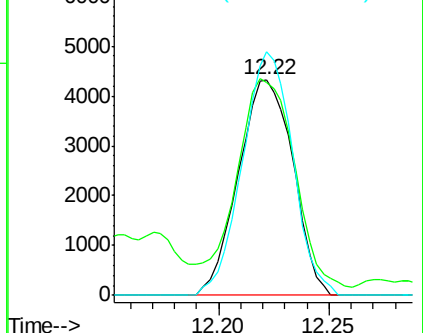
89 103.8 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064921.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064921.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064921.D (-3183) (-)



#82

4-Chlorotoluene

Concen: 9.448 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.04 min

Lab File: VN064921.D

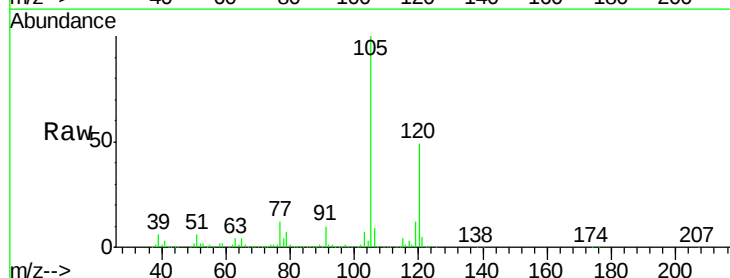
Acq: 4 Dec 2020 16:05

Tgt Ion: 91 Resp: 82029

Ion Ratio Lower Upper

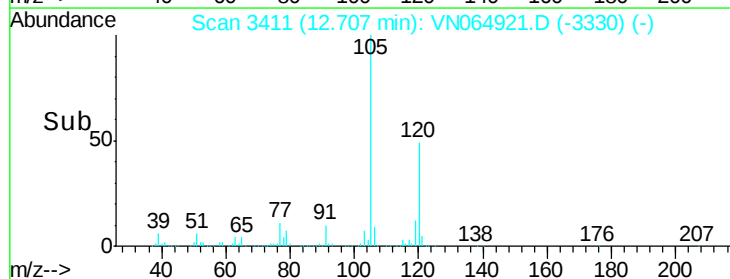
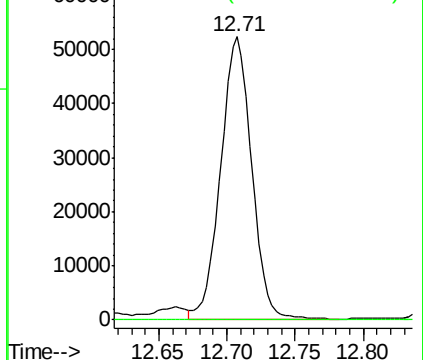
91 100

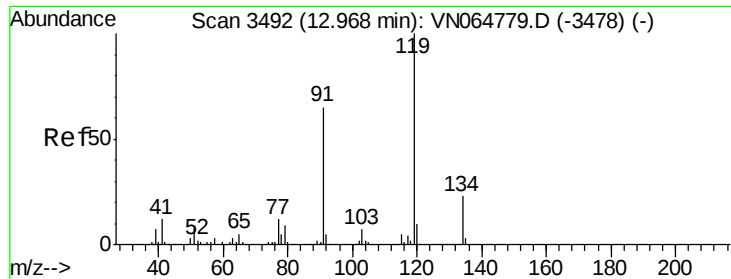
126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VN064921.D (-3330) (-)

Ion 125.90 (125.60 to 126.60): VN064921.D (-3330) (-)

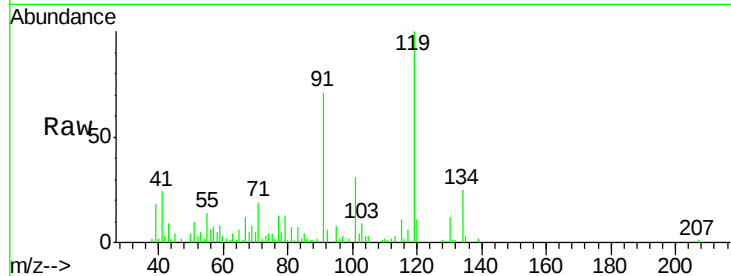




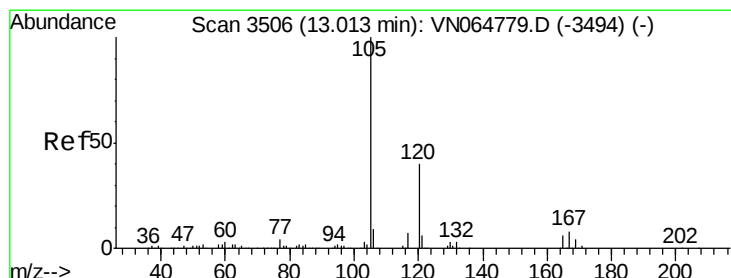
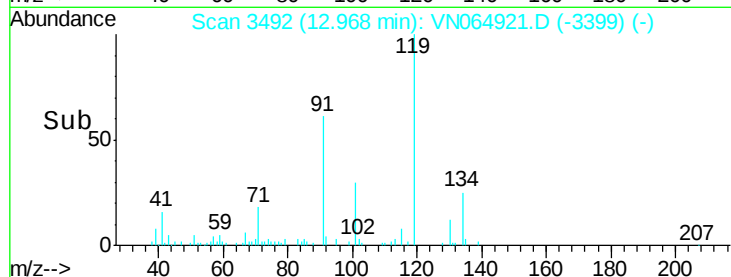
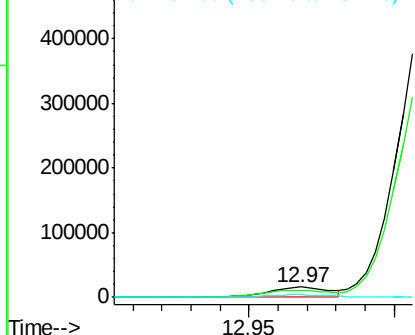
#83
 tert-Butylbenzene
 Concen: 2.923 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6511-120120

Tot Ion:119 Resp: 23954
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.3 96.8#
 134 26.2 12.6 37.6

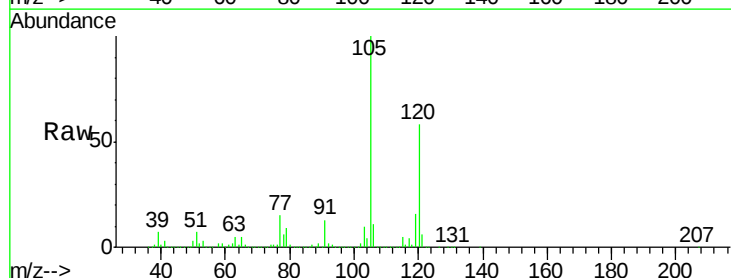


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

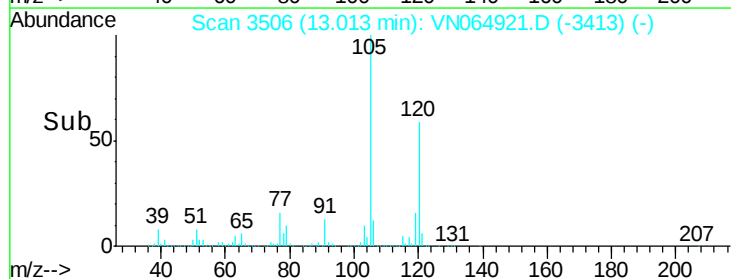
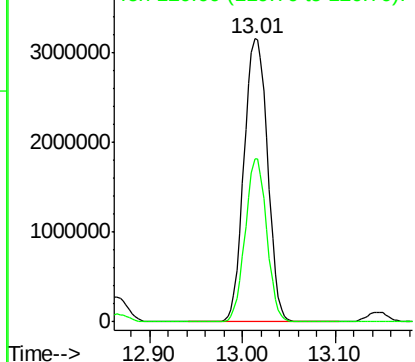


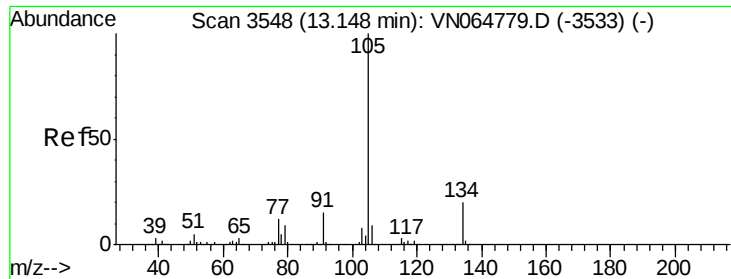
#84
 1,2,4-Trimethylbenzene
 Concen: 561.402 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Tgt Ion:105 Resp: 5549656
 Ion Ratio Lower Upper
 105 100
 120 52.6 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 16.305 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

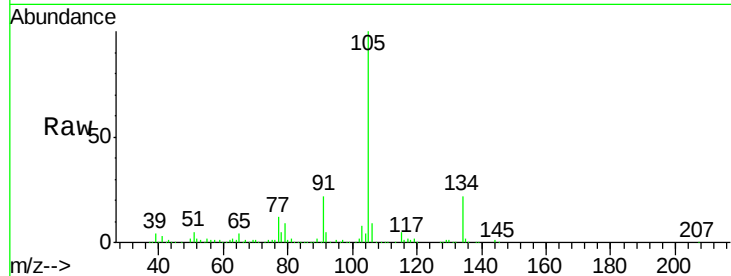
SS013-13-6511-120120

Tot Ion:105 Resp: 177411

Ion Ratio Lower Upper

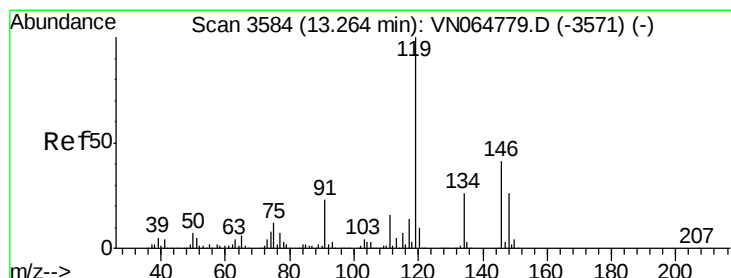
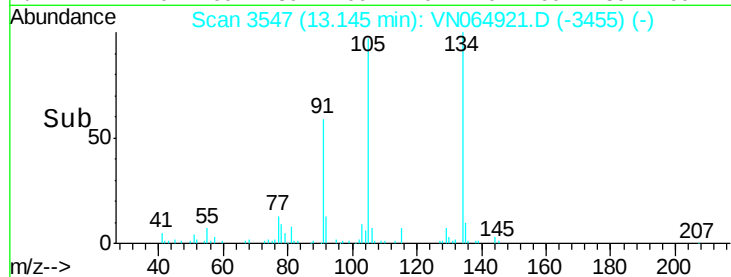
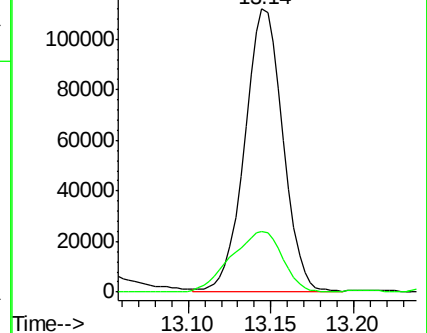
105 100

134 29.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 14.080 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

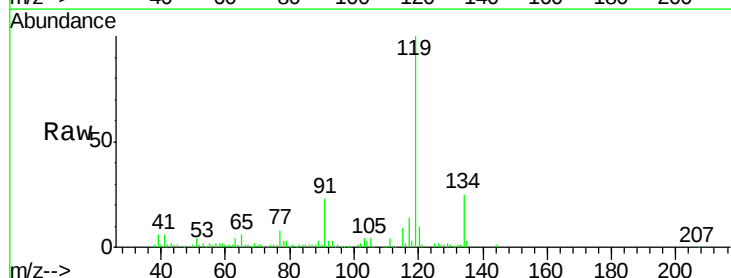
Tgt Ion:119 Resp: 139483

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

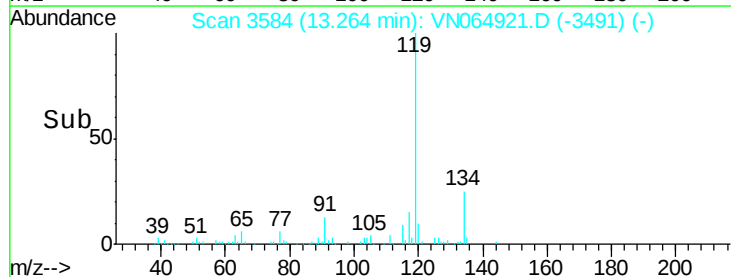
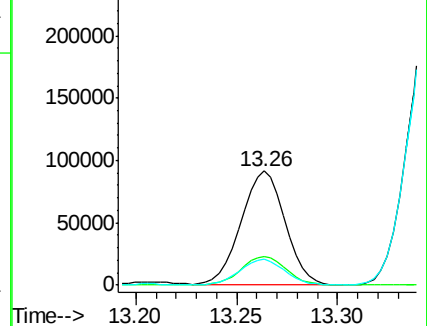
91 22.5 11.5 34.5

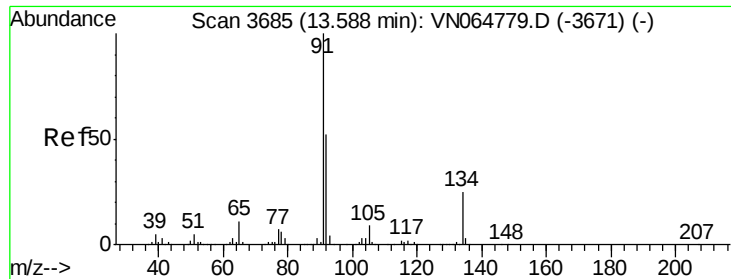


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 9.764 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

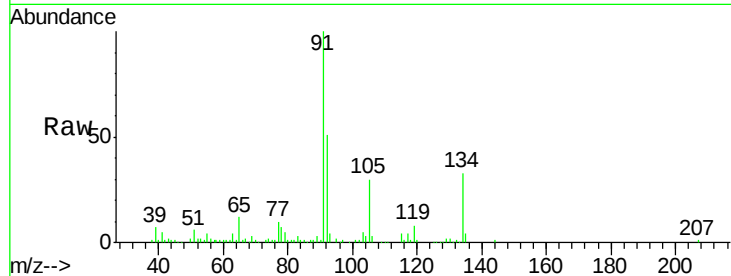
Tot Ion: 91 Resp: 84947

Ion Ratio Lower Upper

91 100

92 62.9 26.0 78.0

134 0.0 12.9 38.6#

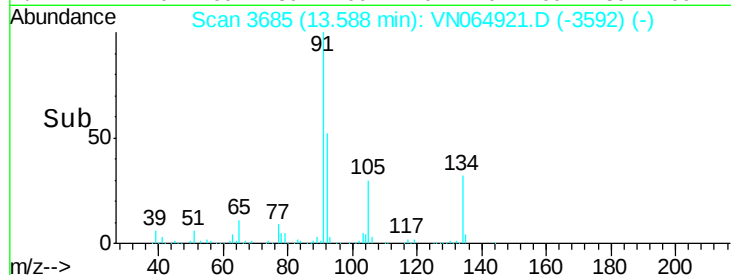


Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN064779.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064779.D (-3671) (-)

Time--> 13.55 13.60

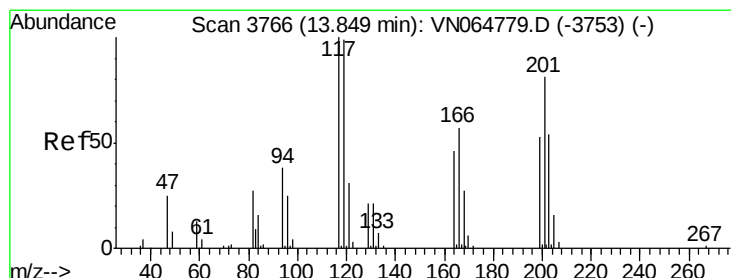


Abundance Ion 91.00 (90.70 to 91.70): VN064921.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN064921.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN064921.D (-3592) (-)

Time--> 13.55 13.60



#90

Hexachloroethane

Concen: 30.873 ug/l

RT: 13.86 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN064921.D

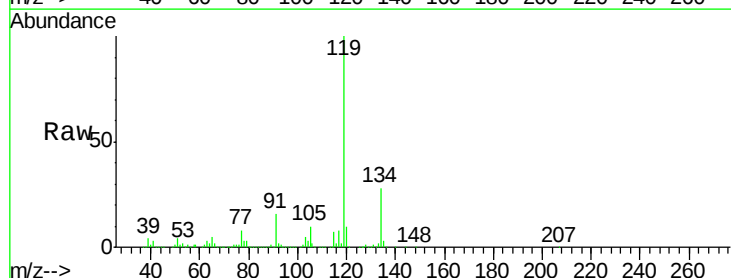
Acq: 4 Dec 2020 16:05

Tgt Ion: 117 Resp: 53130

Ion Ratio Lower Upper

117 100

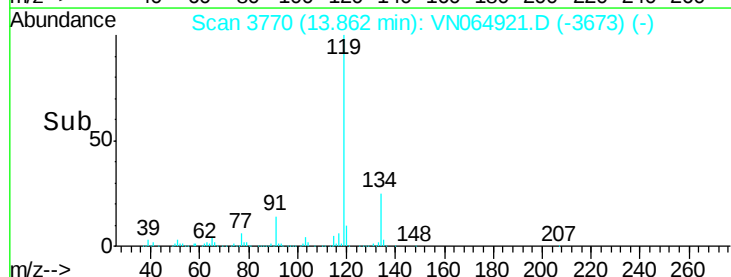
201 0.0 40.1 120.3#



Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-3753) (-)

Ion 200.70 (200.40 to 201.40): VN064779.D (-3753) (-)

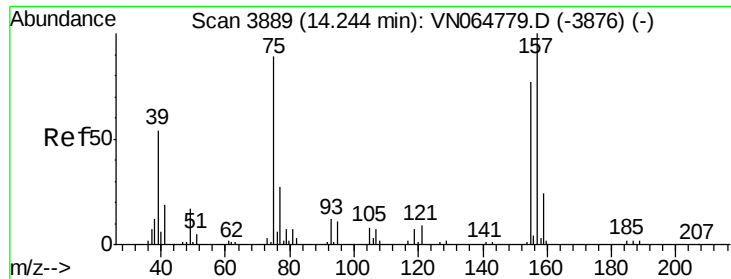
Time--> 13.85 13.90



Abundance Ion 116.80 (116.50 to 117.50): VN064921.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN064921.D (-3673) (-)

Time--> 13.85 13.90



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.244 ug/l

RT: 14.26 min Scan# 3894

Delta R.T. 0.02 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

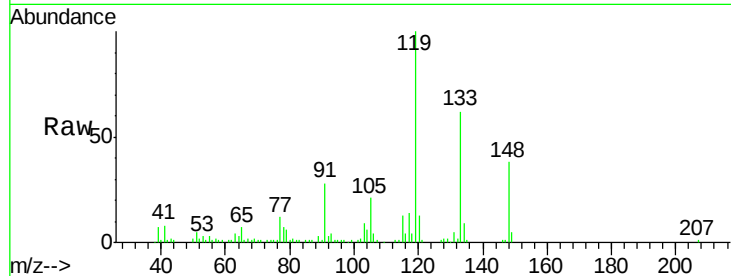
Tot Ion: 75 Resp: 189

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.3#

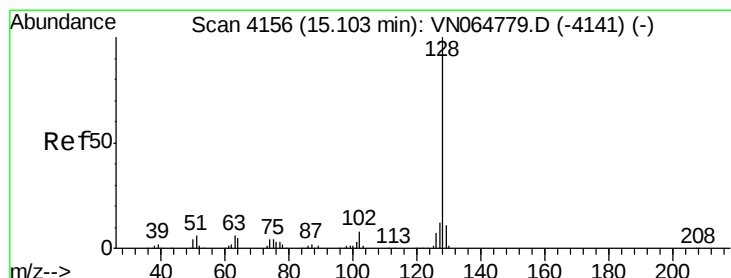
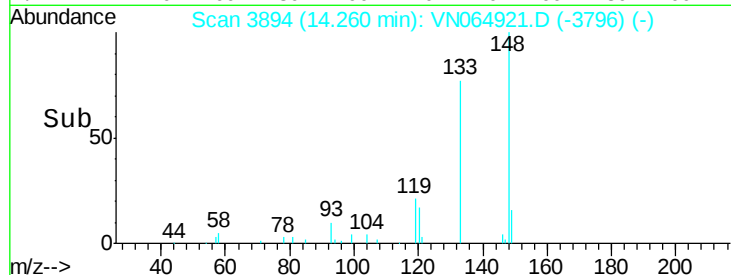
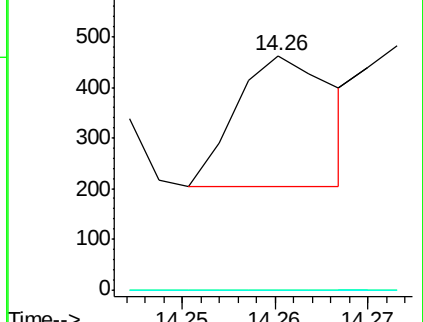
157 0.0 56.4 169.1#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3876) (-)

Ion 154.80 (154.50 to 155.50): VN064779.D (-3876) (-)

Ion 156.80 (156.50 to 157.50): VN064779.D (-3876) (-)



#95

Naphthalene

Concen: 190.325 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

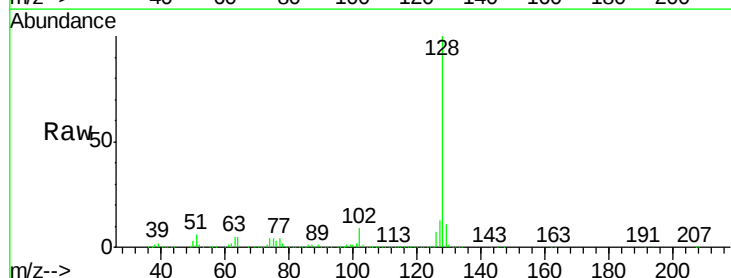
Tgt Ion:128 Resp: 1951333

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VN064779.D (-4141) (-)

Ion 127.00 (126.70 to 127.70): VN064779.D (-4141) (-)

Ion 129.00 (128.70 to 129.70): VN064779.D (-4141) (-)

