

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064930.D
 Acq On : 4 Dec 2020 19:43
 Operator : JC/MD
 Sample : L4954-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220

Quant Time: Dec 05 01:35:52 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	7.63	168	189991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	330139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	341337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167423	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	108138	48.96	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.92%	
35) Dibromofluoromethane		7.55	113	100619	50.93	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.86%	
50) Toluene-d8		10.06	98	449640	55.71	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	111.42%	
62) 4-Bromofluorobenzene		12.37	95	170601	59.06	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	885	0.414	ug/l #	88
13) Acrolein	3.75	56	4752	22.585	ug/l #	78
14) Allyl chloride	4.48	41	22564	7.426	ug/l #	48
15) Acrylonitrile	5.00	53	6581	6.916	ug/l #	44
16) Acetone	3.76	43	16474	22.689	ug/l #	54
18) Methyl Acetate	4.48	43	51161	23.436	ug/l #	50
20) Methylene Chloride	4.50	84	1563	0.687	ug/l #	72
25) 2-Butanone	6.77	43	3182	2.703	ug/l #	49
26) 2,2-Dichloropropane	6.57	77	1310	0.416	ug/l #	52
29) Tetrahydrofuran	7.34	42	627	0.772	ug/l #	1
30) Chloroform	7.61	83	8728	2.328	ug/l #	30
31) Cyclohexane	7.61	56	273977	88.997	ug/l	98
36) 1,1-Dichloropropene	7.62	75	13444	4.393	ug/l #	73
37) Ethyl Acetate	6.77	43	3182	1.080	ug/l #	66
38) Carbon Tetrachloride	7.63	117	17609	5.530	ug/l #	16
39) Methylcyclohexane	9.05	83	1398143	424.430	ug/l	97
40) Benzene	8.00	78	2139	0.228	ug/l #	78
41) Methacrylonitrile	7.35	41	6317	4.644	ug/l #	29
43) Isopropyl Acetate	8.11	43	46068	9.713	ug/l #	59
45) 1,2-Dichloropropane	9.05	63	10750	4.427	ug/l #	1
46) Dibromomethane	9.05	93	699	0.431	ug/l #	2
47) Bromodichloromethane	9.33	83	4335	1.328	ug/l #	55
48) Methyl methacrylate	9.24	41	54184	23.907	ug/l #	41
51) 4-Methyl-2-Pentanone	9.97	43	1928	0.677	ug/l #	35
55) 1,1,2-Trichloroethane	10.50	97	120221	50.627	ug/l #	18
56) Ethyl methacrylate	10.40	69	62000	18.920	ug/l #	34
59) 2-Hexanone	10.69	43	13361	6.520	ug/l #	27
67) Ethyl Benzene	11.48	91	18528	1.513	ug/l	97
68) m/p-Xylenes	11.59	106	931	0.201	ug/l #	1
70) Styrene	12.22	104	7543	1.016	ug/l #	1
71) Bromoform	12.37	173	525	0.244	ug/l #	1
73) Isopropylbenzene	12.22	105	371180	31.873	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.45	83	1166	0.342	ug/l #	24
76) 1,2,3-Trichloropropane	12.57	75	3052	0.846	ug/l #	100

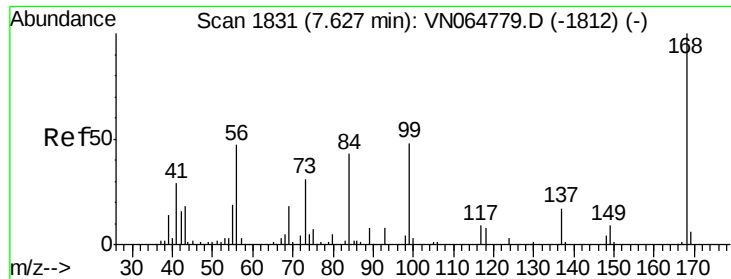
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Bromobenzene	12.47	156	25046	7.977	ug/l #	1
78) n-propylbenzene	12.57	91	463903	34.968	ug/l	98
79) 2-Chlorotoluene	12.57	91	463903	56.570	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.87	105	14799	1.529	ug/l	76
81) trans-1,4-Dichloro-2-buten	12.22	75	3739	2.842	ug/l #	43
82) 4-Chlorotoluene	12.57	91	463903	53.969	ug/l #	41
83) tert-Butylbenzene	12.97	119	15576	1.920	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	23623	2.414	ug/l	100
85) sec-Butylbenzene	13.14	105	103293	9.589	ug/l	82
86) p-Isopropyltoluene	13.41	119	41298	4.211	ug/l	96
89) n-Butylbenzene	13.59	91	43073	5.001	ug/l #	75
90) Hexachloroethane	13.86	117	24579	14.426	ug/l #	9
95) Naphthalene	15.10	128	341081	33.603	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

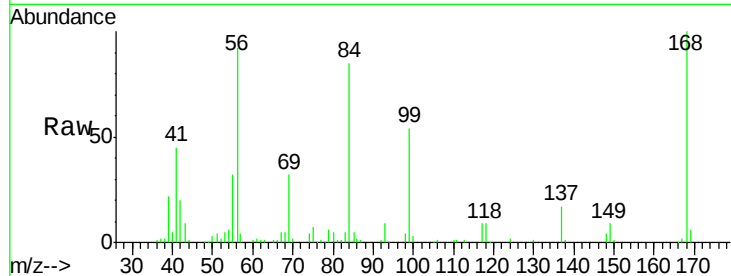
SS013-13-6702-120220

Tot Ion:168 Resp: 189991

Ion Ratio Lower Upper

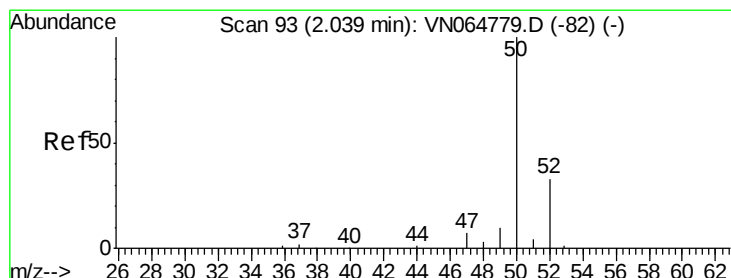
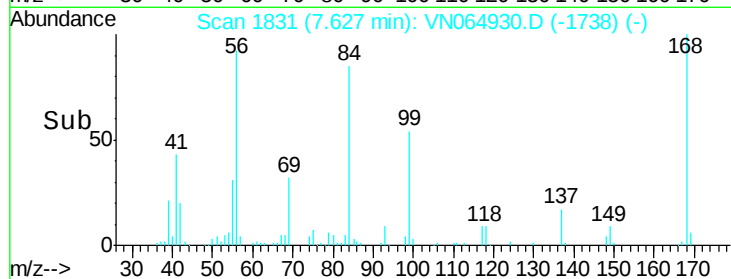
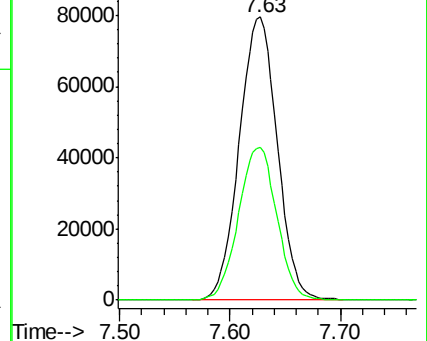
168 100

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): VNO



#3

Chloromethane

Concen: 0.414 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064930.D

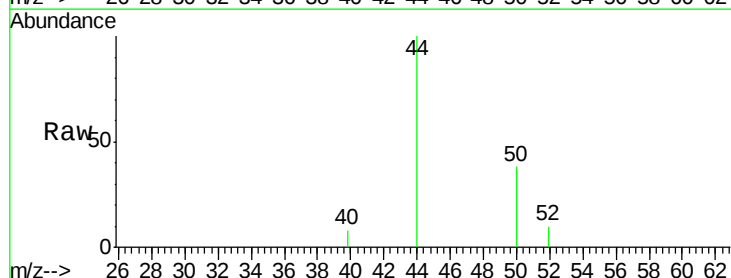
Acq: 4 Dec 2020 19:43

Tgt Ion: 50 Resp: 885

Ion Ratio Lower Upper

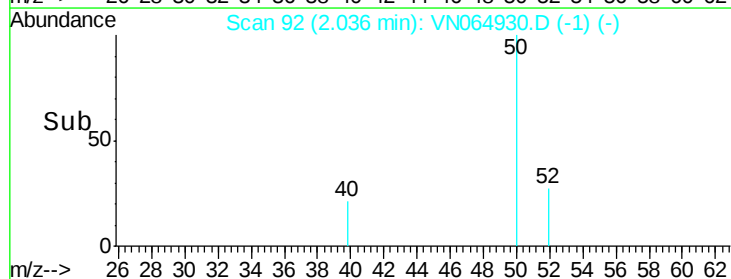
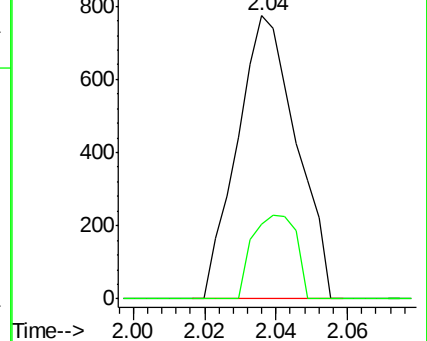
50 100

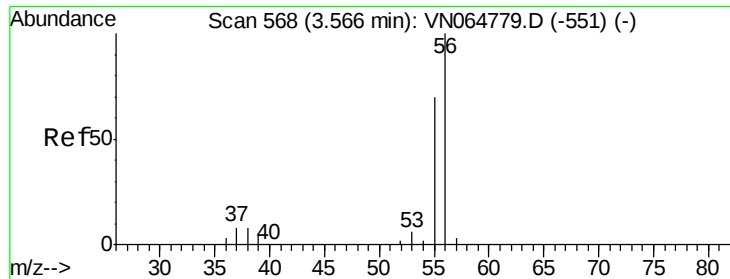
52 26.5 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#13

Acrolein

Concen: 22.585 ug/l

RT: 3.75 min Scan# 626

Delta R.T. 0.19 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

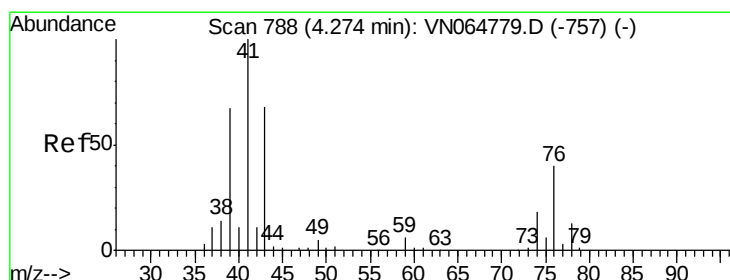
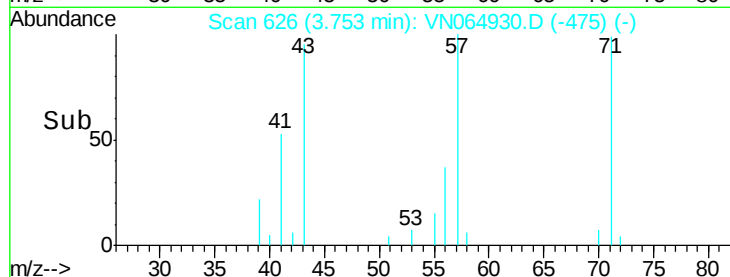
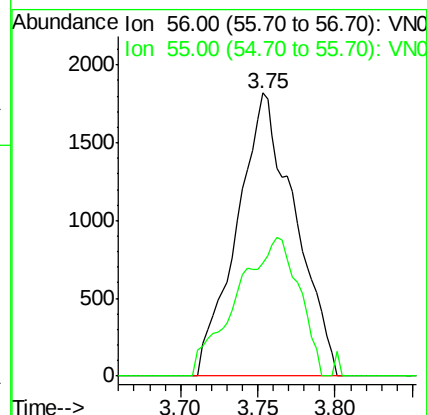
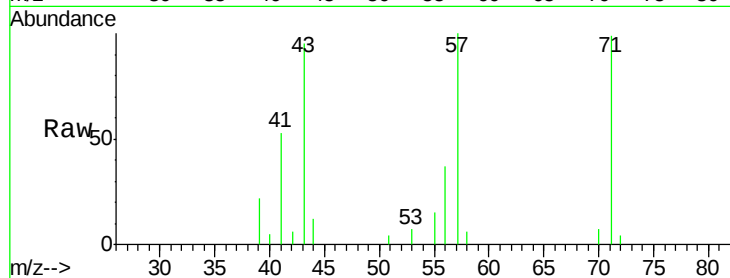
SS013-13-6702-120220

Tot Ion: 56 Resp: 4752

Ion Ratio Lower Upper

56 100

55 52.5 56.5 84.7#



#14

Allyl chloride

Concen: 7.426 ug/l

RT: 4.48 min Scan# 851

Delta R.T. 0.20 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

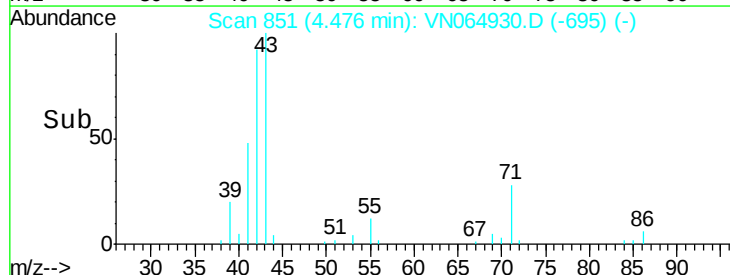
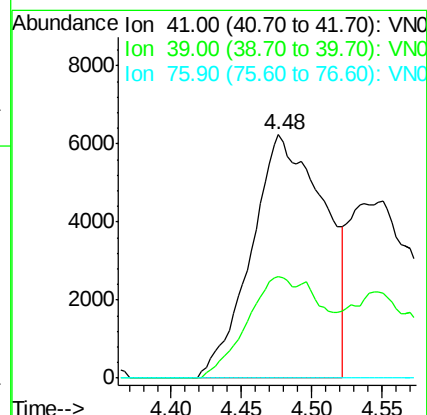
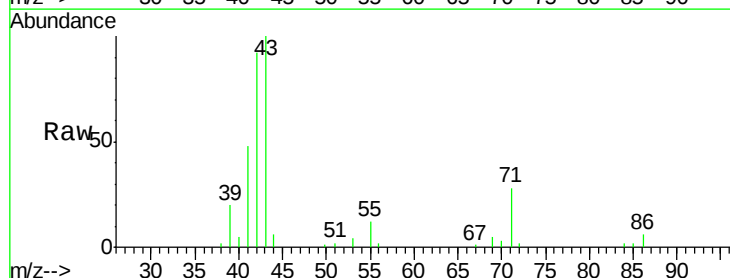
Tgt Ion: 41 Resp: 22564

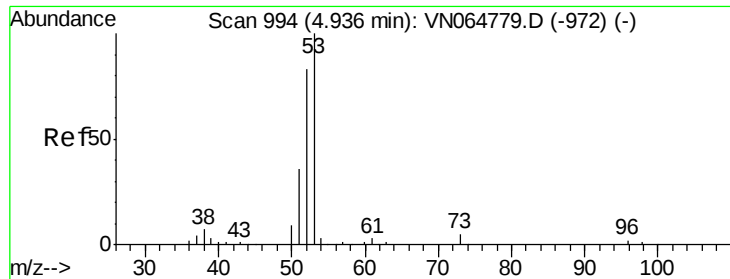
Ion Ratio Lower Upper

41 100

39 27.5 50.9 76.3#

76 0.0 29.0 43.4#





#15

Acrylonitrile

Concen: 6.916 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.06 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

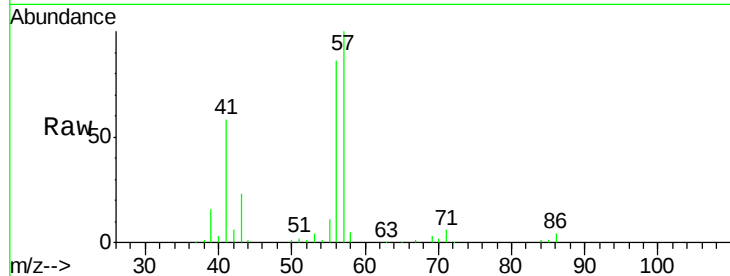
Tot Ion: 53 Resp: 6581

Ion Ratio Lower Upper

53 100

52 13.2 65.5 98.3#

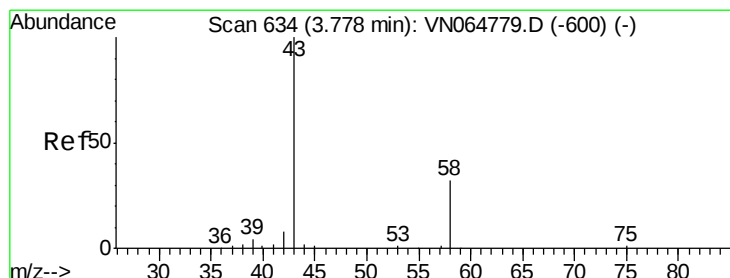
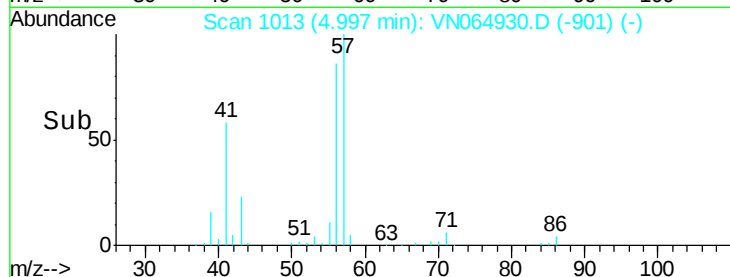
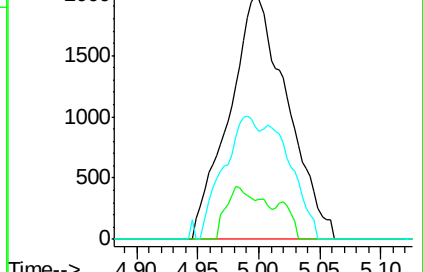
51 30.6 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN064930.D (-1013) (-)

Ion 52.00 (51.70 to 52.70): VN064930.D (-1013) (-)

Ion 51.00 (50.70 to 51.70): VN064930.D (-1013) (-)



#16

Acetone

Concen: 22.689 ug/l

RT: 3.76 min Scan# 627

Delta R.T. -0.02 min

Lab File: VN064930.D

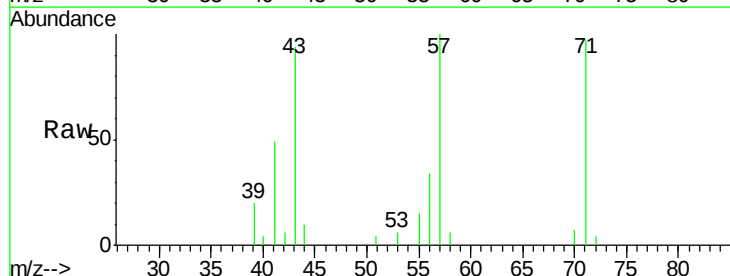
Acq: 4 Dec 2020 19:43

Tgt Ion: 43 Resp: 16474

Ion Ratio Lower Upper

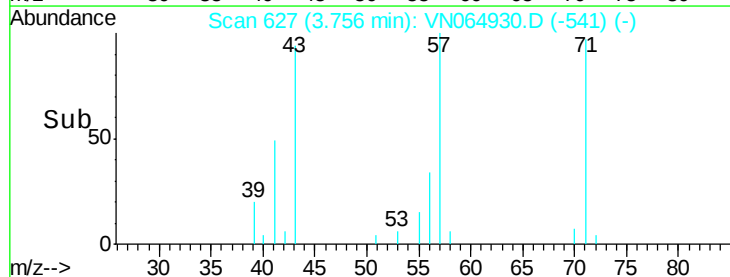
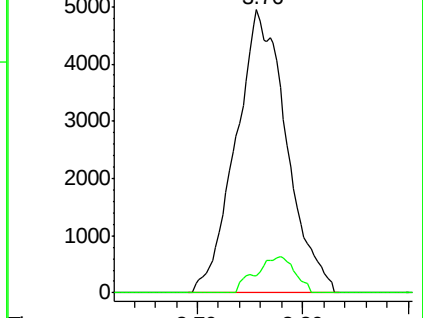
43 100

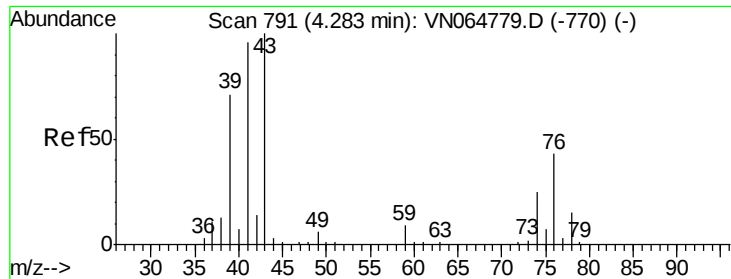
58 6.2 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN064930.D (-627) (-)

Ion 58.00 (57.70 to 58.70): VN064930.D (-627) (-)

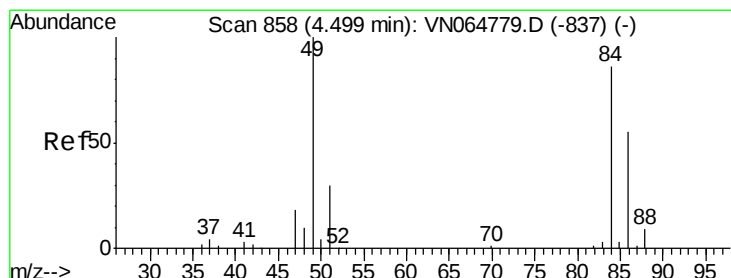
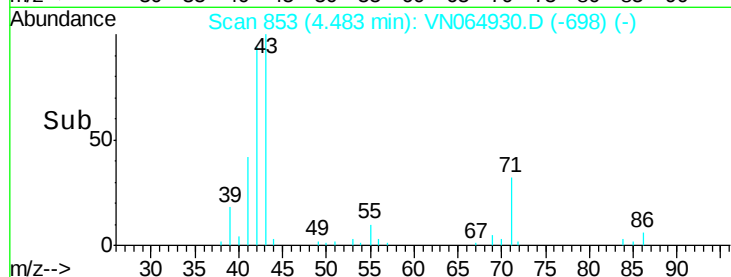
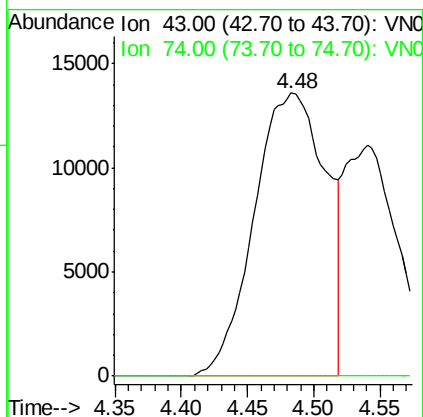
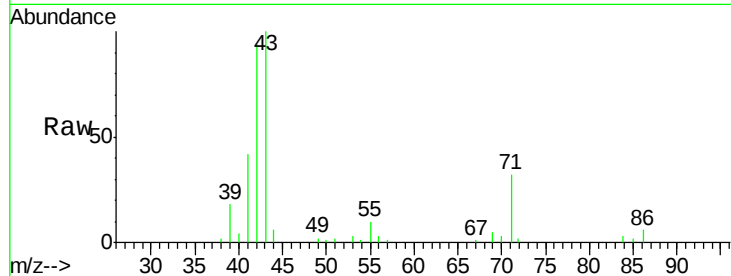




#18
Methyl Acetate
Concen: 23.436 ug/l
RT: 4.48 min Scan# 853
Delta R.T. 0.20 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

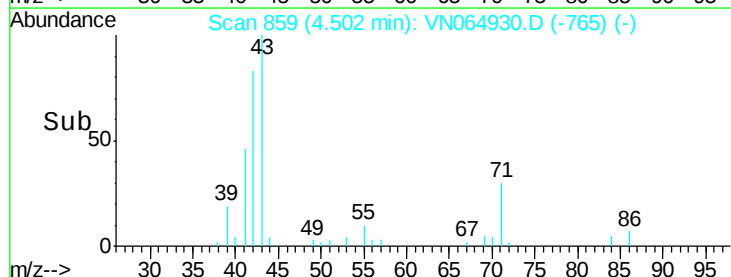
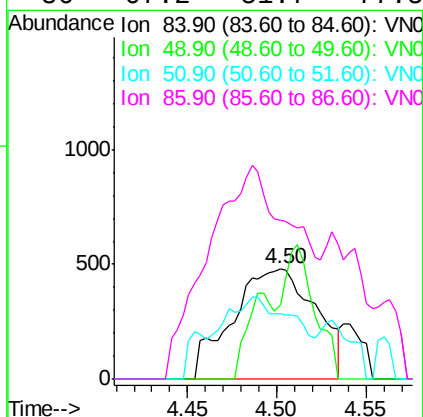
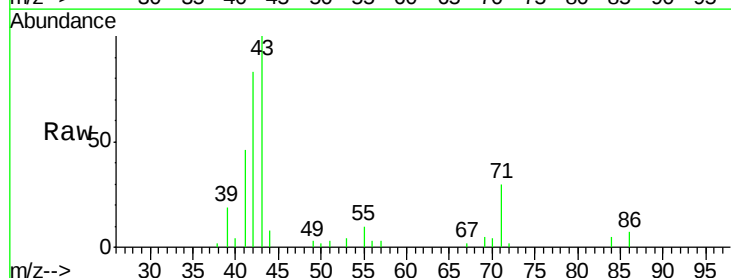
Instrument :
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SS013-13-6702-120220

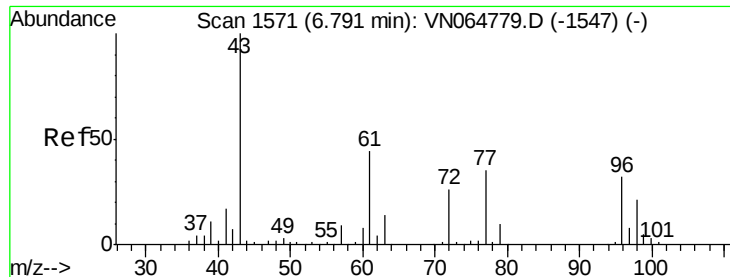
Tot Ion: 43 Resp: 51161
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.687 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 84 Resp: 1563
Ion Ratio Lower Upper
84 100
49 67.2 93.4 140.0#
51 24.3 28.2 42.4#
86 67.2 51.7 77.5

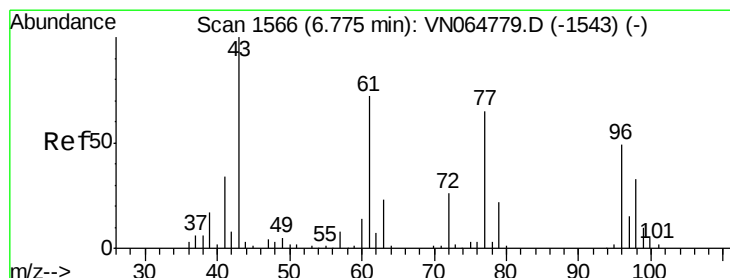
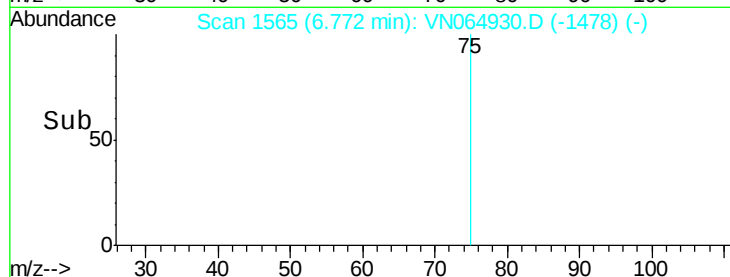
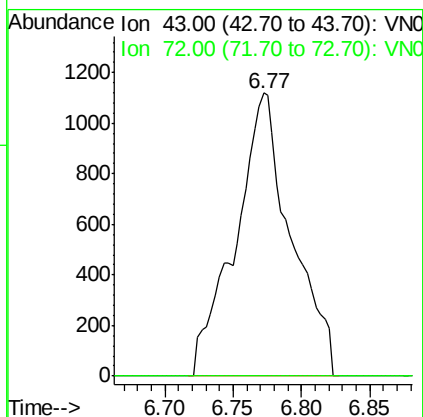
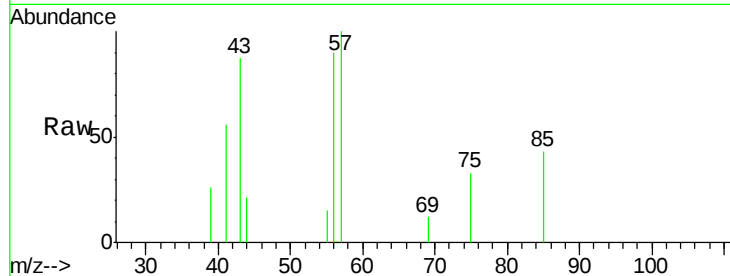




#25
2-Butanone
Concen: 2.703 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

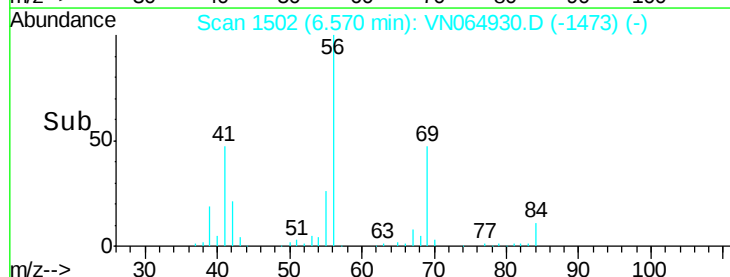
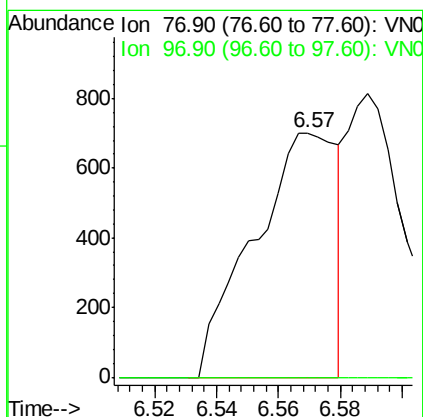
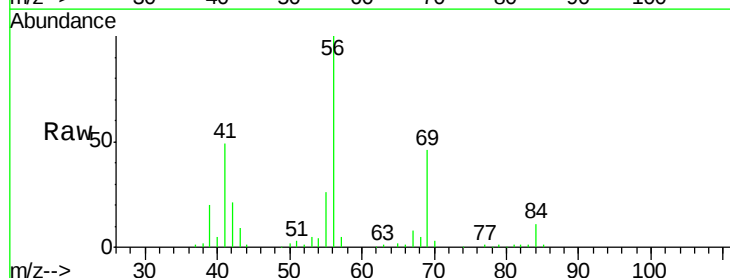
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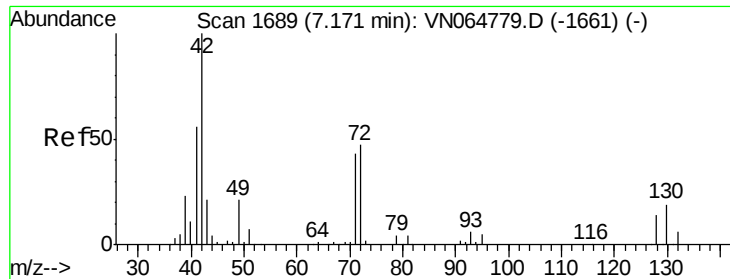
Tot Ion: 43 Resp: 3182
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#26
2,2-Dichloropropane
Concen: 0.416 ug/l
RT: 6.57 min Scan# 1502
Delta R.T. -0.21 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 77 Resp: 1310
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#





#29

Tetrahydrofuran

Concen: 0.772 ug/l

RT: 7.34 min Scan# 1741

Delta R.T. 0.17 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

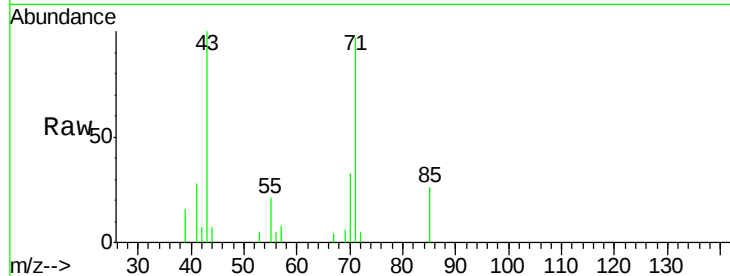
Tot Ion: 42 Resp: 627

Ion Ratio Lower Upper

42 100

72 167.1 36.6 54.8#

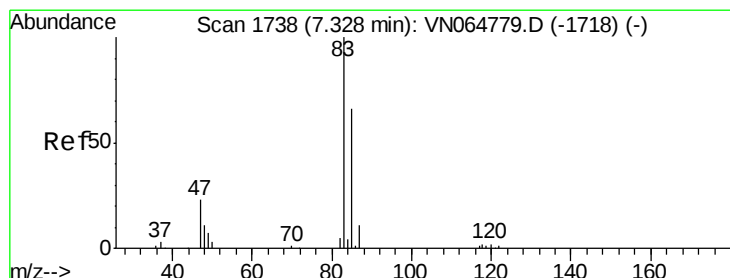
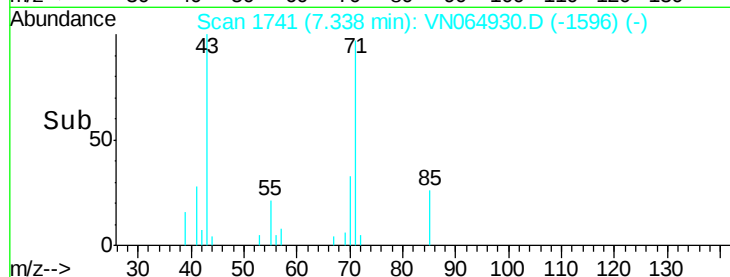
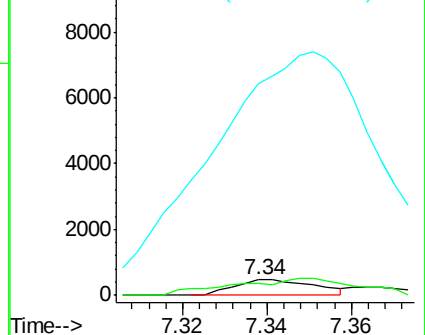
71 3454.5 33.6 50.4#



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



#30

Chloroform

Concen: 2.328 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.28 min

Lab File: VN064930.D

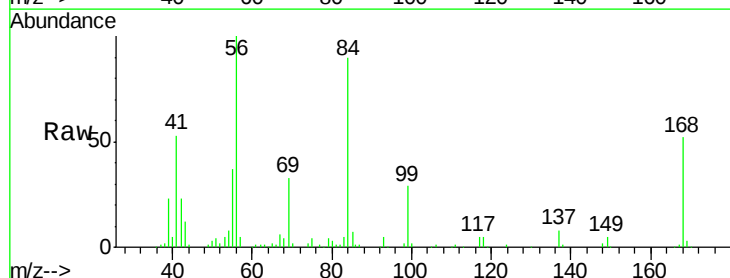
Acq: 4 Dec 2020 19:43

Tgt Ion: 83 Resp: 8728

Ion Ratio Lower Upper

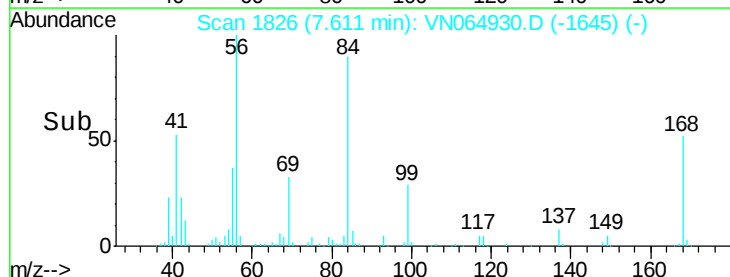
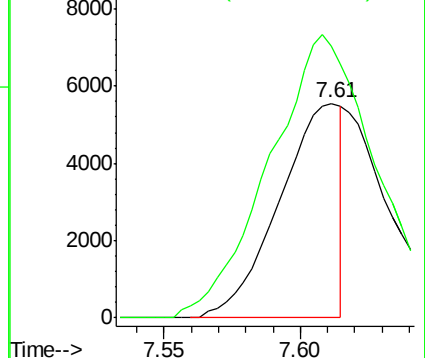
83 100

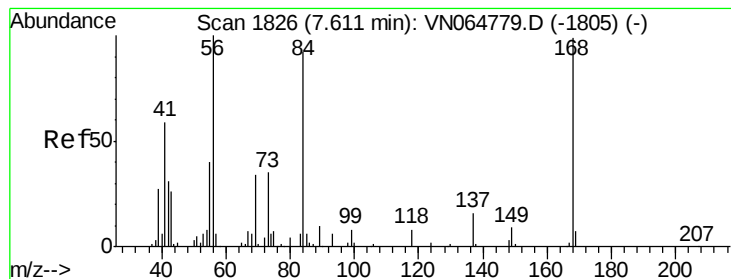
85 121.3 52.6 78.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 88.997 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

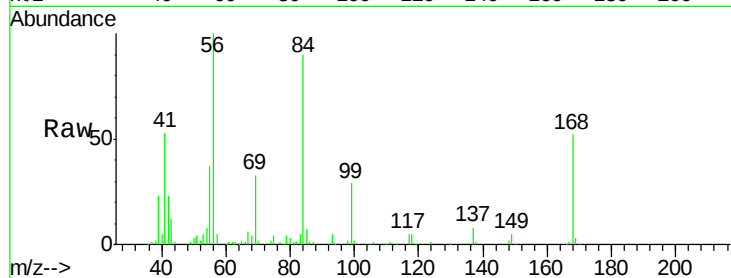
Tot Ion: 56 Resp: 273977

Ion Ratio Lower Upper

56 100

69 32.7 27.5 41.3

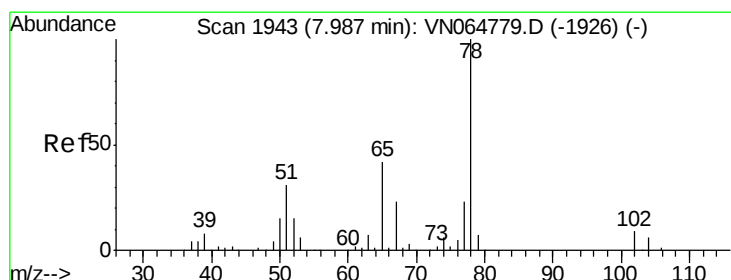
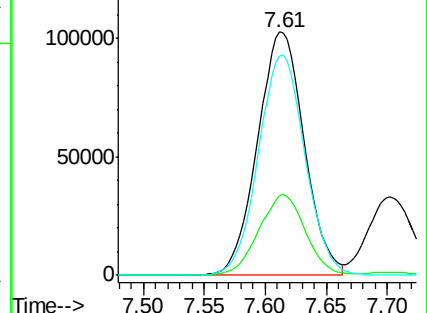
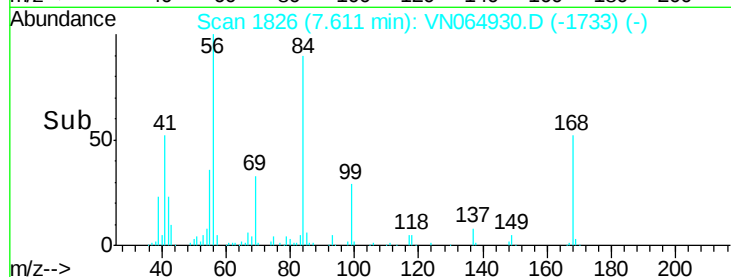
84 90.2 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VN064930.D (-1733) (-)

Ion 69.00 (68.70 to 69.70): VN064930.D (-1733) (-)

Ion 84.00 (83.70 to 84.70): VN064930.D (-1733) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.958 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064930.D

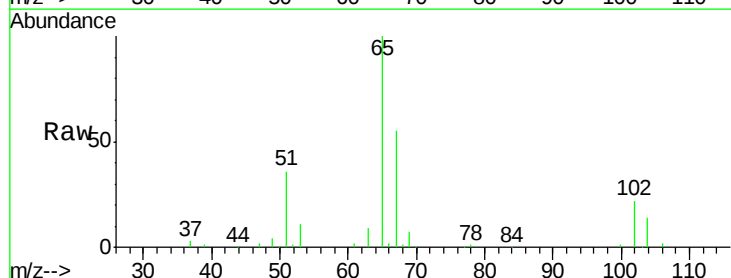
Acq: 4 Dec 2020 19:43

Tgt Ion: 65 Resp: 108138

Ion Ratio Lower Upper

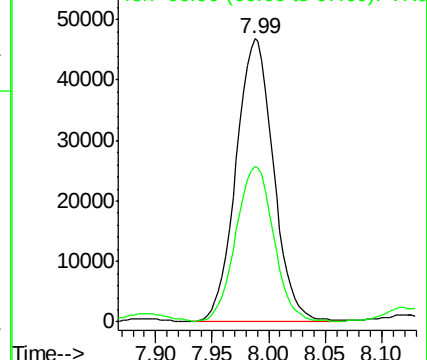
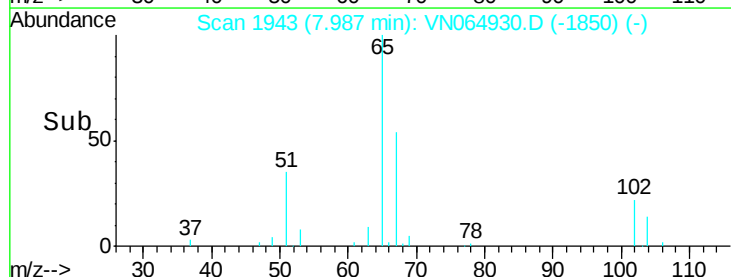
65 100

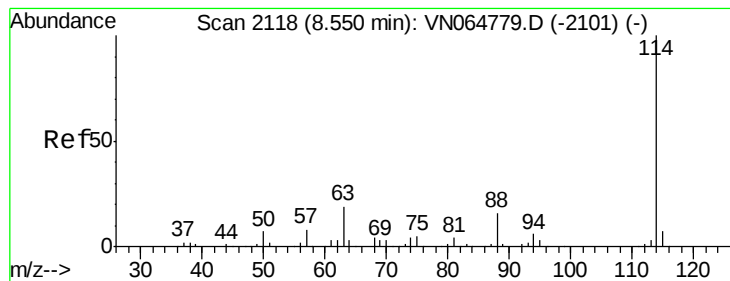
67 55.6 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064930.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064930.D (-1850) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

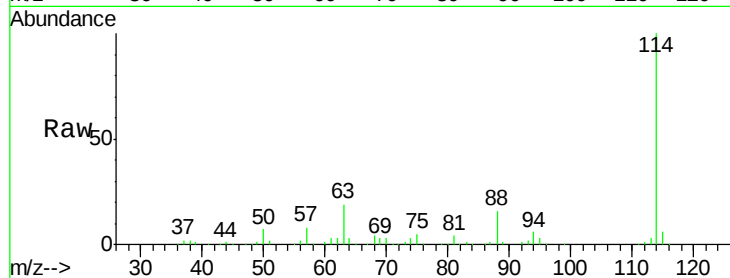
Tot Ion:114 Resp: 330139

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.6

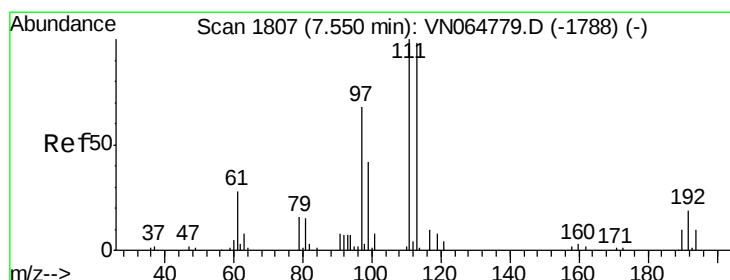
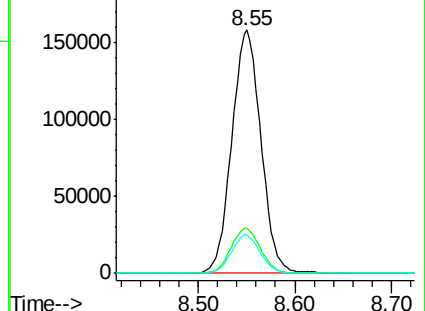
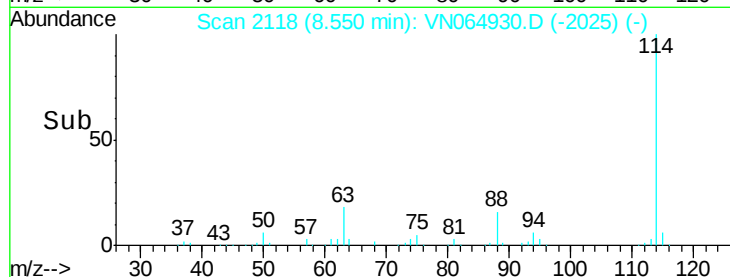
88 15.7 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.935 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

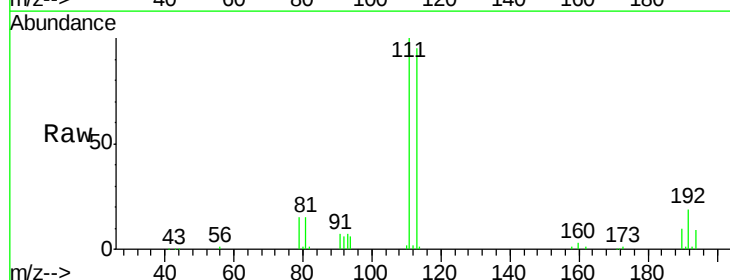
Tgt Ion:113 Resp: 100619

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

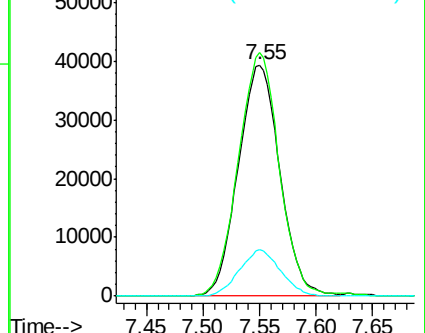
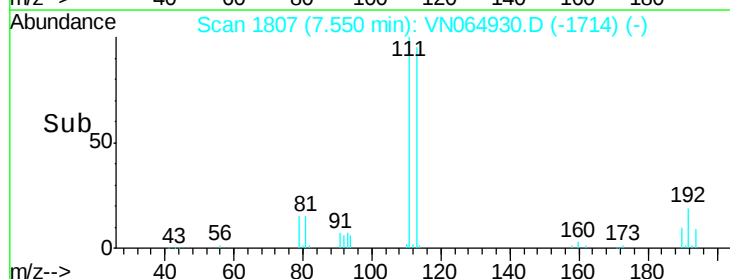
192 19.6 16.2 24.2

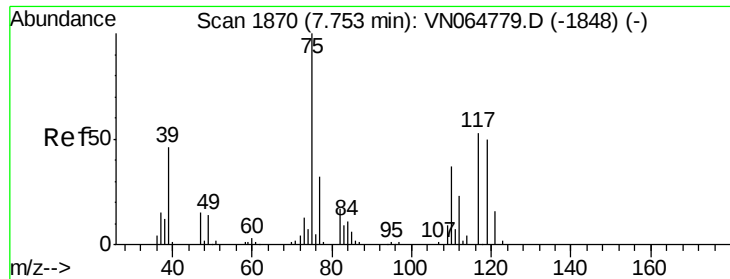


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

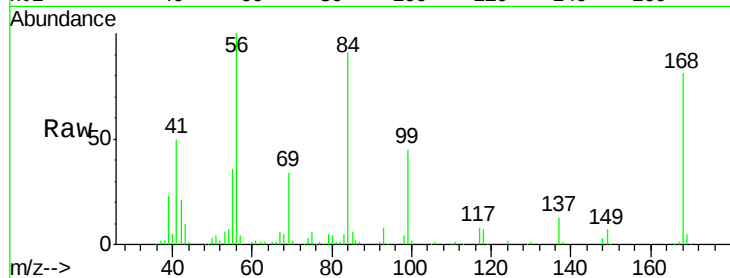
Tot Ion: 75 Resp: 13444

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.3#

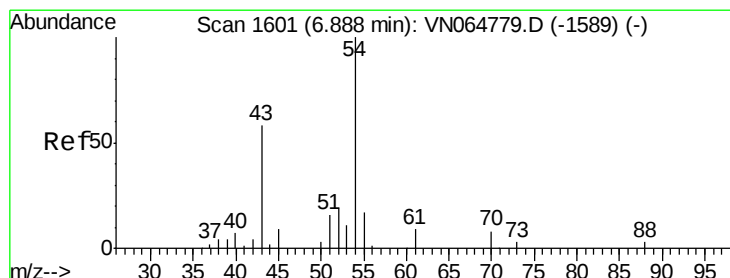
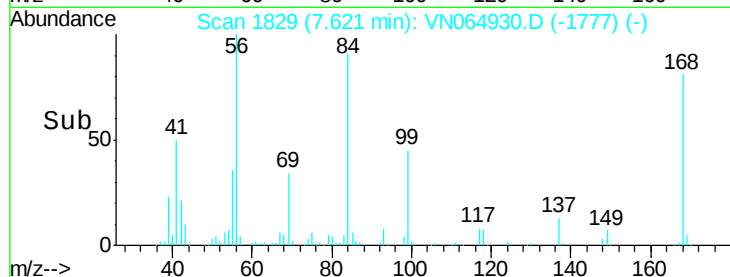
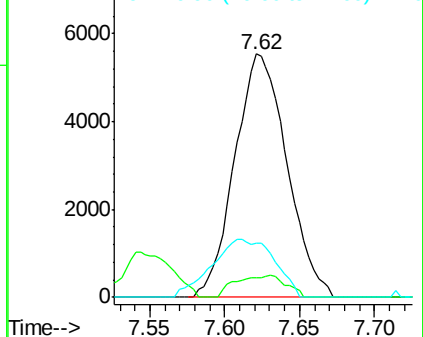
77 28.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 1.080 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.12 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

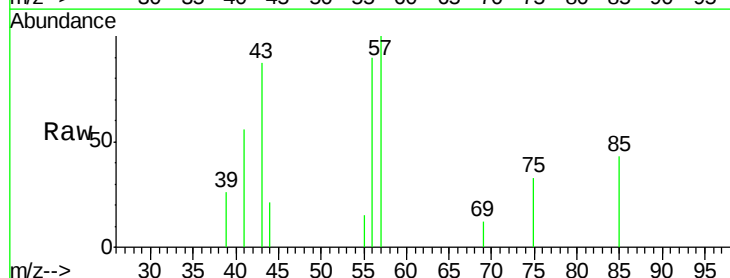
Tgt Ion: 43 Resp: 3182

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

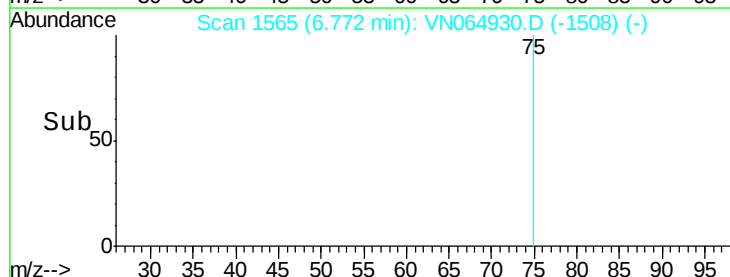
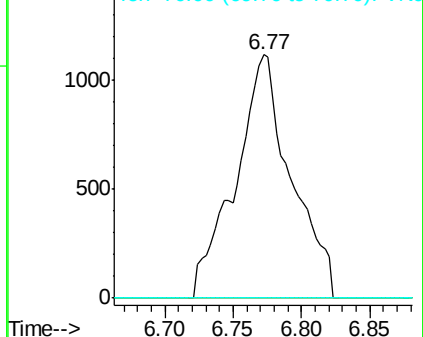
70 0.0 8.8 13.2#

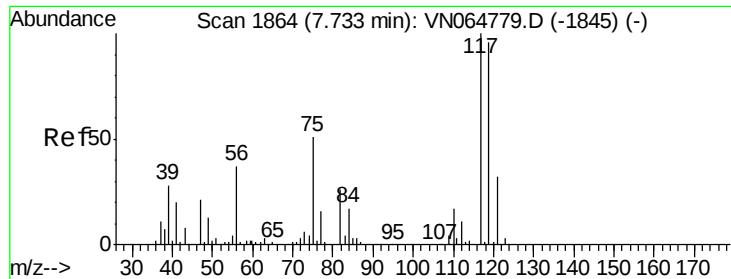


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

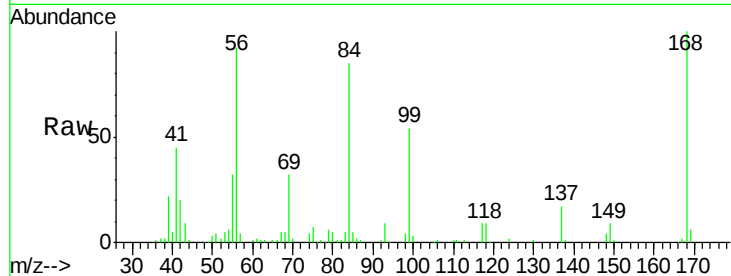




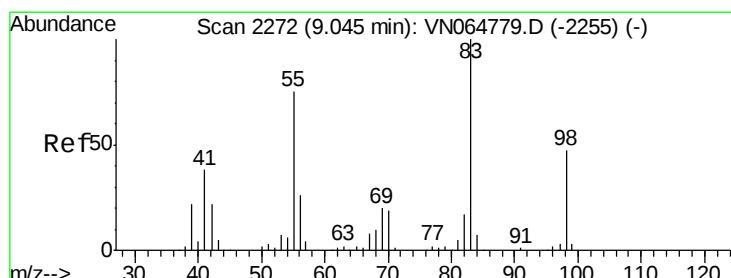
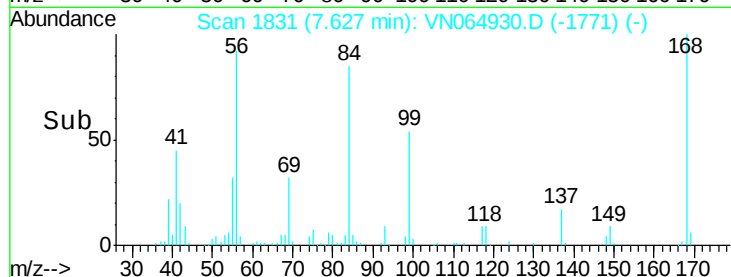
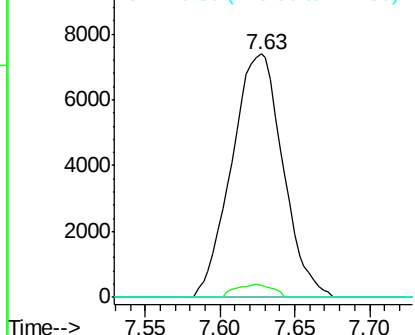
#38
Carbon Tetrachloride
Concen: 5.530 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220

Tot Ion:117 Resp: 17609
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 25.4 38.2#

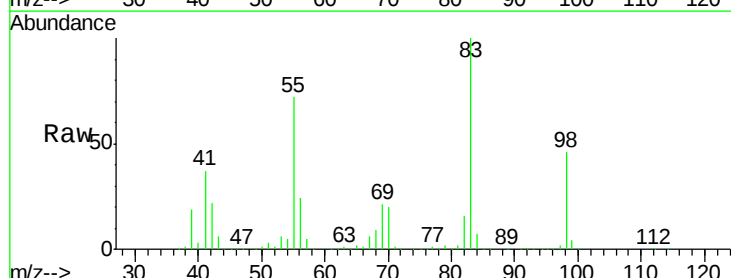


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

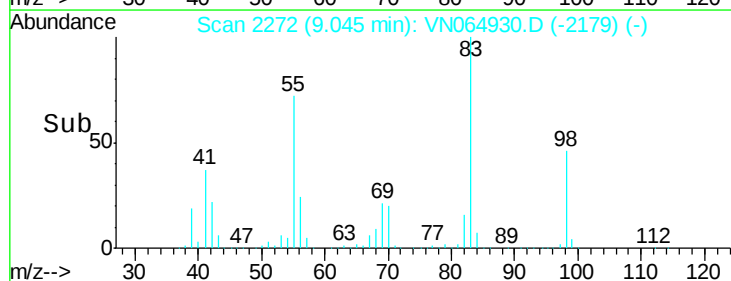
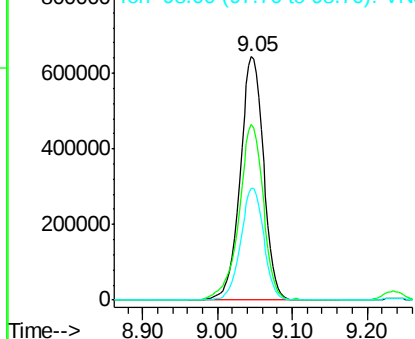


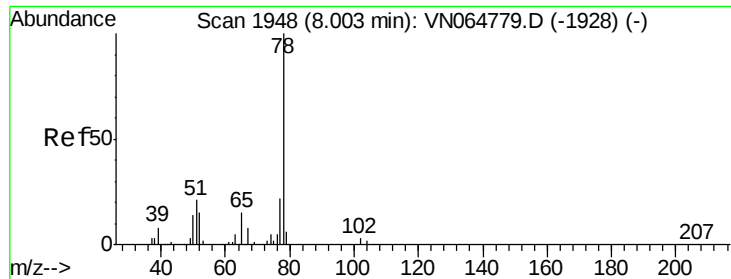
#39
Methylcyclohexane
Concen: 424.430 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 83 Resp: 1398143
Ion Ratio Lower Upper
83 100
55 72.1 60.2 90.2
98 46.1 37.4 56.2



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





#40

Benzene

Concen: 0.228 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

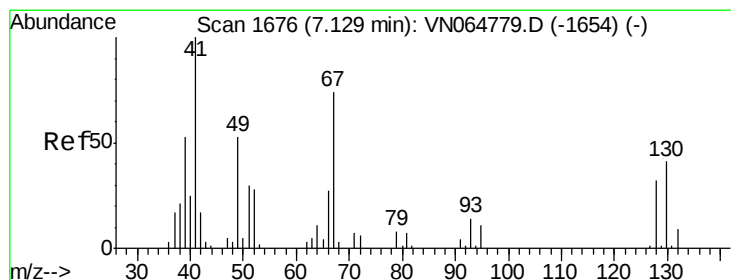
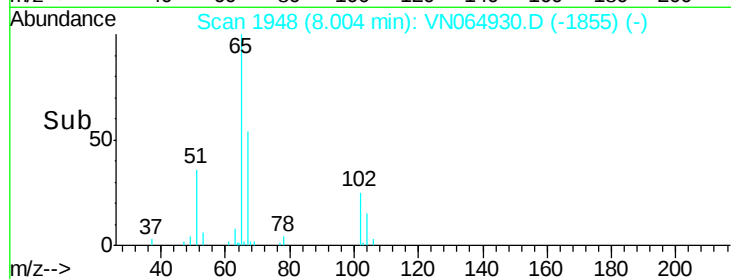
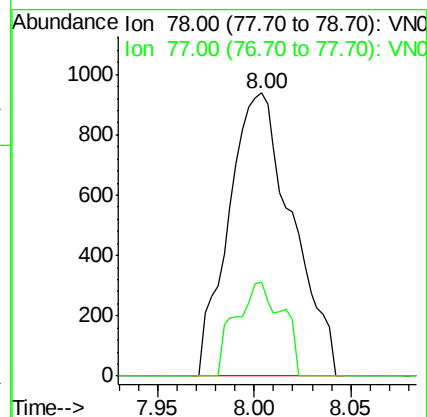
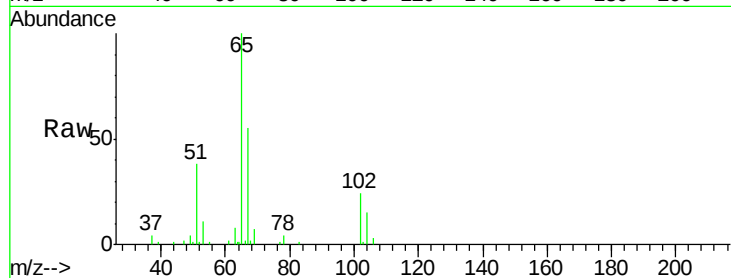
SS013-13-6702-120220

Tot Ion: 78 Resp: 2139

Ion Ratio Lower Upper

78 100

77 33.0 17.9 26.9#



#41

Methacrylonitrile

Concen: 4.644 ug/l

RT: 7.35 min Scan# 1744

Delta R.T. 0.22 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Tgt Ion: 41 Resp: 6317

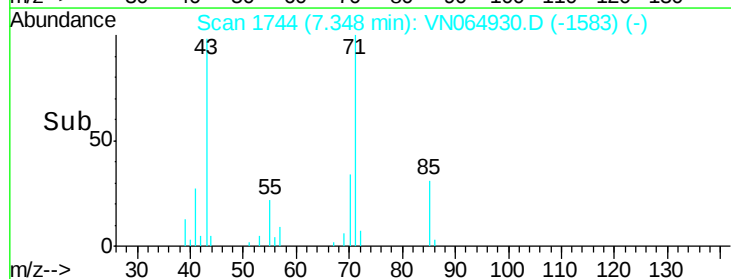
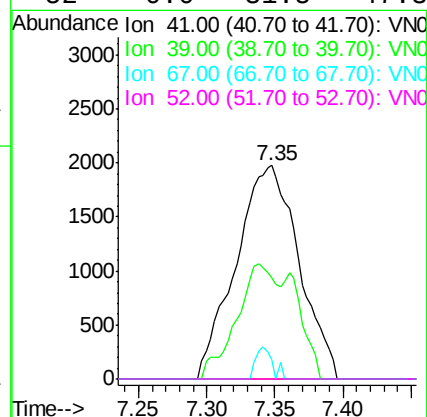
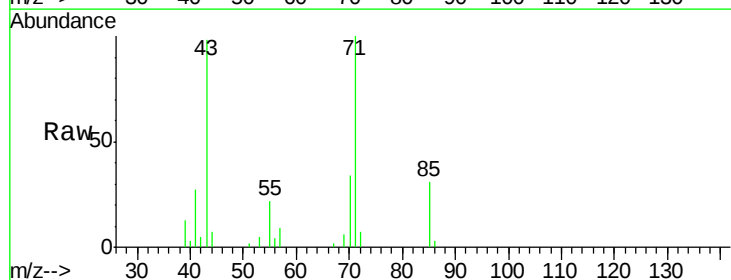
Ion Ratio Lower Upper

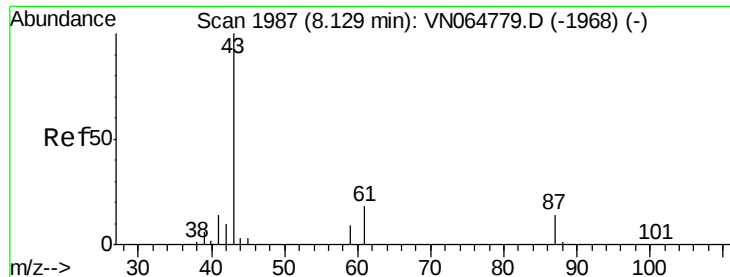
41 100

39 35.1 51.0 76.6#

67 3.9 79.8 119.8#

52 0.0 31.5 47.3#





#43

Isopropyl Acetate

Concen: 9.713 ug/l

RT: 8.11 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

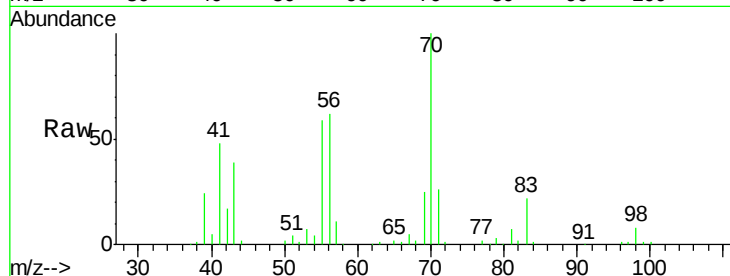
Tot Ion: 43 Resp: 46068

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

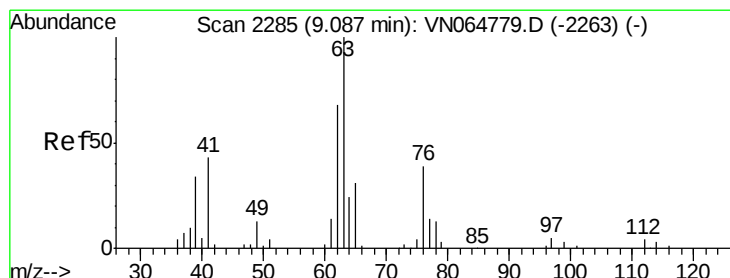
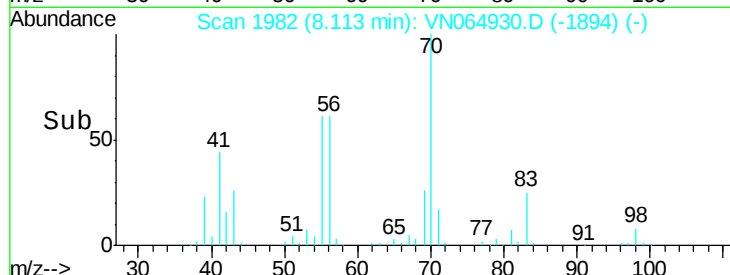
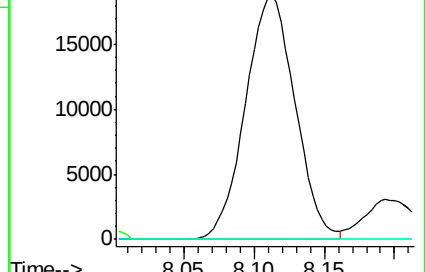
87 0.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN064930.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN064930.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN064930.D (-1894) (-)



#45

1,2-Dichloropropane

Concen: 4.427 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. -0.04 min

Lab File: VN064930.D

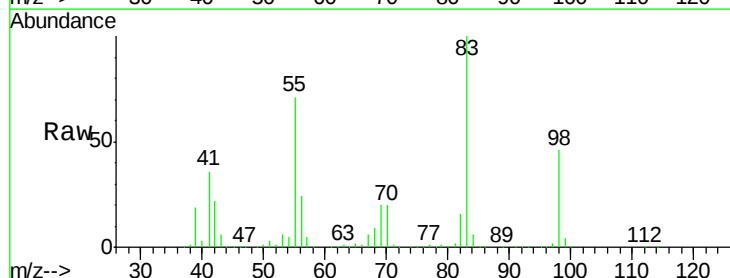
Acq: 4 Dec 2020 19:43

Tgt Ion: 63 Resp: 10750

Ion Ratio Lower Upper

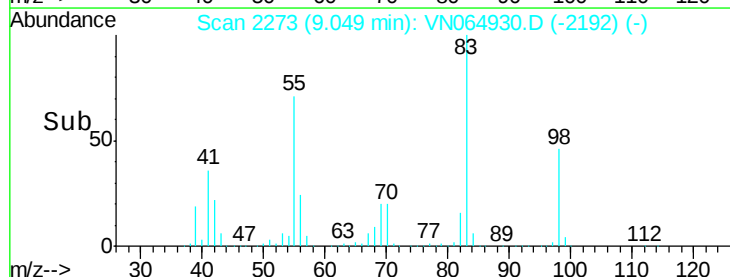
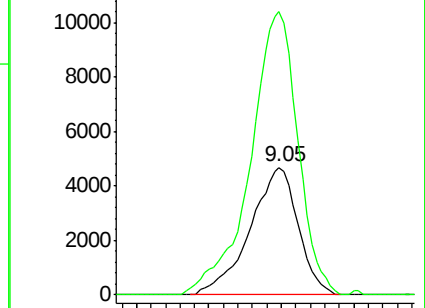
63 100

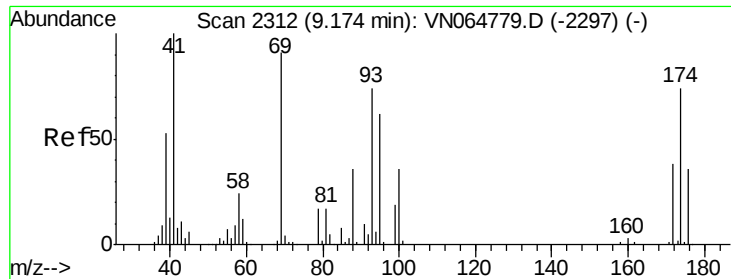
65 221.6 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN064930.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN064930.D (-2192) (-)

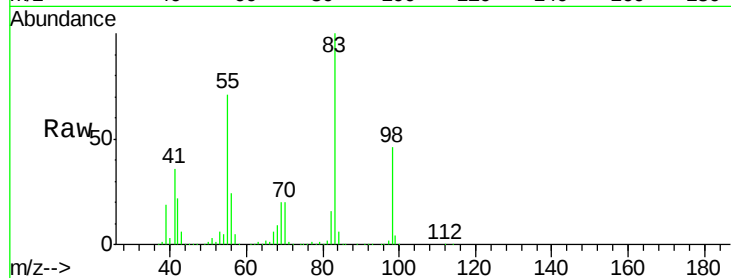




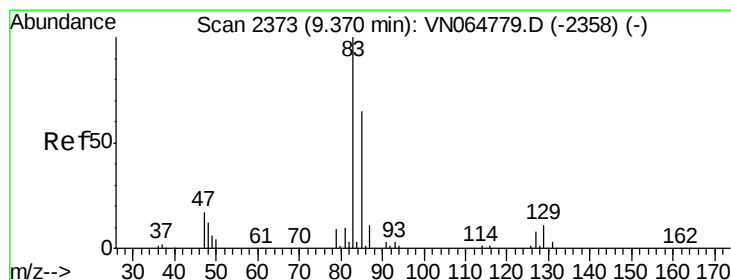
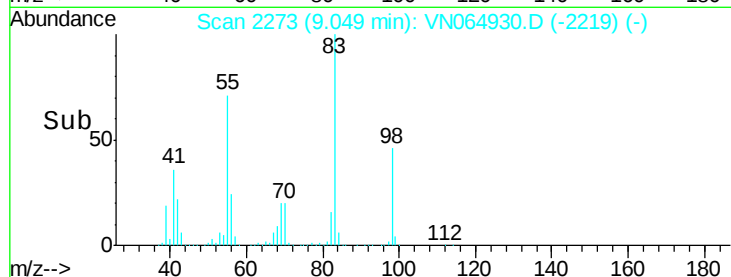
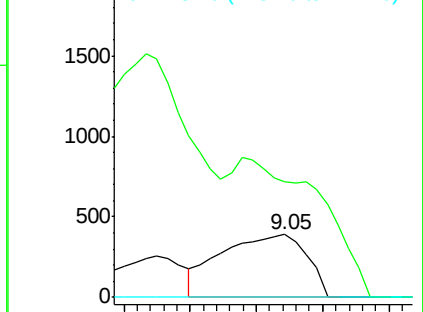
#46
Dibromomethane
Concen: 0.431 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.13 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220

Tot Ion: 93 Resp: 699
Ion Ratio Lower Upper
93 100
95 0.0 68.8 103.2#
174 0.0 83.1 124.7#

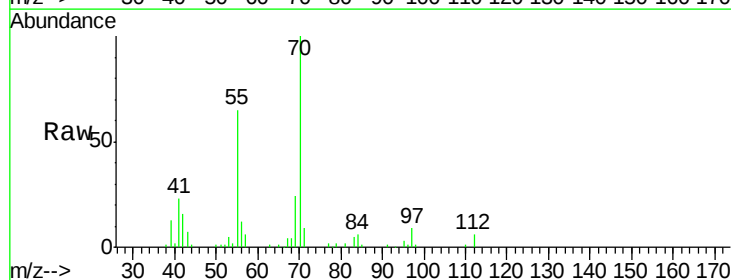


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

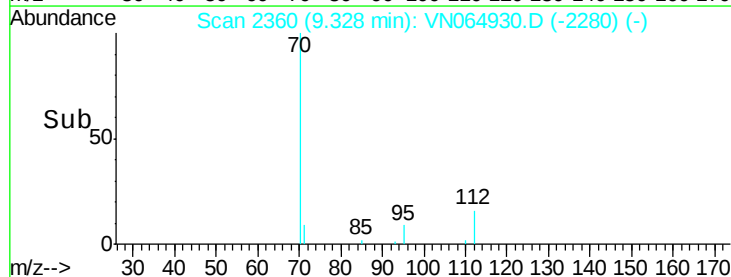
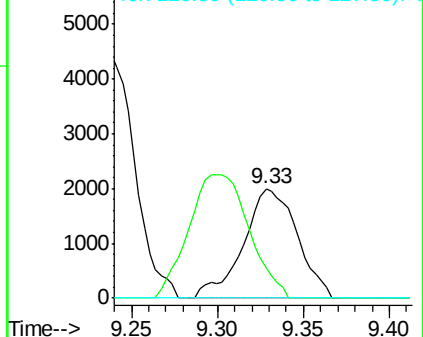


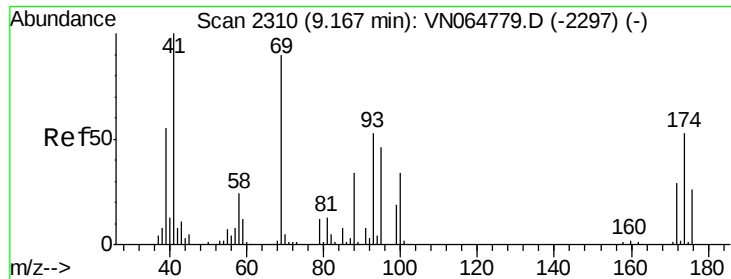
#47
Bromodichloromethane
Concen: 1.328 ug/l
RT: 9.33 min Scan# 2360
Delta R.T. -0.04 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 83 Resp: 4335
Ion Ratio Lower Upper
83 100
85 27.3 51.8 77.8#
127 0.0 6.8 10.2#



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): V

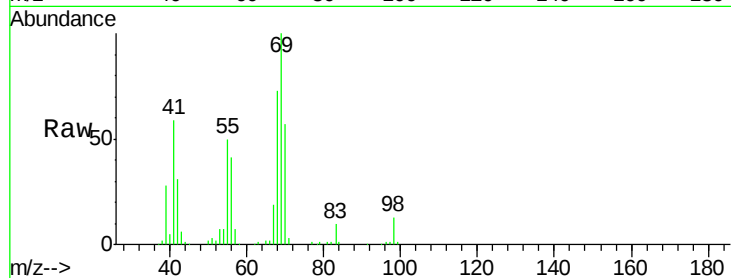




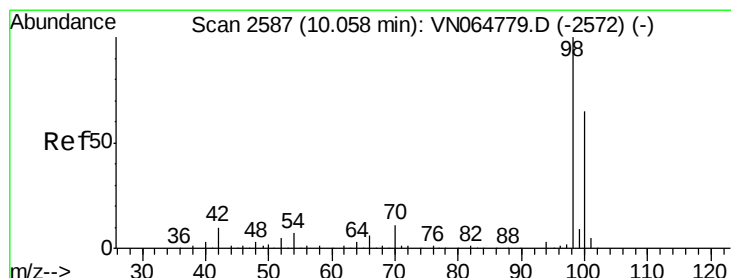
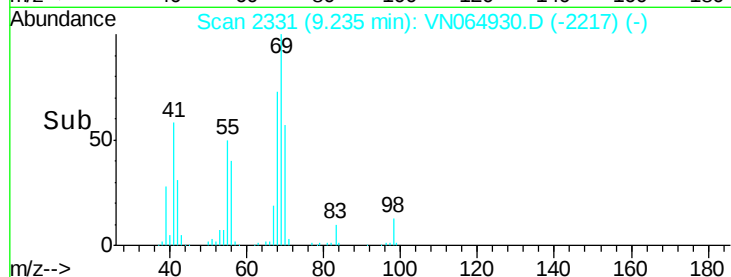
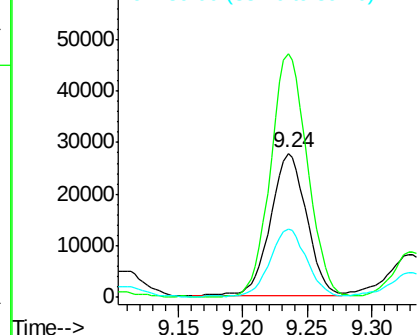
#48
Methyl methacrylate
Concen: 23.907 ug/l
RT: 9.24 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220

Tot Ion: 41 Resp: 54184
Ion Ratio Lower Upper
41 100
69 172.7 71.8 107.8#
39 47.6 44.1 66.1

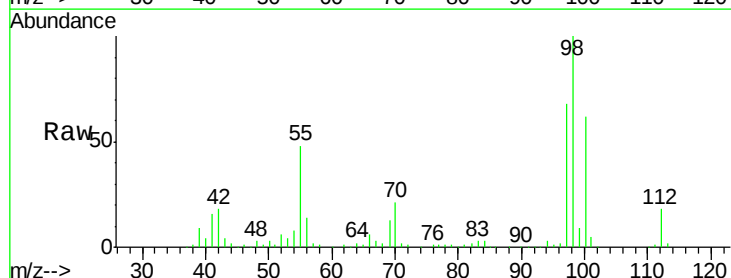


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

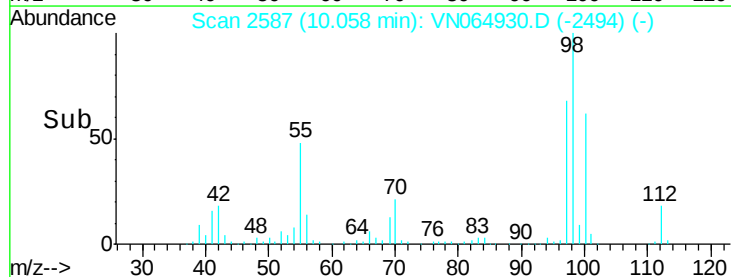
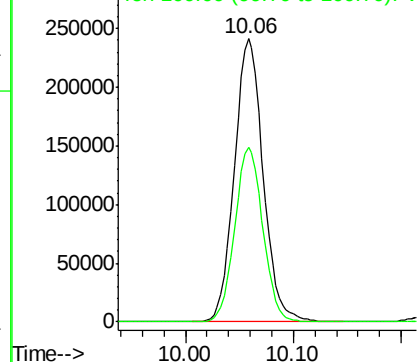


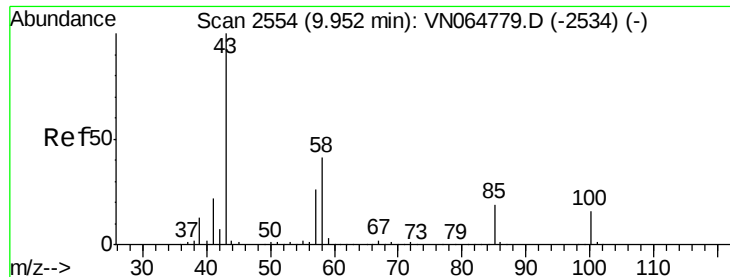
#50
Toluene-d8
Concen: 55.707 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 98 Resp: 449640
Ion Ratio Lower Upper
98 100
100 60.2 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.677 ug/l

RT: 9.97 min Scan# 2559

Delta R.T. 0.02 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

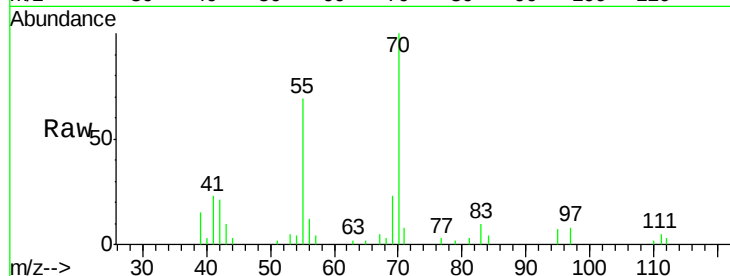
SS013-13-6702-120220

Tot Ion: 43 Resp: 1928

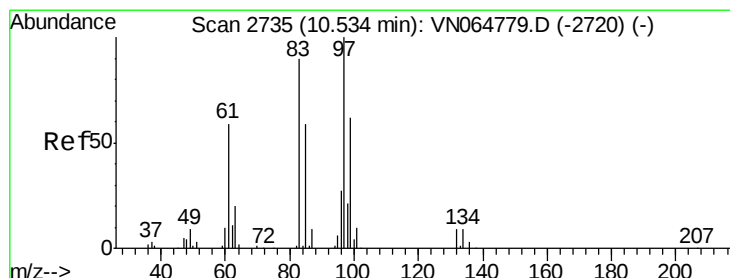
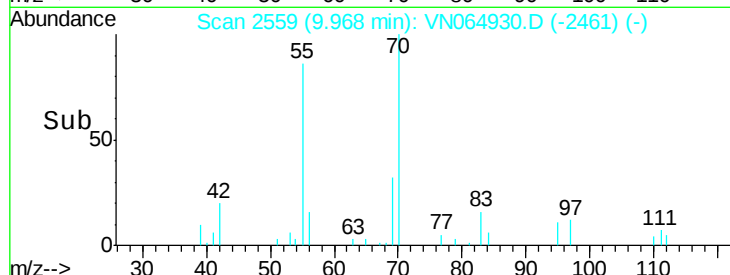
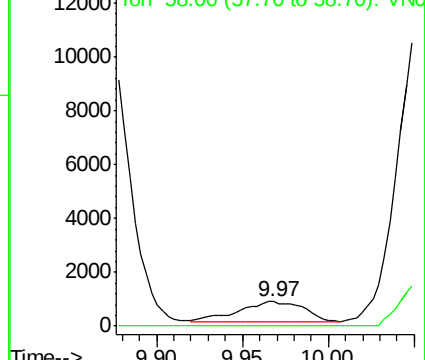
Ion Ratio Lower Upper

43 100

58 0.0 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064930.D (-2461) (-)



#55

1,1,2-Trichloroethane

Concen: 50.627 ug/l

RT: 10.50 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Tgt Ion: 97 Resp: 120221

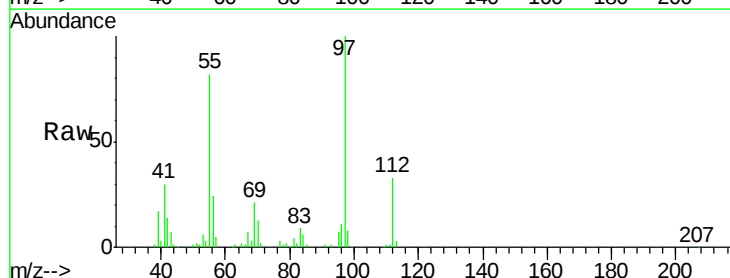
Ion Ratio Lower Upper

97 100

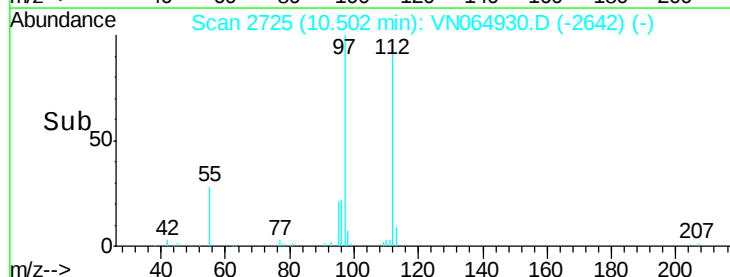
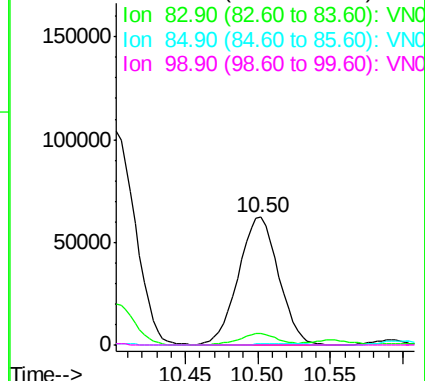
83 9.0 72.1 108.1#

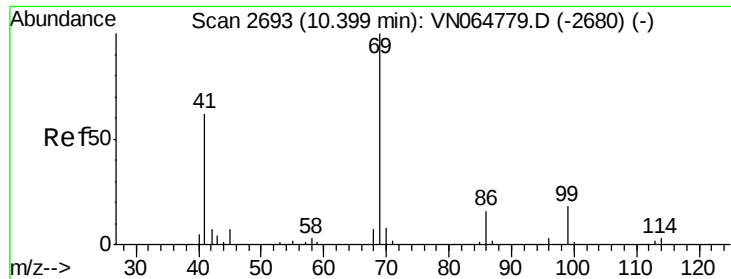
85 0.7 46.8 70.2#

99 0.3 49.6 74.4#



Abundance Ion 96.90 (96.60 to 97.60): VN064930.D (-2642) (-)





#56

Ethyl methacrylate

Concen: 18.920 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleID :

SS013-13-6702-120220

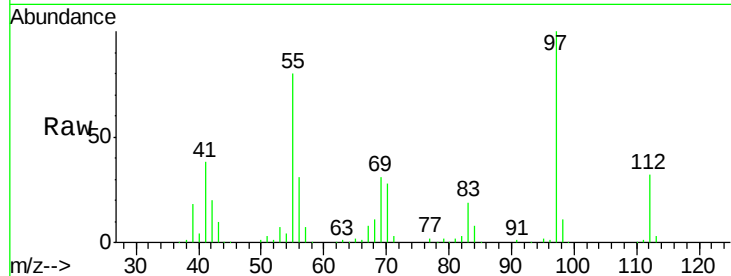
Tot Ion: 69 Resp: 62000

Ion Ratio Lower Upper

69 100

41 119.5 49.4 74.0#

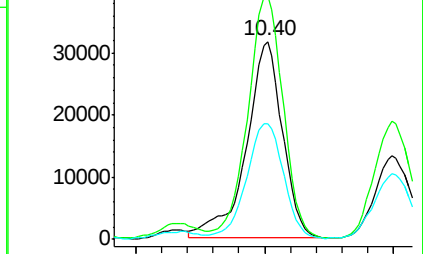
39 59.4 25.9 38.9#



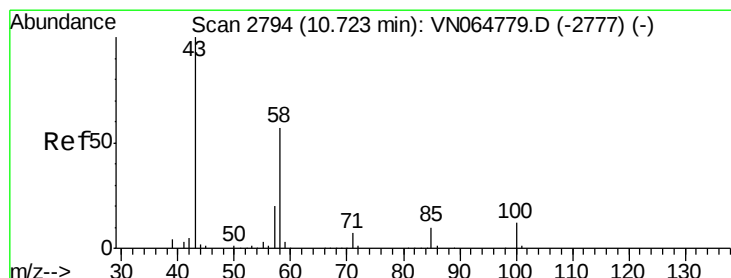
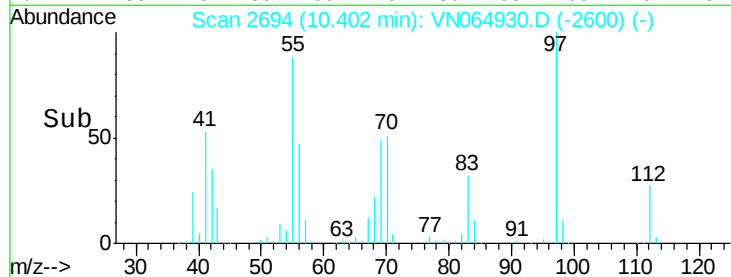
Abundance Ion 69.00 (68.70 to 69.70): VN064930.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN064930.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN064930.D (-2600) (-)



Time-->



#59

2-Hexanone

Concen: 6.520 ug/l

RT: 10.69 min Scan# 2783

Delta R.T. -0.04 min

Lab File: VN064930.D

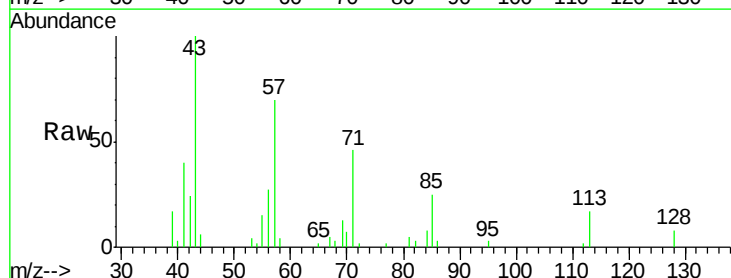
Acq: 4 Dec 2020 19:43

Tgt Ion: 43 Resp: 13361

Ion Ratio Lower Upper

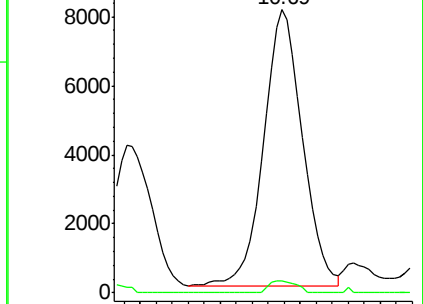
43 100

58 3.1 28.3 84.9#

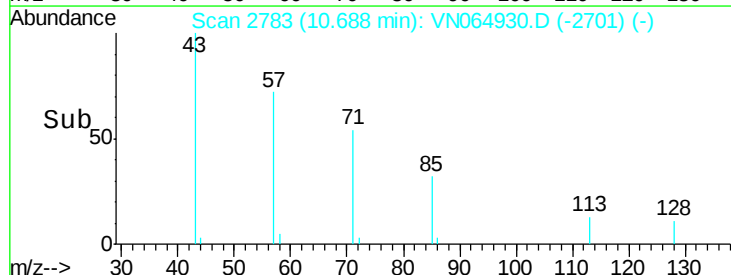


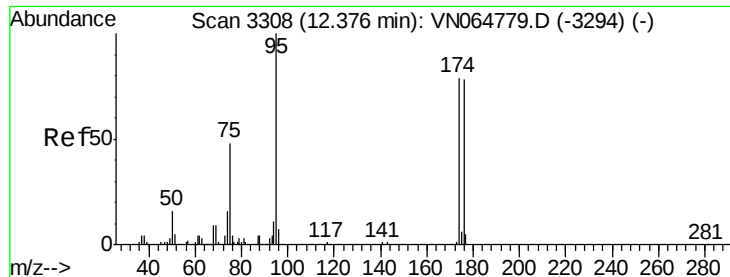
Abundance Ion 43.00 (42.70 to 43.70): VN064930.D (-2701) (-)

Ion 58.00 (57.70 to 58.70): VN064930.D (-2701) (-)



Time-->

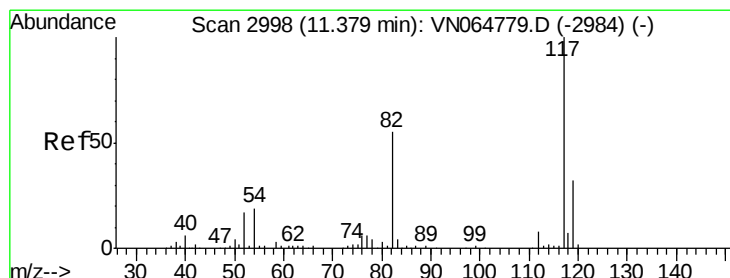
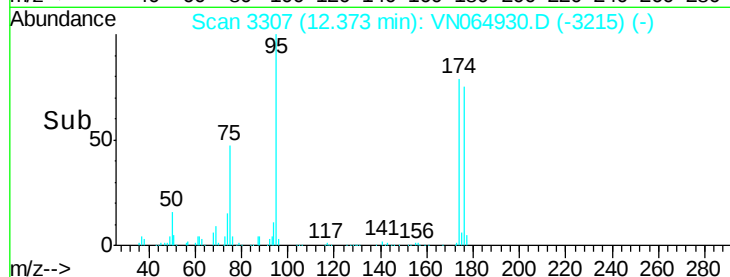
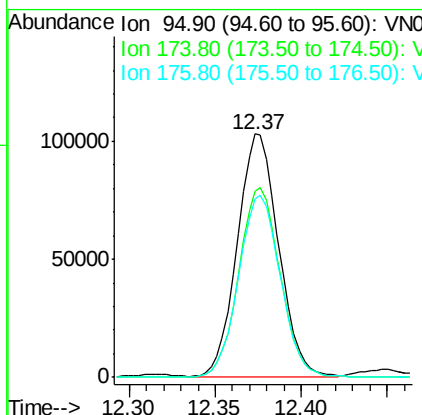
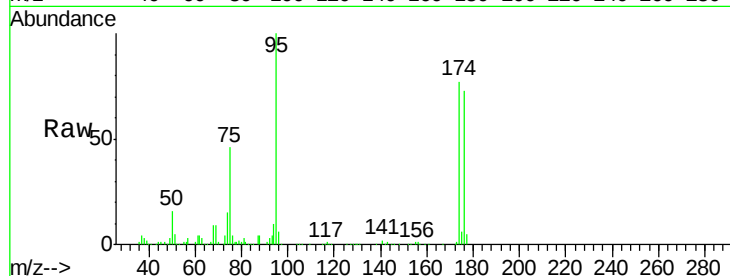




#62
4-Bromofluorobenzene
Concen: 59.059 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

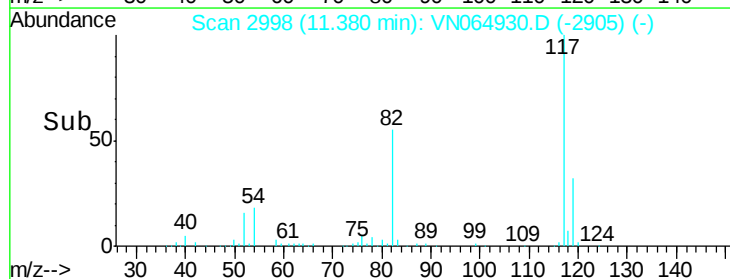
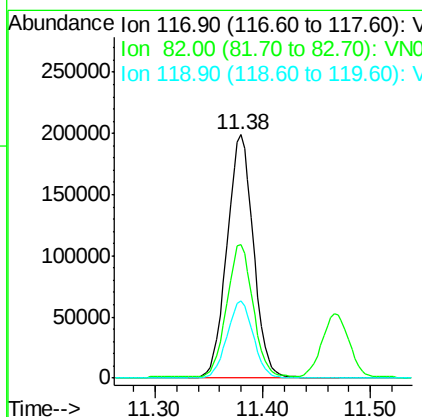
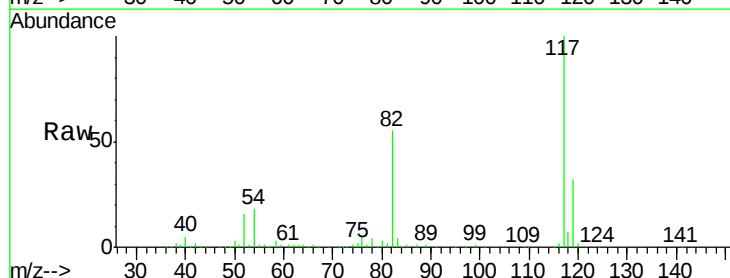
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220

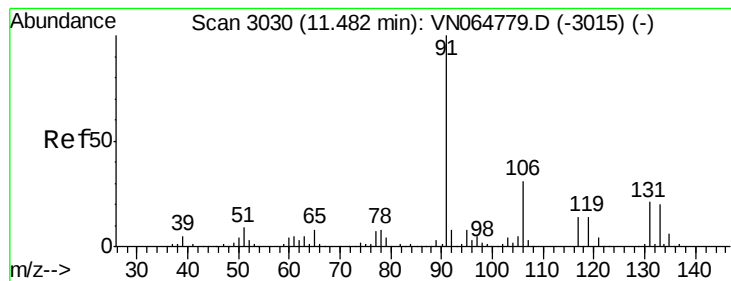
Tot Ion: 95 Resp: 170601
Ion Ratio Lower Upper
95 100
174 79.4 0.0 160.4
176 76.7 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 117 Resp: 341337
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 31.5 25.8 38.6





#67

Ethyl Benzene

Concen: 1.513 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

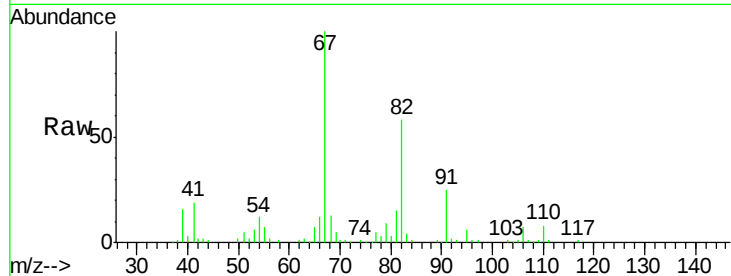
SS013-13-6702-120220

Tot Ion: 91 Resp: 18528

Ion Ratio Lower Upper

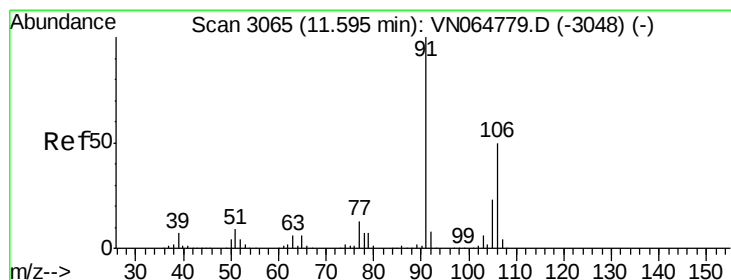
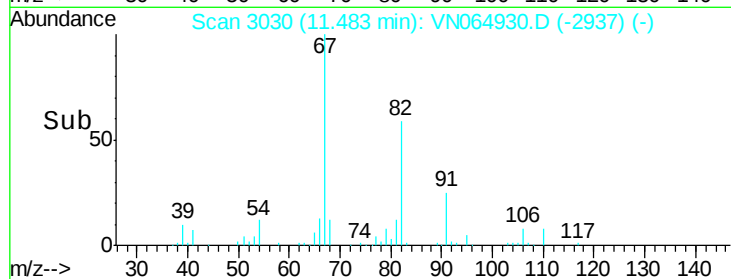
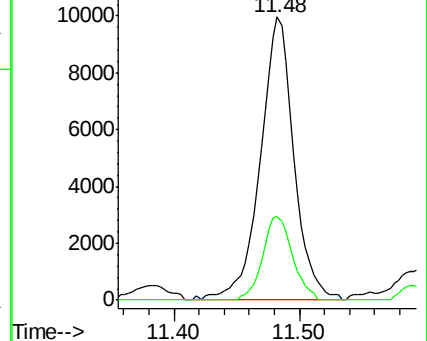
91 100

106 29.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3015) (-)

Ion 106.00 (105.70 to 106.70): VN064779.D (-3015) (-)



#68

m/p-Xylenes

Concen: 0.201 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064930.D

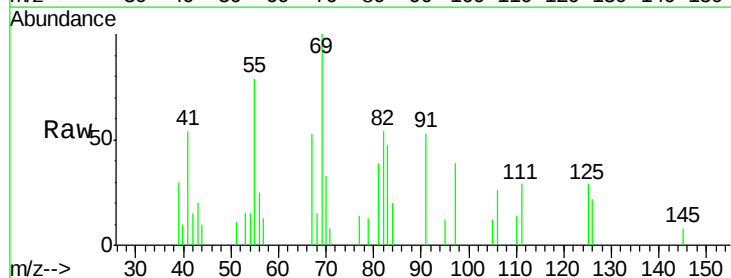
Acq: 4 Dec 2020 19:43

Tgt Ion: 106 Resp: 931

Ion Ratio Lower Upper

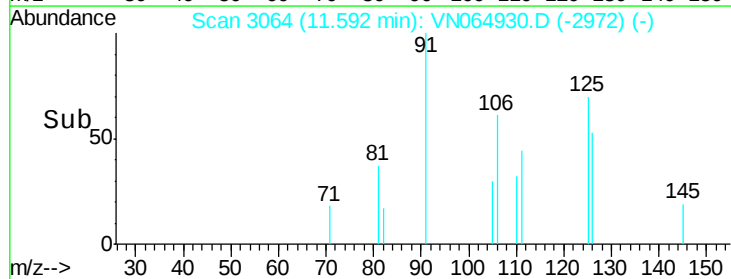
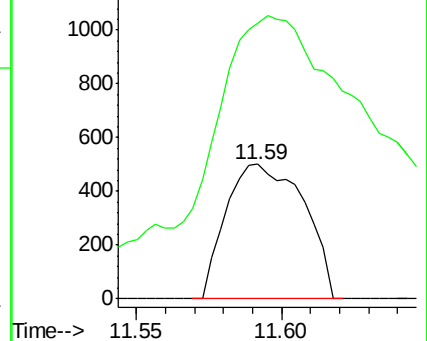
106 100

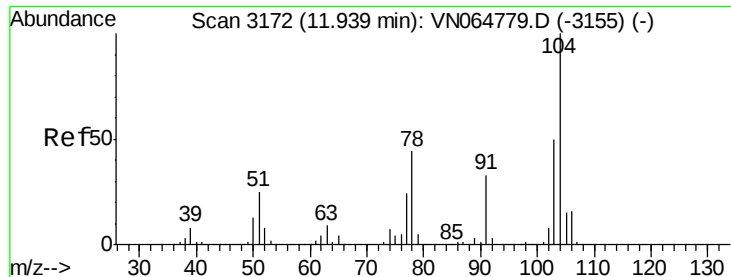
91 497.6 161.0 241.4#



Abundance Ion 106.00 (105.70 to 106.70): VN064779.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-3048) (-)





#70

Stvrene

Concen: 1.016 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.28 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

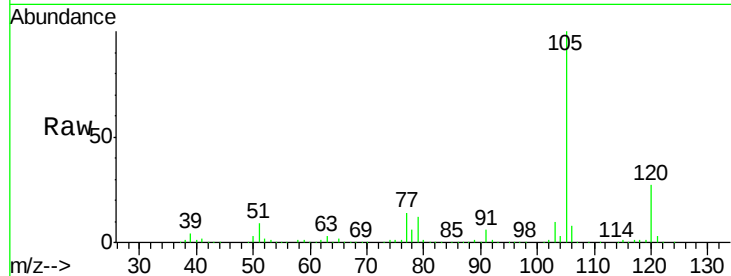
Tot Ion:104 Resp: 7543

Ion Ratio Lower Upper

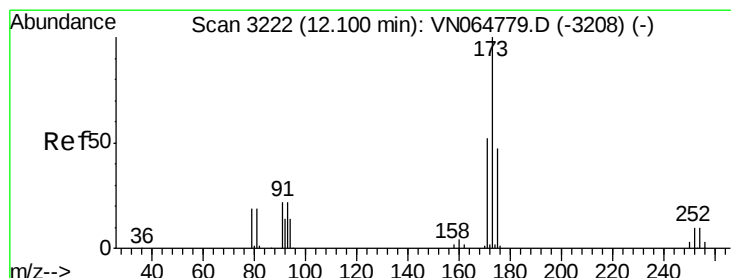
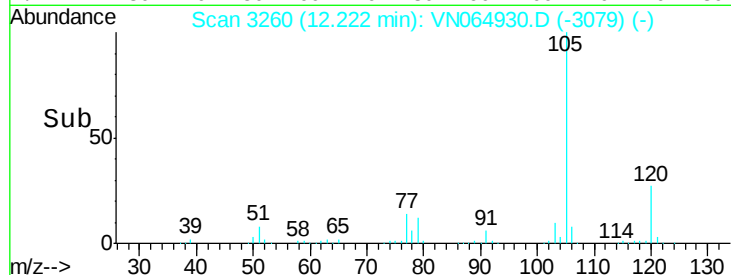
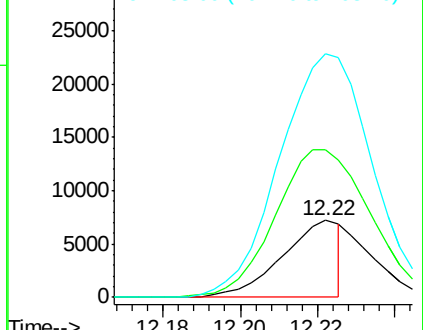
104 100

78 212.9 39.0 58.6#

103 335.9 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.244 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

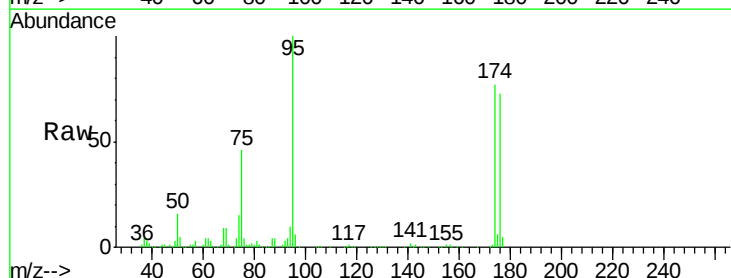
Tgt Ion:173 Resp: 525

Ion Ratio Lower Upper

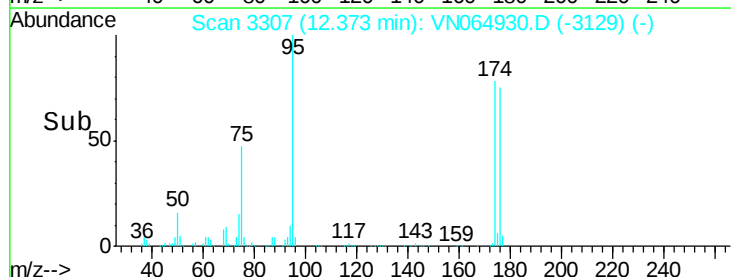
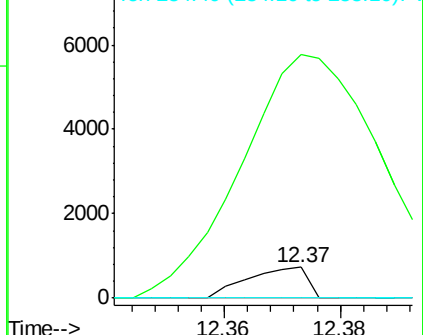
173 100

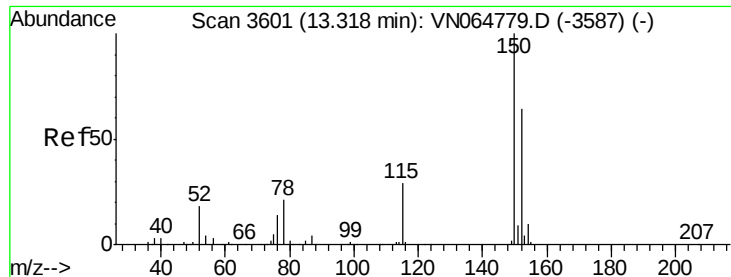
175 1600.6 24.3 72.8#

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# 3600

Delta R.T. -0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

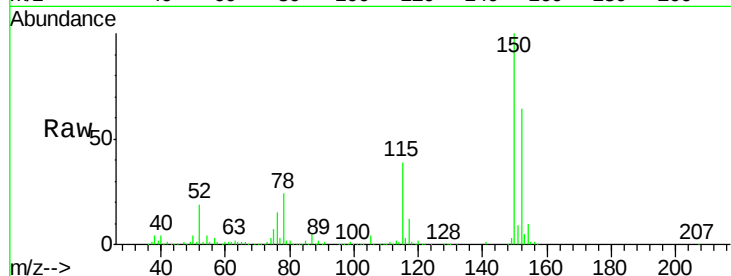
Tot Ion:152 Resp: 167423

Ion Ratio Lower Upper

152 100

115 84.3 29.7 89.1

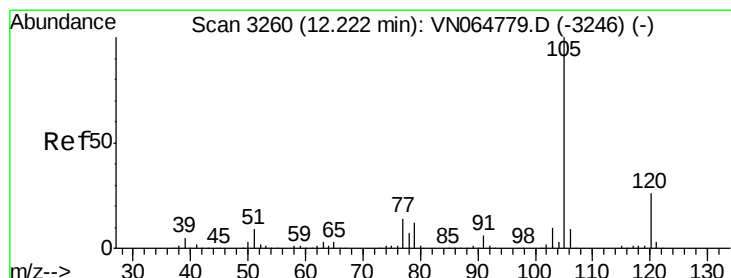
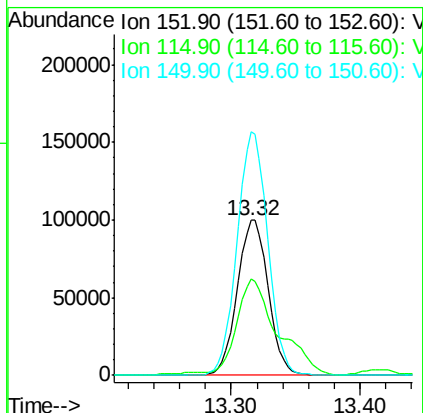
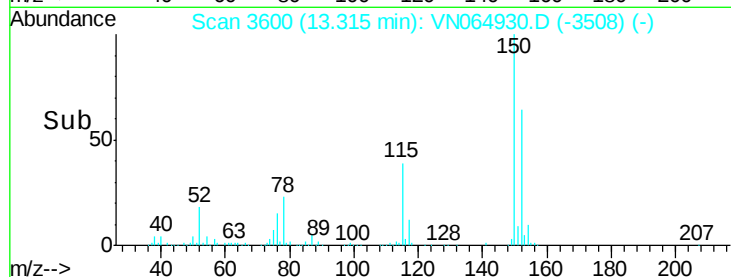
150 154.9 0.0 350.6



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: 31.873 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064930.D

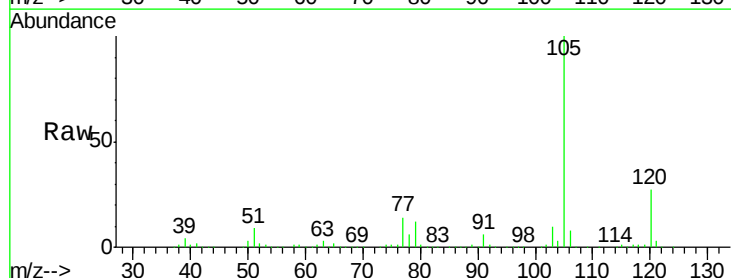
Acq: 4 Dec 2020 19:43

Tgt Ion:105 Resp: 371180

Ion Ratio Lower Upper

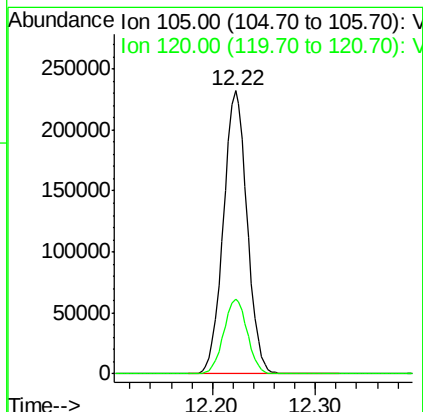
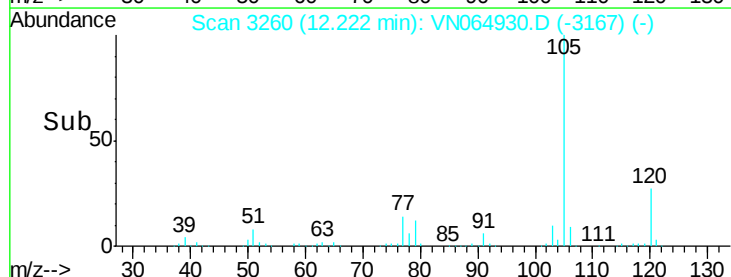
105 100

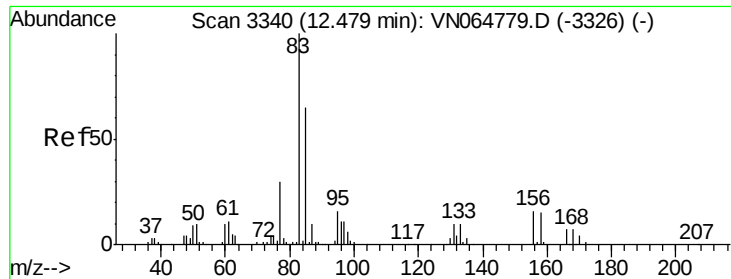
120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.342 ug/l

RT: 12.45 min Scan# 3330

Delta R.T. -0.03 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

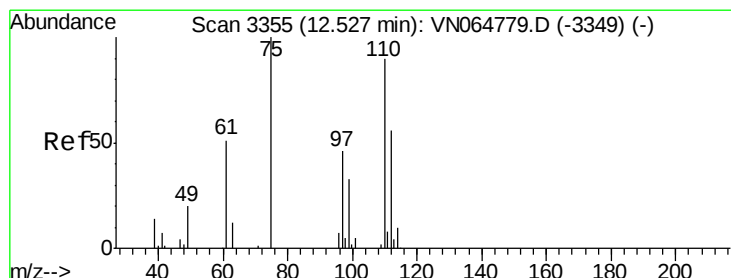
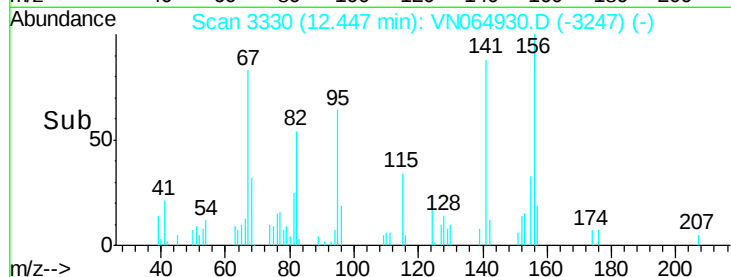
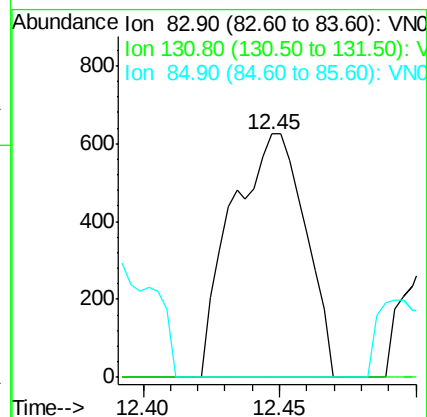
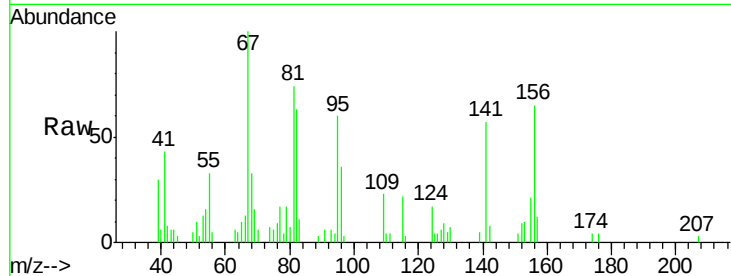
Tot Ion: 83 Resp: 1166

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 0.0 33.0 99.0#



#76

1,2,3-Trichloropropane

Concen: 0.846 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.04 min

Lab File: VN064930.D

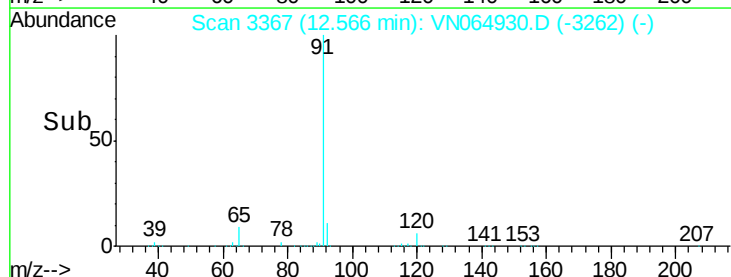
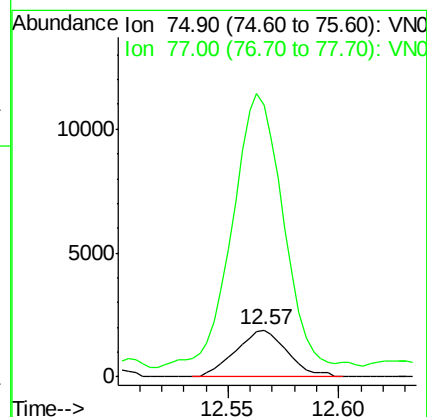
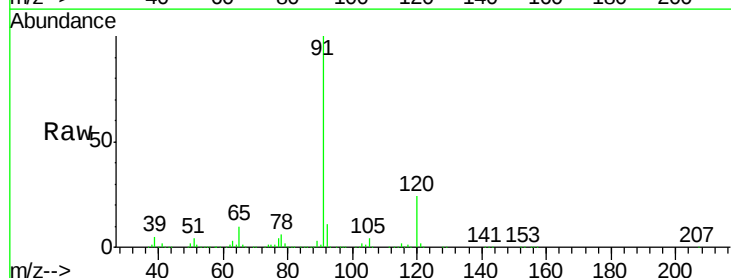
Acq: 4 Dec 2020 19:43

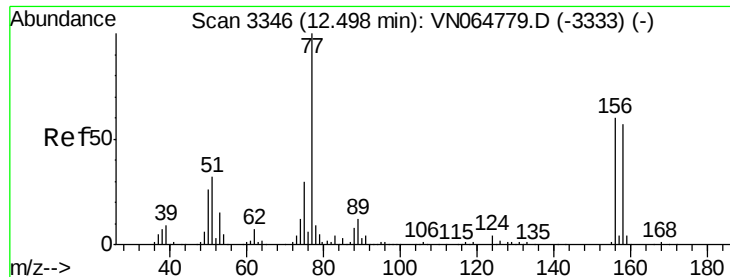
Tgt Ion: 75 Resp: 3052

Ion Ratio Lower Upper

75 100

77 578.8 0.0 0.0#





#77

Bromobenzene

Concen: 7.977 ug/l

RT: 12.47 min Scan# 3336

Delta R.T. -0.03 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

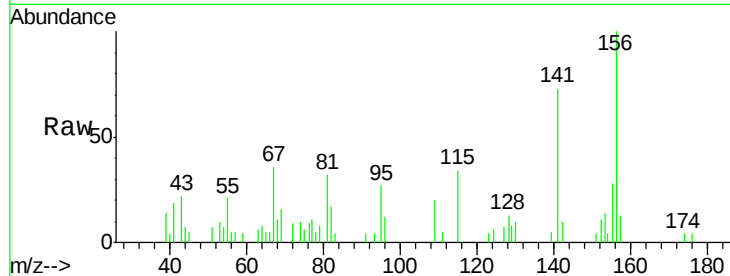
Tot Ion:156 Resp: 25046

Ion Ratio Lower Upper

156 100

77 7.1 101.3 303.7#

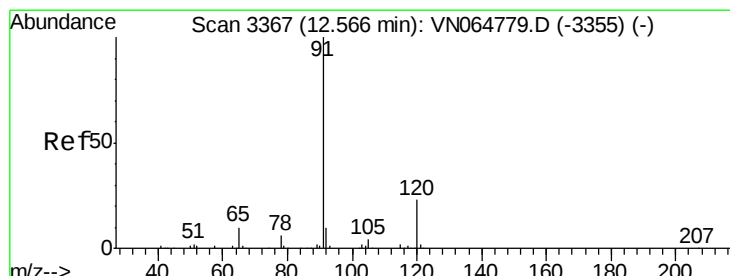
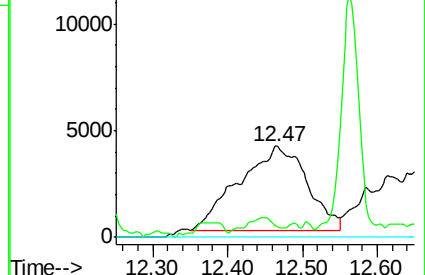
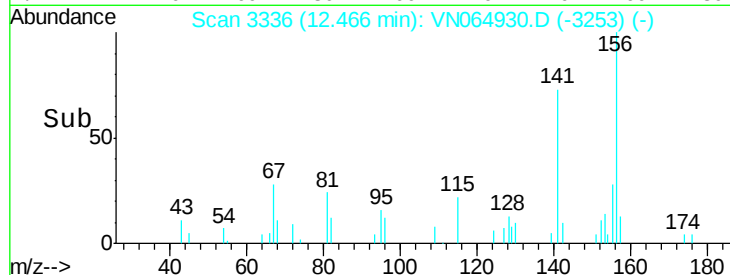
158 0.0 48.2 144.6#



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: 34.968 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064930.D

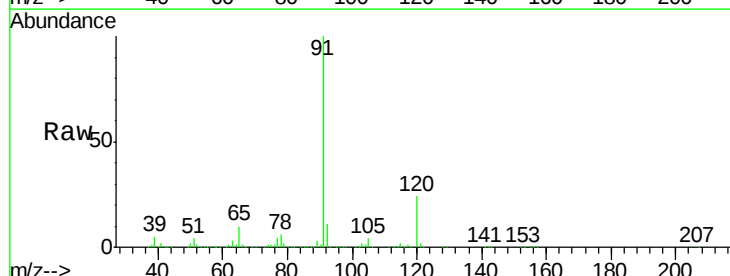
Acq: 4 Dec 2020 19:43

Tgt Ion: 91 Resp: 463903

Ion Ratio Lower Upper

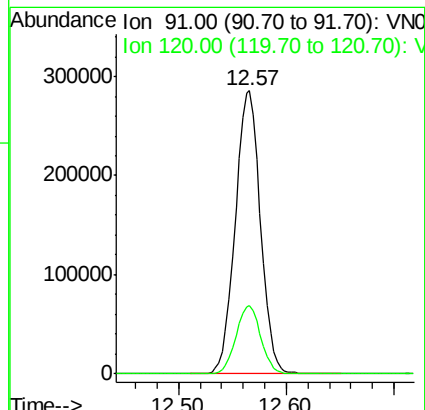
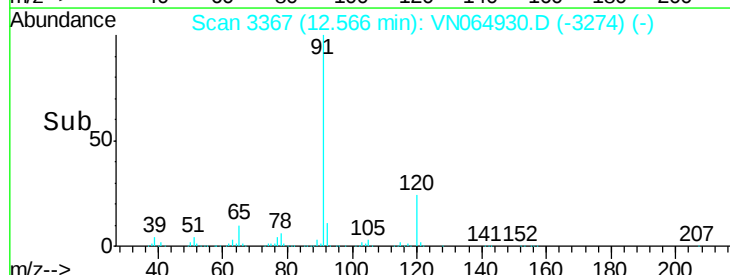
91 100

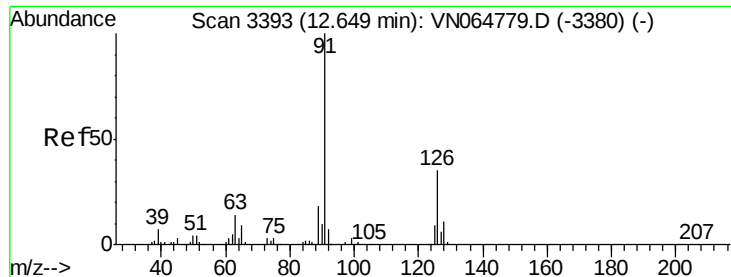
120 24.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

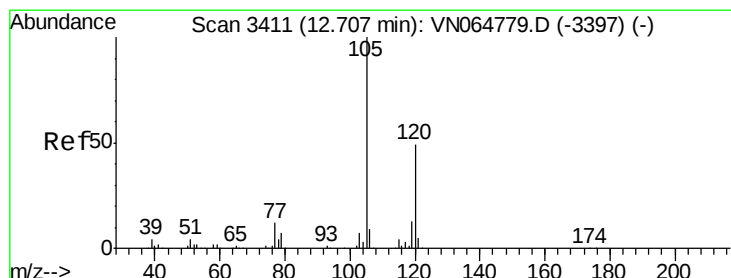
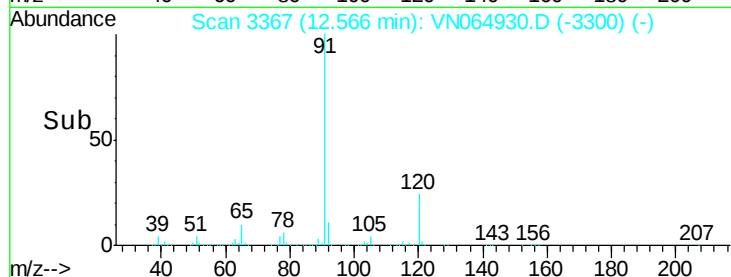
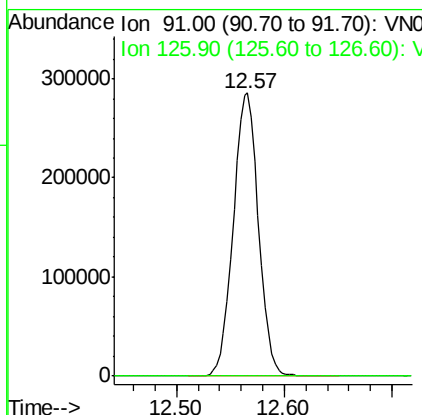
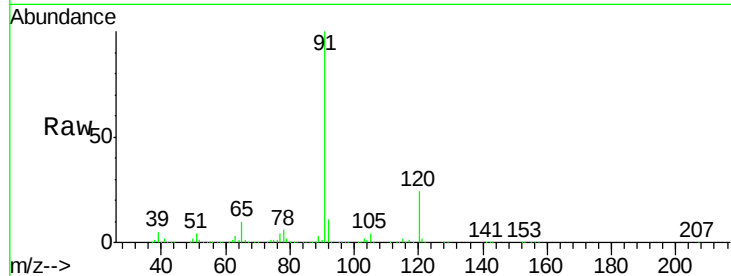




#79
 2-Chlorotoluene
 Concen: 56.570 ug/l
 RT: 12.57 min Scan# 3367
 Delta R.T. -0.08 min
 Lab File: VN064930.D
 Acq: 4 Dec 2020 19:43

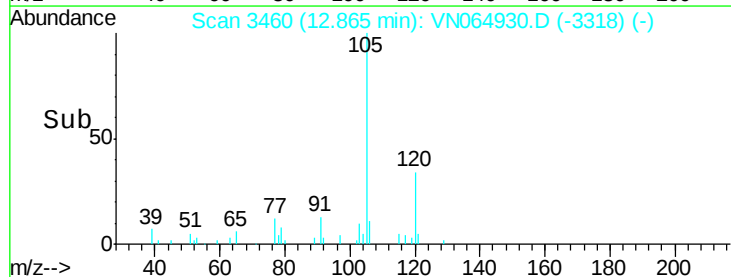
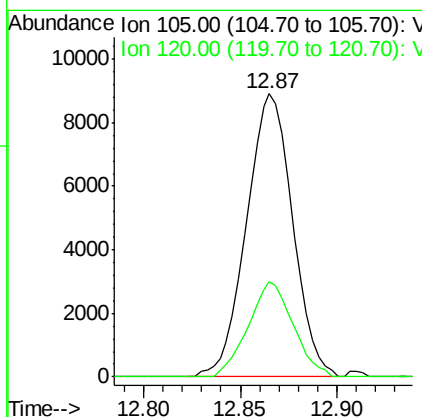
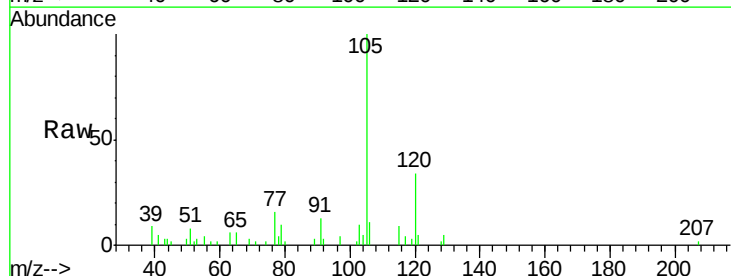
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220

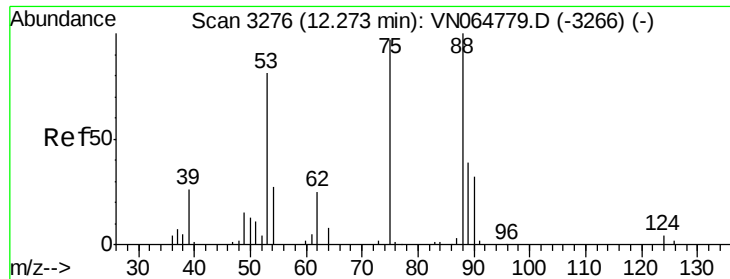
Tot Ion: 91 Resp: 463903
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.2 51.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.529 ug/l
 RT: 12.87 min Scan# 3460
 Delta R.T. 0.16 min
 Lab File: VN064930.D
 Acq: 4 Dec 2020 19:43

Tgt Ion: 105 Resp: 14799
 Ion Ratio Lower Upper
 105 100
 120 32.7 24.6 73.6

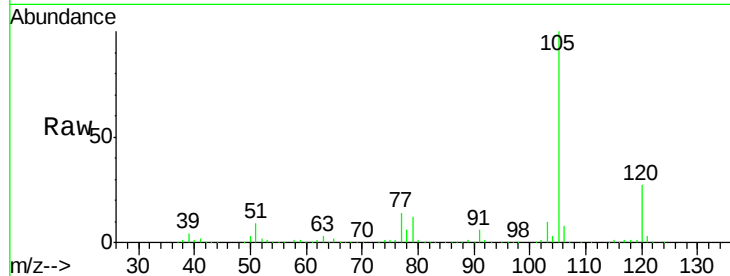




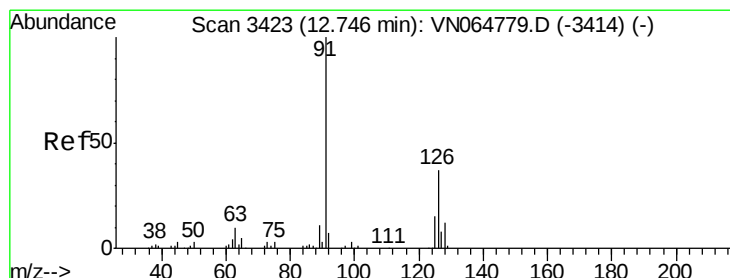
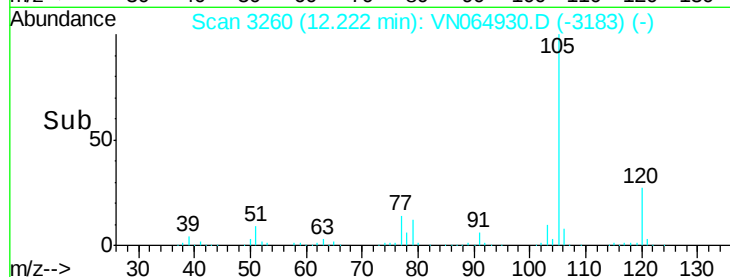
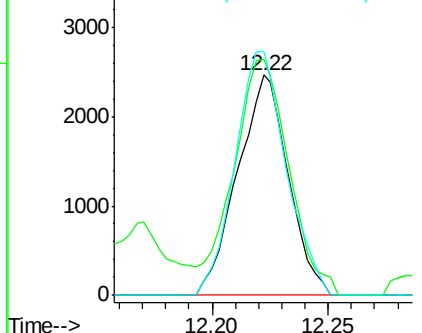
#81
trans-1,4-Dichloro-2-butene
Concen: 2.842 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.05 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220

Tot Ion: 75 Resp: 3739
Ion Ratio Lower Upper
75 100
53 117.4 67.0 100.4#
89 112.1 39.6 59.4#

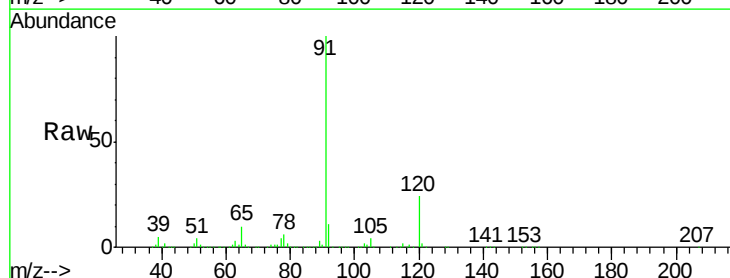


Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3266) (-)
Ion 53.00 (52.70 to 53.70): VN064779.D (-3266) (-)
Ion 88.90 (88.60 to 89.60): VN064779.D (-3266) (-)

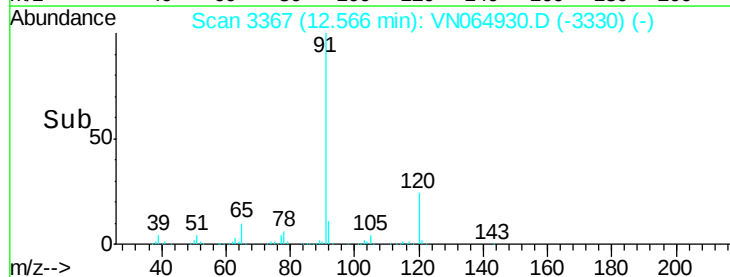
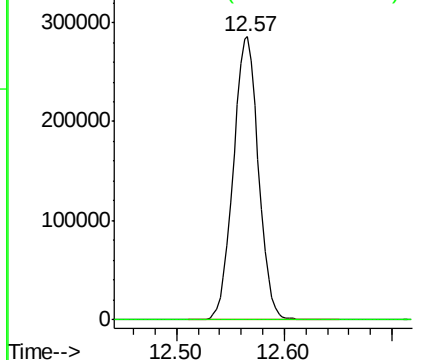


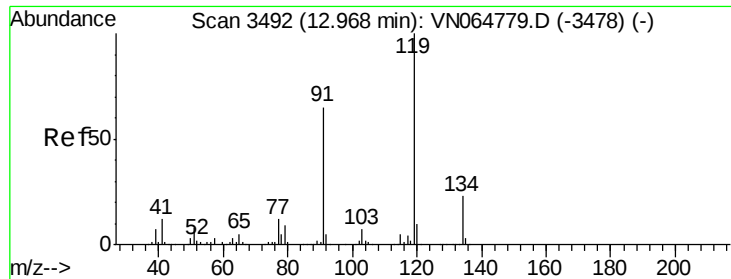
#82
4-Chlorotoluene
Concen: 53.969 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.18 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 91 Resp: 463903
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3414) (-)
Ion 125.90 (125.60 to 126.60): VN064779.D (-3414) (-)

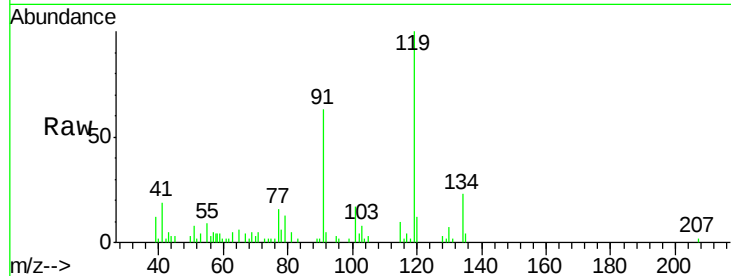




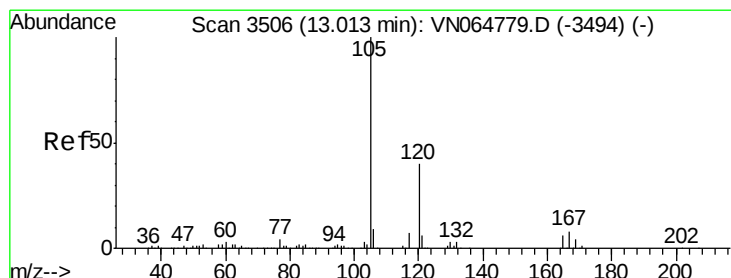
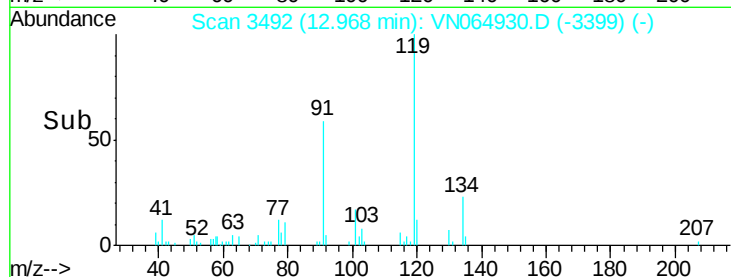
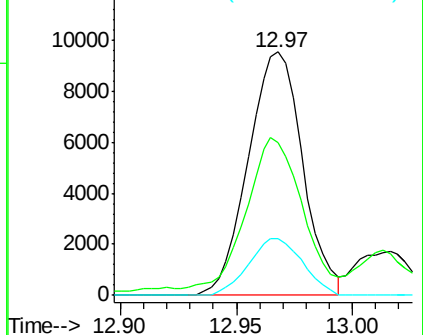
#83
tert-Butylbenzene
Concen: 1.920 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220

Tot Ion:119 Resp: 15576
Ion Ratio Lower Upper
119 100
91 63.8 32.3 96.8
134 23.2 12.6 37.6

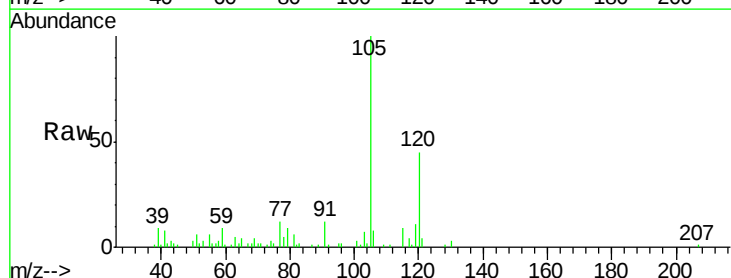


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

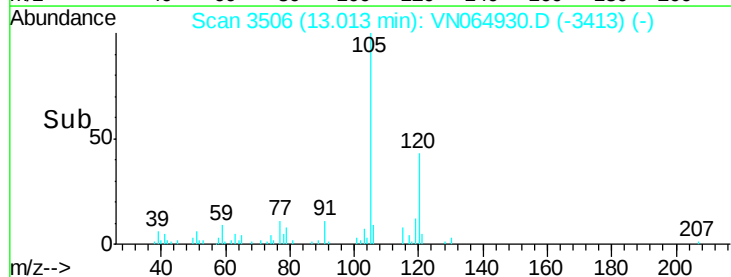
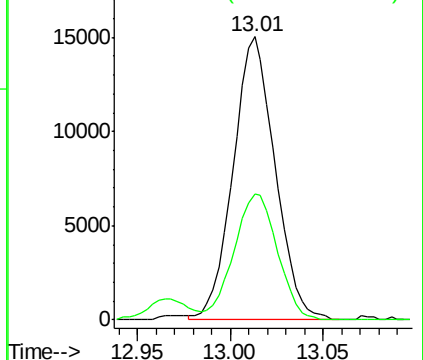


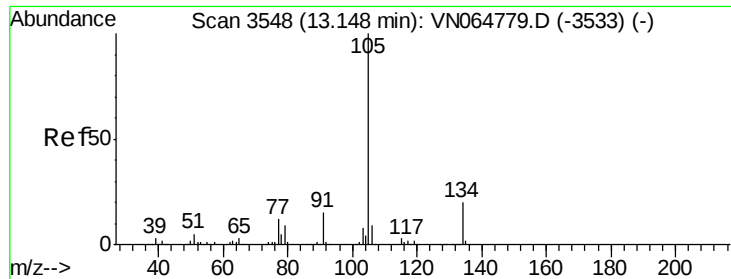
#84
1,2,4-Trimethylbenzene
Concen: 2.414 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion:105 Resp: 23623
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.2



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

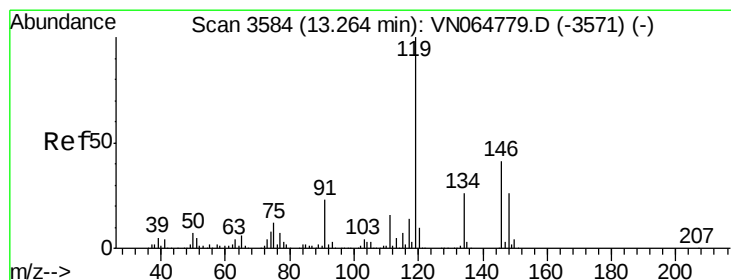
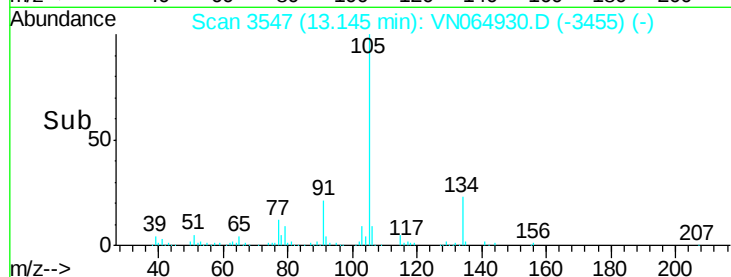
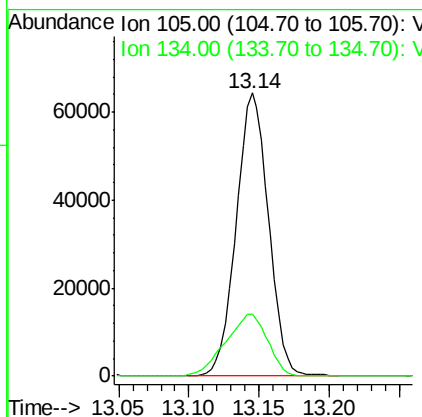
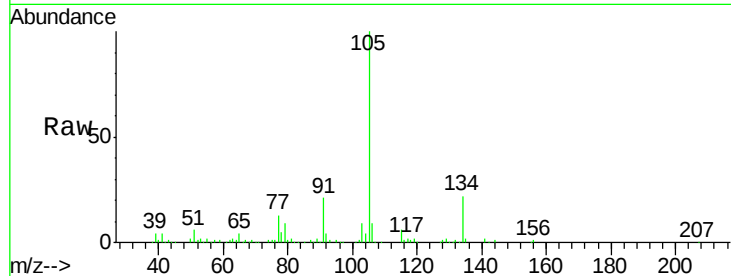




#85
 sec-Butylbenzene
 Concen: 9.589 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064930.D
 Acq: 4 Dec 2020 19:43

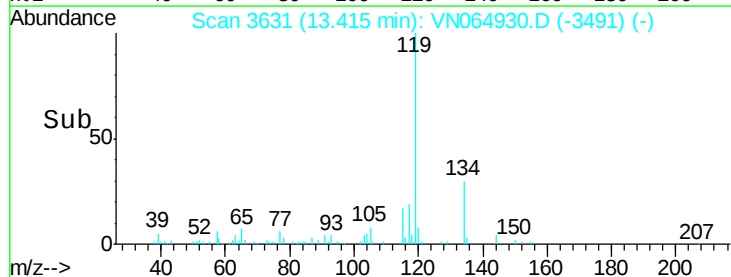
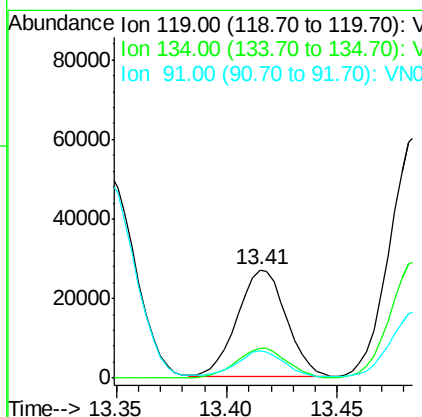
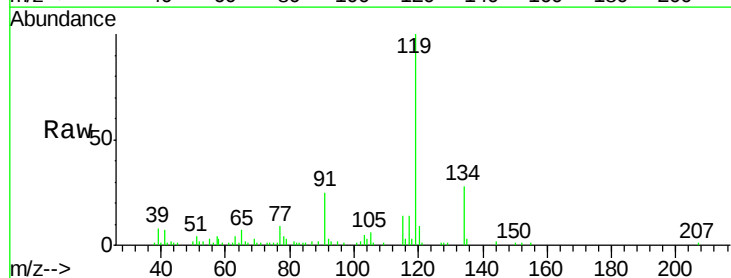
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220

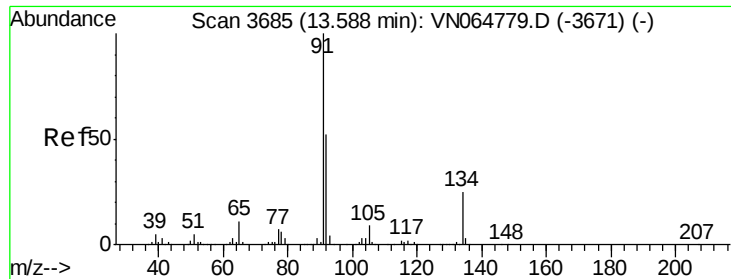
Tot Ion:105 Resp: 103293
 Ion Ratio Lower Upper
 105 100
 134 28.3 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 4.211 ug/l
 RT: 13.41 min Scan# 3631
 Delta R.T. 0.15 min
 Lab File: VN064930.D
 Acq: 4 Dec 2020 19:43

Tgt Ion:119 Resp: 41298
 Ion Ratio Lower Upper
 119 100
 134 29.3 13.1 39.1
 91 23.8 11.5 34.5

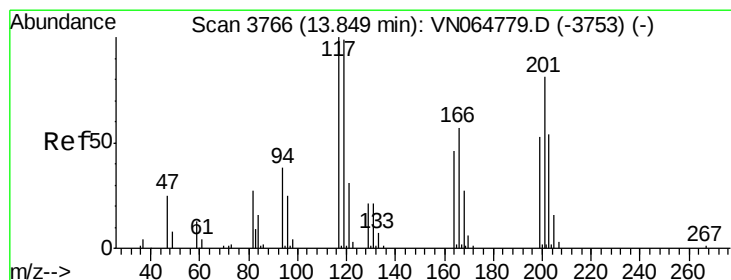
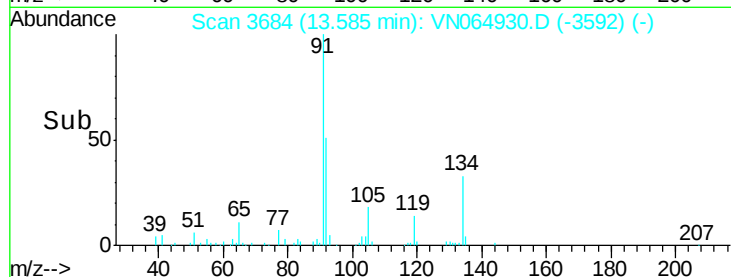
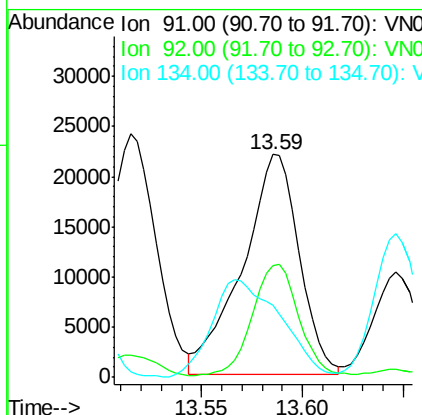
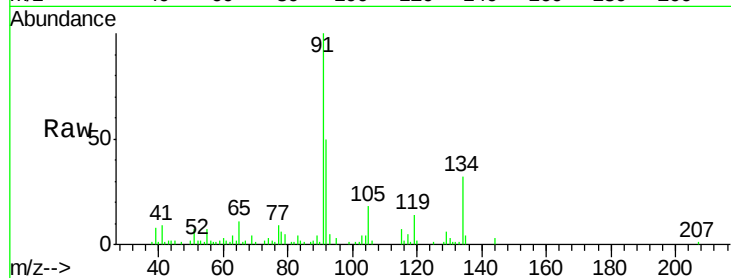




#89
n-Butylbenzene
Concen: 5.001 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

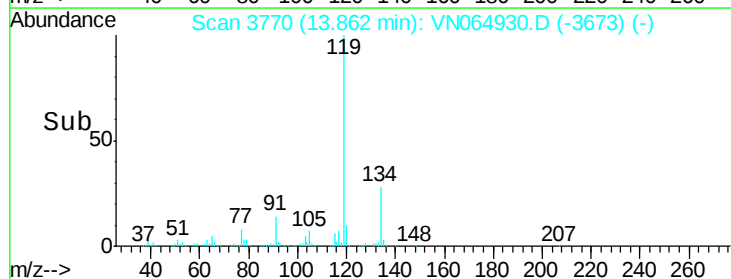
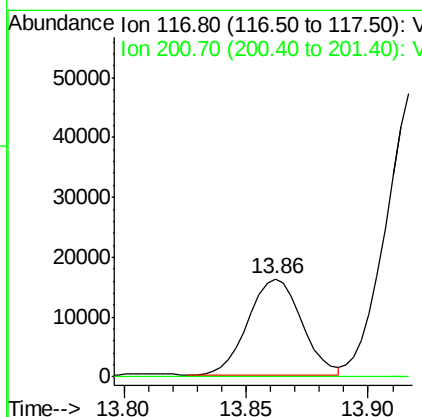
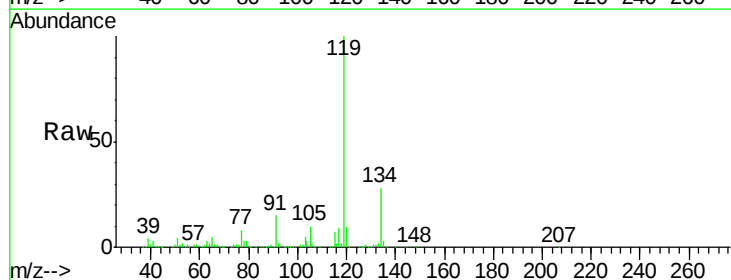
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220

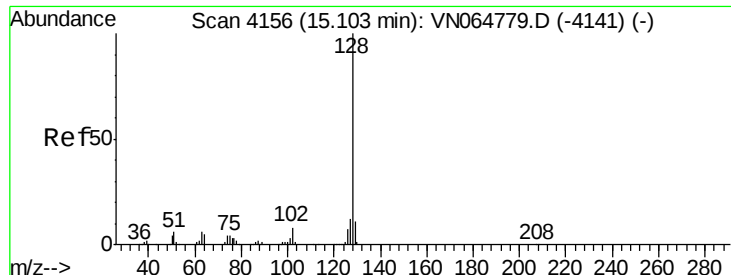
Tot Ion: 91 Resp: 43073
Ion Ratio Lower Upper
91 100
92 43.4 26.0 78.0
134 0.0 12.9 38.6#



#90
Hexachloroethane
Concen: 14.426 ug/l
RT: 13.86 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 117 Resp: 24579
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#





#95

Naphthalene

Concen: 33.603 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

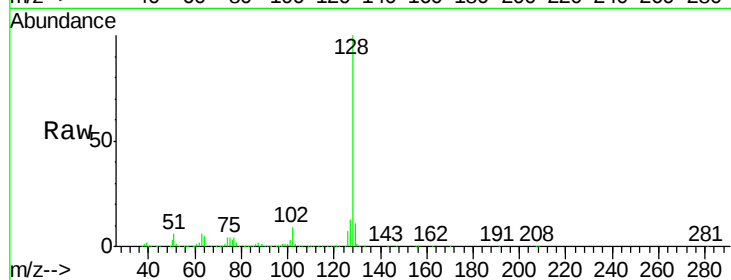
Tot Ion:128 Resp: 341081

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.9 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

