

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053777.D
 Acq On : 14 Feb 2019 14:15
 Operator : JC/SP
 Sample : K1479-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 01:03:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	709591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1221302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1136748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	496636	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	390916	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	7.59	113	391077	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.09	98	1490443	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	501225	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	386	0.916	ug/l #	72
13) Acrolein	3.61	56	1370	5.973	ug/l	96
14) Allyl chloride	4.56	41	22593	2.159	ug/l #	27
16) Acetone	3.82	43	149838	82.061	ug/l	99
17) Carbon Disulfide	4.06	76	10727	0.524	ug/l	100
18) Methyl Acetate	4.33	43	13112	2.425	ug/l #	89
20) Methylene Chloride	4.55	84	616535	80.482	ug/l	97
25) 2-Butanone	6.84	43	59672	22.914	ug/l	96
29) Tetrahydrofuran	7.23	42	2595	1.552	ug/l #	45
30) Chloroform	7.37	83	8474	0.661	ug/l #	82
31) Cyclohexane	7.66	56	12439	0.867	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43627	3.963	ug/l #	48
37) Ethyl Acetate	6.84	43	59672	9.705	ug/l #	68
38) Carbon Tetrachloride	7.67	117	60140	5.423	ug/l #	15
39) Methylcyclohexane	9.08	83	4948	0.379	ug/l	95
43) Isopropyl Acetate	8.17	43	34673	2.920	ug/l #	77
45) 1,2-Dichloropropane	9.27	63	1782	0.205	ug/l #	43
48) Methyl methacrylate	9.18	41	13308	2.348	ug/l #	28
51) 4-Methyl-2-Pentanone	9.99	43	104051	17.832	ug/l	91
52) Toluene	10.16	92	662706	32.890	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	6769	0.621	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	61850	4.789	ug/l #	64
57) 1,3-Dichloropropane	10.77	76	12160	0.980	ug/l #	43
59) 2-Hexanone	10.76	43	160149	40.428	ug/l #	53
67) Ethyl Benzene	11.51	91	177489	4.475	ug/l	99
68) m/p-Xylenes	11.62	106	236315	15.610	ug/l	99
69) o-Xylene	11.95	106	105895	7.241	ug/l	100
70) Styrene	11.95	104	8360	0.353	ug/l #	1
71) Bromoform	12.41	173	3160	0.547	ug/l #	1
73) Isopropylbenzene	12.25	105	17729	0.508	ug/l	99
74) N-amyl acetate	12.03	43	13156	1.567	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	229529	35.982	ug/l #	100
78) n-propylbenzene	12.59	91	42553	1.054	ug/l	98
79) 2-Chlorotoluene	12.66	91	17286	0.722	ug/l #	39

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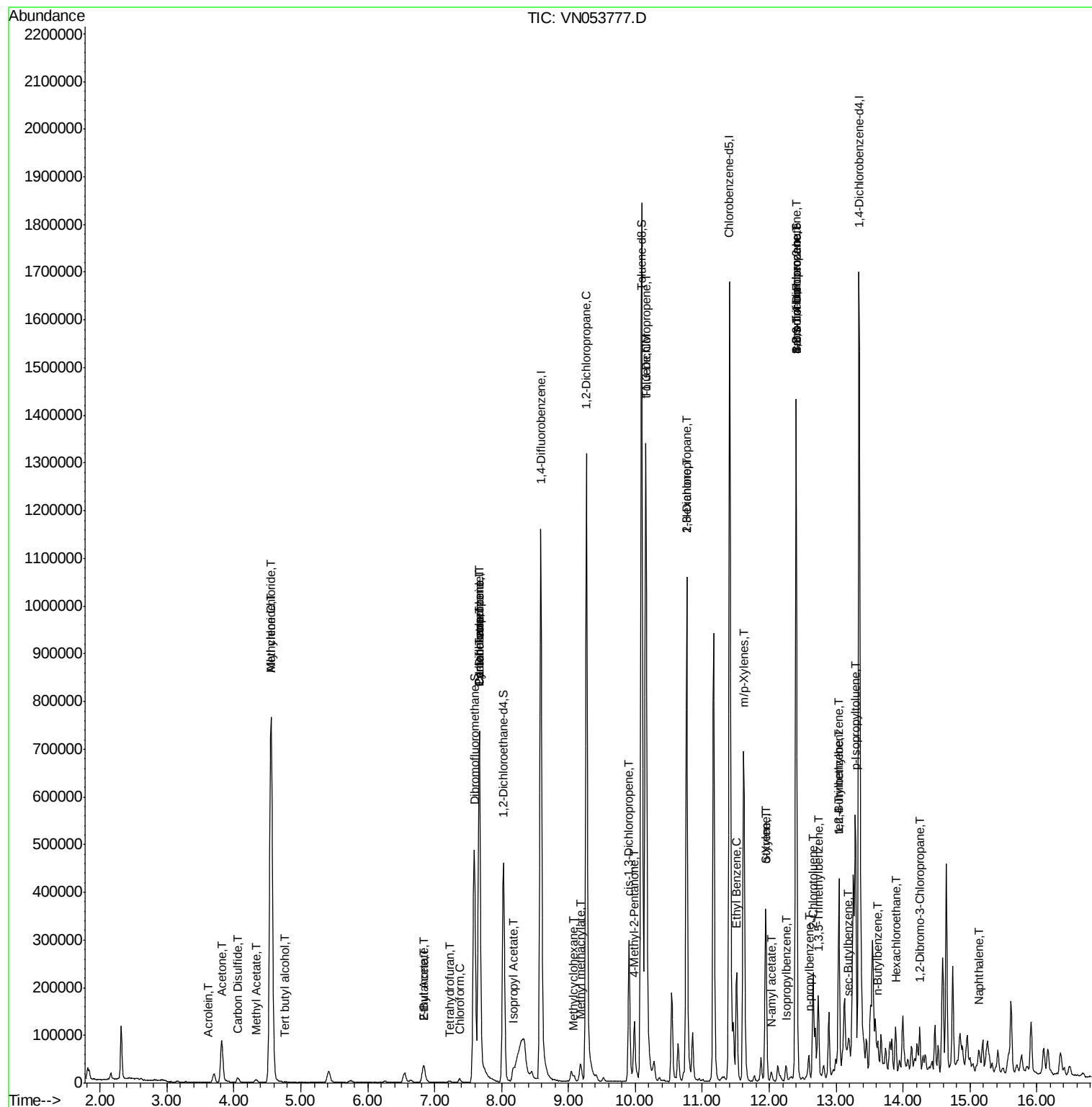
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	68394	2.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	229529	101.179	ug/l #	15
83) tert-Butylbenzene	13.04	119	30916	1.208	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.04	105	243240	8.247	ug/l	99
85) sec-Butylbenzene	13.17	105	14736	0.423	ug/l	89
86) p-Isopropyltoluene	13.29	119	320302	10.518	ug/l	90
89) n-Butylbenzene	13.61	91	8232	0.312	ug/l #	62
90) Hexachloroethane	13.89	117	5313	1.058	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.24	75	277	0.233	ug/l #	1
95) Naphthalene	15.13	128	38533	3.441	ug/l #	97

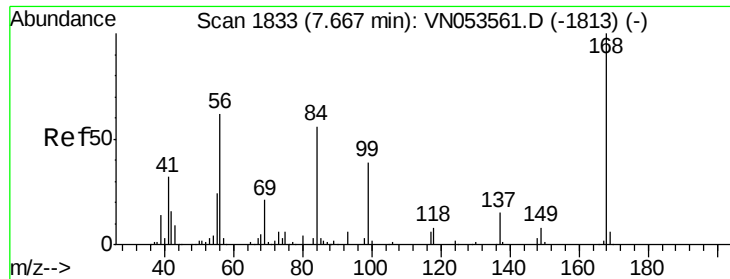
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

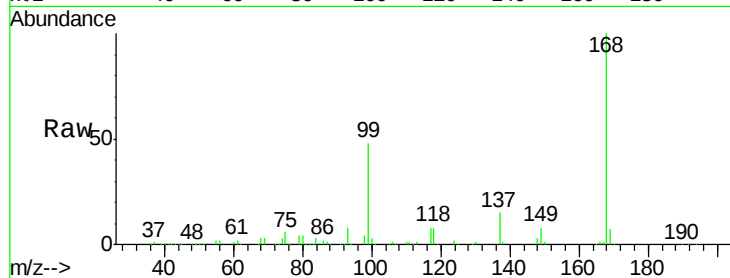
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 709591

Ion Ratio Lower Upper

168 100

99 47.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

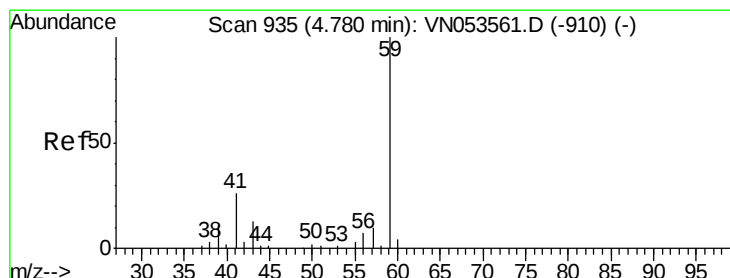
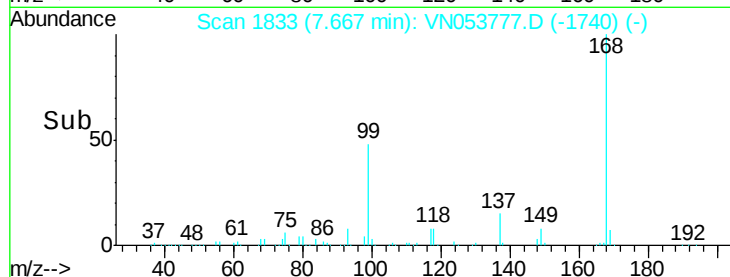
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.916 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.02 min

Lab File: VN053777.D

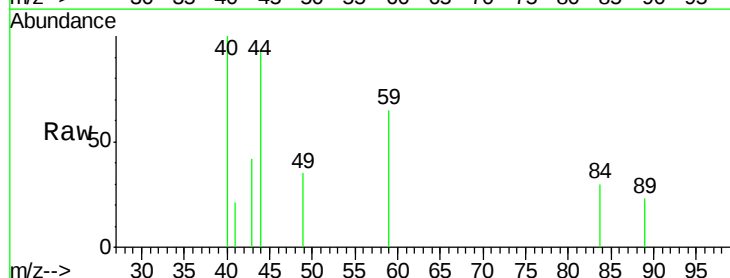
Acq: 14 Feb 2019 14:15

Tgt Ion: 59 Resp: 386

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.76

600

500

400

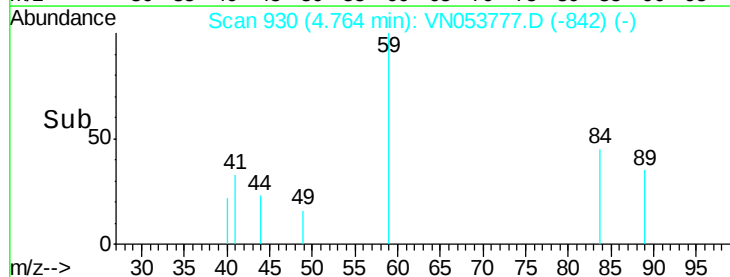
300

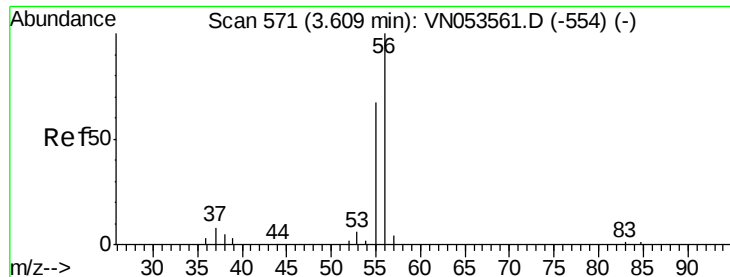
200

100

0

Time-->





#13

Acrolein

Concen: 5.973 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

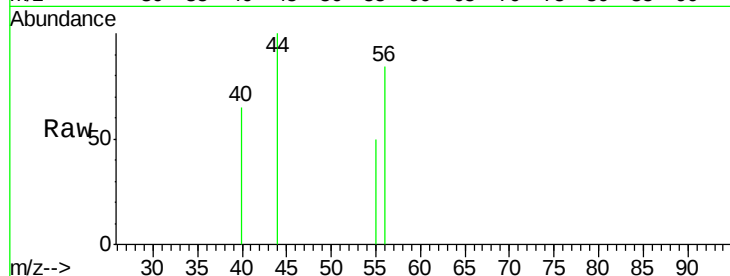
ClientSampleId :

Tot Ion: 56 Resp: 1370

Ion Ratio Lower Upper

56 100

55 68.3 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

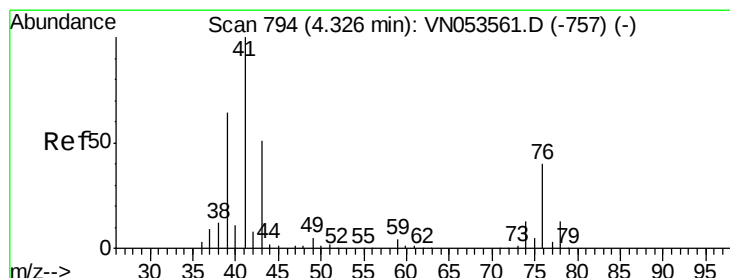
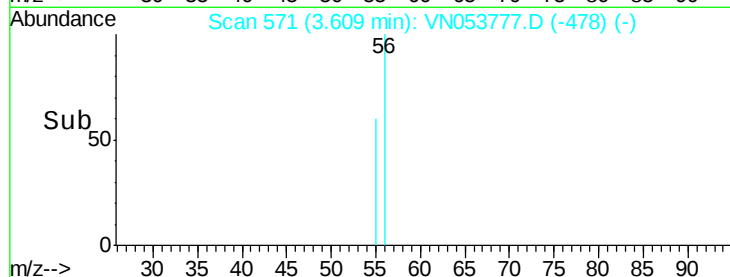
600

400

200

0

Time--> 3.55 3.60 3.65



#14

Allyl chloride

Concen: 2.159 ug/l

RT: 4.56 min Scan# 867

Delta R.T. 0.23 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

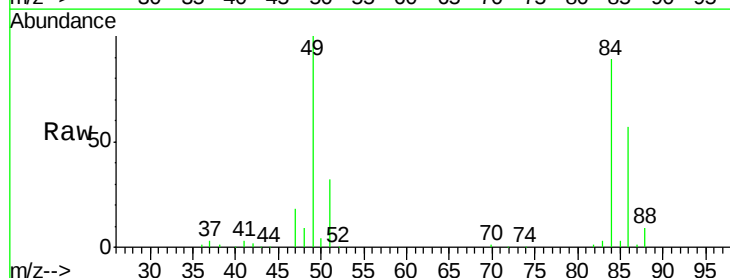
Tgt Ion: 41 Resp: 22593

Ion Ratio Lower Upper

41 100

39 0.1 48.9 73.3#

76 0.0 29.4 44.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.56

8000

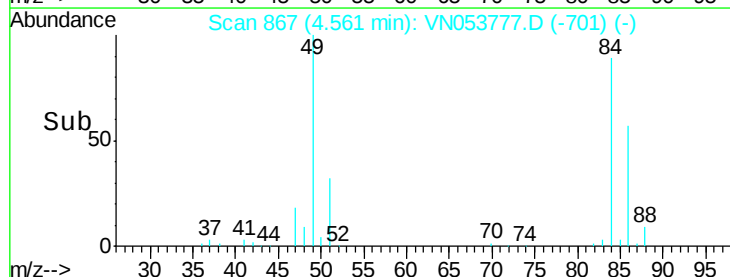
6000

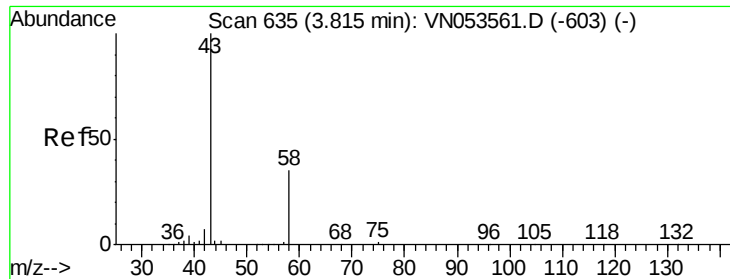
4000

2000

0

Time--> 4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: 82.061 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

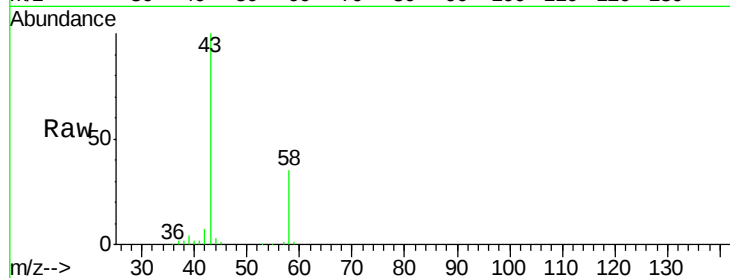
ClientSampled :

Tot Ion: 43 Resp: 149838

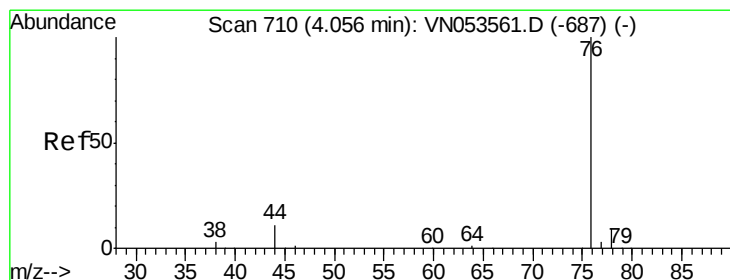
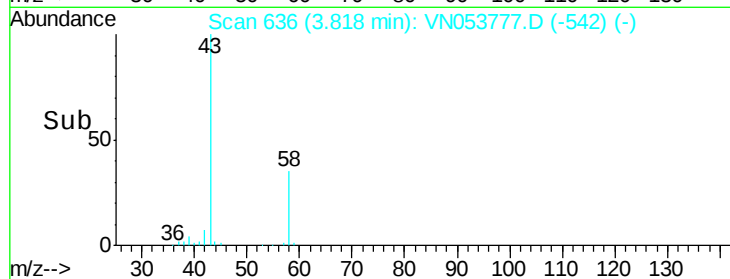
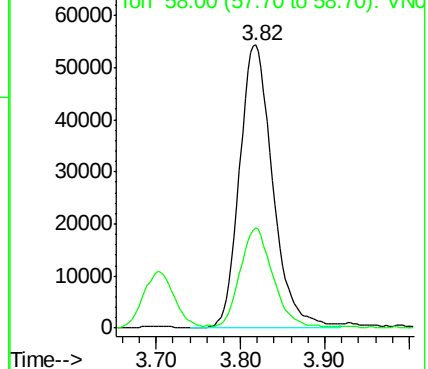
Ion Ratio Lower Upper

43 100

58 34.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053777.D (-542) (-)



#17

Carbon Disulfide

Concen: 0.524 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053777.D

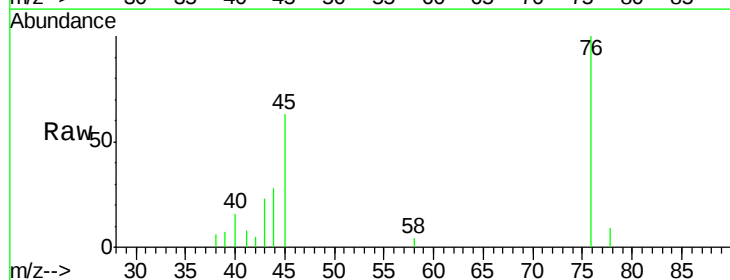
Acq: 14 Feb 2019 14:15

Tgt Ion: 76 Resp: 10727

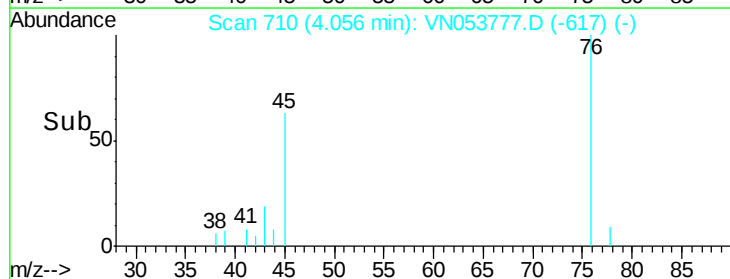
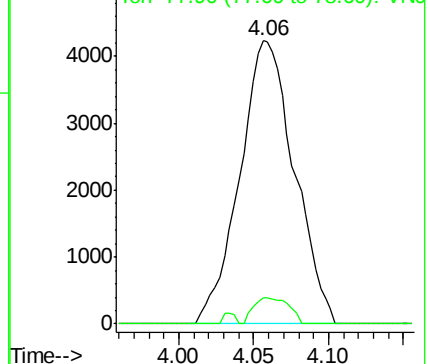
Ion Ratio Lower Upper

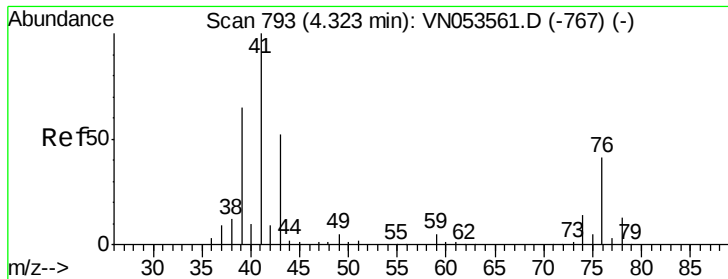
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN053777.D (-617) (-)

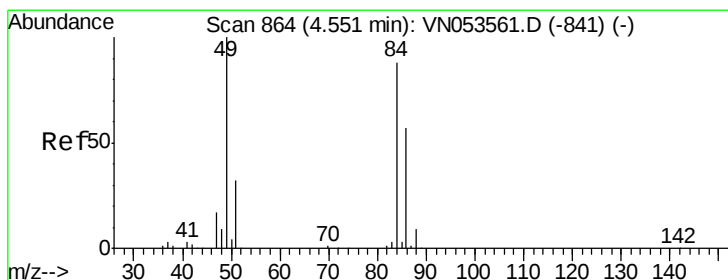
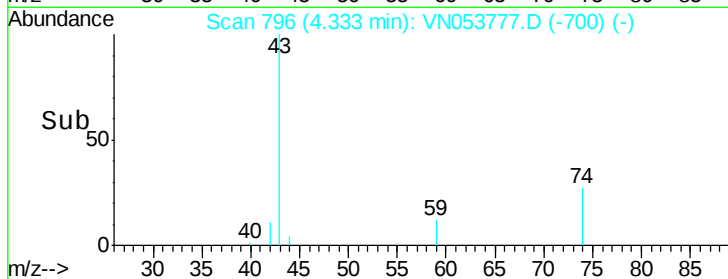
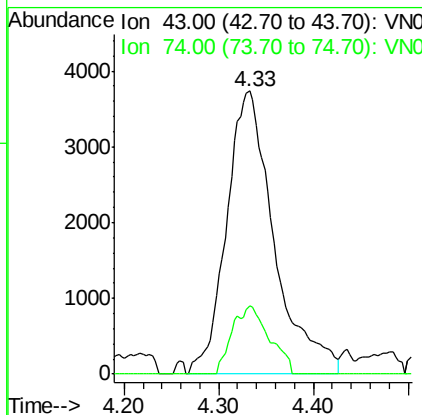
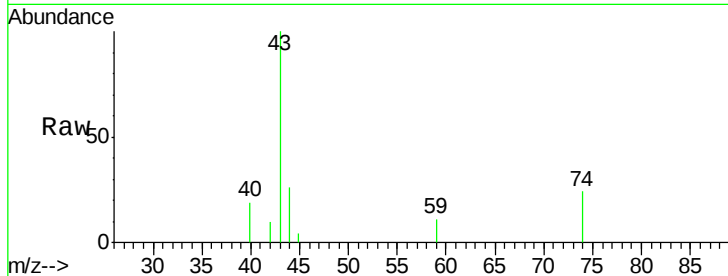




#18
Methyl Acetate
Concen: 2.425 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

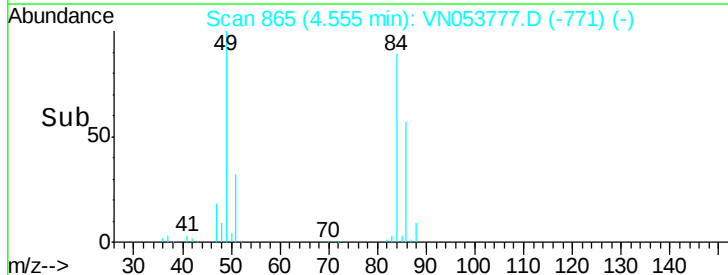
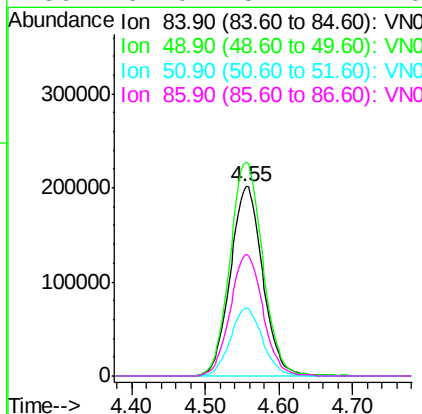
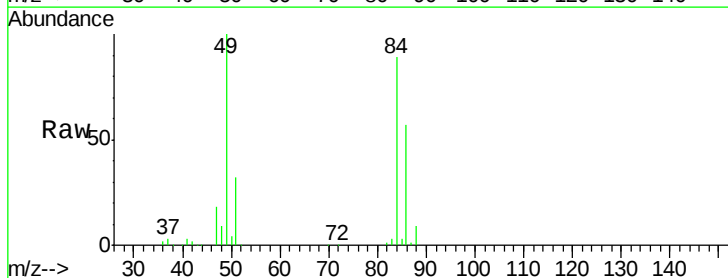
Instrument :
MSVOA_N
ClientSampleId :

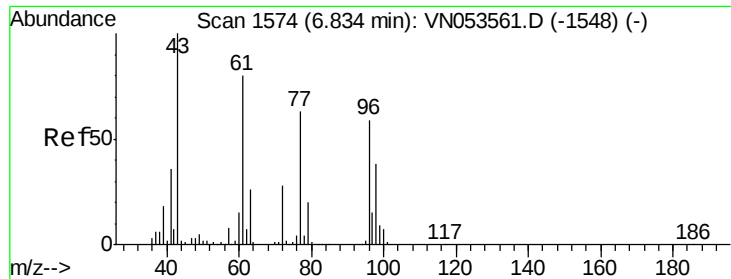
Tot Ion: 43 Resp: 13112
Ion Ratio Lower Upper
43 100
74 18.8 19.4 29.2#



#20
Methylene Chloride
Concen: 80.482 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

Tgt Ion: 84 Resp: 616535
Ion Ratio Lower Upper
84 100
49 112.8 94.3 141.5
51 36.0 29.4 44.2
86 64.0 51.4 77.0





#25

2-Butanone

Concen: 22.914 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

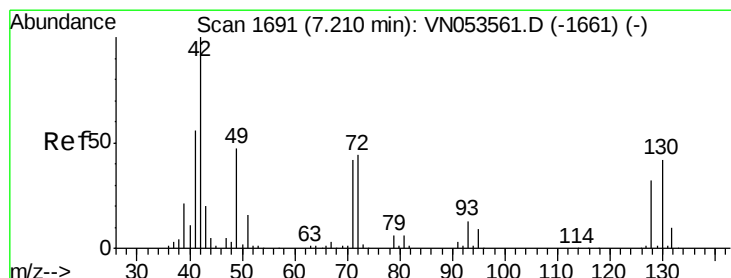
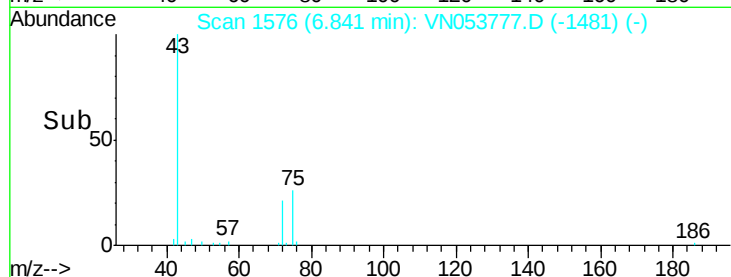
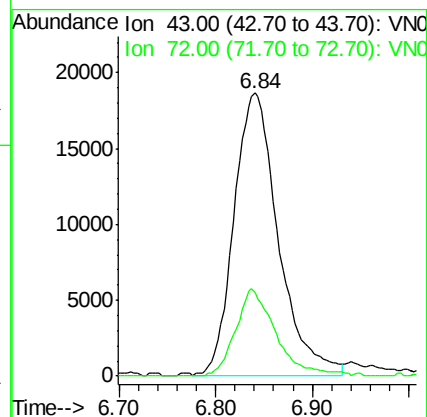
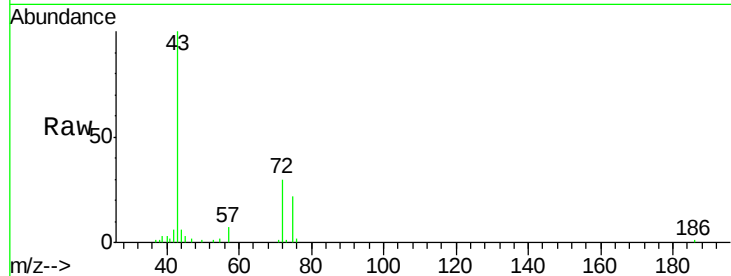
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 59672

Ion Ratio Lower Upper

43 100

72 29.7 22.0 33.0



#29

Tetrahydrofuran

Concen: 1.552 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

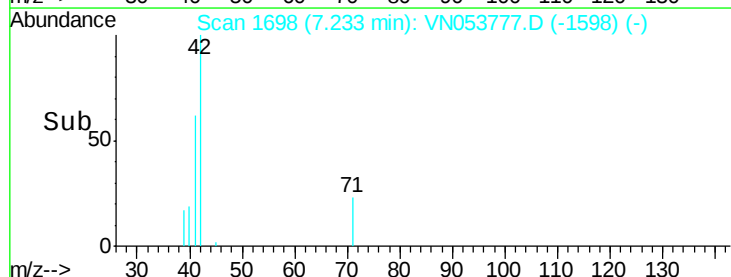
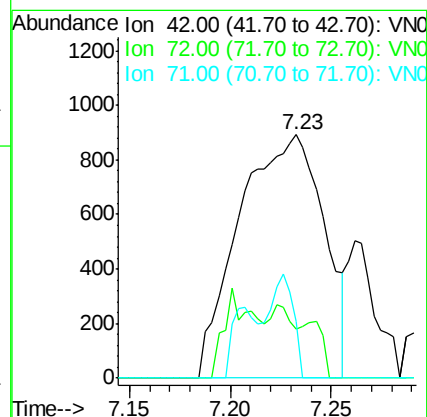
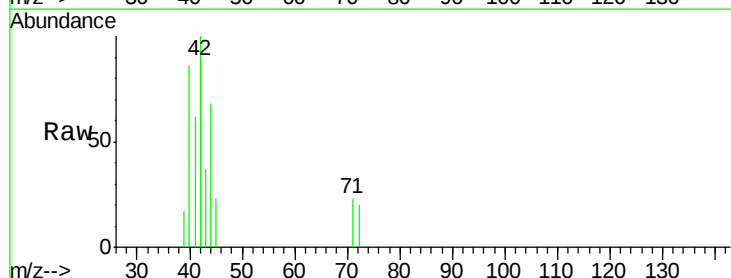
Tgt Ion: 42 Resp: 2595

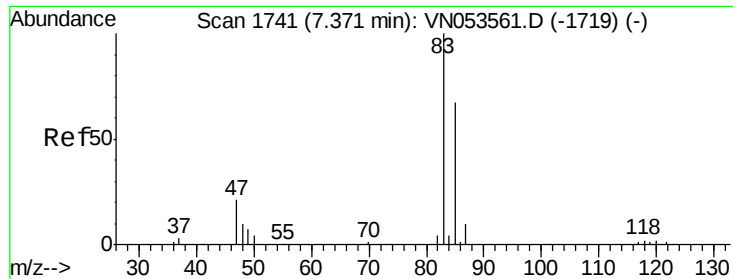
Ion Ratio Lower Upper

42 100

72 2.9 35.2 52.8#

71 12.6 33.0 49.4#

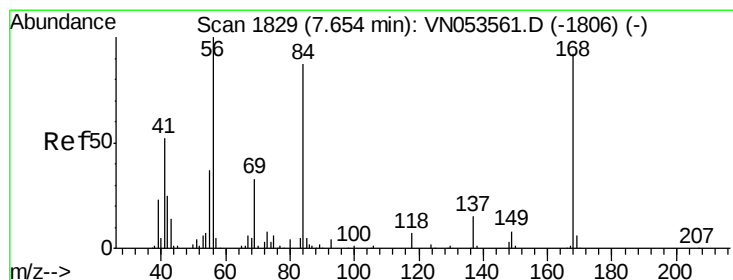
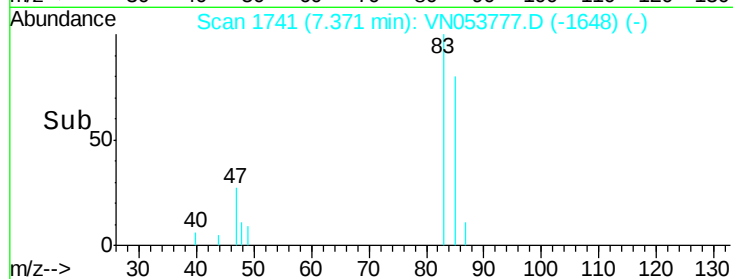
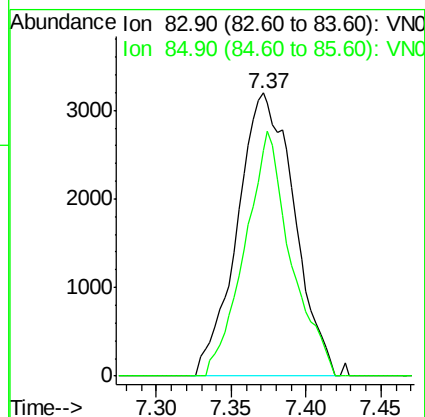
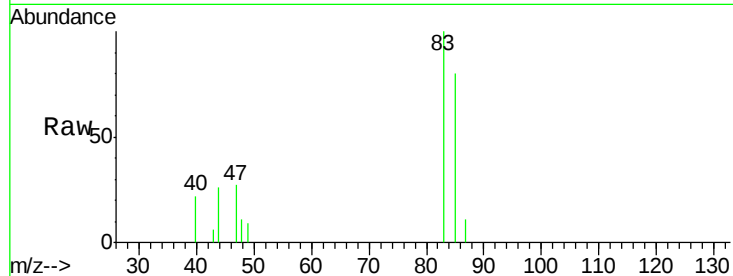




#30
Chloroform
Concen: 0.661 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

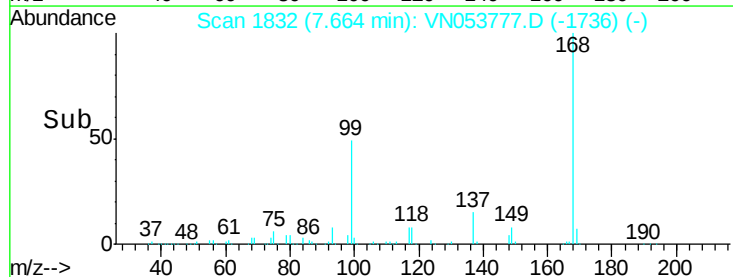
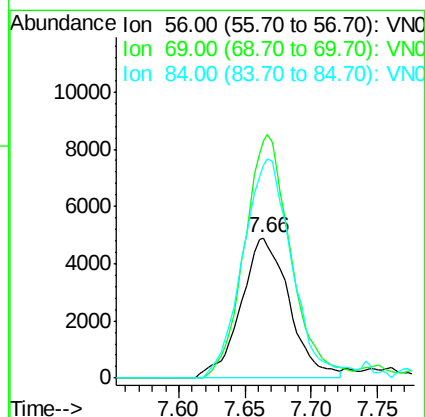
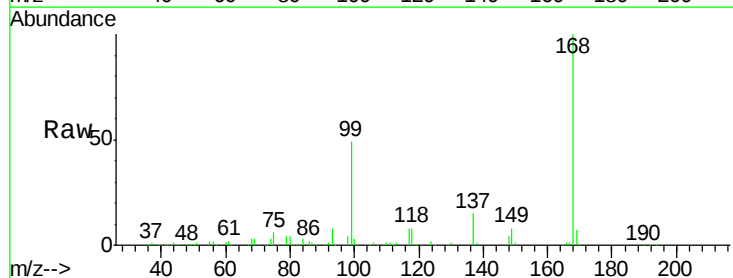
Instrument :
MSVOA_N
ClientSampleId :

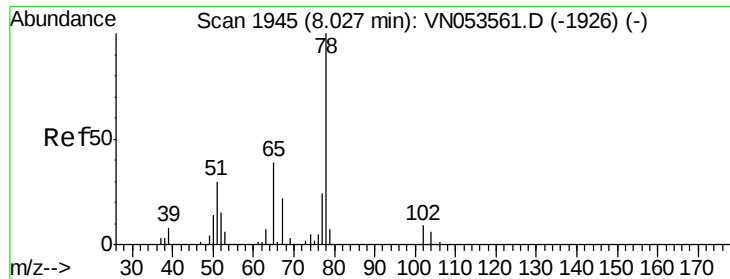
Tot Ion: 83 Resp: 8474
Ion Ratio Lower Upper
83 100
85 79.8 52.2 78.2#



#31
Cyclohexane
Concen: 0.867 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

Tgt Ion: 56 Resp: 12439
Ion Ratio Lower Upper
56 100
69 169.4 26.4 39.6#
84 152.3 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: 54.915 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

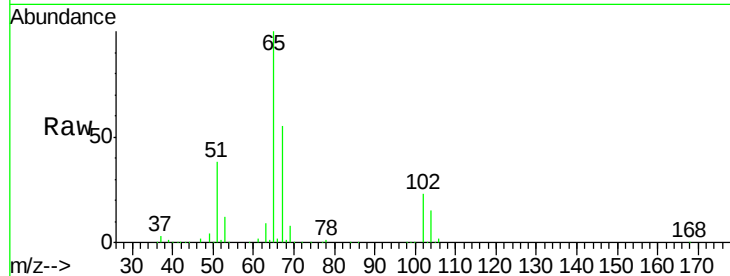
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 390916

Ion Ratio Lower Upper

65 100

67 54.5 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053777.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053777.D (-1852) (-)

8.03

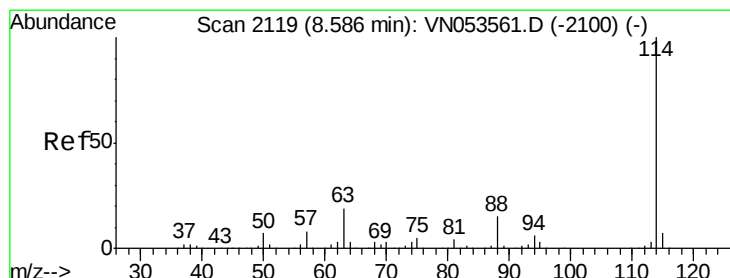
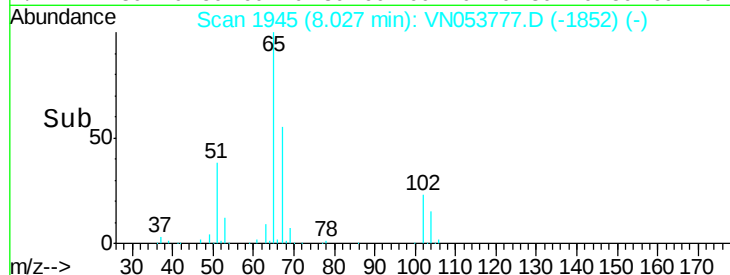
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

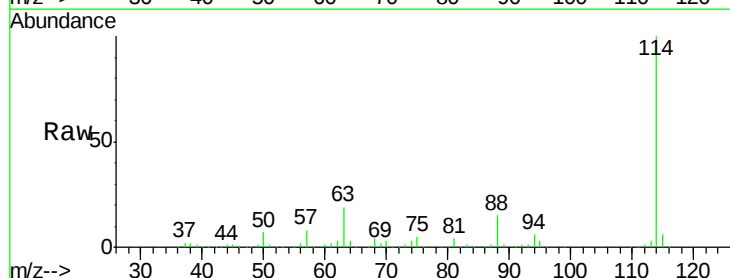
Tgt Ion: 114 Resp: 1221302

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

88 14.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053777.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053777.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053777.D (-2026) (-)

8.59

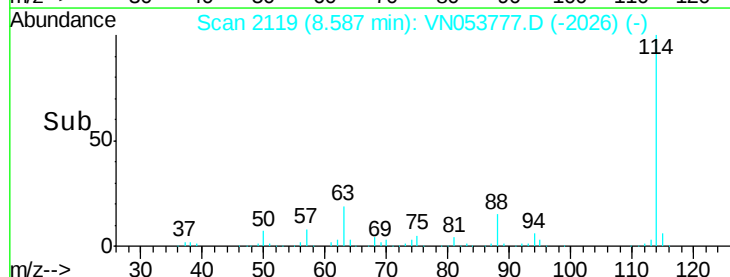
600000

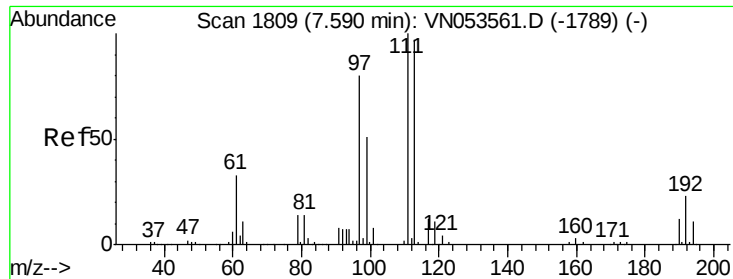
400000

200000

0

Time-->

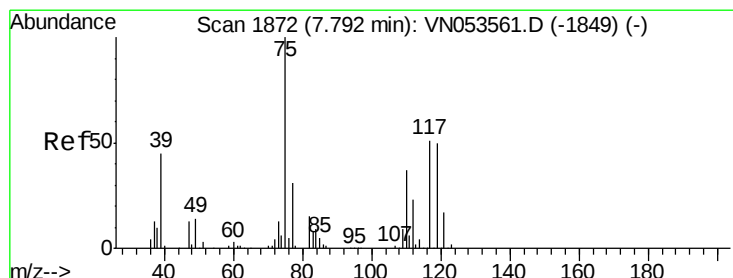
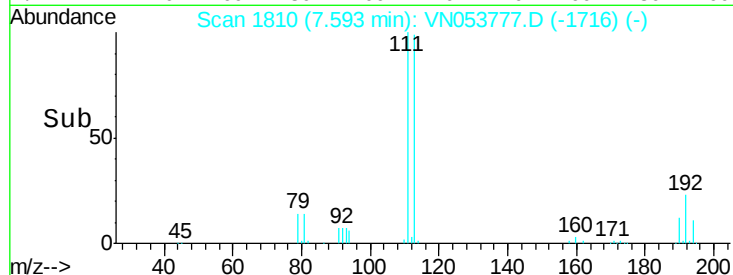
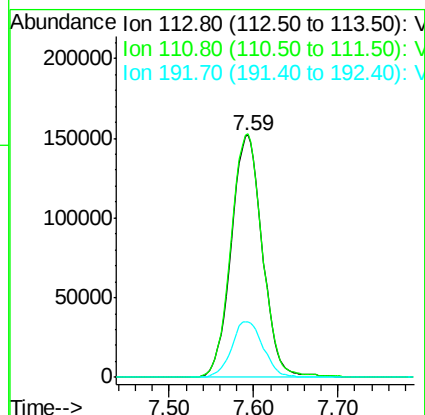
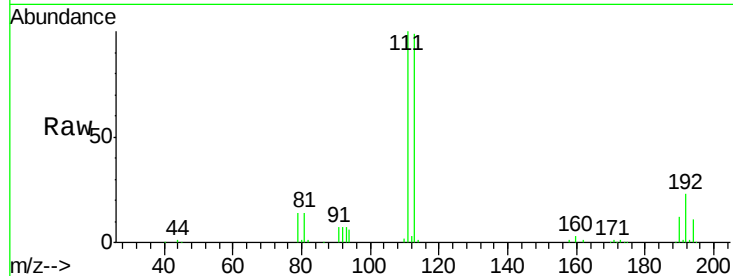




#35
 Dibromofluoromethane
 Concen: 50.677 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

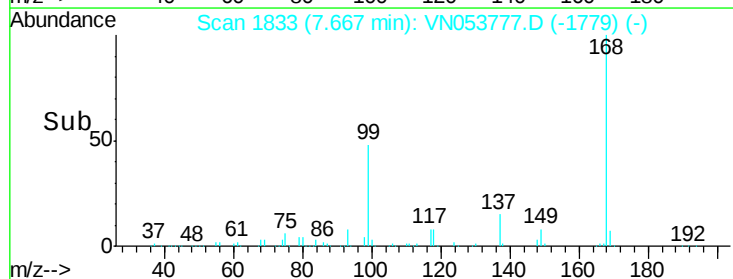
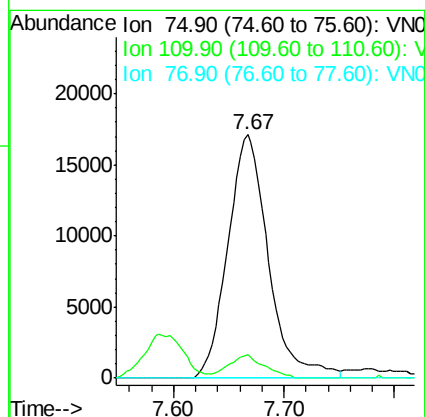
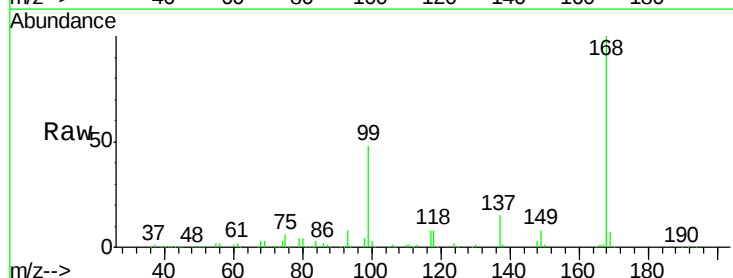
Instrument :
 MSVOA_N
 ClientSampleId :

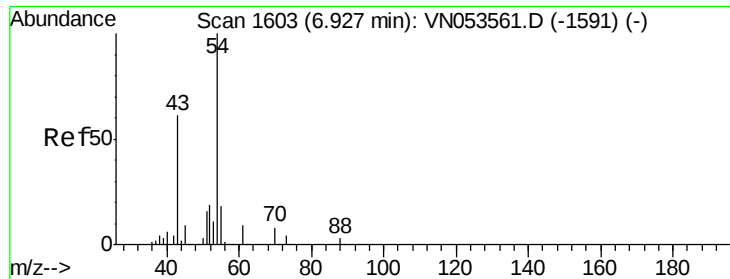
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.1	121.7
192	23.2	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 3.963 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.3#
77	0.0	25.1	37.7#

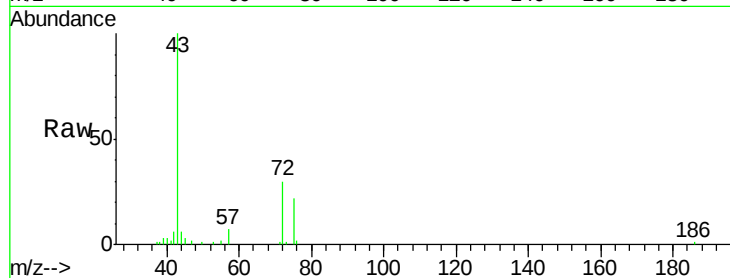




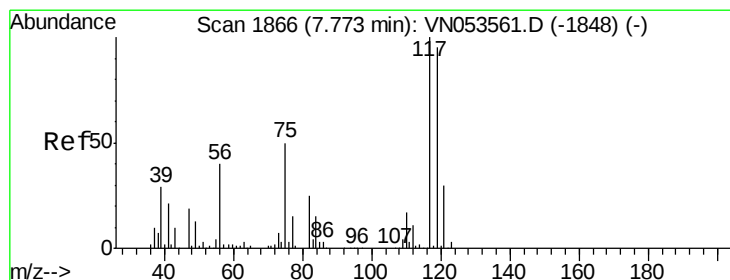
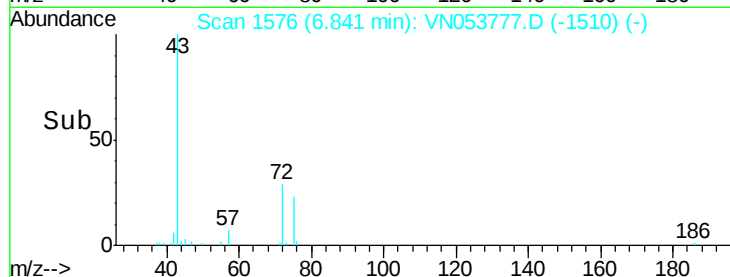
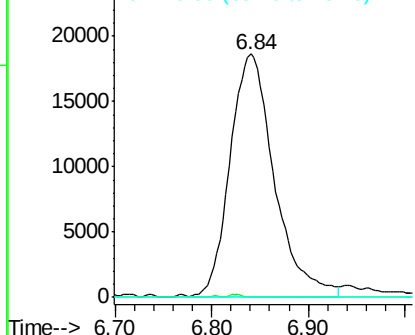
#37
Ethyl Acetate
Concen: 9.705 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.09 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 59672
Ion Ratio Lower Upper
43 100
61 0.3 11.8 17.6#
70 0.0 8.6 12.8#

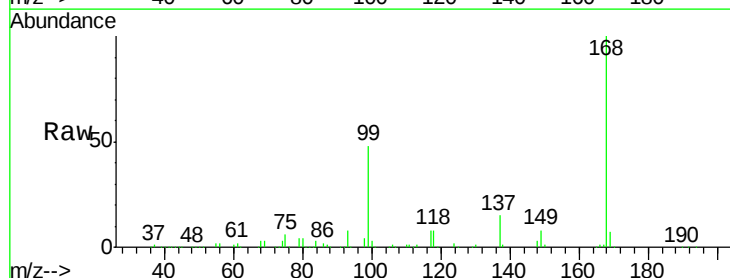


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

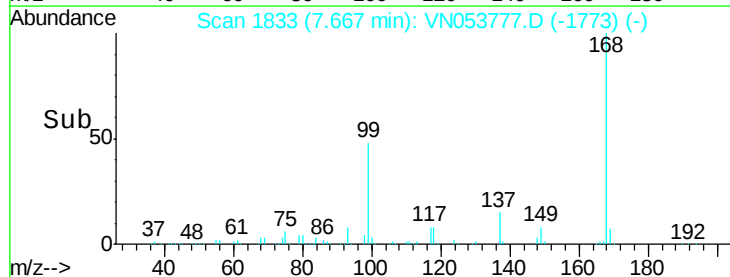
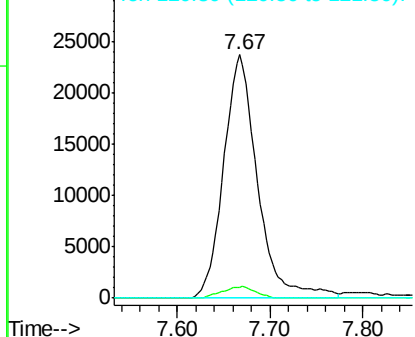


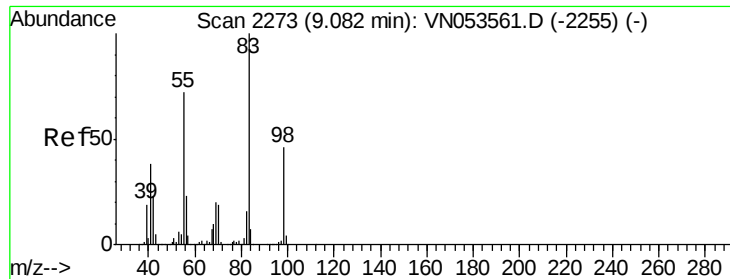
#38
Carbon Tetrachloride
Concen: 5.423 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

Tgt Ion: 117 Resp: 60140
Ion Ratio Lower Upper
117 100
119 4.6 77.2 115.8#
121 0.0 24.6 37.0#



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

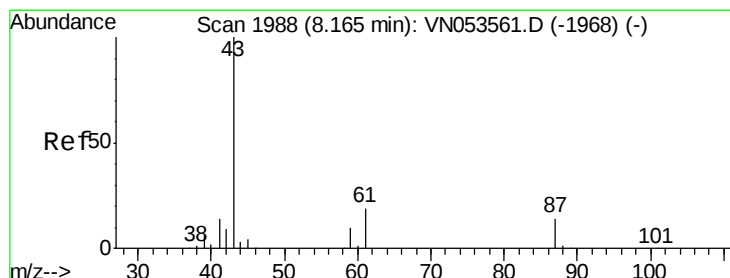
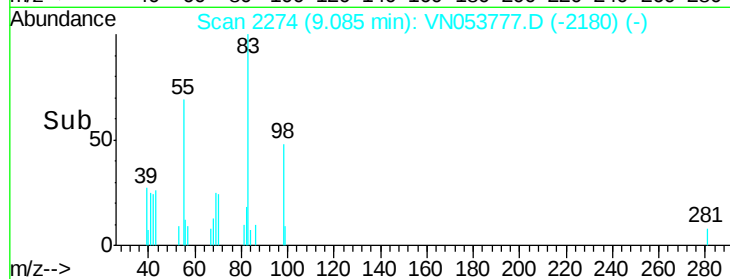
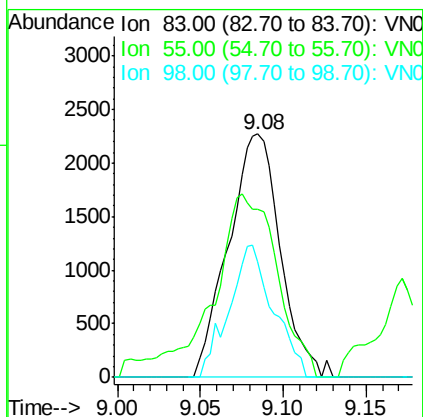
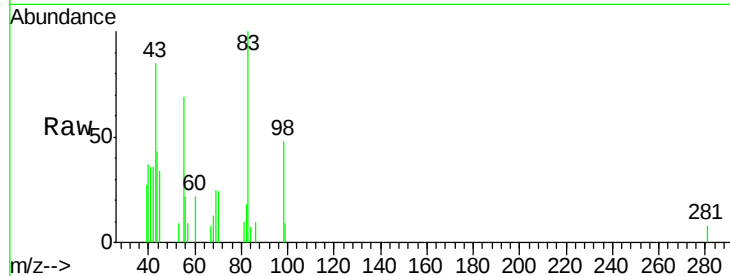




#39
Methylcyclohexane
Concen: 0.379 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

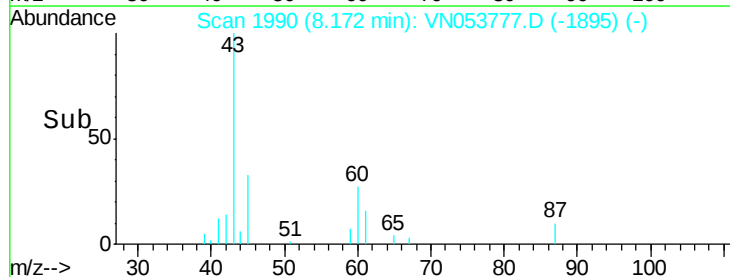
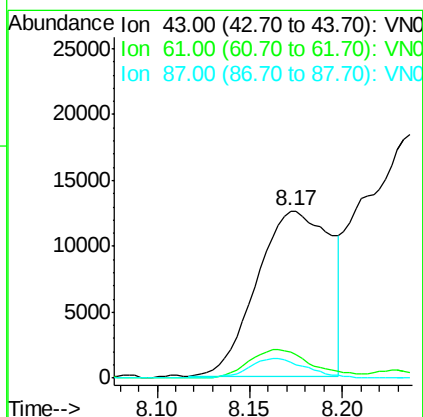
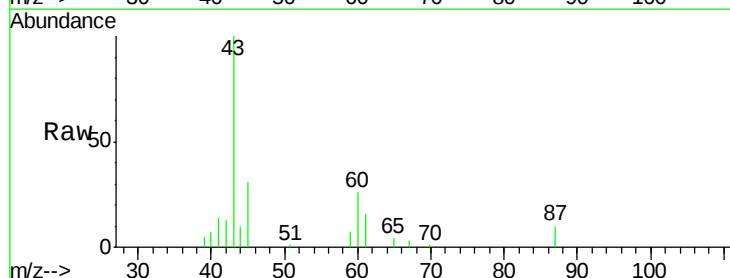
Instrument :
MSVOA_N
ClientSampled :

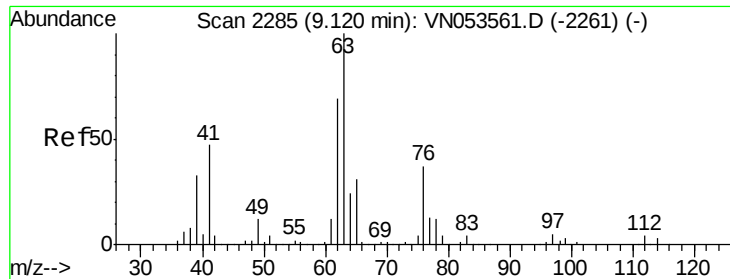
Tot Ion: 83 Resp: 4948
Ion Ratio Lower Upper
83 100
55 69.2 60.1 90.1
98 47.7 36.6 55.0



#43
Isopropyl Acetate
Concen: 2.920 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

Tgt Ion: 43 Resp: 34673
Ion Ratio Lower Upper
43 100
61 14.9 23.9 35.9#
87 9.2 11.0 16.6#

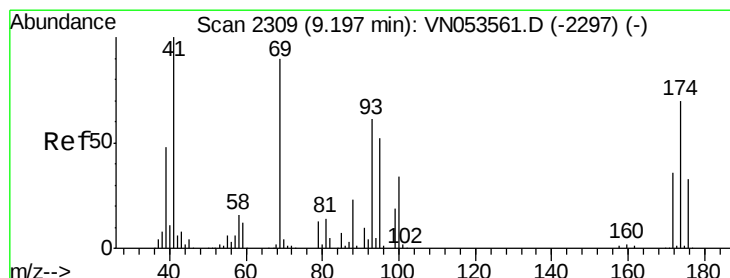
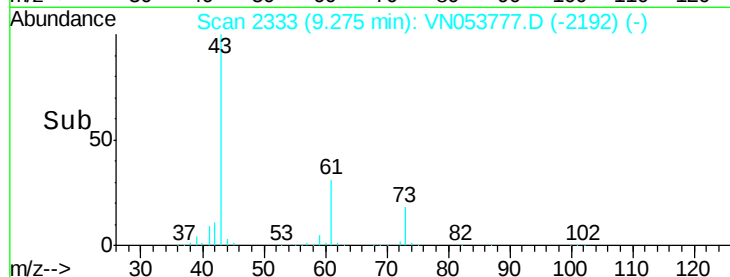
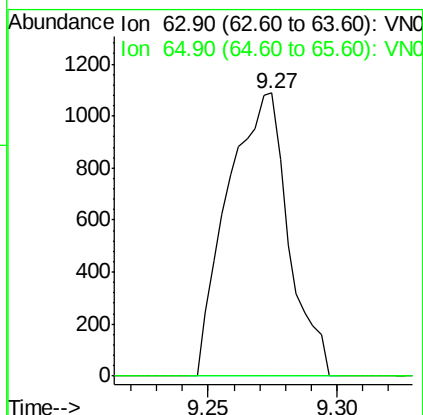
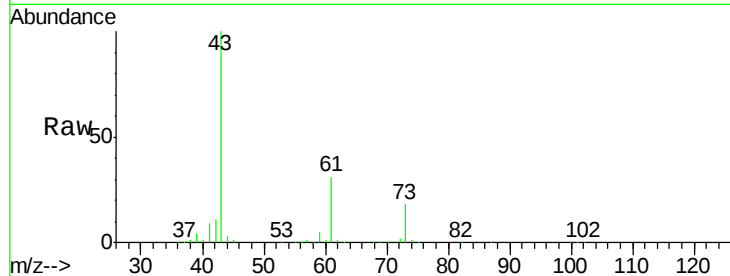




#45
 1,2-Dichloropropane
 Concen: 0.205 ug/l
 RT: 9.27 min Scan# 2333
 Delta R.T. 0.15 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

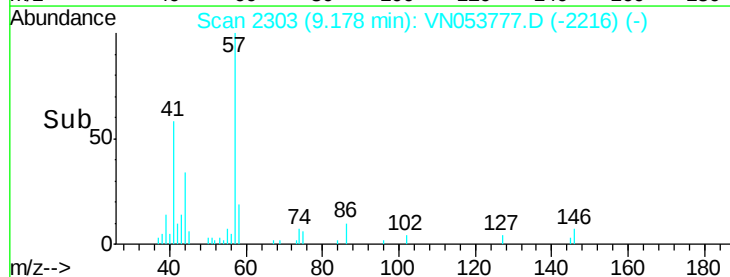
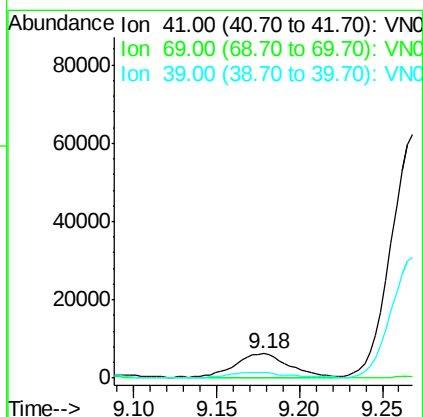
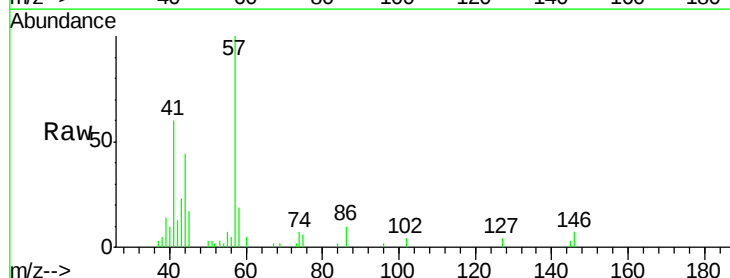
Instrument :
 MSVOA_N
 ClientSampleId :

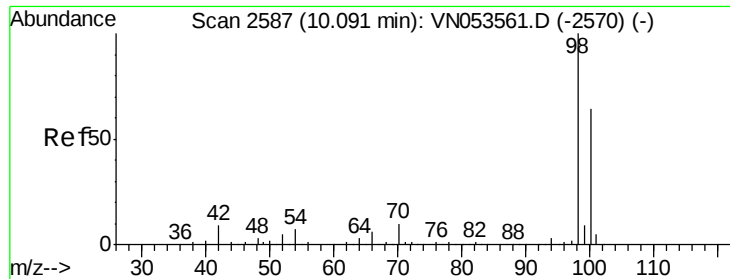
Tot Ion: 63 Resp: 1782
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 2.348 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

Tgt Ion: 41 Resp: 13308
 Ion Ratio Lower Upper
 41 100
 69 0.5 73.8 110.6#
 39 30.2 40.0 60.0#





#50

Toluene-d8

Concen: 51.437 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

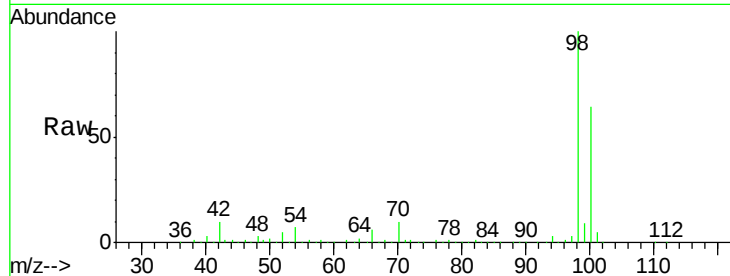
ClientSampled :

Tot Ion: 98 Resp: 1490443

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)

10.09

800000

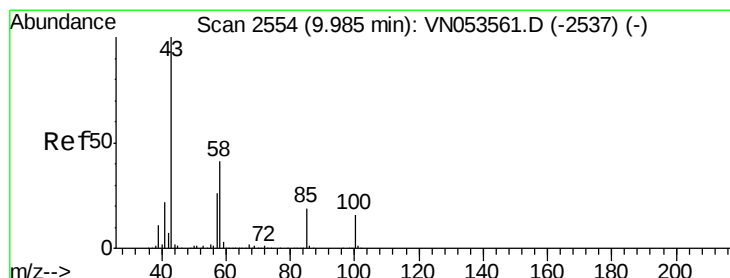
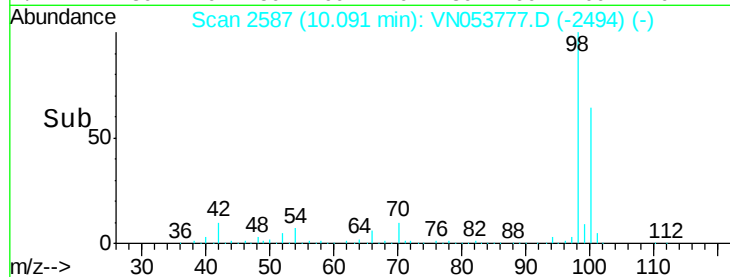
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 17.832 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053777.D

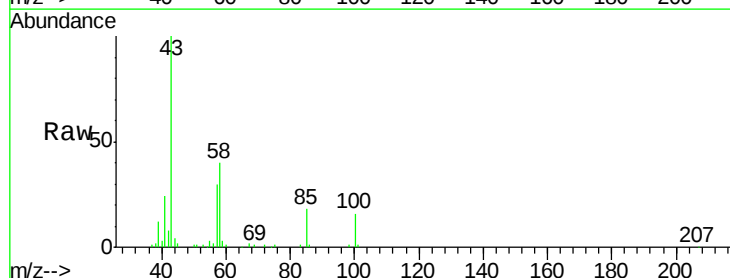
Acq: 14 Feb 2019 14:15

Tgt Ion: 43 Resp: 104051

Ion Ratio Lower Upper

43 100

58 35.3 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2537) (-)

9.99

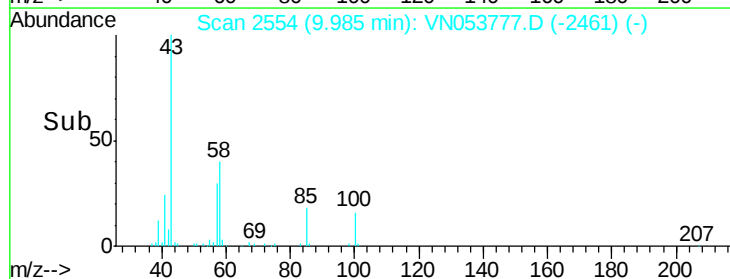
60000

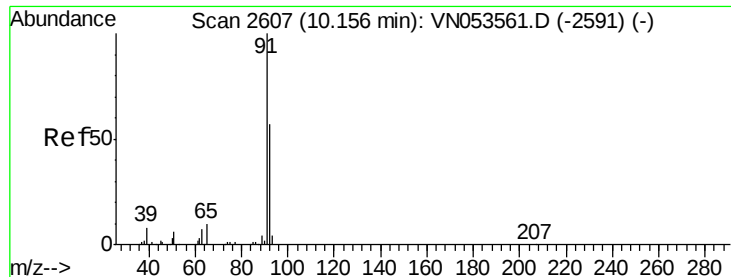
40000

20000

0

Time-->





#52

Toluene

Concen: 32.890 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

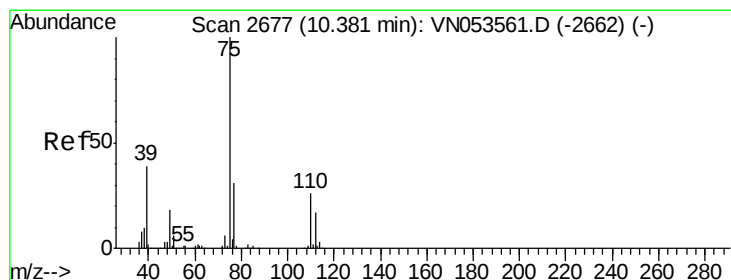
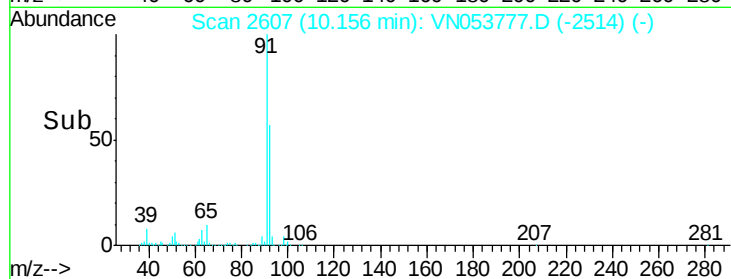
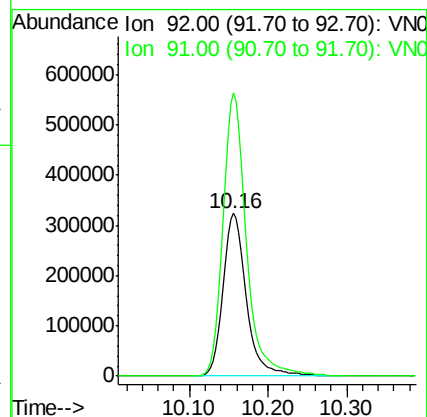
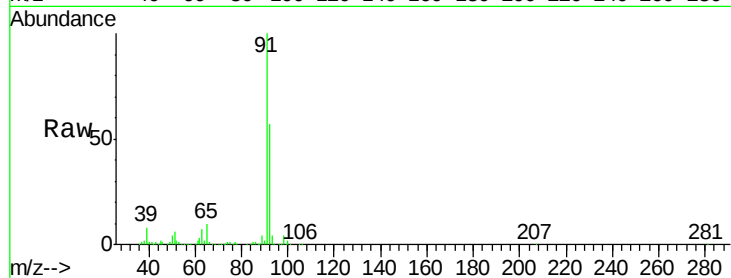
ClientSampleId :

Tot Ion: 92 Resp: 662706

Ion Ratio Lower Upper

92 100

91 174.0 139.9 209.9



#53

t-1,3-Dichloropropene

Concen: 0.621 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN053777.D

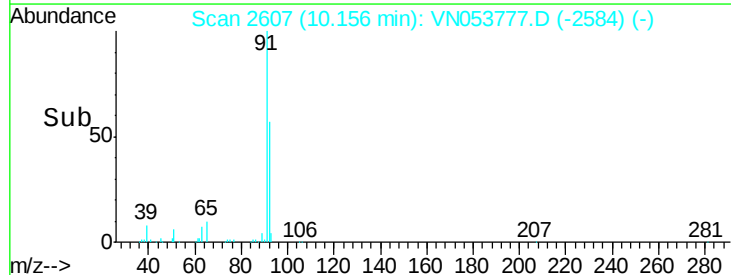
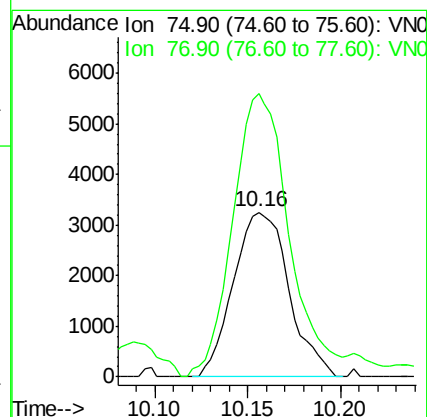
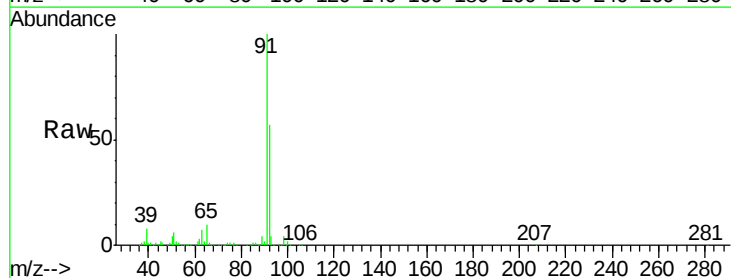
Acq: 14 Feb 2019 14:15

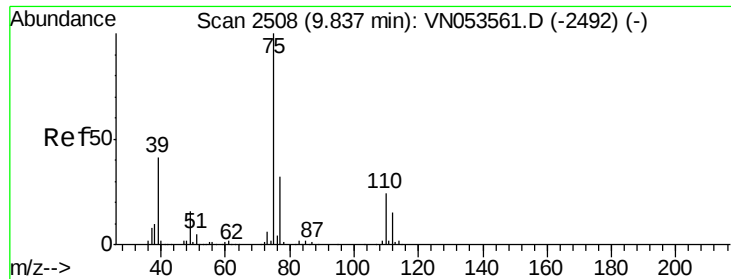
Tgt Ion: 75 Resp: 6769

Ion Ratio Lower Upper

75 100

77 167.0 25.5 38.3#



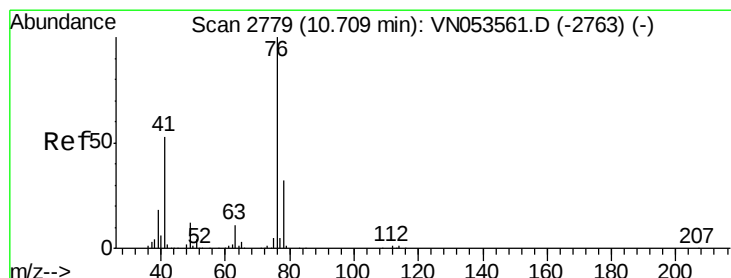
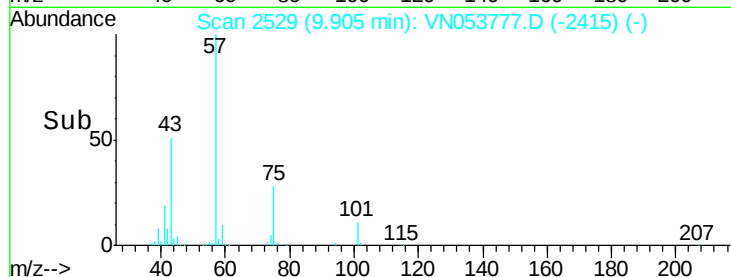
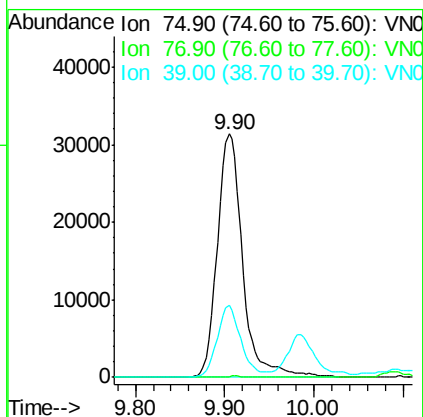
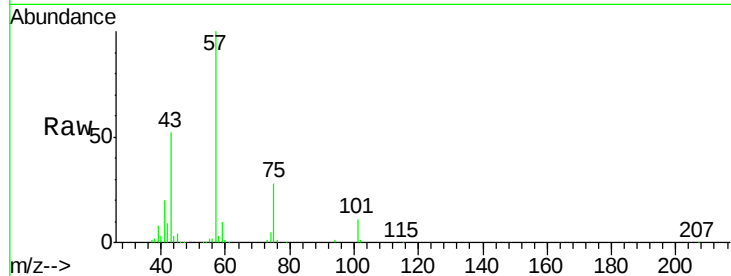


#54

cis-1,3-Dichloropropene
 Concen: 4.789 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

Instrument :
 MSVOA_N
 ClientSampled :

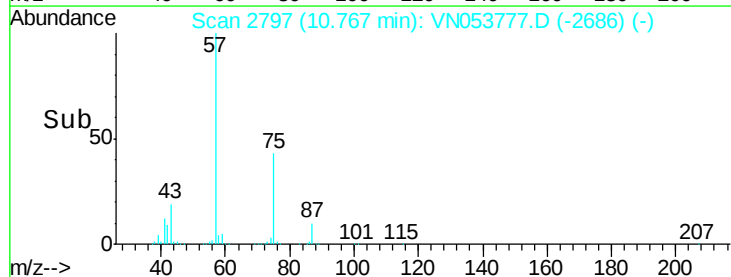
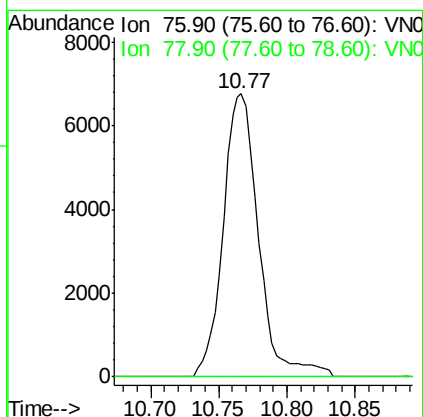
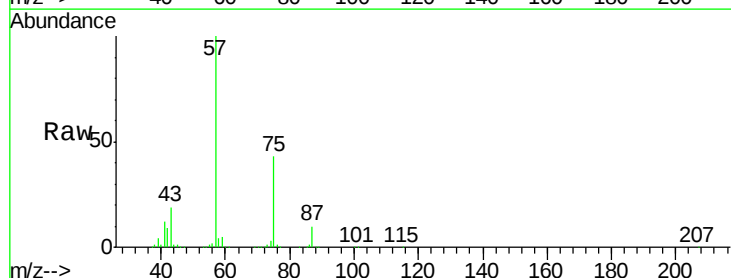
Tot Ion: 75 Resp: 61850
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#
 39 29.6 33.4 50.0#

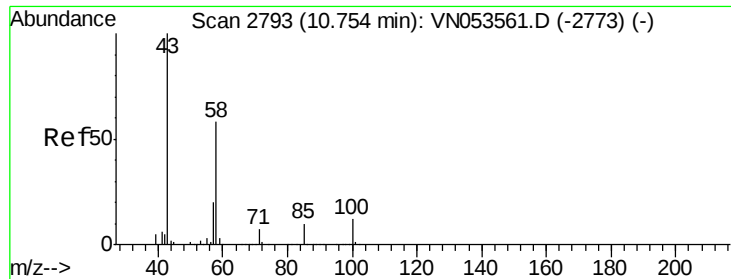


#57

1,3-Dichloropropane
 Concen: 0.980 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

Tgt Ion: 76 Resp: 12160
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

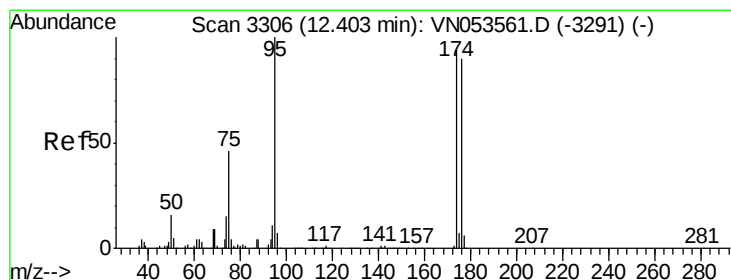
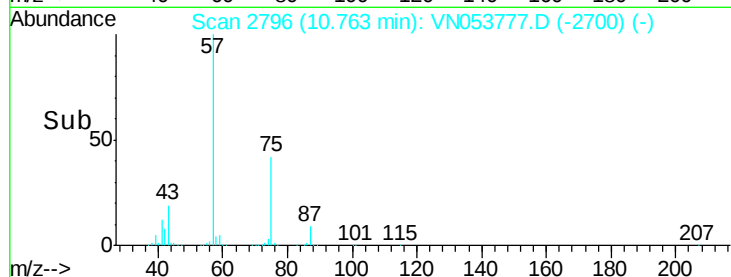
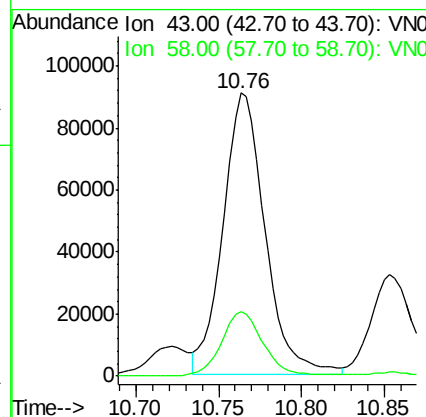
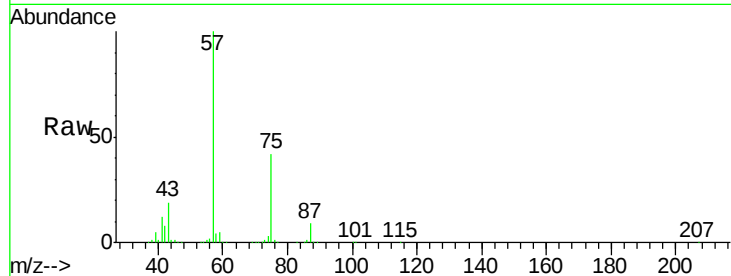




#59
2-Hexanone
Concen: 40.428 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

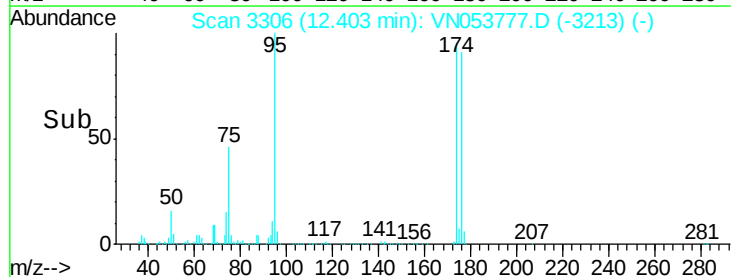
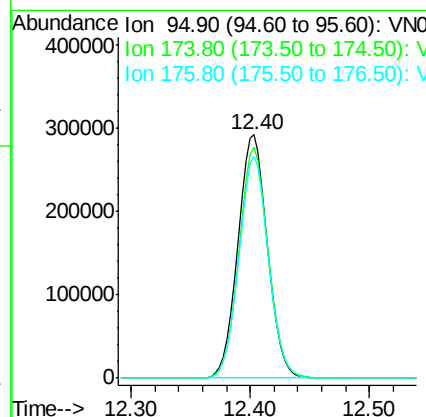
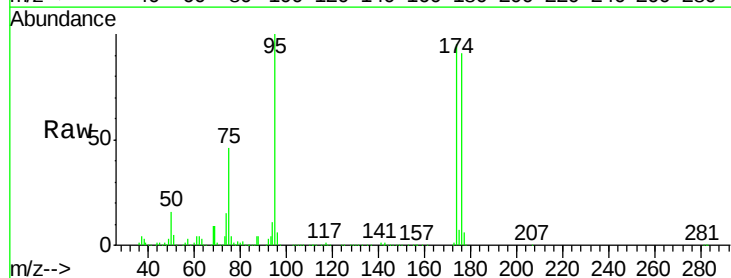
Instrument :
MSVOA_N
ClientSampled :

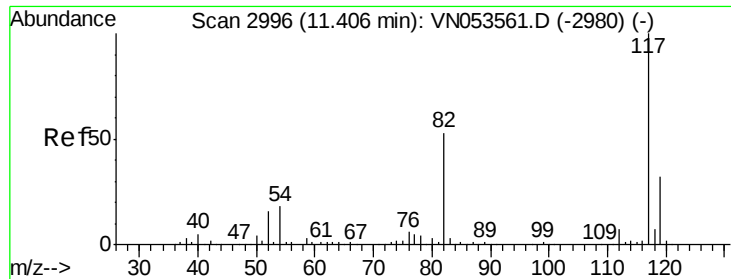
Tot Ion: 43 Resp: 160149
Ion Ratio Lower Upper
43 100
58 22.9 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 51.865 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

Tgt Ion: 95 Resp: 501225
Ion Ratio Lower Upper
95 100
174 94.0 0.0 183.2
176 90.4 0.0 177.4

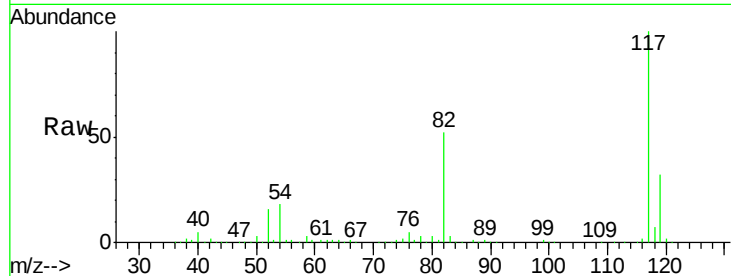




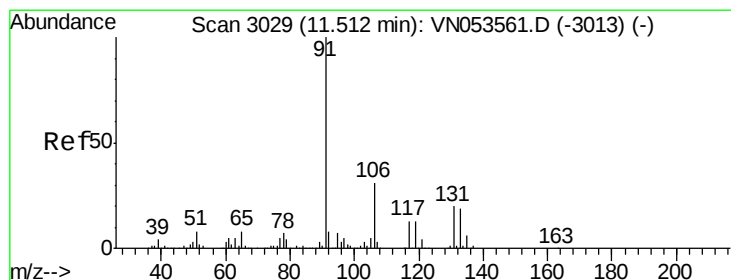
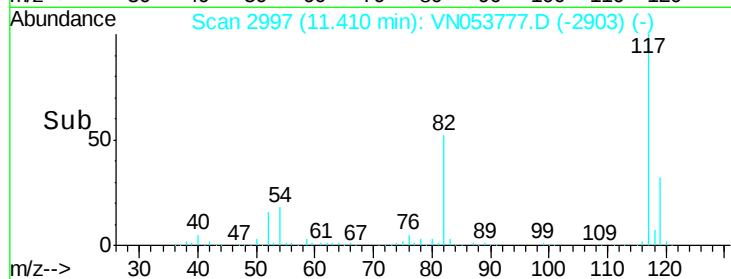
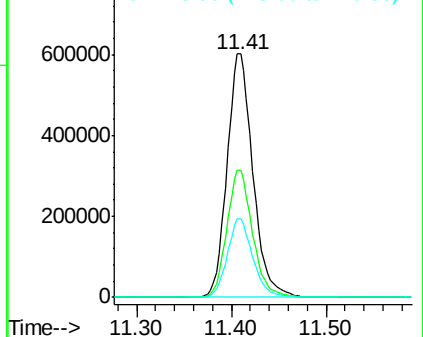
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1136748
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 32.0 26.0 39.0

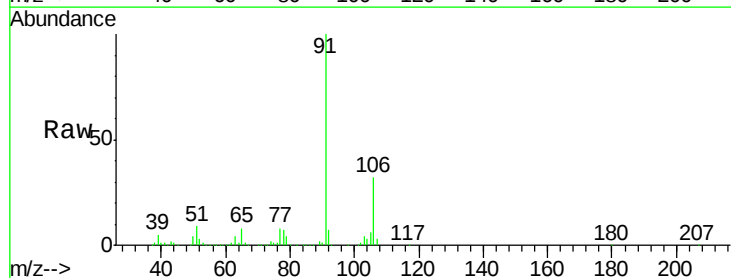


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

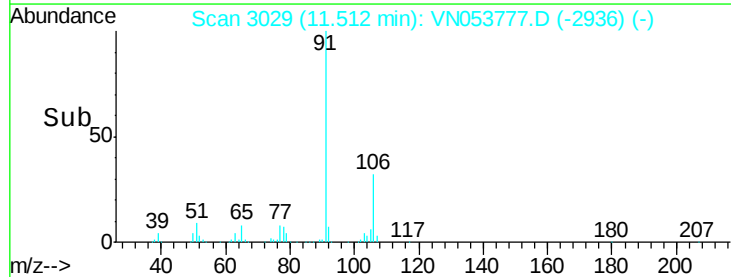
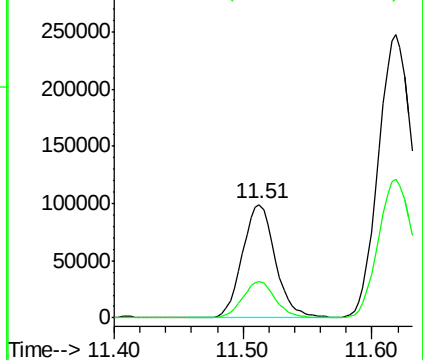


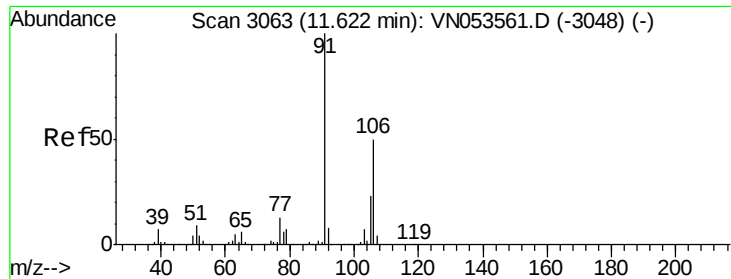
#67
Ethyl Benzene
Concen: 4.475 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

Tgt Ion: 91 Resp: 177489
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



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

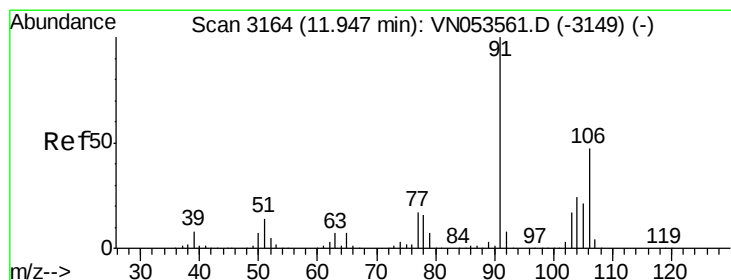
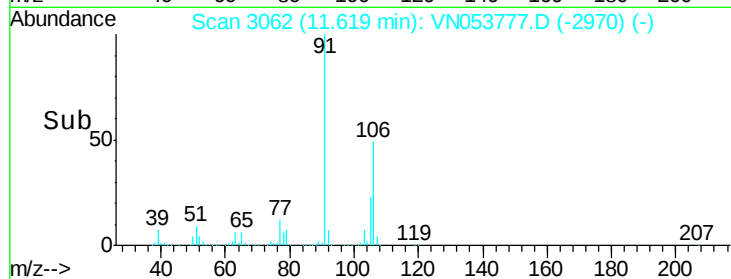
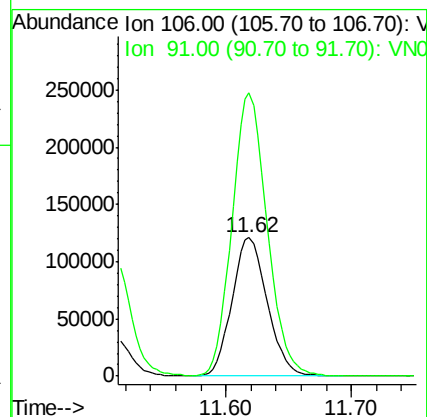
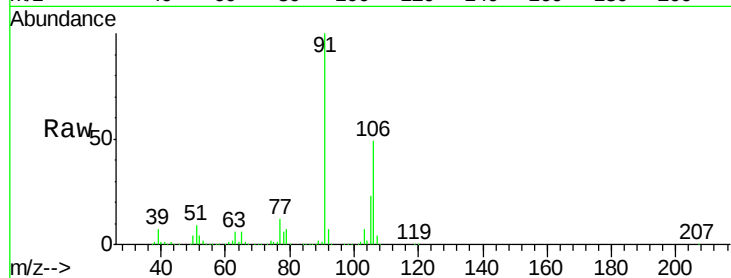




#68
m/p-Xvlenes
Concen: 15.610 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

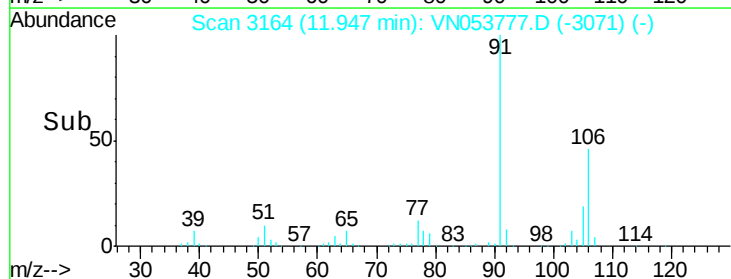
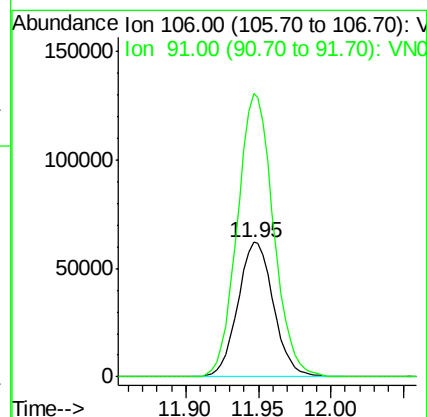
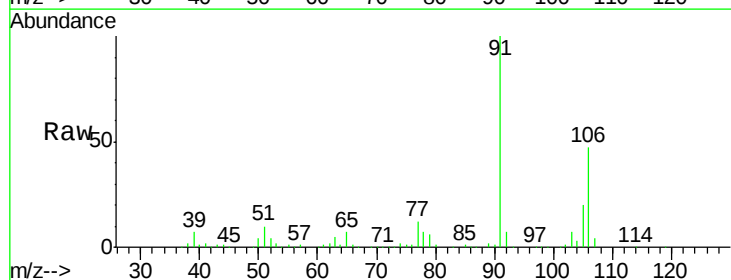
Instrument :
MSVOA_N
ClientSampleId :

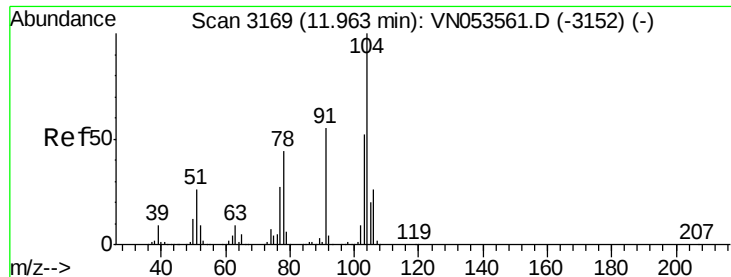
Tot Ion:106 Resp: 236315
Ion Ratio Lower Upper
106 100
91 203.0 161.4 242.2



#69
o-Xylene
Concen: 7.241 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053777.D
Acq: 14 Feb 2019 14:15

Tgt Ion:106 Resp: 105895
Ion Ratio Lower Upper
106 100
91 213.5 106.9 320.8





#70

Stvrene

Concen: 0.353 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

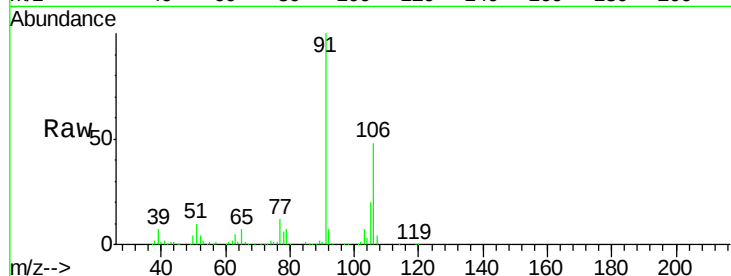
Tot Ion:104 Resp: 8360

Ion Ratio Lower Upper

104 100

78 175.2 38.2 57.2#

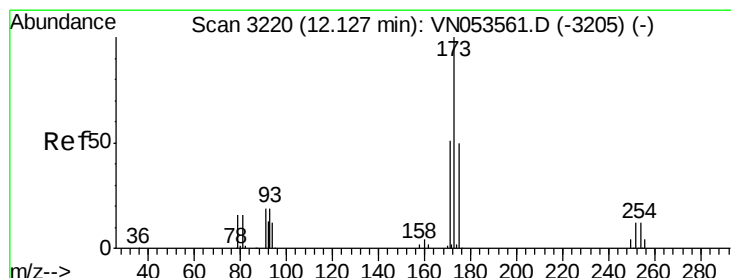
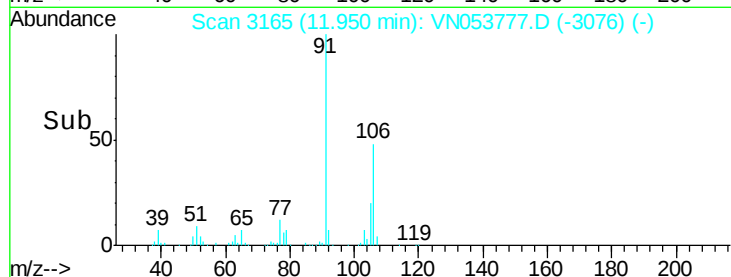
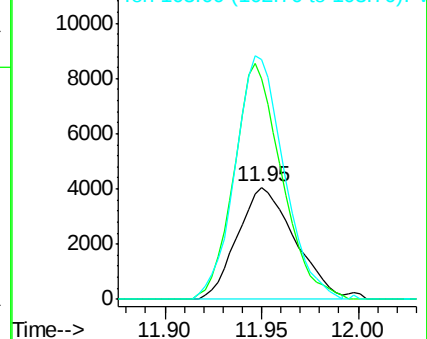
103 185.1 44.4 66.6#



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: 0.547 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

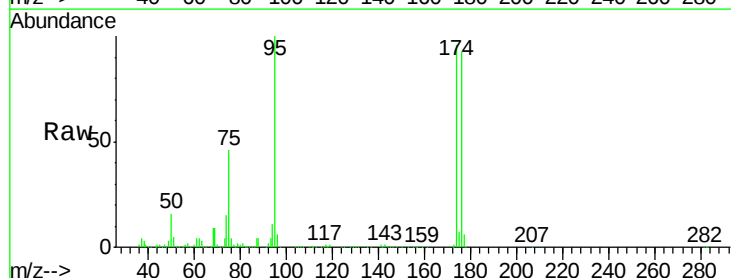
Tgt Ion:173 Resp: 3160

Ion Ratio Lower Upper

173 100

175 912.1 24.6 74.0#

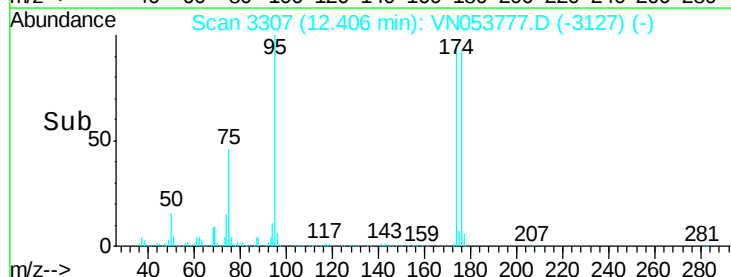
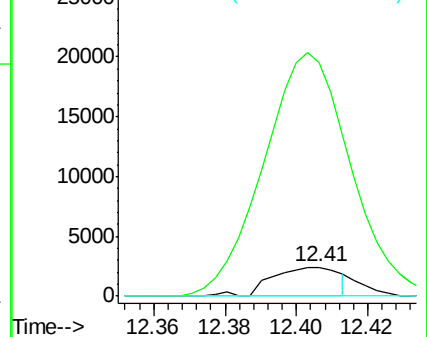
254 0.0 0.2 0.2#

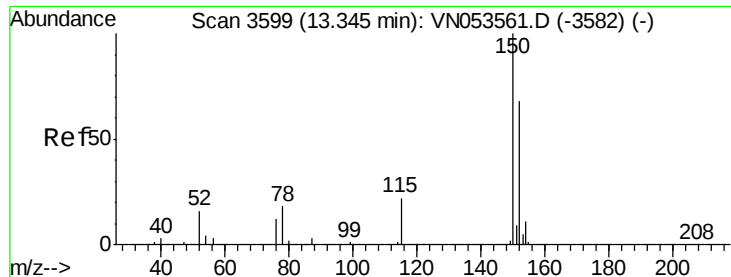


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

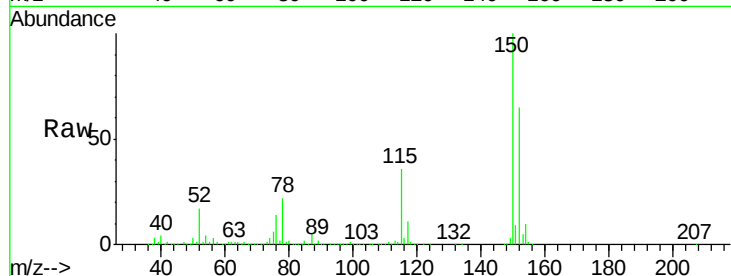
Tot Ion:152 Resp: 496636

Ion Ratio Lower Upper

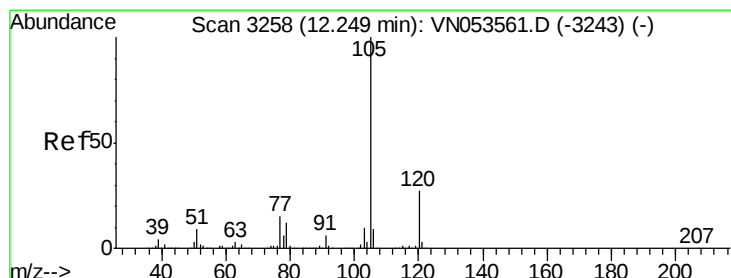
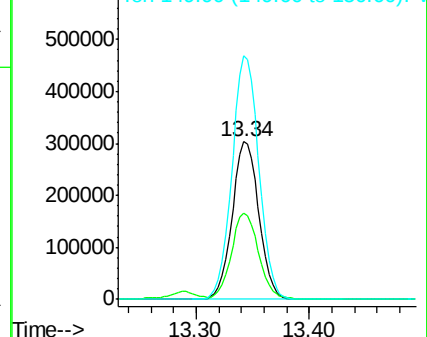
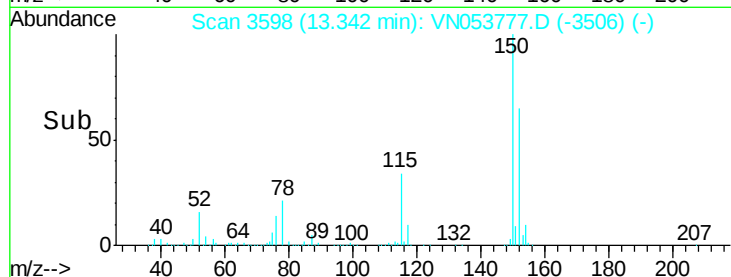
152 100

115 55.8 27.8 83.4

150 155.5 0.0 349.0



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



#73

Isopropylbenzene

Concen: 0.508 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053777.D

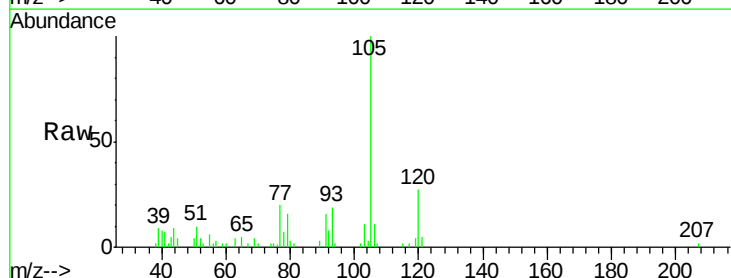
Acq: 14 Feb 2019 14:15

Tgt Ion:105 Resp: 17729

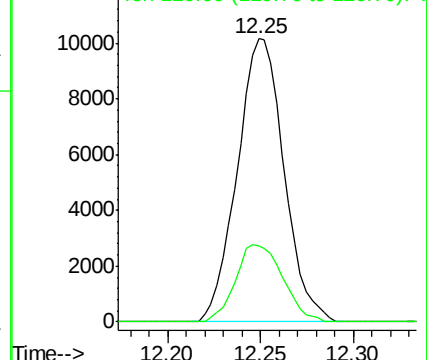
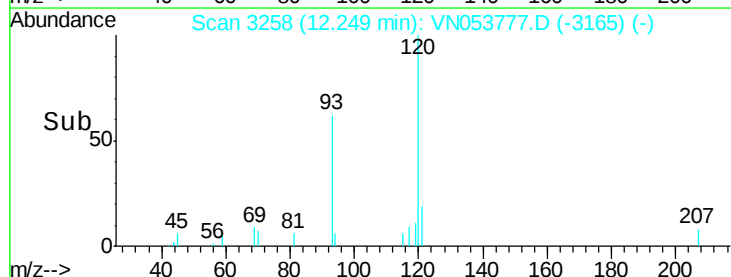
Ion Ratio Lower Upper

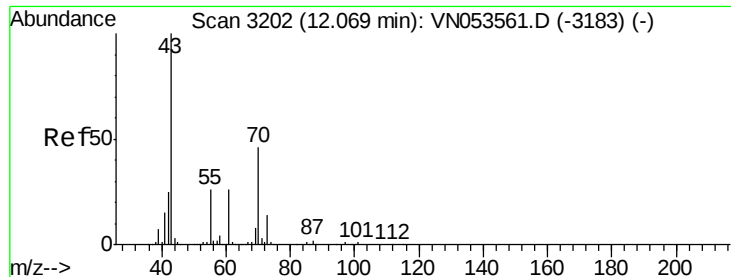
105 100

120 27.6 13.6 40.7



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





#74

N-amvl acetate

Concen: 1.567 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 13156

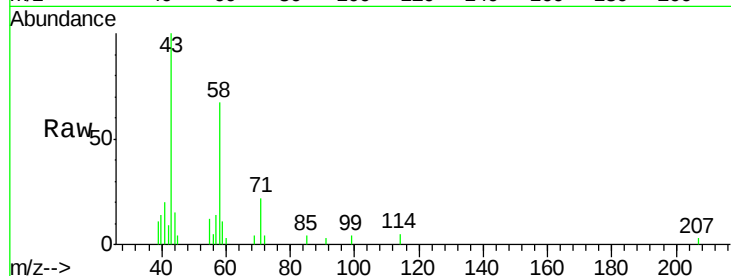
Ion Ratio Lower Upper

43 100

70 1.9 35.4 53.2#

55 6.2 20.9 31.3#

61 0.0 20.5 30.7#

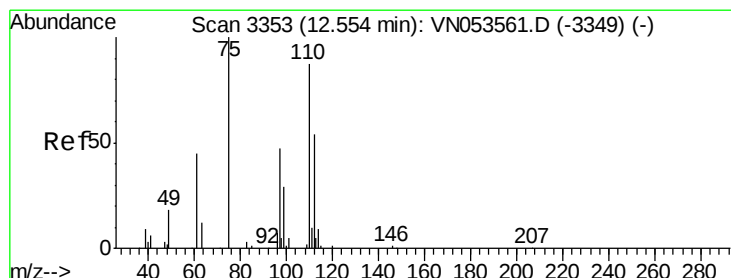
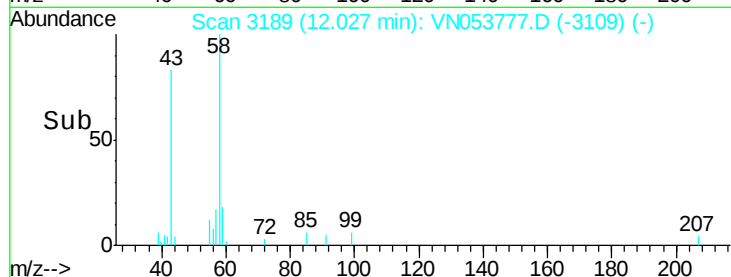
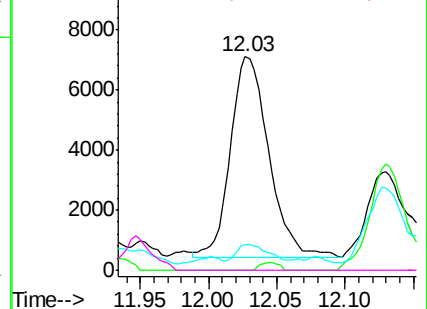


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 35.982 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053777.D

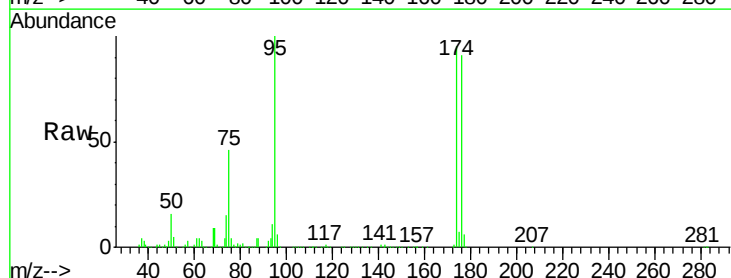
Acq: 14 Feb 2019 14:15

Tgt Ion: 75 Resp: 229529

Ion Ratio Lower Upper

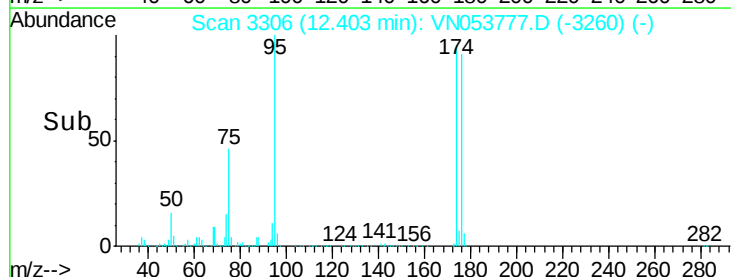
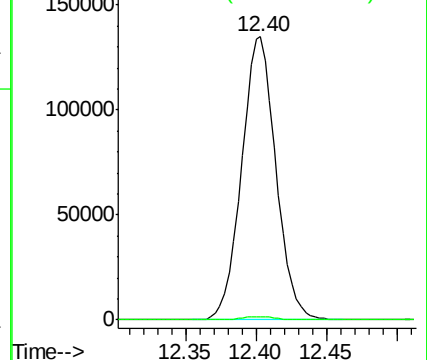
75 100

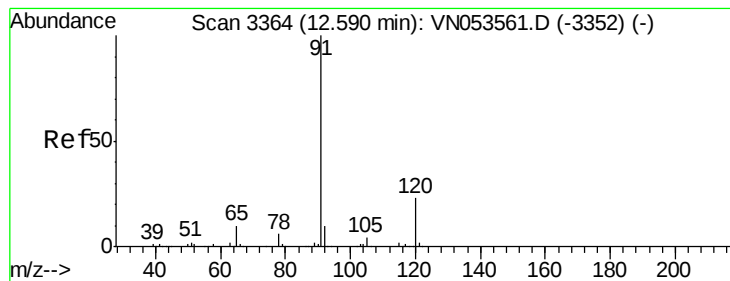
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 1.054 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

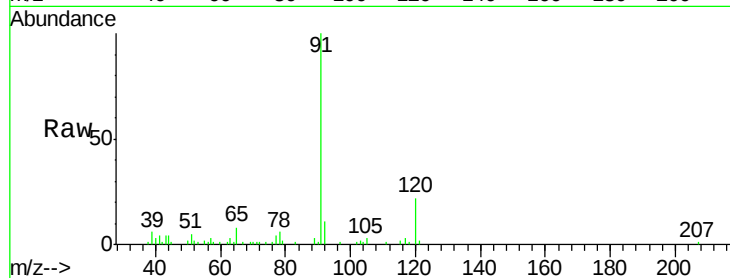
ClientSampleId :

Tot Ion: 91 Resp: 42553

Ion Ratio Lower Upper

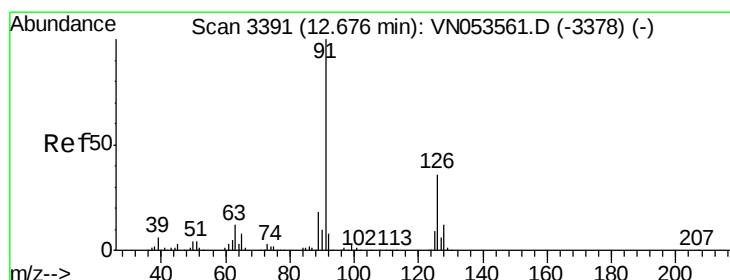
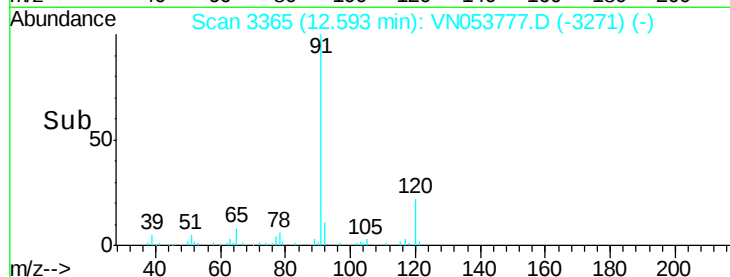
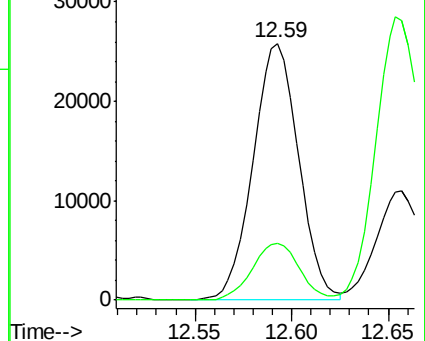
91 100

120 22.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.722 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053777.D

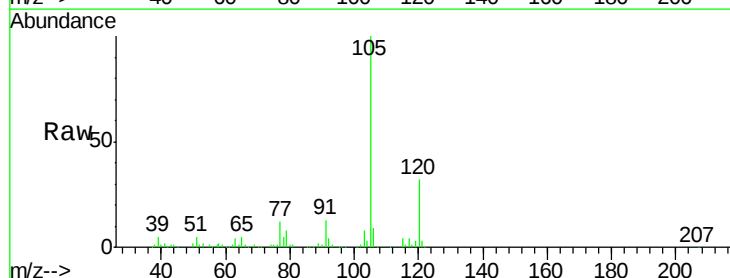
Acq: 14 Feb 2019 14:15

Tgt Ion: 91 Resp: 17286

Ion Ratio Lower Upper

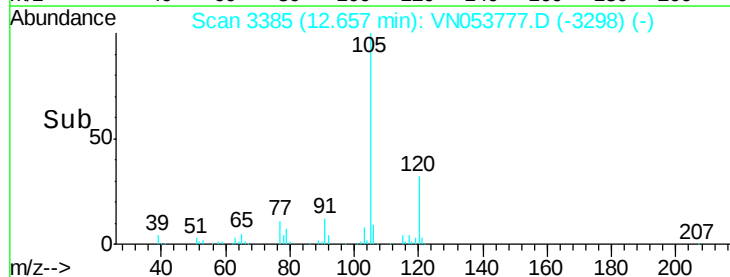
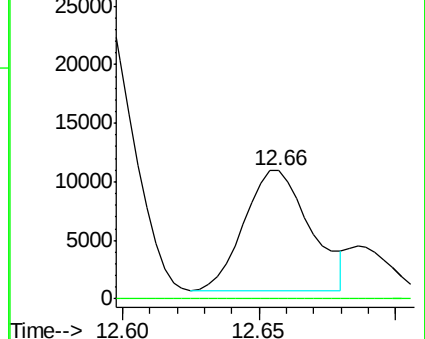
91 100

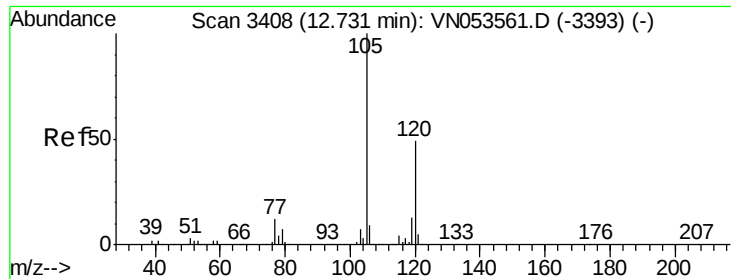
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 2.362 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

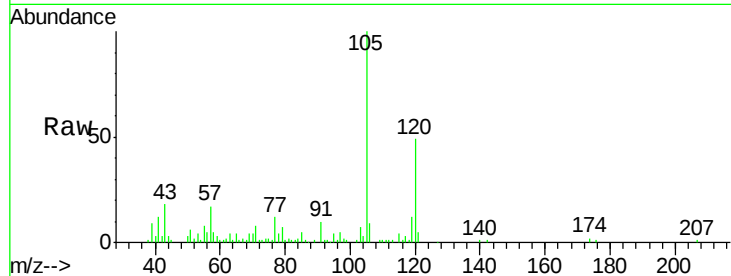
ClientSampled :

Tot Ion:105 Resp: 68394

Ion Ratio Lower Upper

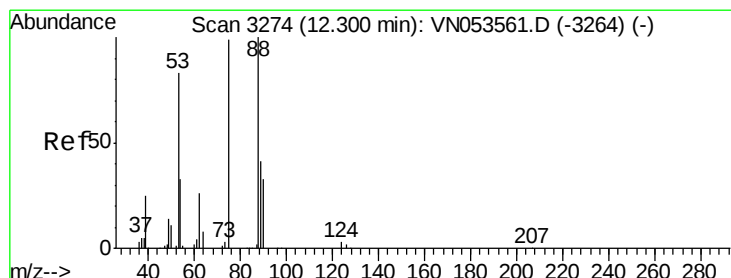
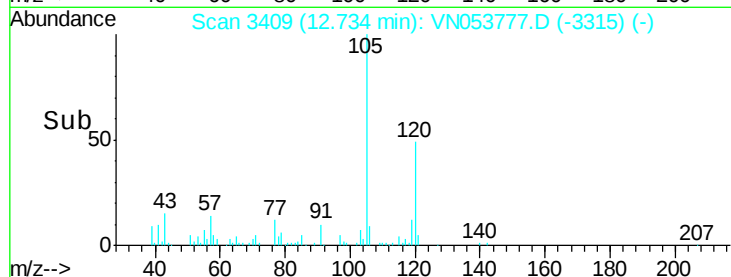
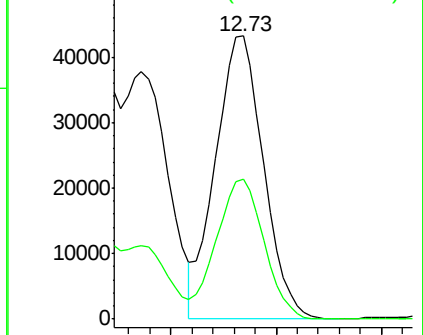
105 100

120 48.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 101.179 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

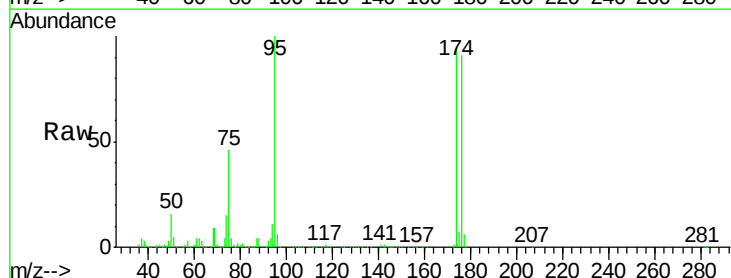
Tgt Ion: 75 Resp: 229529

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

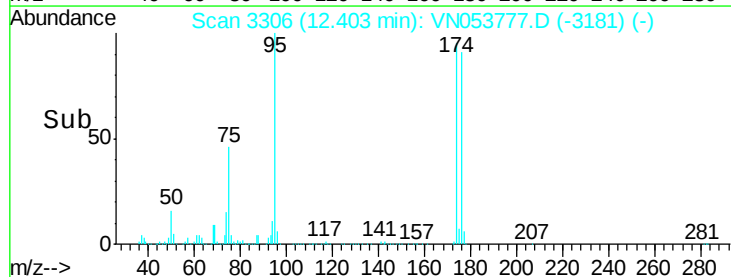
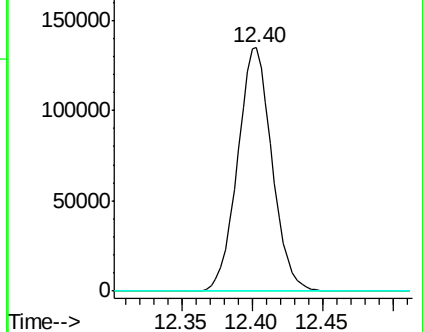
89 0.0 35.6 53.4#

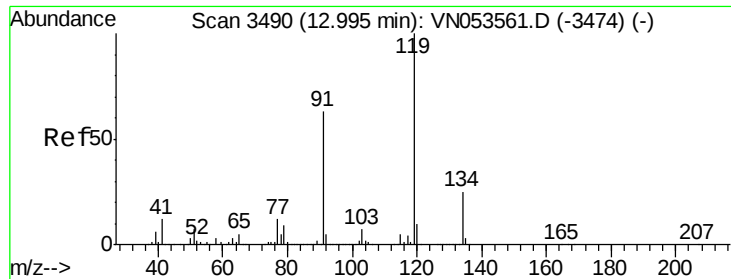


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

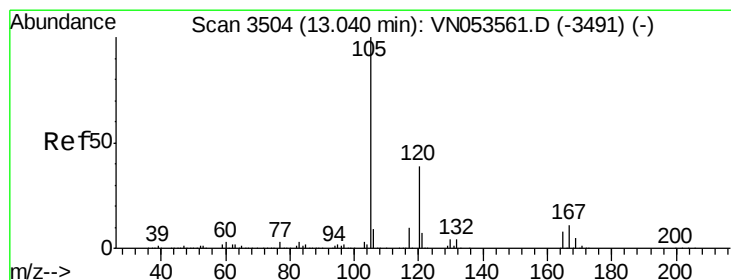
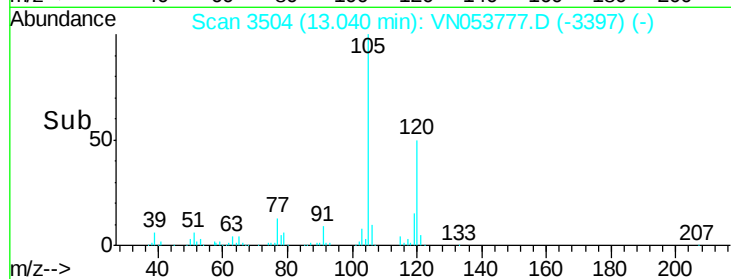
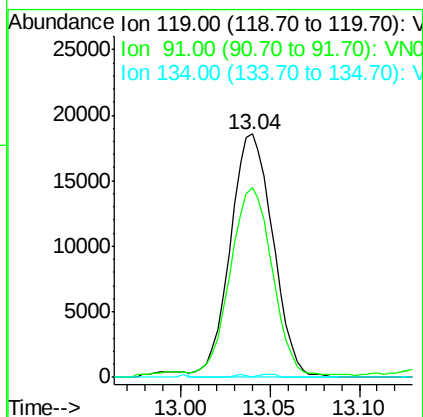
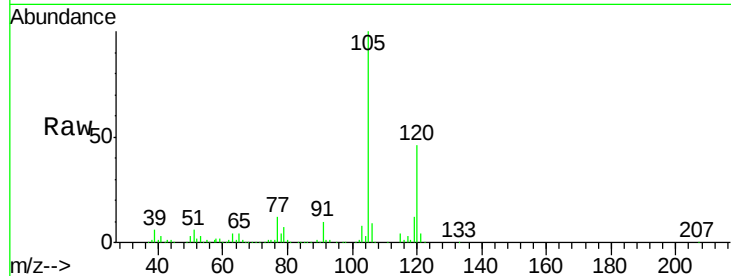




#83
 tert-Butylbenzene
 Concen: 1.208 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

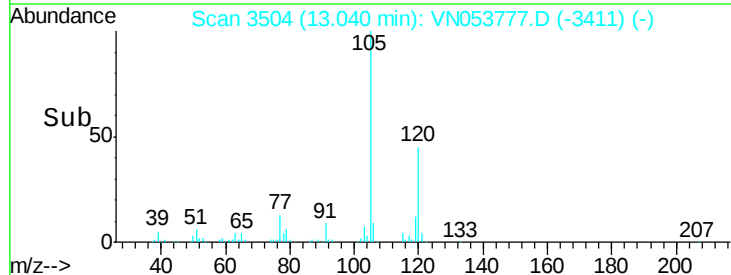
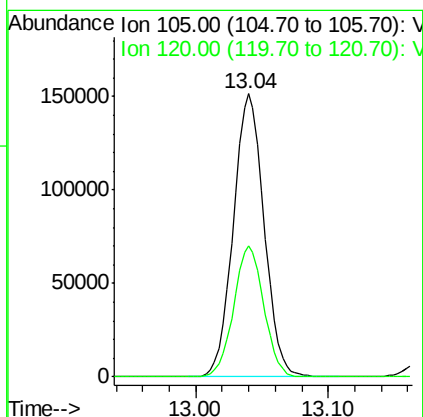
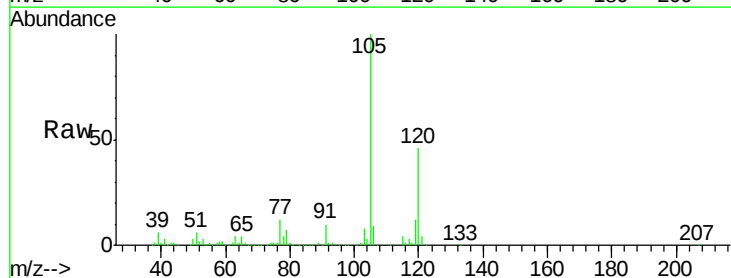
Instrument :
 MSVOA_N
 ClientSampled :

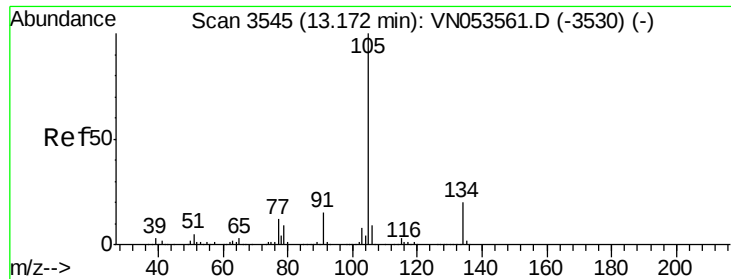
Tot Ion:119 Resp: 30916
 Ion Ratio Lower Upper
 119 100
 91 75.1 31.3 93.8
 134 0.0 12.9 38.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 8.247 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

Tgt Ion:105 Resp: 243240
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 0.423 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

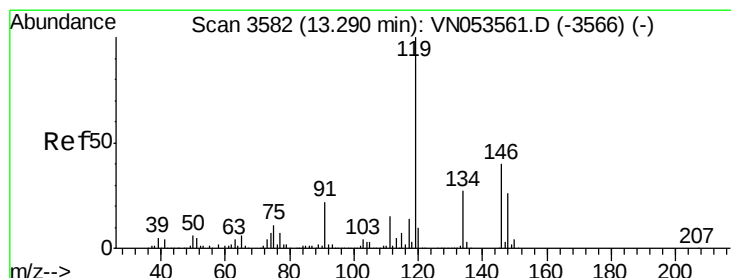
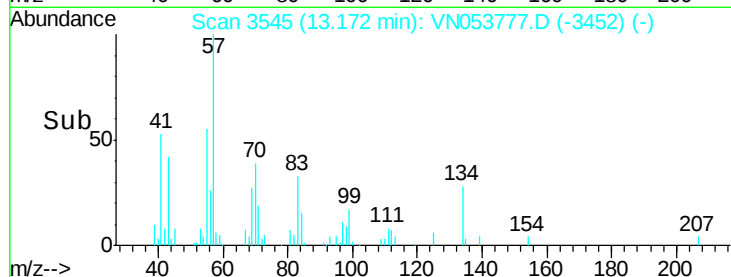
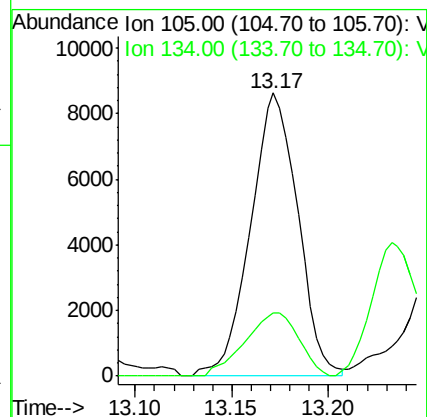
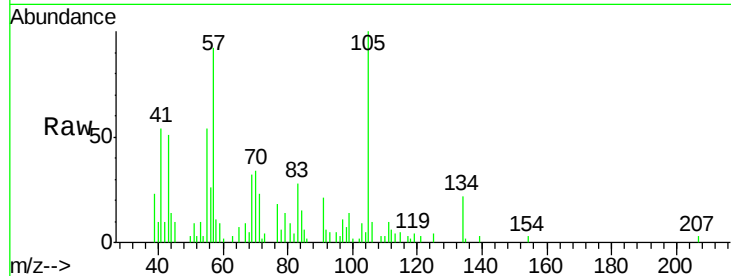
ClientSampled :

Tot Ion:105 Resp: 14736

Ion Ratio Lower Upper

105 100

134 25.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 10.518 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

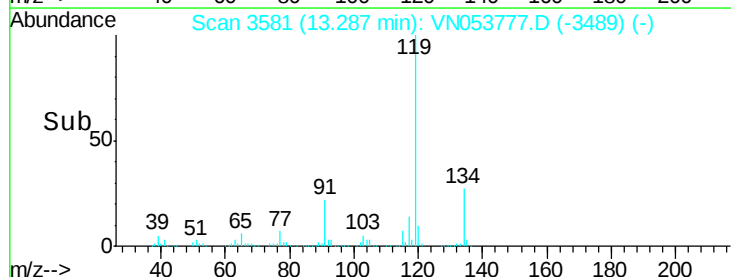
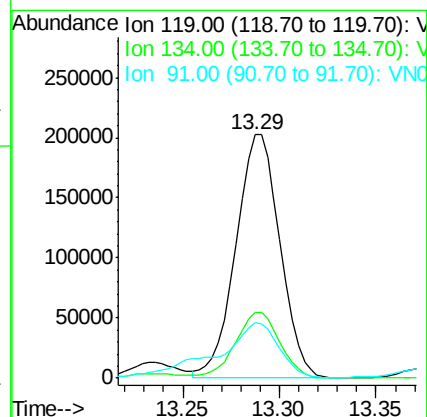
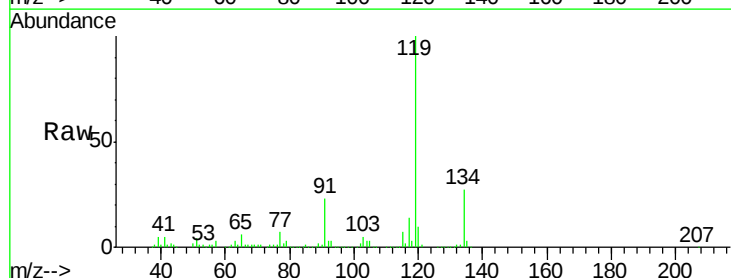
Tgt Ion:119 Resp: 320302

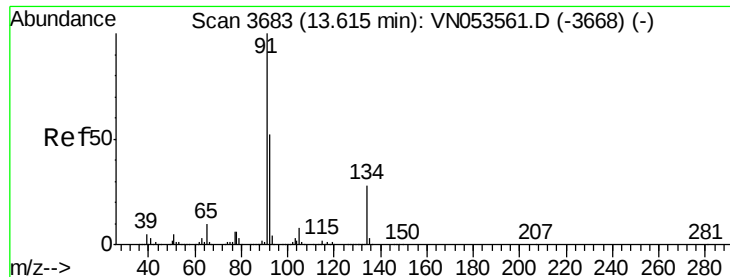
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 31.9 11.0 33.0





#89

n-Butylbenzene

Concen: 0.312 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053777.D

Acq: 14 Feb 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

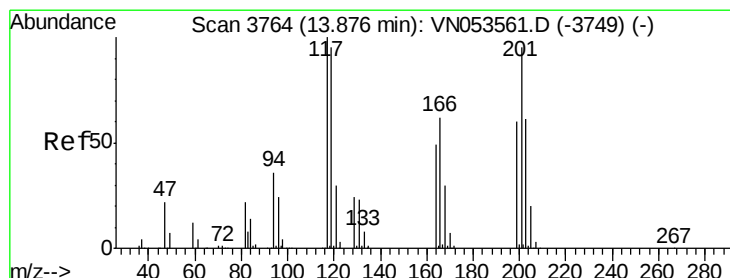
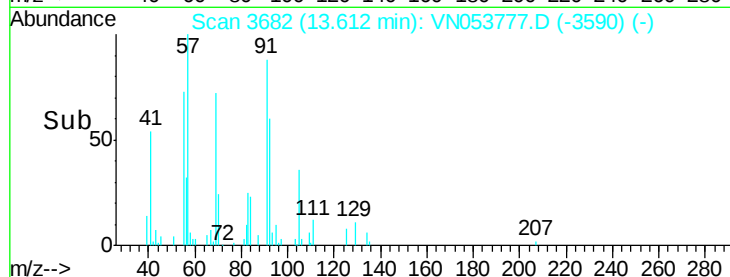
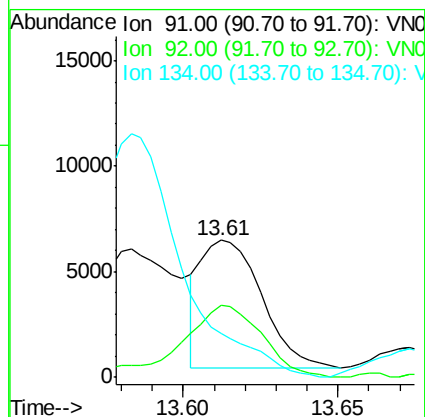
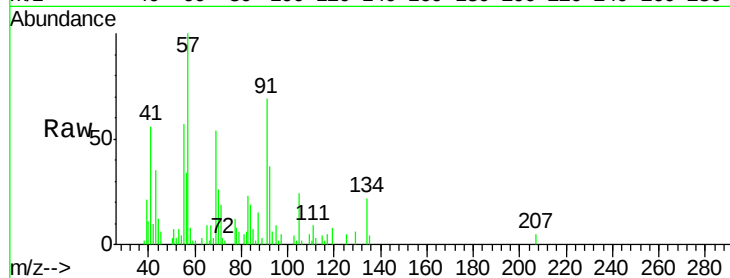
Tot Ion: 91 Resp: 8232

Ion Ratio Lower Upper

91 100

92 74.5 26.3 78.8

134 0.0 13.5 40.5#



#90

Hexachloroethane

Concen: 1.058 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053777.D

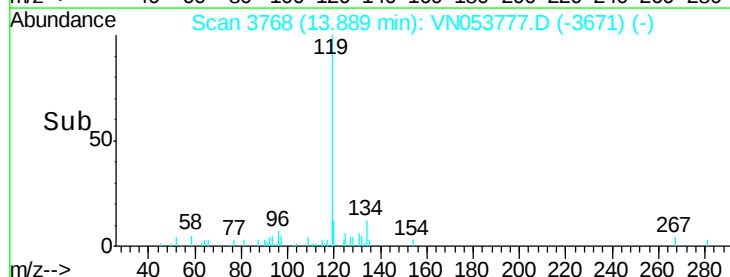
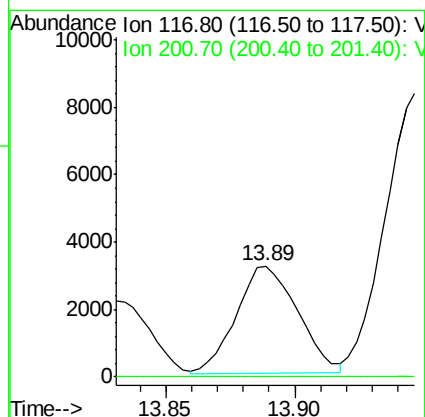
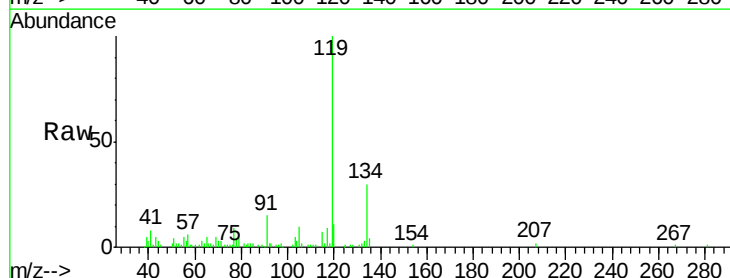
Acq: 14 Feb 2019 14:15

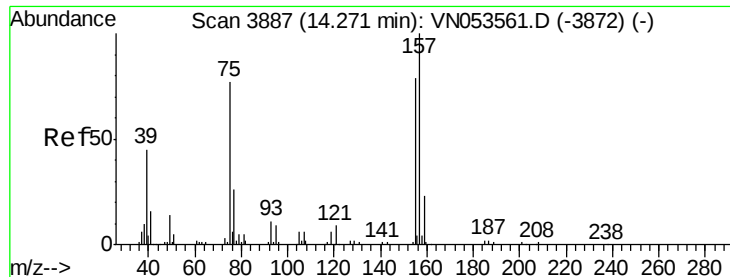
Tgt Ion: 117 Resp: 5313

Ion Ratio Lower Upper

117 100

201 0.0 46.8 140.4#

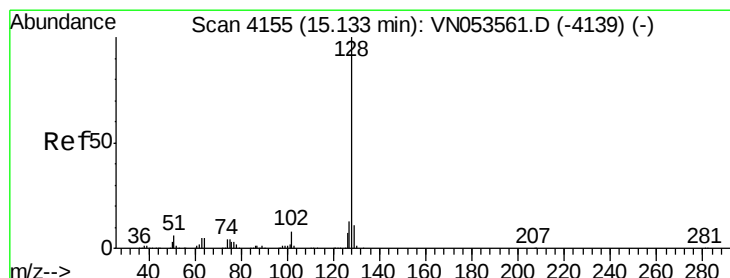
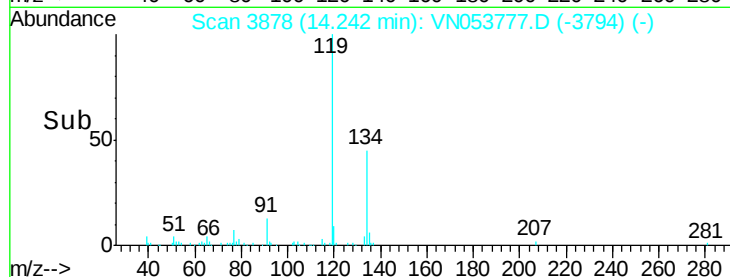
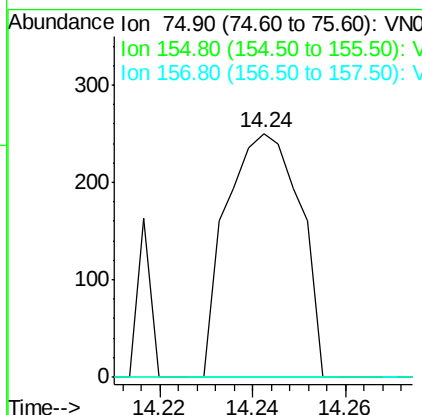
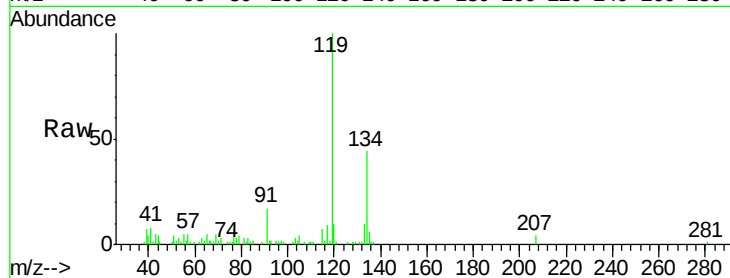




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.233 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.03 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 277
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.9 146.7#
 157 0.0 63.7 191.3#



#95
 Naphthalene
 Concen: 3.441 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053777.D
 Acq: 14 Feb 2019 14:15

Tgt Ion: 128 Resp: 38533
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.3 15.5
 129 13.2 8.6 13.0#

