

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060826.D
 Acq On : 2 Apr 2020 16:31
 Operator : JC/MD
 Sample : L2126-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 07:43:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	123663	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	7.56	113	95942	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	10.08	98	396868	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	145975	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	

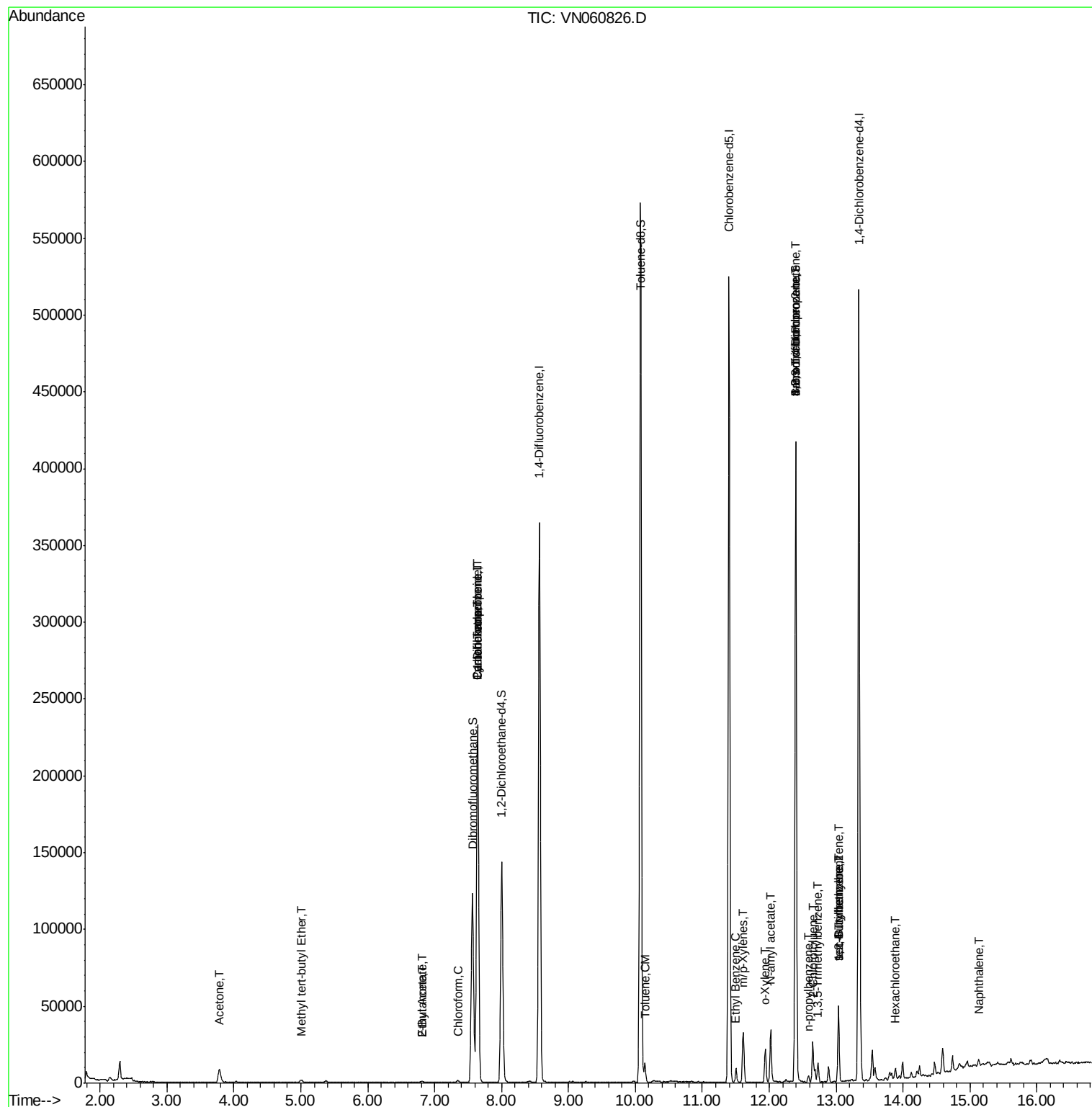
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	15403	16.485	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	1849	0.259	ug/l	92
25) 2-Butanone	6.81	43	1916	1.267	ug/l #	50
30) Chloroform	7.34	83	1517	0.376	ug/l	93
31) Cyclohexane	7.64	56	4067	0.957	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14971	4.798	ug/l #	49
37) Ethyl Acetate	6.81	43	1916	0.568	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18905	6.760	ug/l #	16
52) Toluene	10.14	92	5225	0.918	ug/l	92
67) Ethyl Benzene	11.50	91	7361	0.666	ug/l	96
68) m/p-Xylenes	11.61	106	10659	2.595	ug/l	98
69) o-Xylene	11.94	106	5893	1.503	ug/l	98
71) Bromoform	12.39	173	242	1.811	ug/l #	1
74) N-amyl acetate	12.02	43	23635	5.055	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	74584	25.635	ug/l #	100
78) n-propylbenzene	12.59	91	4172	0.349	ug/l	99
79) 2-Chlorotoluene	12.65	91	2097	0.294	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	7170	0.835	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	74584	65.838	ug/l #	13
83) tert-Butylbenzene	13.03	119	3370	0.473	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	28163	3.315	ug/l	100
85) sec-Butylbenzene	13.04	105	28163	2.942	ug/l #	58
90) Hexachloroethane	13.89	117	341	0.273	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.00	75	29	Below Cal	#	3
95) Naphthalene	15.13	128	3849	0.507	ug/l	97

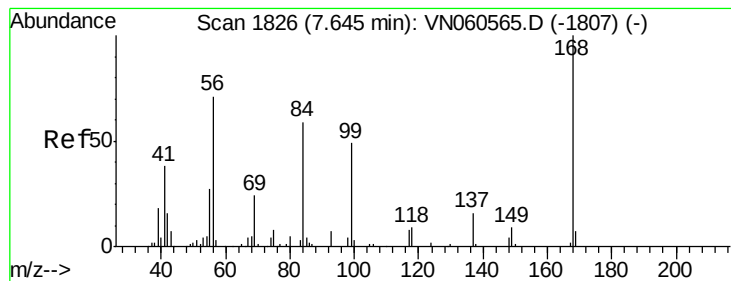
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040220\
Data File : VN060826.D
Acq On : 2 Apr 2020 16:31
Operator : JC/MD
Sample : L2126-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 03 07:43:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060826.D

Acq: 2 Apr 2020 16:31

Instrument :

MSVOA_N

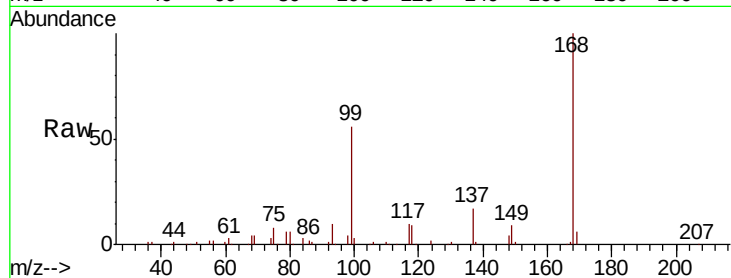
ClientSampled :

Tot Ion:168 Resp: 192151

Ion Ratio Lower Upper

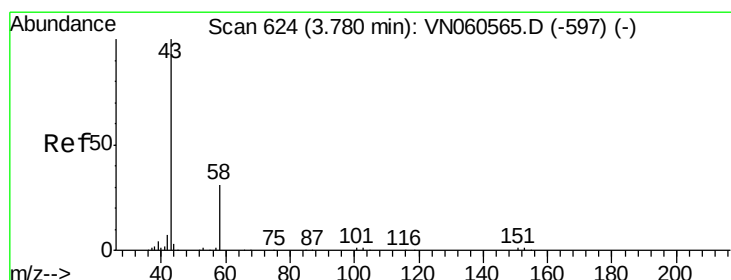
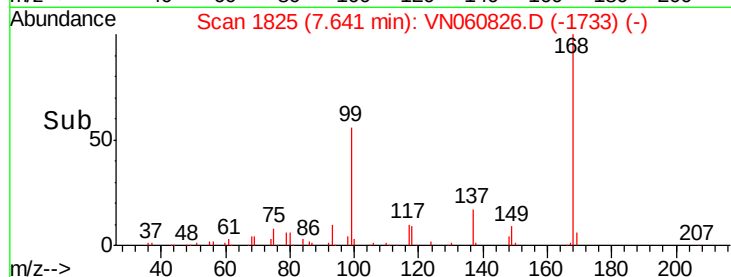
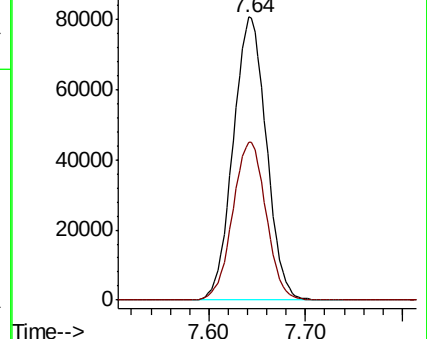
168 100

99 55.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 16.485 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060826.D

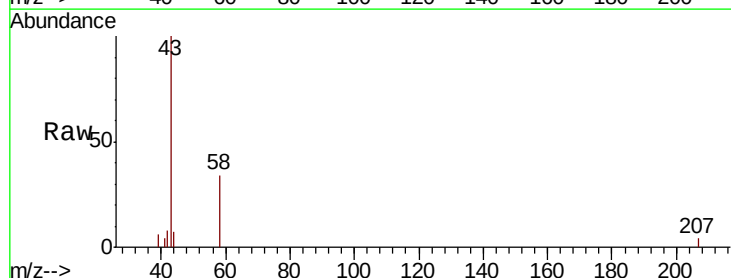
Acq: 2 Apr 2020 16:31

Tgt Ion: 43 Resp: 15403

Ion Ratio Lower Upper

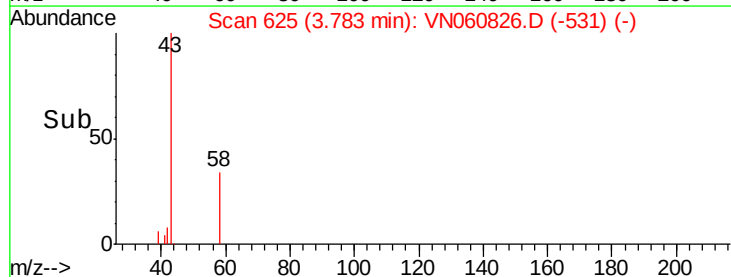
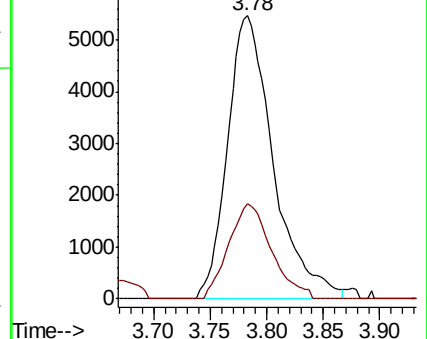
43 100

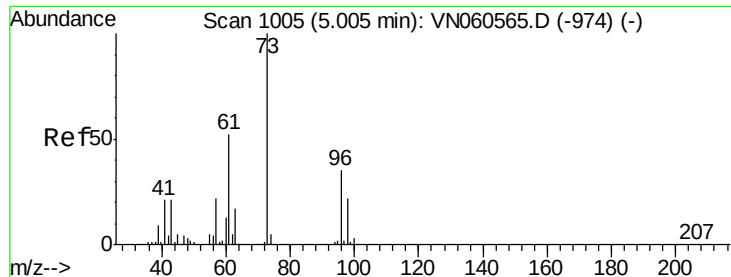
58 33.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

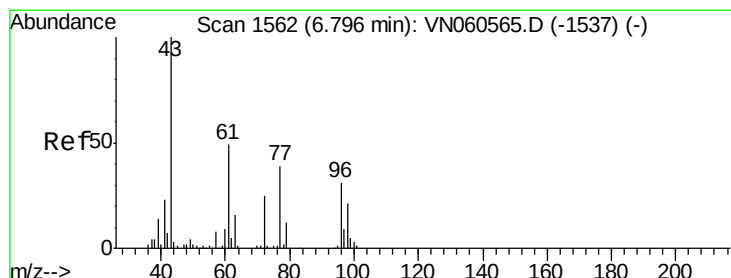
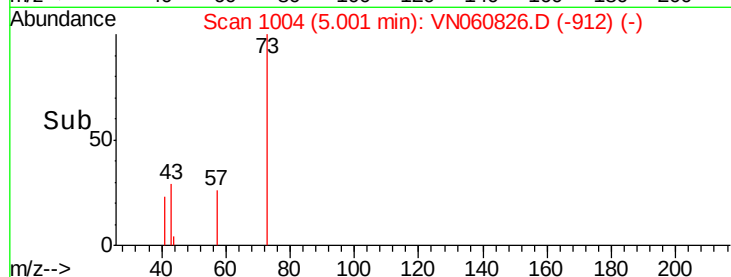
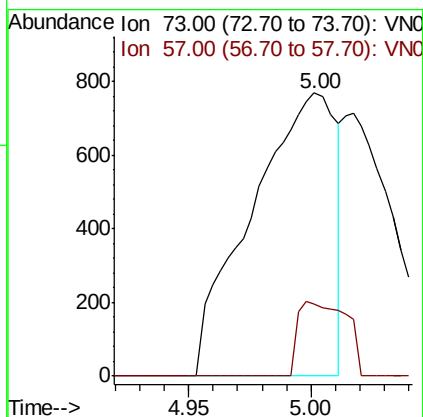
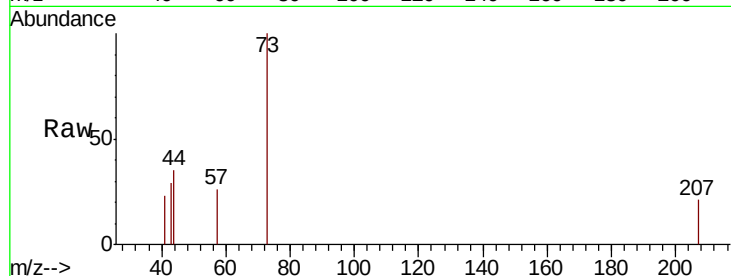




#19
Methyl tert-butyl Ether
Concen: 0.259 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

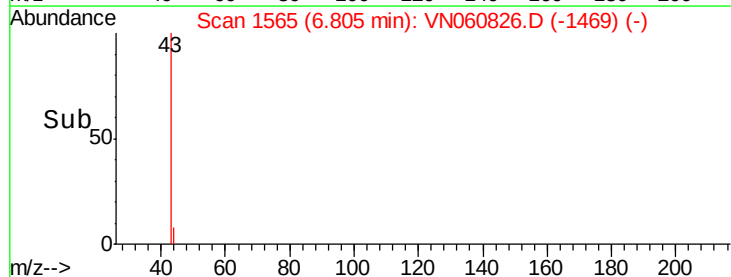
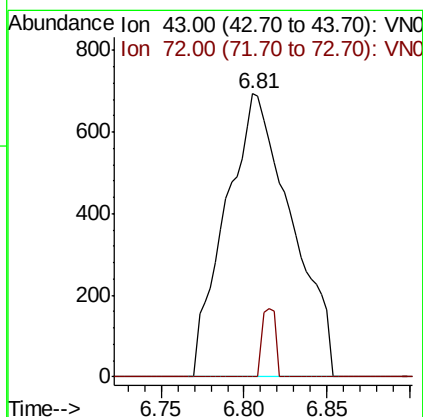
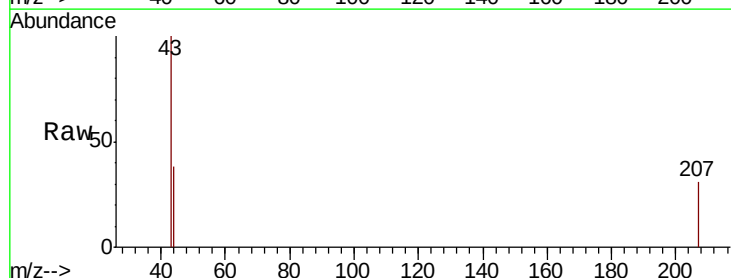
Instrument :
MSVOA_N
ClientSampled :

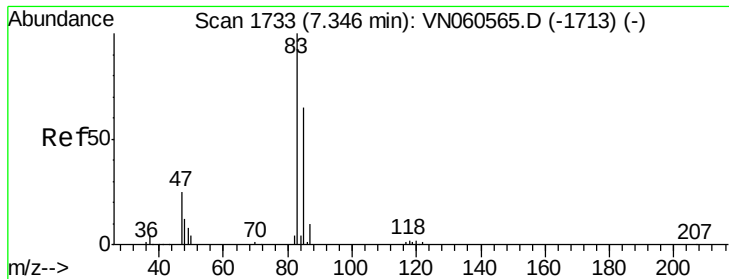
Tot Ion: 73 Resp: 1849
Ion Ratio Lower Upper
73 100
57 25.6 17.5 26.3



#25
2-Butanone
Concen: 1.267 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

Tgt Ion: 43 Resp: 1916
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#

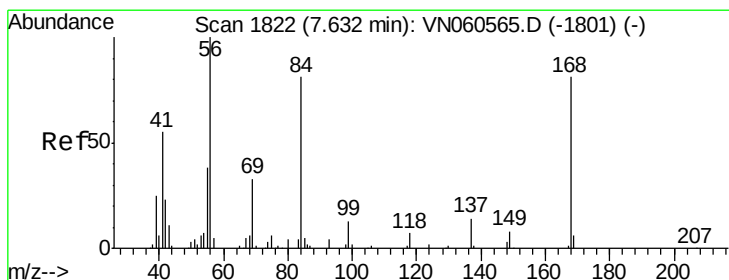
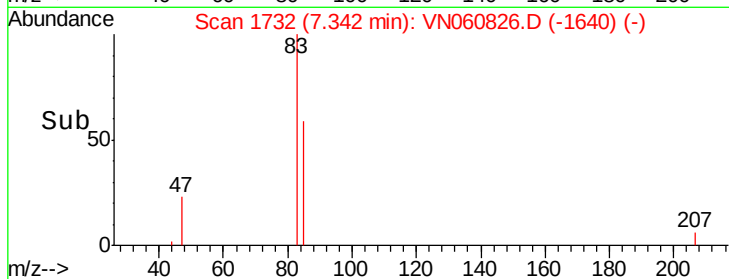
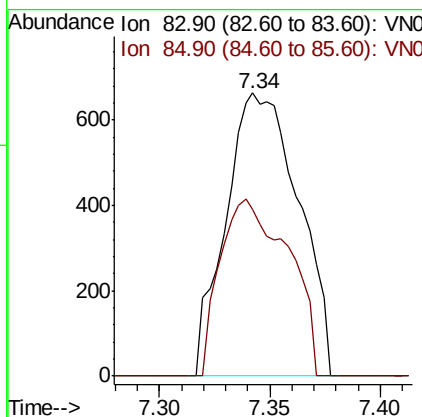
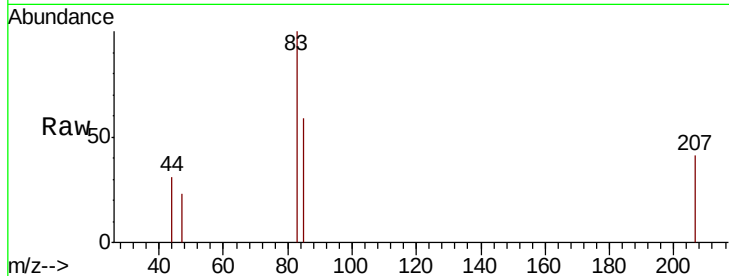




#30
Chloroform
Concen: 0.376 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

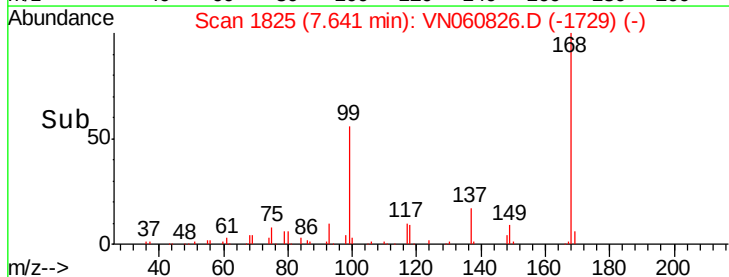
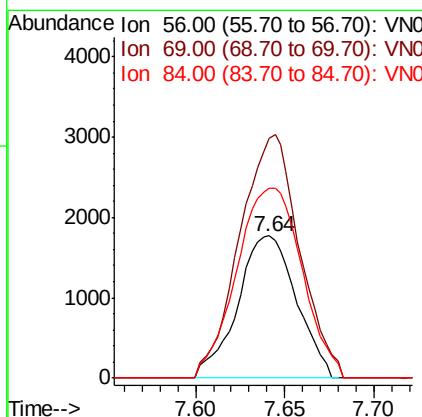
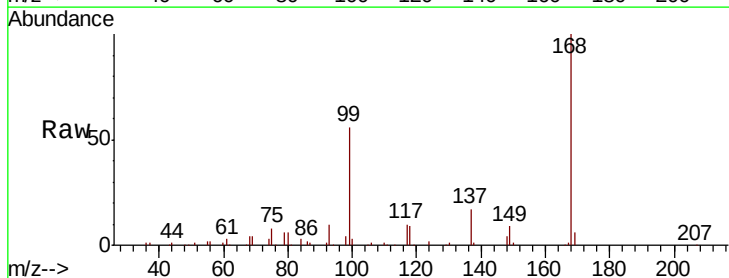
Instrument :
MSVOA_N
ClientSampleId :

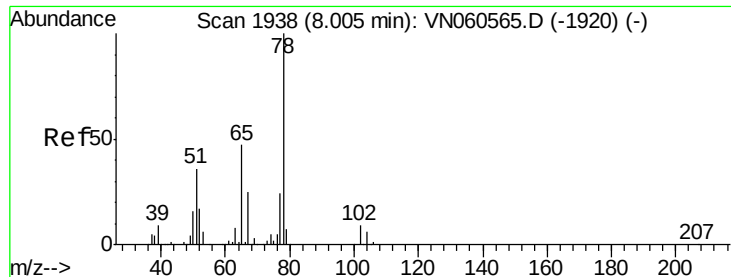
Tot Ion: 83 Resp: 1517
Ion Ratio Lower Upper
83 100
85 59.1 51.8 77.8



#31
Cyclohexane
Concen: 0.957 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

Tgt Ion: 56 Resp: 4067
Ion Ratio Lower Upper
56 100
69 168.7 26.6 40.0#
84 133.8 64.3 96.5#

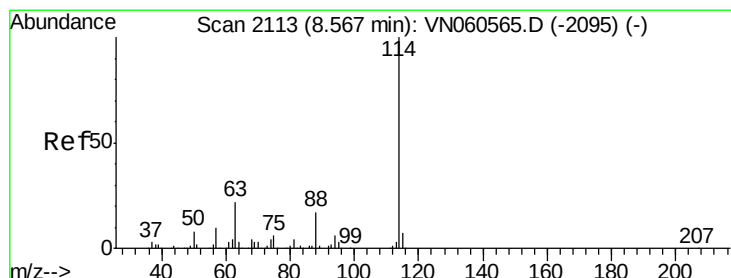
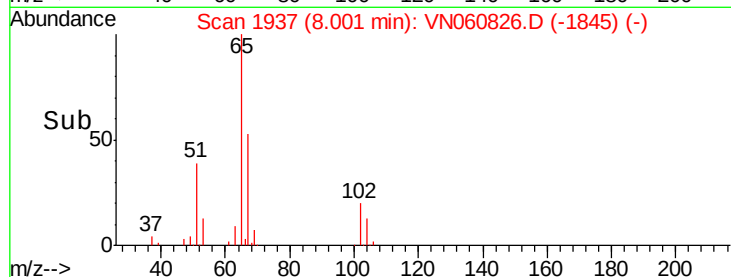
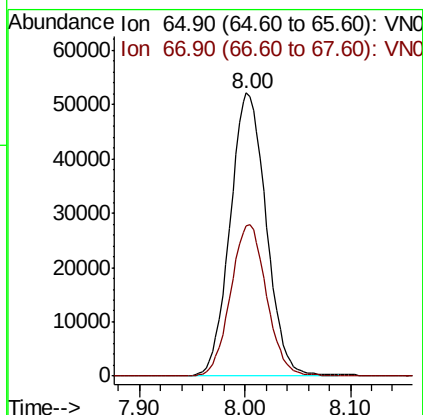
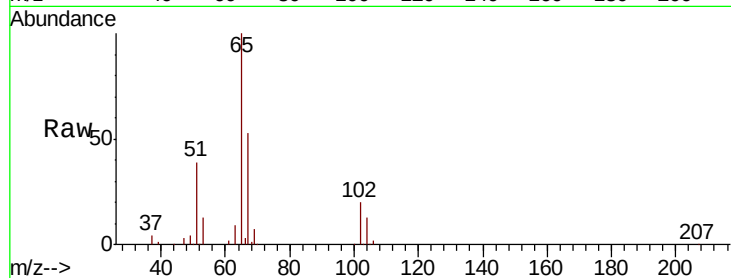




#33
 1,2-Dichloroethane-d4
 Concen: 46.881 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060826.D
 Acq: 2 Apr 2020 16:31

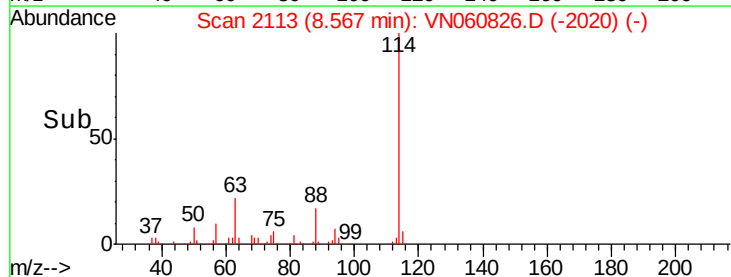
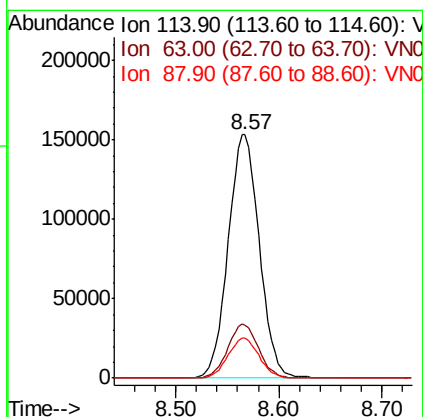
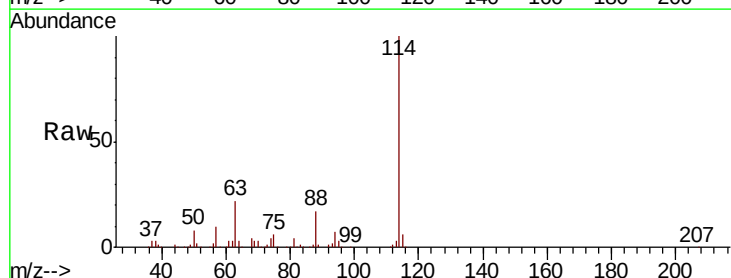
Instrument :
 MSVOA_N
 ClientSampled :

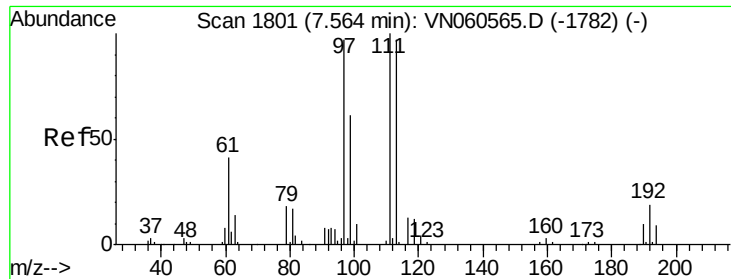
Tot Ion: 65 Resp: 123663
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060826.D
 Acq: 2 Apr 2020 16:31

Tgt Ion: 114 Resp: 322262
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.6 0.0 33.0

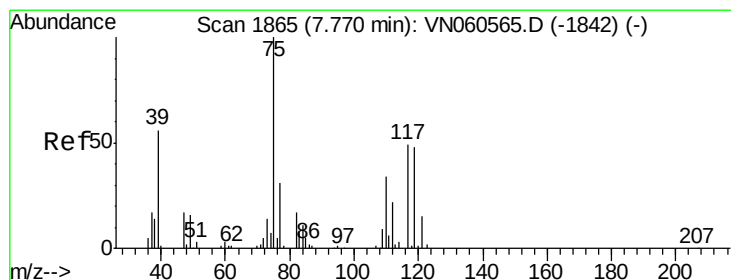
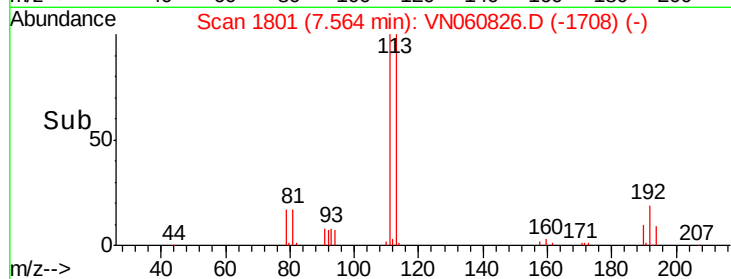
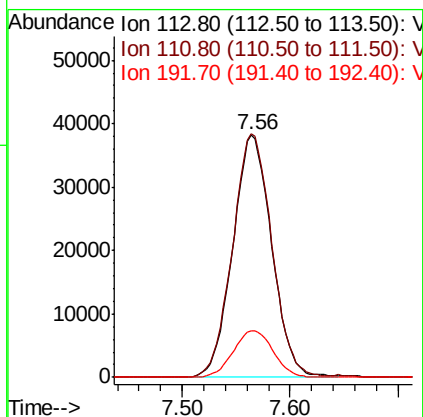
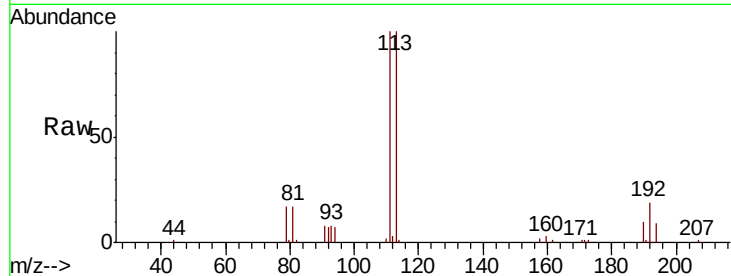




#35
 Dibromofluoromethane
 Concen: 49.236 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060826.D
 Acq: 2 Apr 2020 16:31

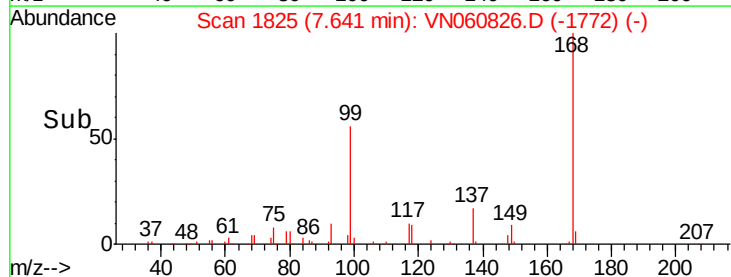
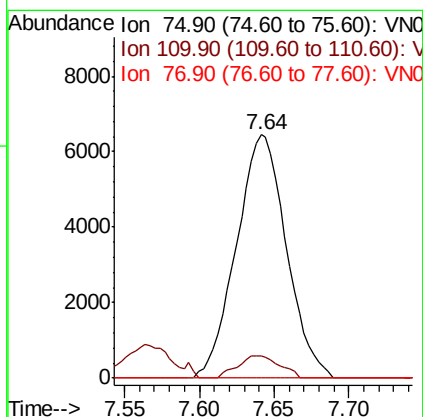
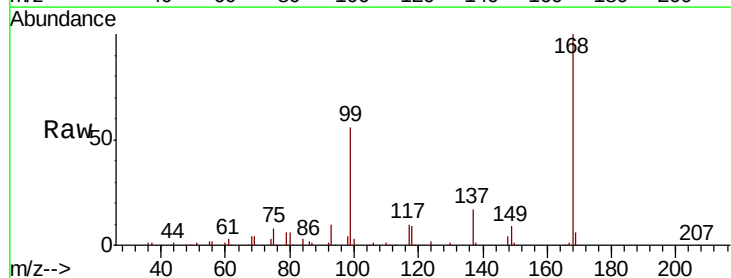
Instrument :
 MSVOA_N
 ClientSampled :

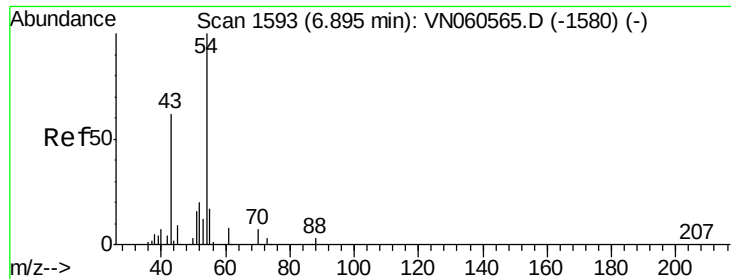
Tot Ion:113 Resp: 95942
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.9 124.3
 192 19.8 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.798 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060826.D
 Acq: 2 Apr 2020 16:31

Tgt Ion: 75 Resp: 14971
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.9 50.6#
 77 0.0 24.6 36.8#

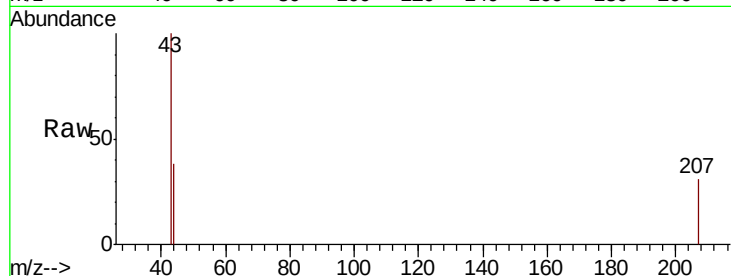




#37
Ethyl Acetate
Concen: 0.568 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

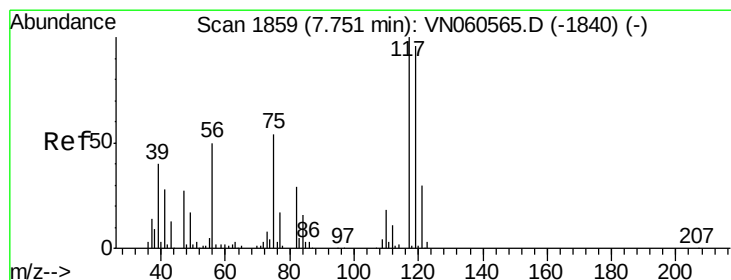
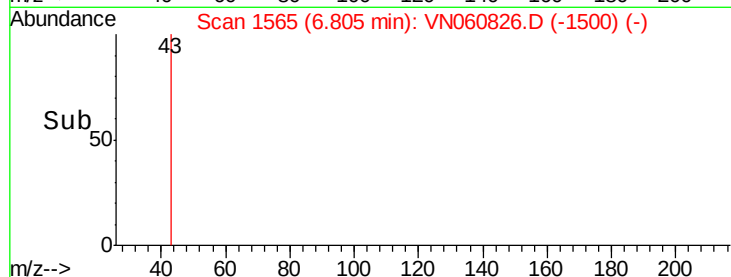
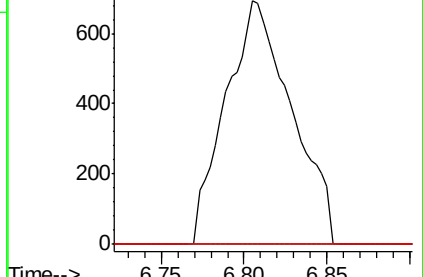
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1916
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



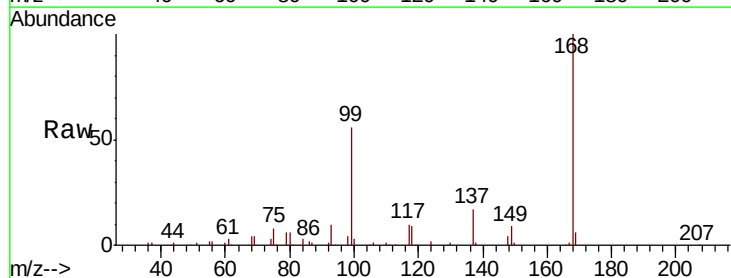
Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

6.81



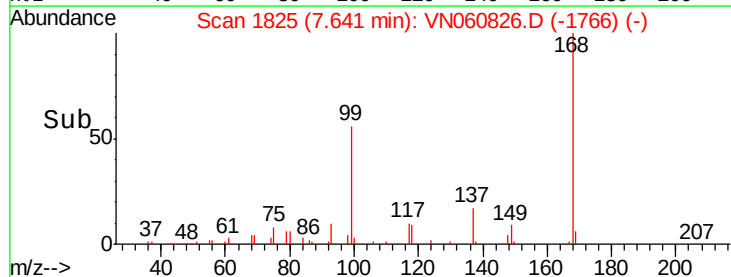
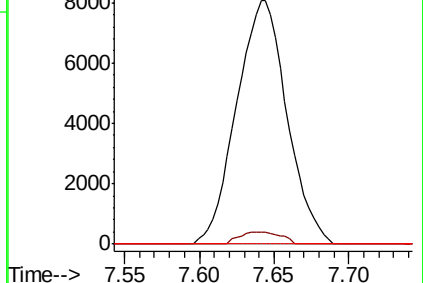
#38
Carbon Tetrachloride
Concen: 6.760 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

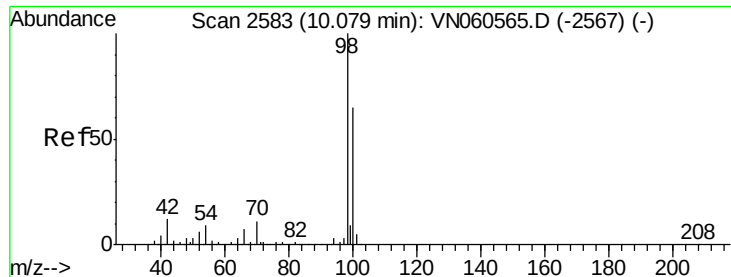
Tgt Ion: 117 Resp: 18905
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 23.7 35.5#



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

7.64

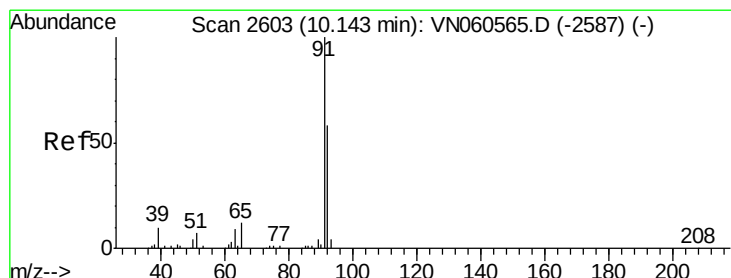
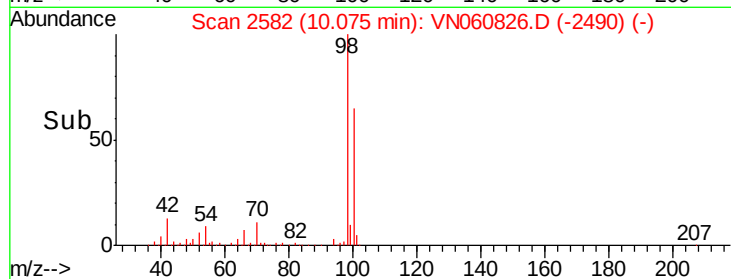
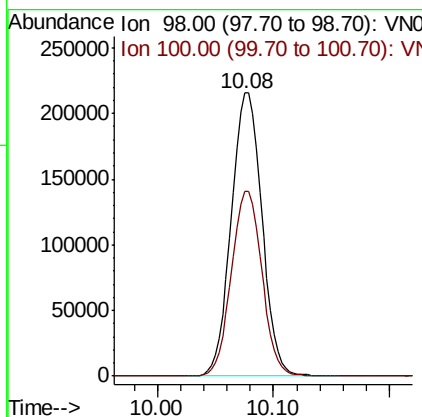
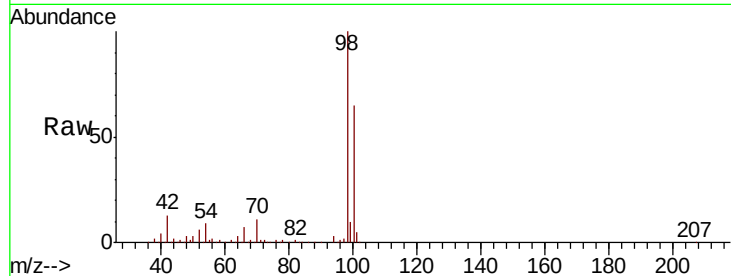




#50
Toluene-d8
Concen: 49.862 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

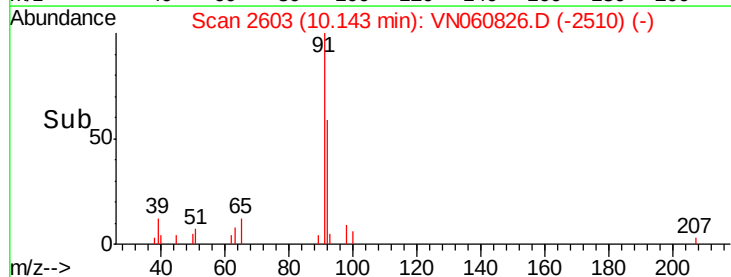
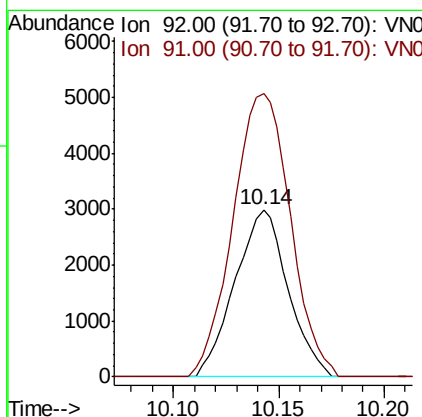
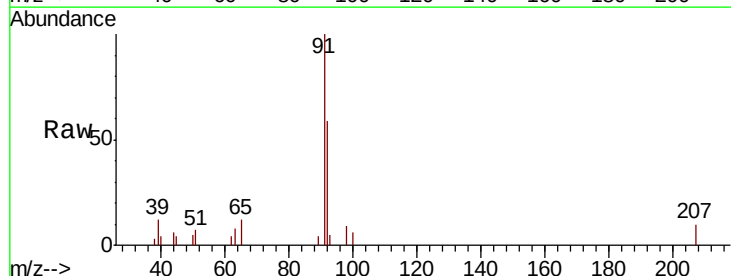
Instrument :
MSVOA_N
ClientSampleId :

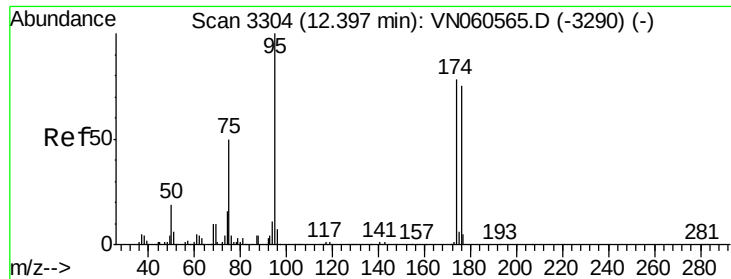
Tot Ion: 98 Resp: 396868
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



#52
Toluene
Concen: 0.918 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

Tgt Ion: 92 Resp: 5225
Ion Ratio Lower Upper
92 100
91 183.2 137.6 206.4

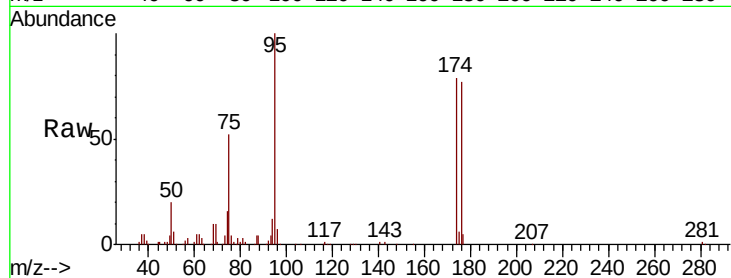




#62
4-Bromofluorobenzene
Concen: 50.043 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

Instrument :
MSVOA_N
ClientSampled :

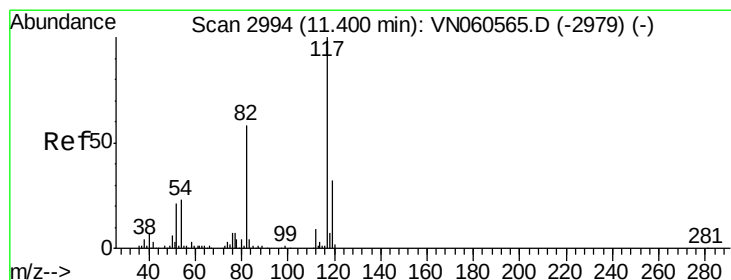
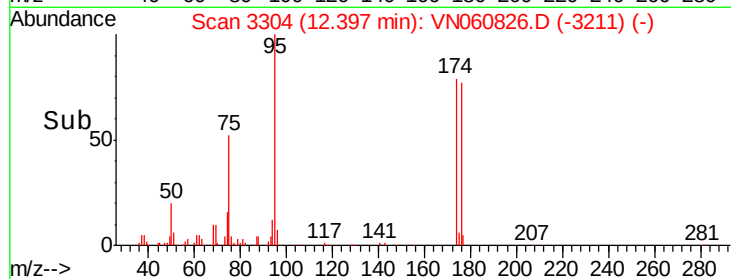
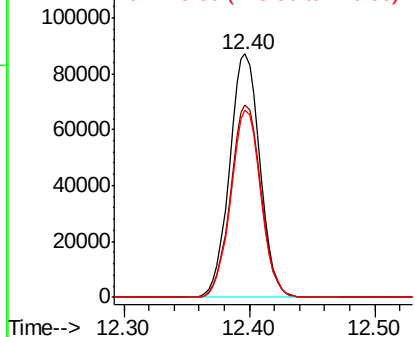
Tot Ion	95	Resp	145975
Ion Ratio	100	Lower	Upper
174	79.1	0.0	157.6
176	76.2	0.0	150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060826.D (-3290) (-)

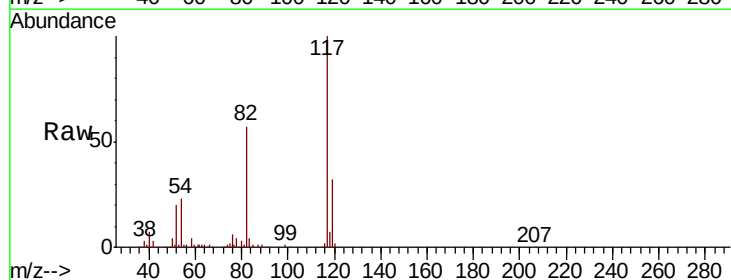
Ion 173.80 (173.50 to 174.50): VN060826.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060826.D (-3290) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

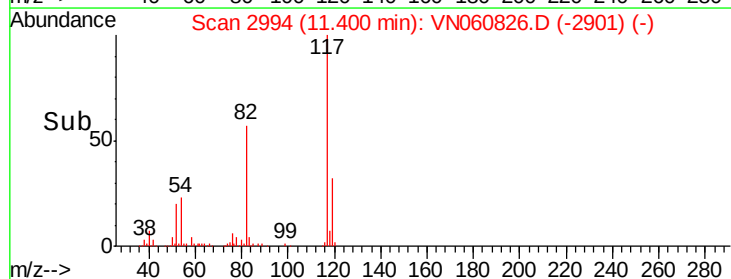
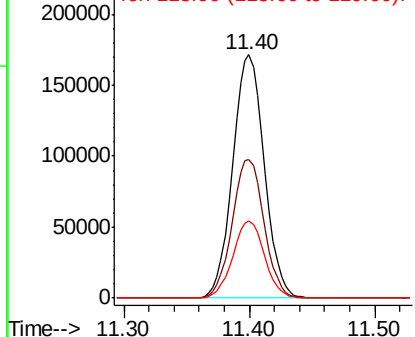
Tgt Ion	117	Resp	299809
Ion Ratio	100	Lower	Upper
82	57.2	46.7	70.1
119	31.7	25.5	38.3

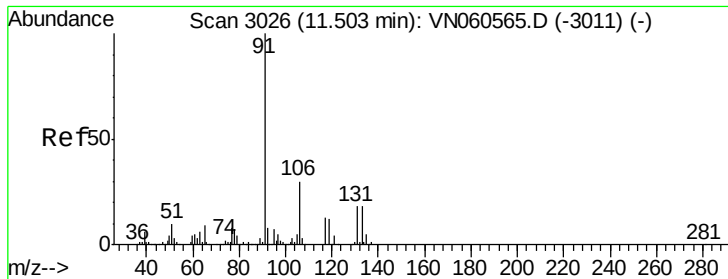


Abundance Ion 116.90 (116.60 to 117.60): VN060826.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060826.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060826.D (-2979) (-)





#67

Ethyl Benzene

Concen: 0.666 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060826.D

Acq: 2 Apr 2020 16:31

Instrument :

MSVOA_N

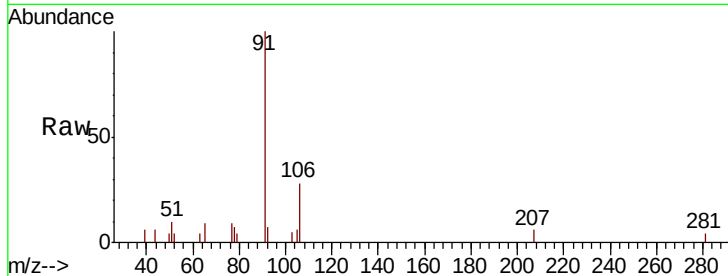
ClientSampled :

Tot Ion: 91 Resp: 7361

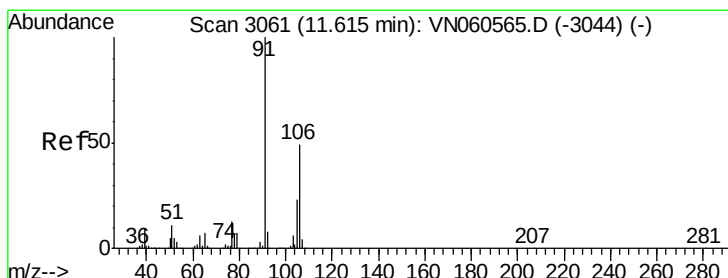
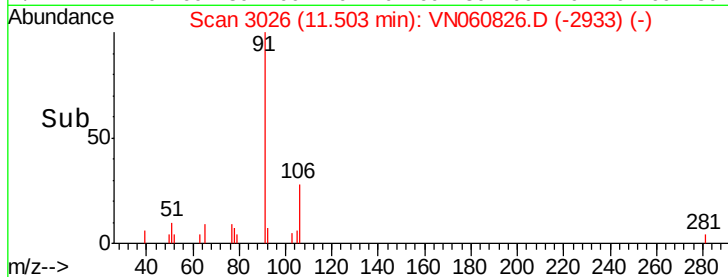
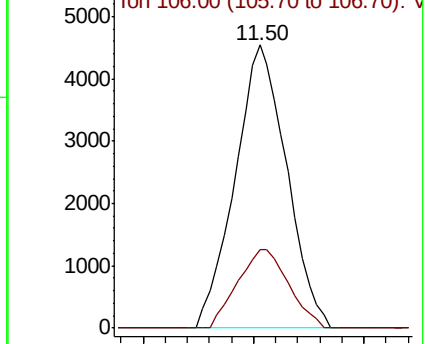
Ion Ratio Lower Upper

91 100

106 27.9 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060826.D (-2933) (-)



#68

m/p-Xylenes

Concen: 2.595 ug/l

RT: 11.61 min Scan# 3059

Delta R.T. -0.01 min

Lab File: VN060826.D

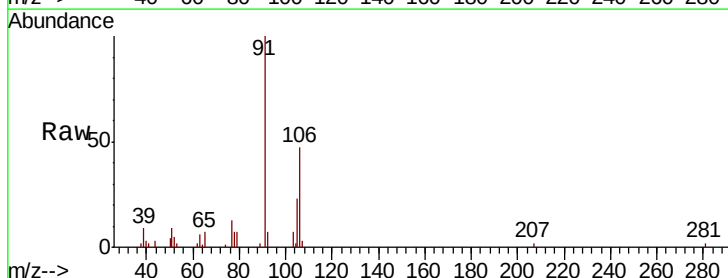
Acq: 2 Apr 2020 16:31

Tgt Ion: 106 Resp: 10659

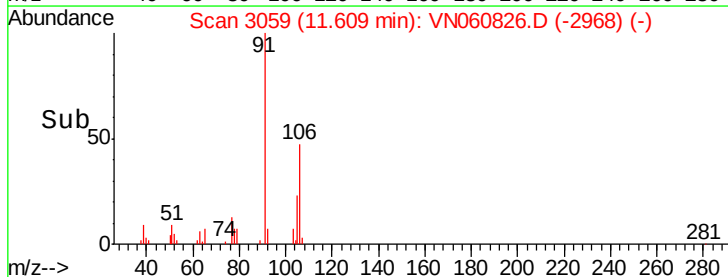
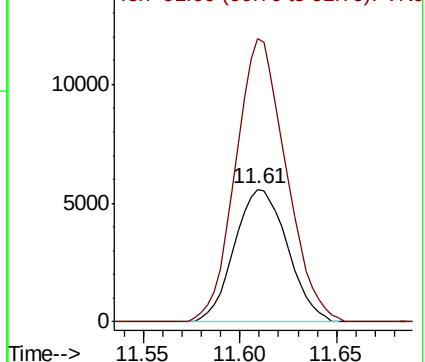
Ion Ratio Lower Upper

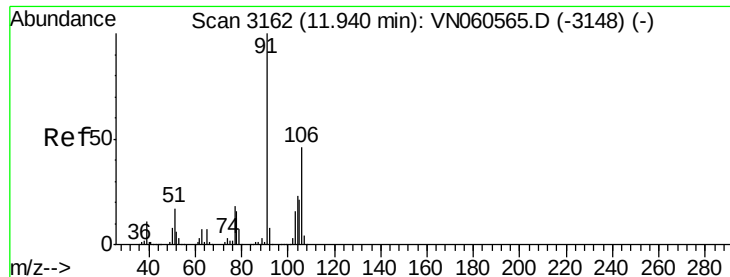
106 100

91 203.2 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060826.D (-2968) (-)

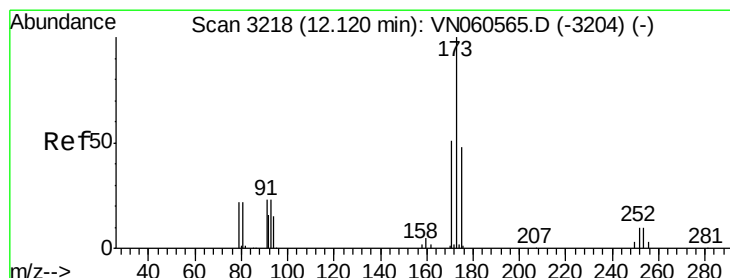
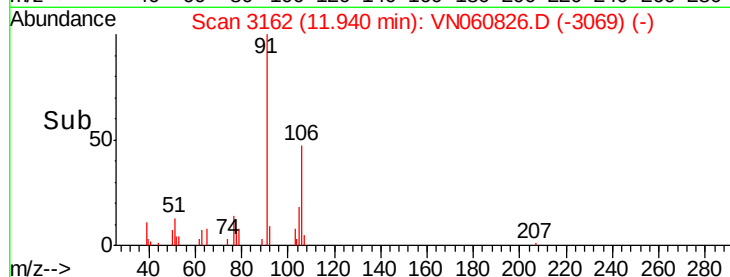
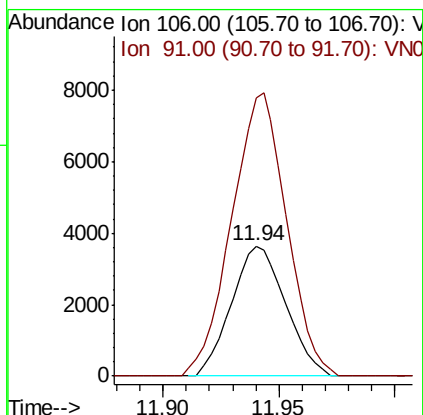
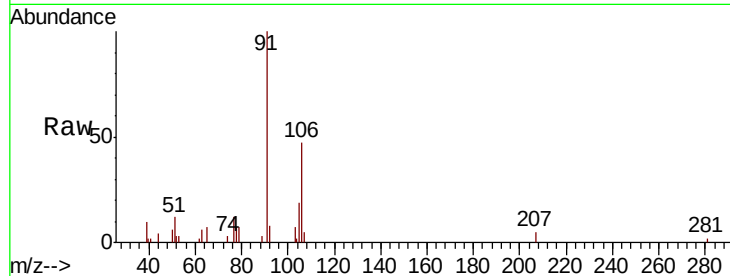




#69
o-Xylene
Concen: 1.503 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

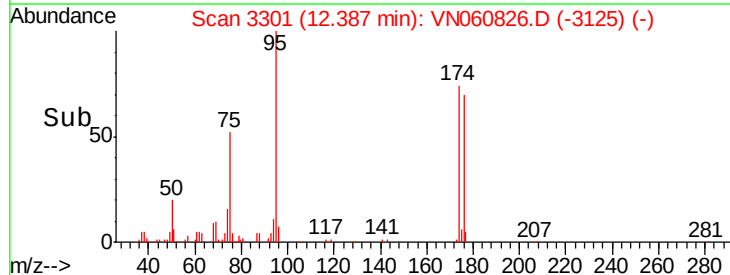
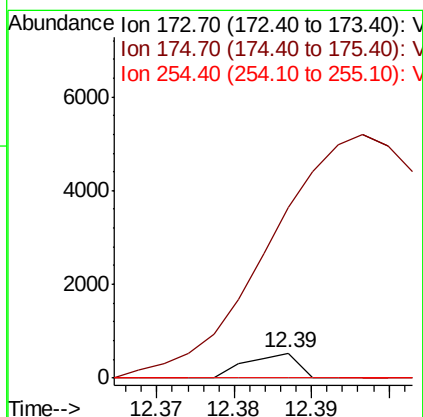
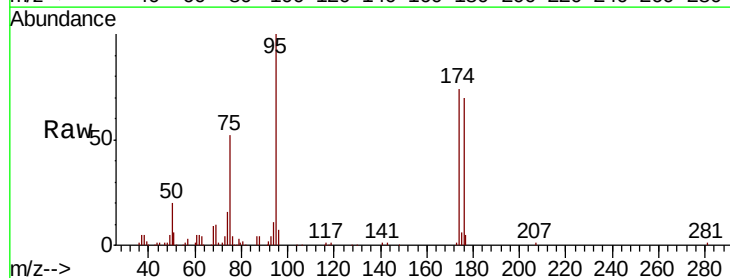
Instrument :
MSVOA_N
ClientSampleId :

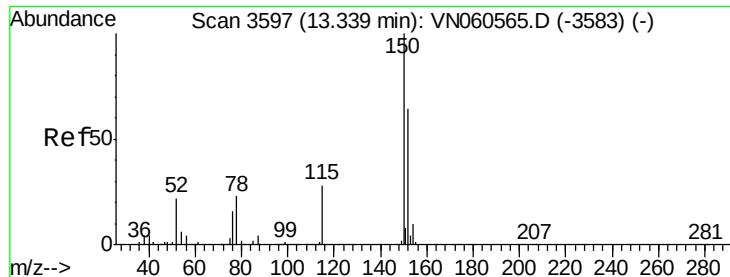
Tot Ion:106 Resp: 5893
Ion Ratio Lower Upper
106 100
91 221.3 109.5 328.4



#71
Bromoform
Concen: 1.811 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.27 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

Tgt Ion:173 Resp: 242
Ion Ratio Lower Upper
173 100
175 2981.4 24.1 72.4#
254 0.0 0.0 0.0



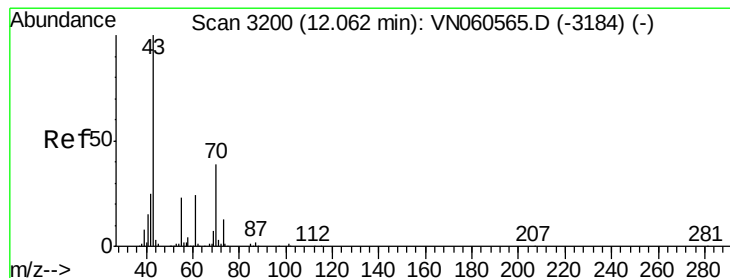
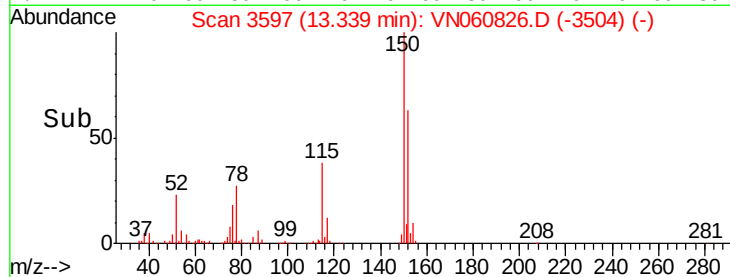
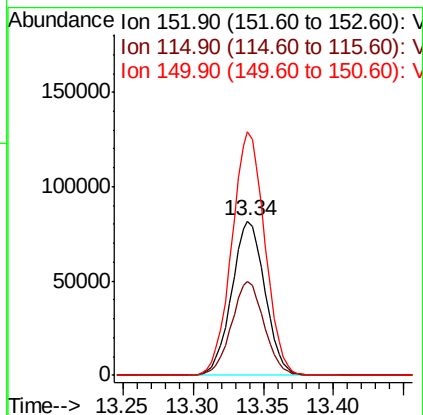
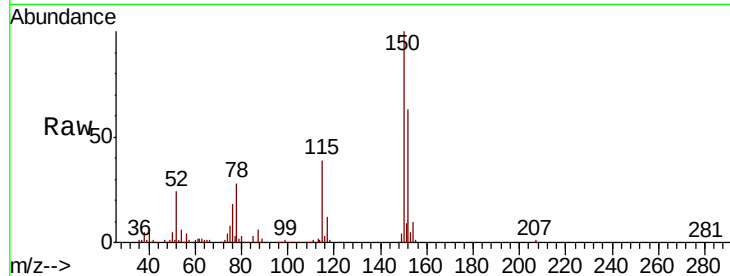


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :

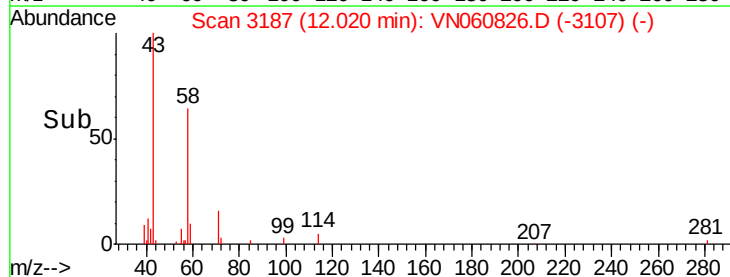
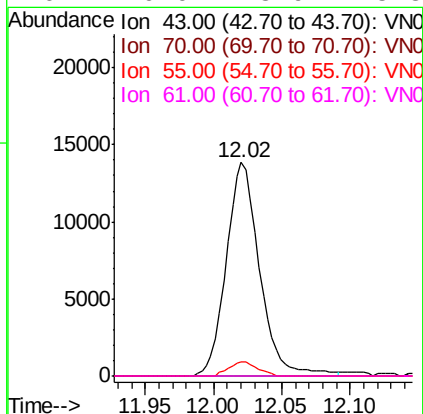
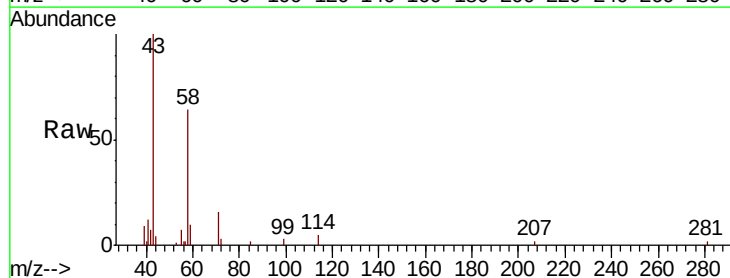
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.2	90.6
150	157.1	0.0	350.2

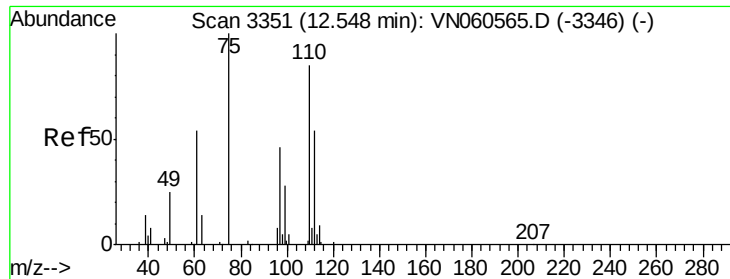


#74

N-ethyl acetate
Concen: 5.055 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060826.D
Acq: 2 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	5.5	18.6	27.8#
61	0.0	18.9	28.3#





#76

1,2,3-Trichloropropane

Concen: 25.635 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060826.D

Acq: 2 Apr 2020 16:31

Instrument :

MSVOA_N

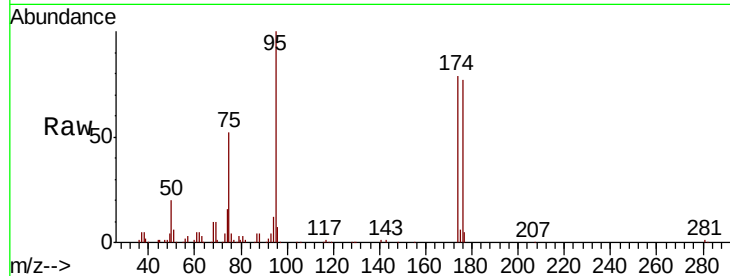
ClientSampled :

Tot Ion: 75 Resp: 74584

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

50000

40000

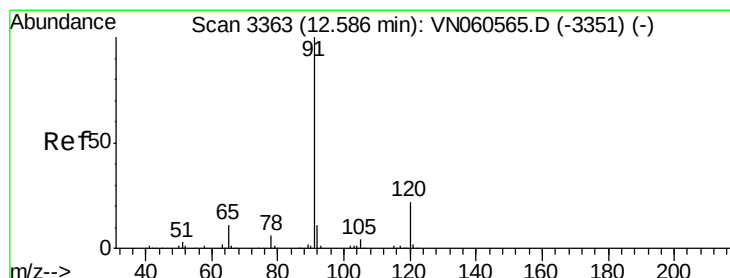
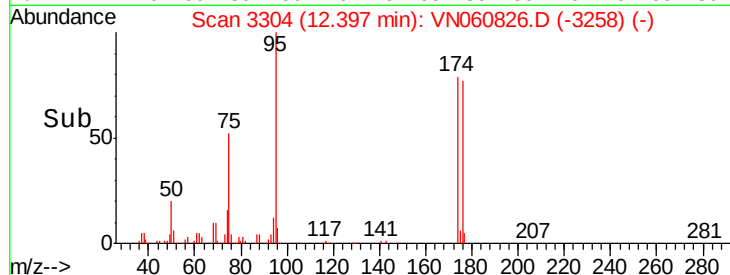
30000

20000

10000

0

Time-->



#78

n-propylbenzene

Concen: 0.349 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060826.D

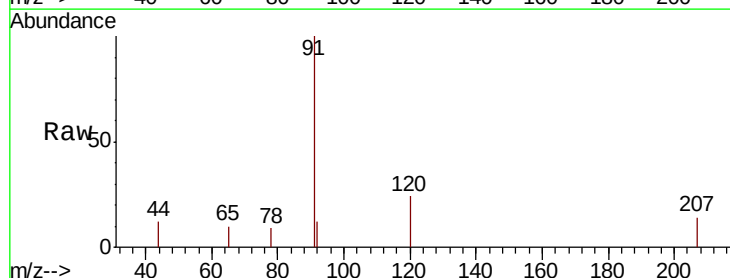
Acq: 2 Apr 2020 16:31

Tgt Ion: 91 Resp: 4172

Ion Ratio Lower Upper

91 100

120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

4000

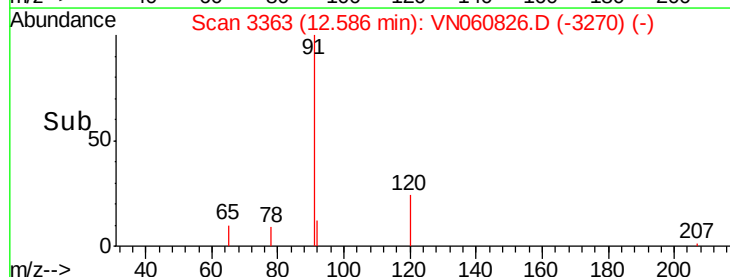
3000

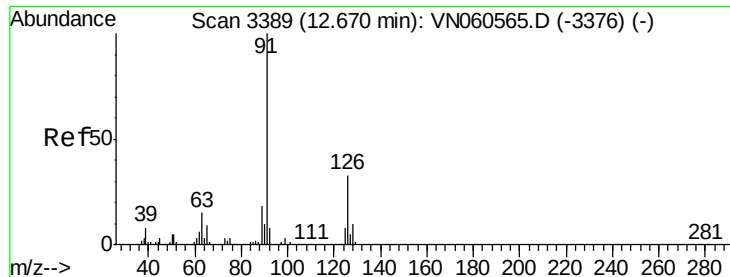
2000

1000

0

Time-->





#79

2-Chlorotoluene

Concen: 0.294 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN060826.D

Acq: 2 Apr 2020 16:31

Instrument :

MSVOA_N

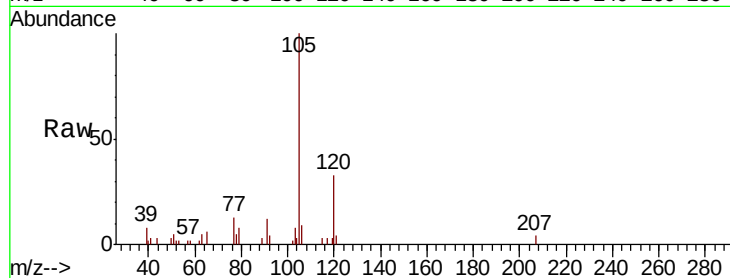
ClientSampled :

Tot Ion: 91 Resp: 2097

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN060826.D (-3384) (-)

Ion 125.90 (125.60 to 126.60): VN060826.D (-3384) (-)

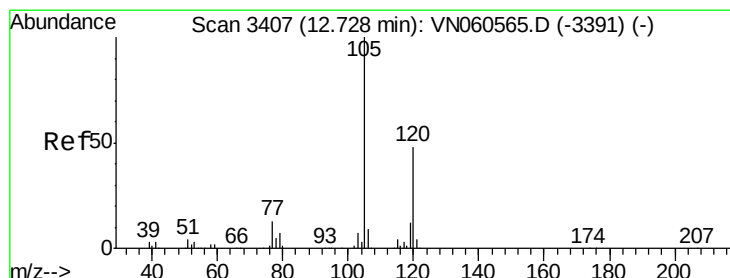
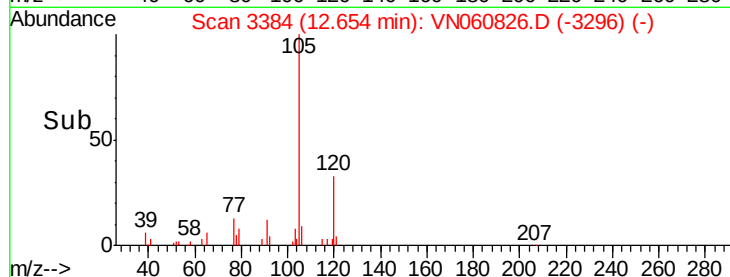
12.65

1000

500

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.835 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060826.D

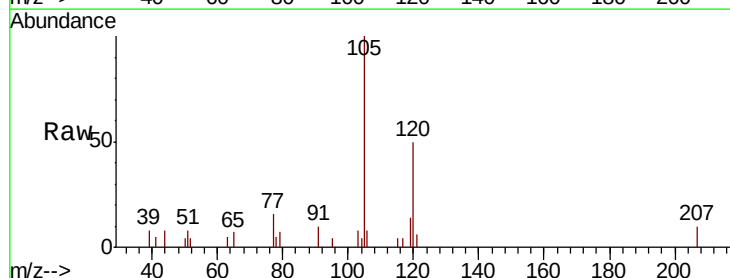
Acq: 2 Apr 2020 16:31

Tgt Ion:105 Resp: 7170

Ion Ratio Lower Upper

105 100

120 52.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060826.D (-3407) (-)

Ion 120.00 (119.70 to 120.70): VN060826.D (-3407) (-)

12.73

5000

4000

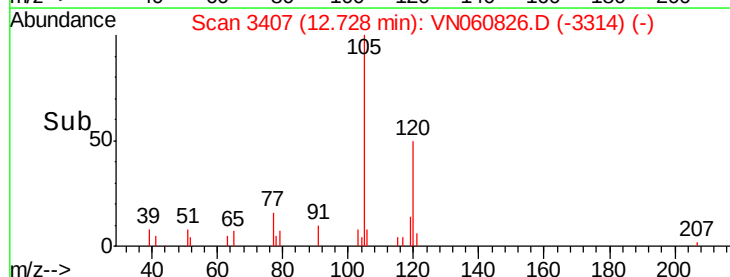
3000

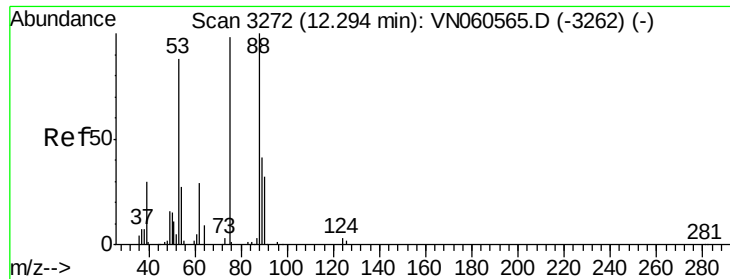
2000

1000

0

Time-->

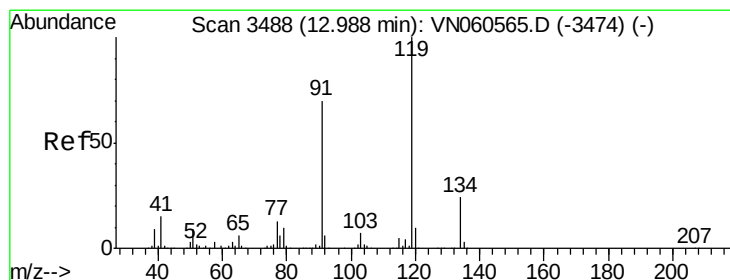
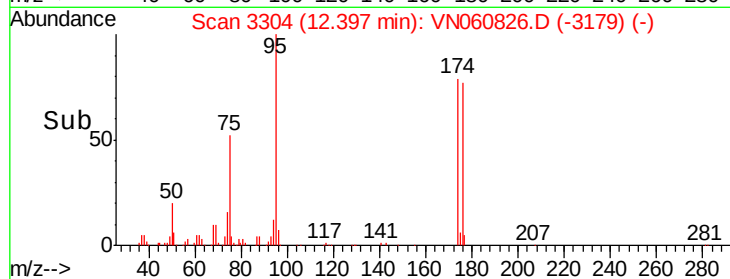
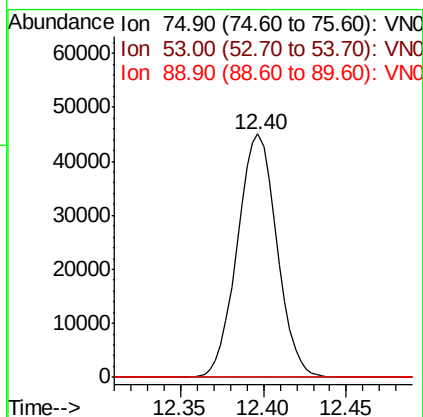
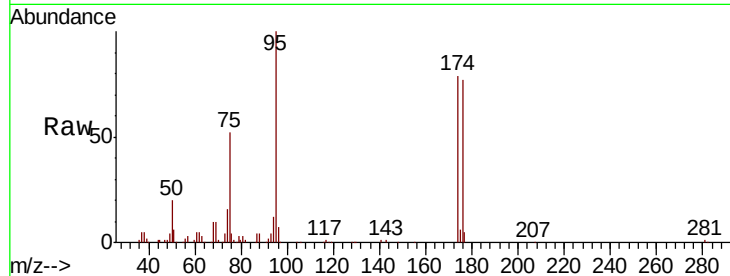




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.838 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060826.D
 Acq: 2 Apr 2020 16:31

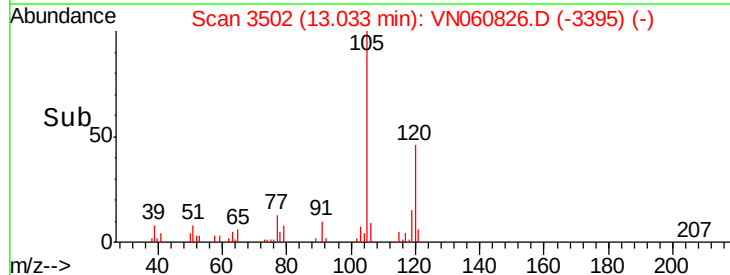
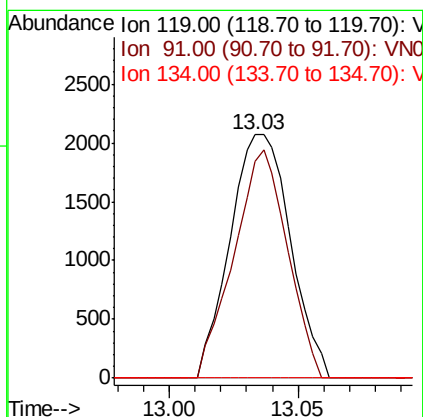
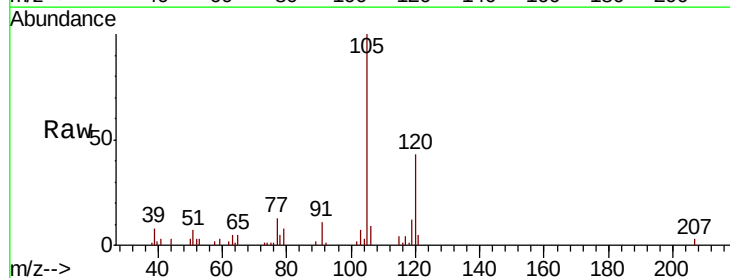
Instrument :
 MSVOA_N
 ClientSampled :

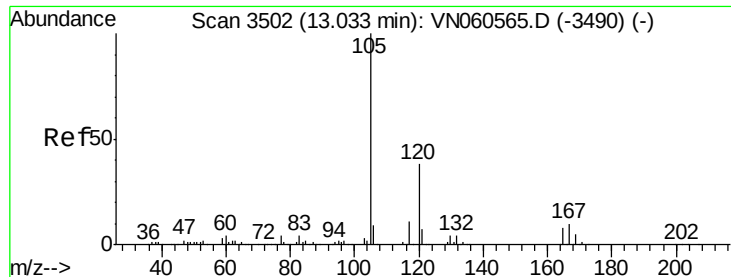
Tot Ion: 75 Resp: 74584
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#



#83
 tert-Butylbenzene
 Concen: 0.473 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.04 min
 Lab File: VN060826.D
 Acq: 2 Apr 2020 16:31

Tgt Ion: 119 Resp: 3370
 Ion Ratio Lower Upper
 119 100
 91 83.1 34.0 101.8
 134 0.0 12.7 38.0#

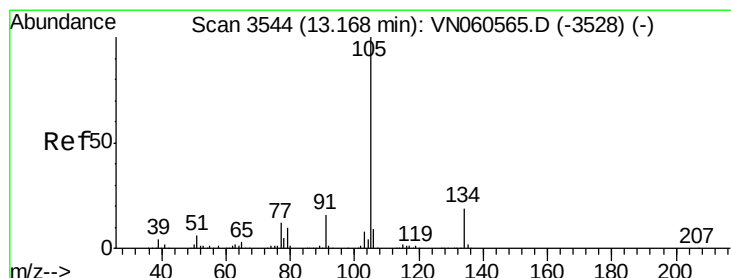
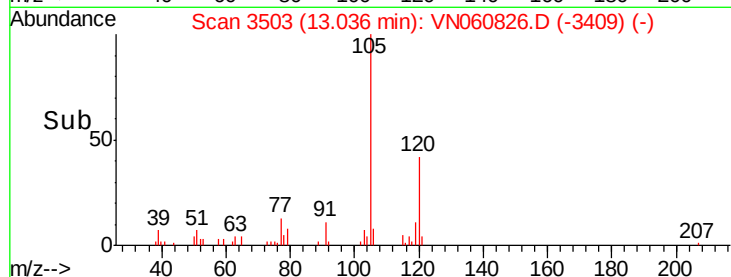
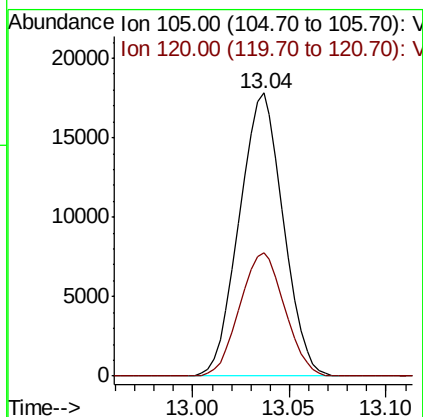
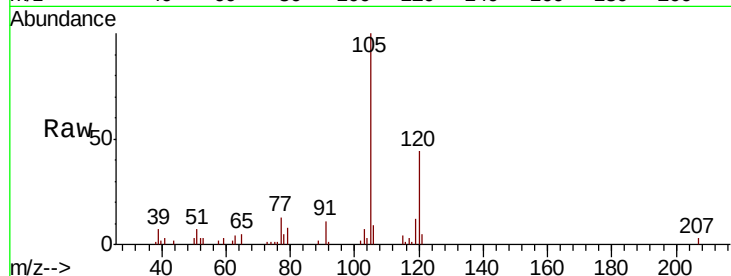




#84
 1,2,4-Trimethylbenzene
 Concen: 3.315 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060826.D
 Acq: 2 Apr 2020 16:31

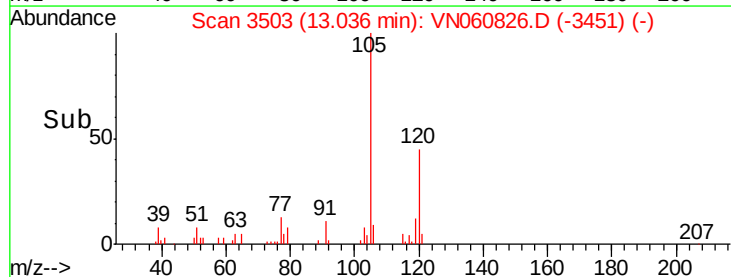
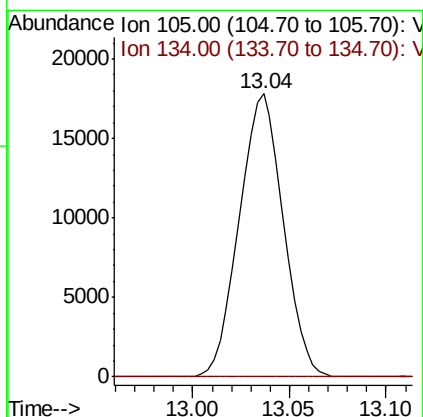
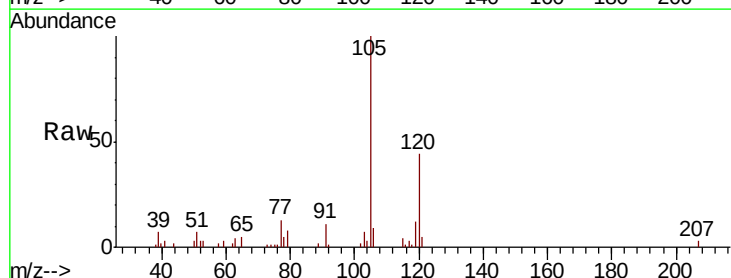
Instrument :
 MSVOA_N
 ClientSampled :

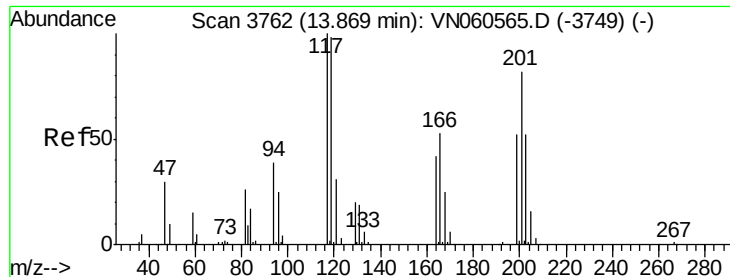
Tot Ion:105 Resp: 28163
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 2.942 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.13 min
 Lab File: VN060826.D
 Acq: 2 Apr 2020 16:31

Tgt Ion:105 Resp: 28163
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.8#





#90

Hexachloroethane

Concen: 0.273 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.02 min

Lab File: VN060826.D

Acq: 2 Apr 2020 16:31

Instrument :

MSVOA_N

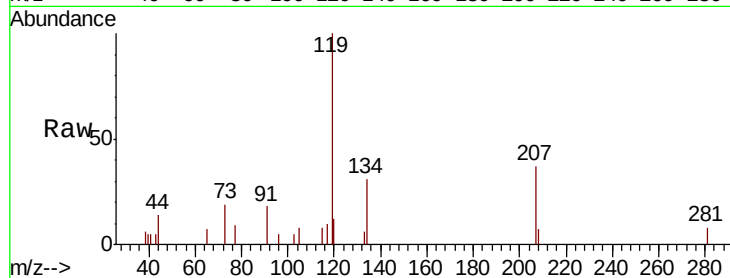
ClientSampled :

Tot Ion:117 Resp: 341

Ion Ratio Lower Upper

117 100

201 0.0 40.8 122.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

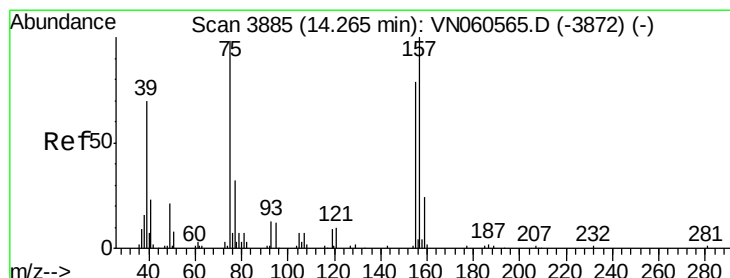
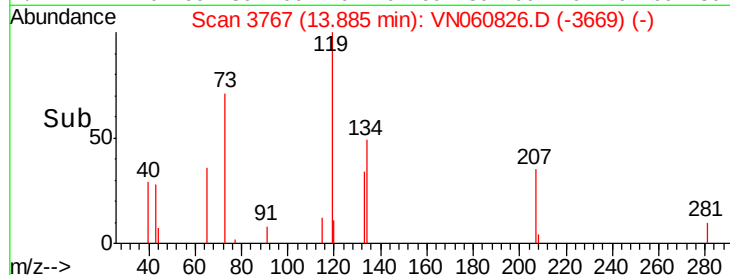
300

200

100

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.00 min Scan# 3803

Delta R.T. -0.26 min

Lab File: VN060826.D

Acq: 2 Apr 2020 16:31

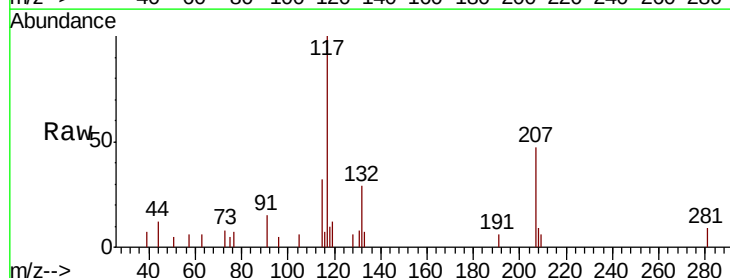
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 40.7 122.1#

157 0.0 51.5 154.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

200

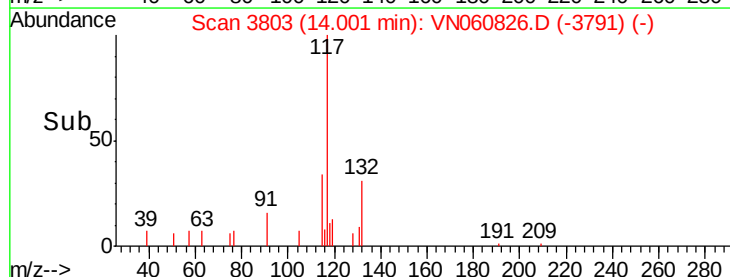
150

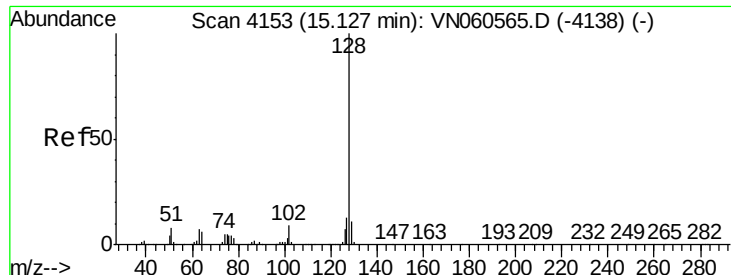
100

50

0

Time-->





#95
 Naphthalene
 Concen: 0.507 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060826.D
 Acq: 2 Apr 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.2	15.2
129	11.5	8.8	13.2

