

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061103.D
 Acq On : 20 Apr 2020 15:51
 Operator : JC/MD
 Sample : L2330-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 04:00:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	142963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	244600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	229200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98309	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	97590	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
35) Dibromofluoromethane	7.56	113	74649	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
50) Toluene-d8	10.08	98	301909	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
62) 4-Bromofluorobenzene	12.39	95	109209	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	

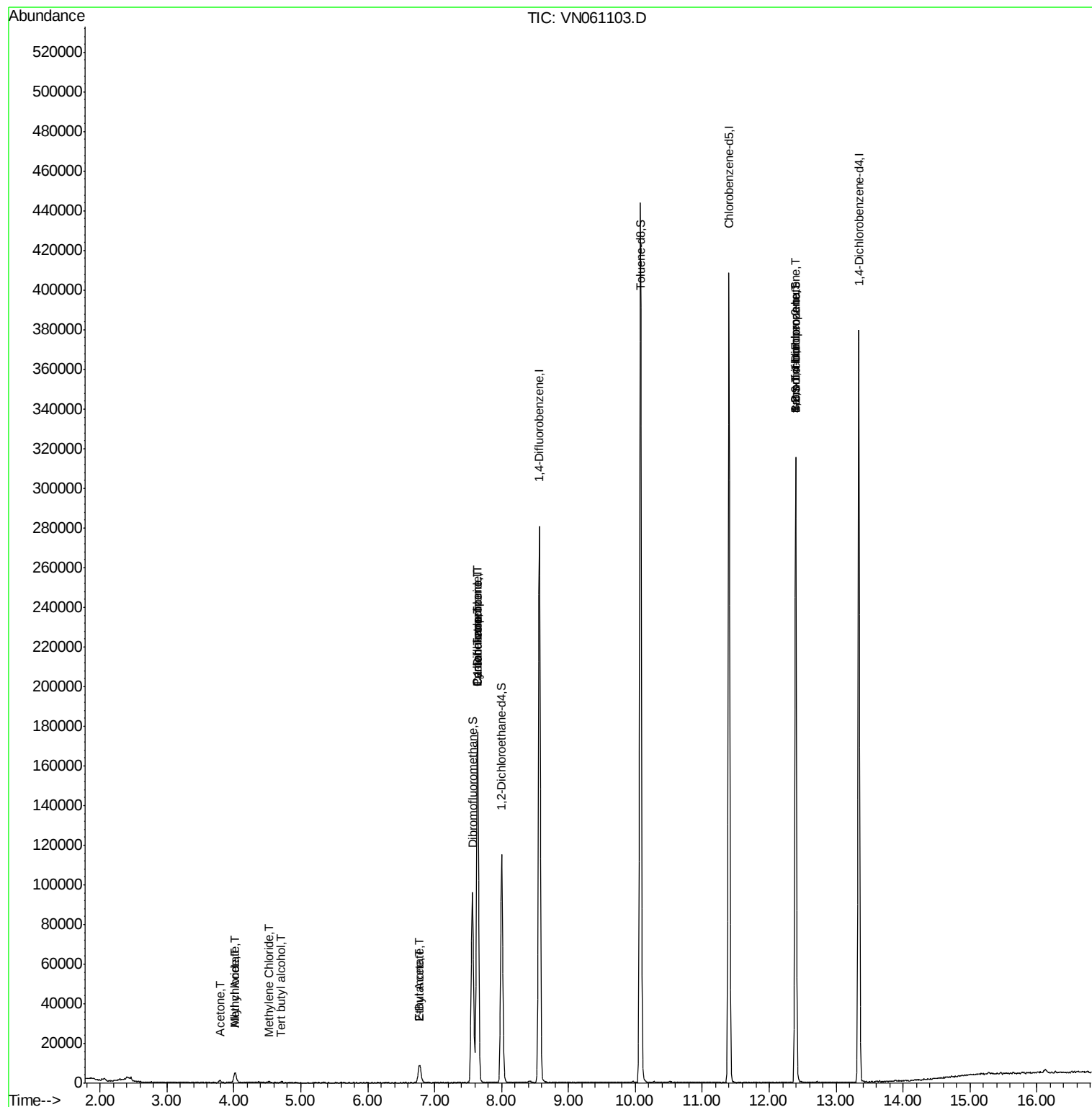
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	540	1.664	ug/l #	73
14) Allyl chloride	4.01	41	688	0.232	ug/l #	44
16) Acetone	3.79	43	2086	2.591	ug/l	97
18) Methyl Acetate	4.02	43	1974	0.782	ug/l #	54
20) Methylene Chloride	4.53	84	526	0.299	ug/l #	77
25) 2-Butanone	6.78	43	625	0.507	ug/l #	51
31) Cyclohexane	7.64	56	2944	0.864	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11759	4.659	ug/l #	49
37) Ethyl Acetate	6.78	43	625	0.228	ug/l #	83
38) Carbon Tetrachloride	7.64	117	14317	6.814	ug/l #	16
71) Bromoform	12.39	173	593	0.469	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	56612	26.180	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	56612	64.576	ug/l #	12

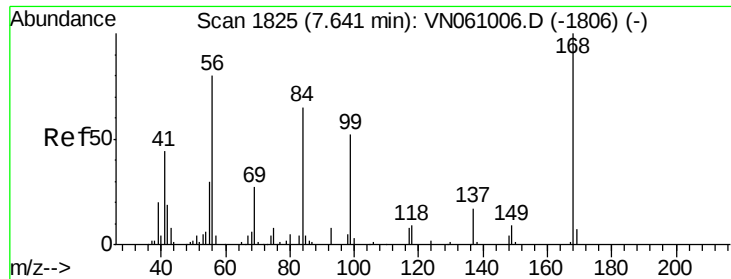
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061103.D

Acq: 20 Apr 2020 15:51

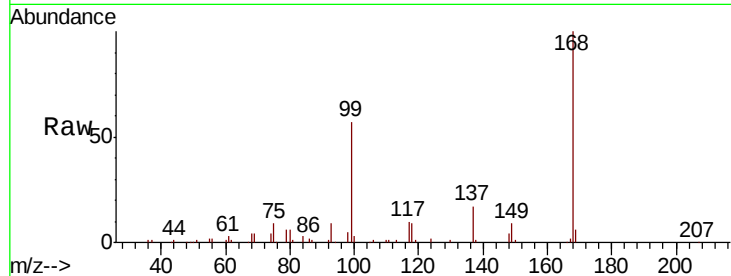
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 142963

Ion Ratio Lower Upper

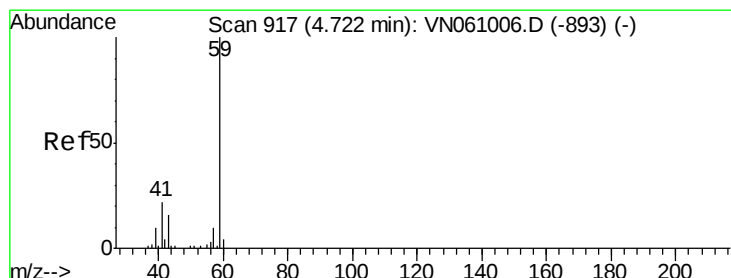
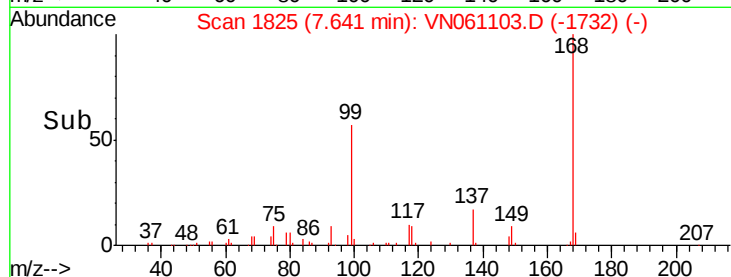
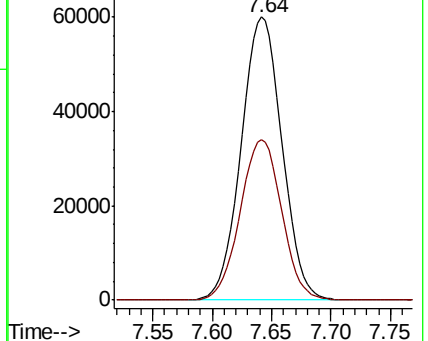
168 100

99 56.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 1.664 ug/l

RT: 4.71 min Scan# 913

Delta R.T. -0.01 min

Lab File: VN061103.D

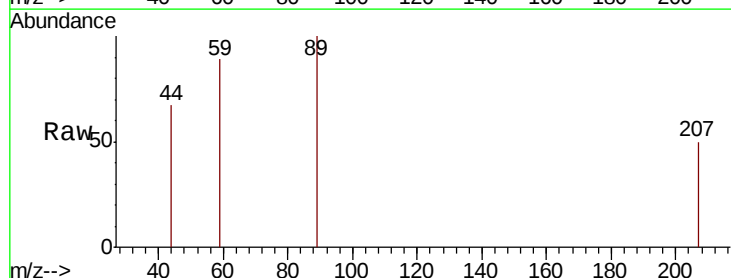
Acq: 20 Apr 2020 15:51

Tgt Ion: 59 Resp: 540

Ion Ratio Lower Upper

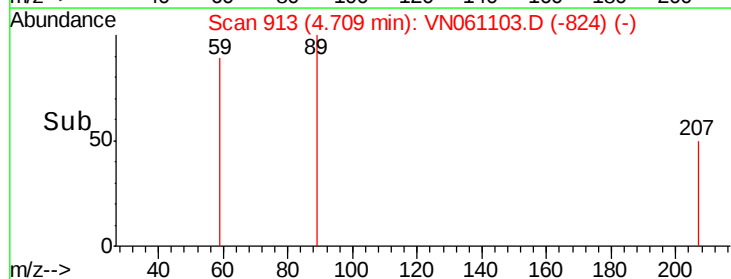
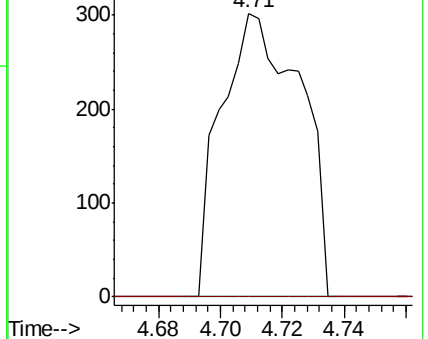
59 100

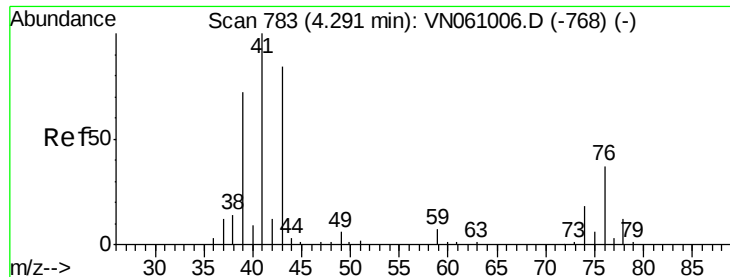
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#14

Allvl chloride

Concen: 0.232 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.28 min

Lab File: VN061103.D

Acq: 20 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampled :

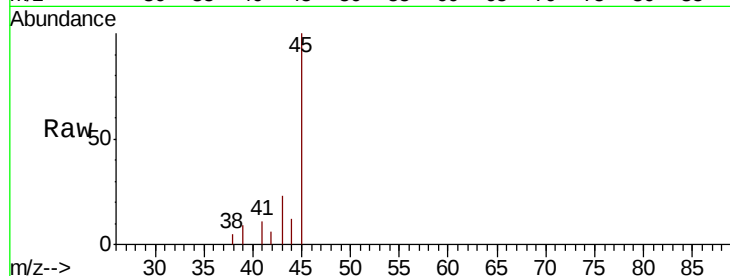
Tot Ion: 41 Resp: 688

Ion Ratio Lower Upper

41 100

39 25.3 56.3 84.5#

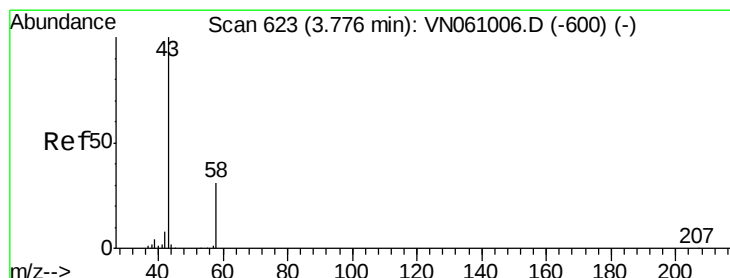
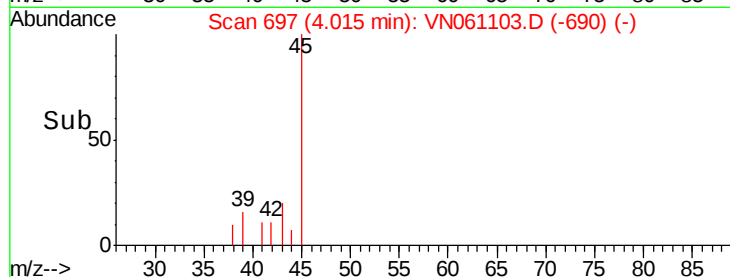
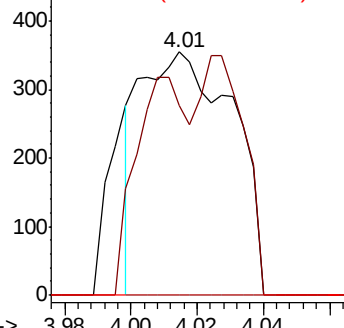
76 0.0 27.7 41.5#



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



#16

Acetone

Concen: 2.591 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN061103.D

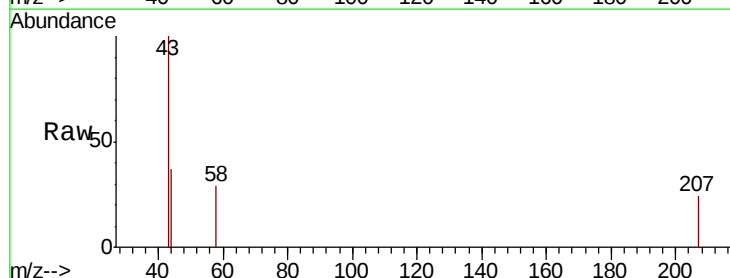
Acq: 20 Apr 2020 15:51

Tgt Ion: 43 Resp: 2086

Ion Ratio Lower Upper

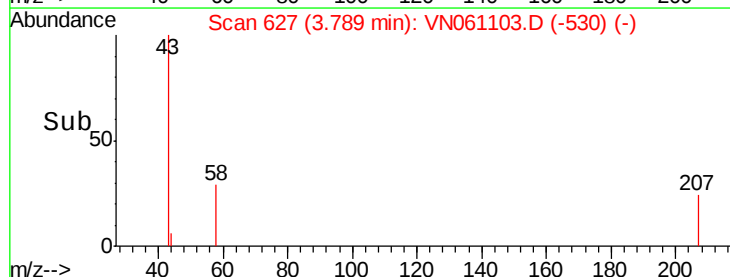
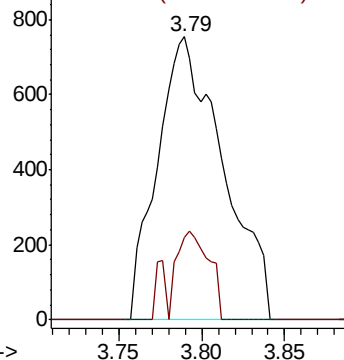
43 100

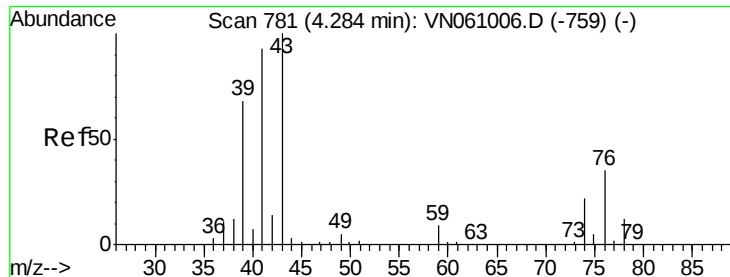
58 28.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

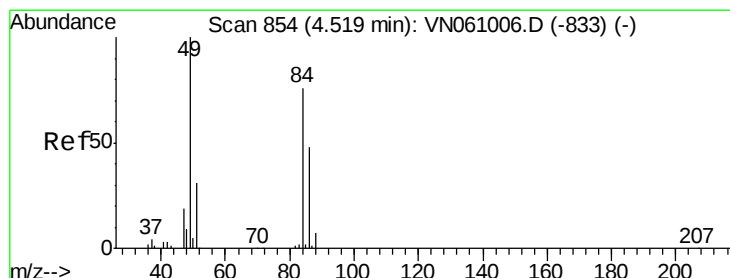
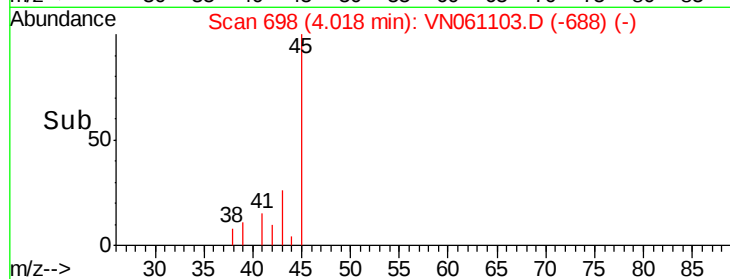
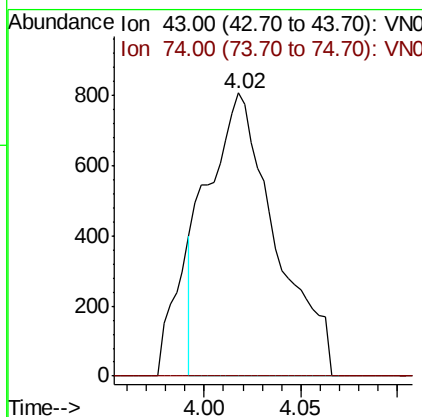
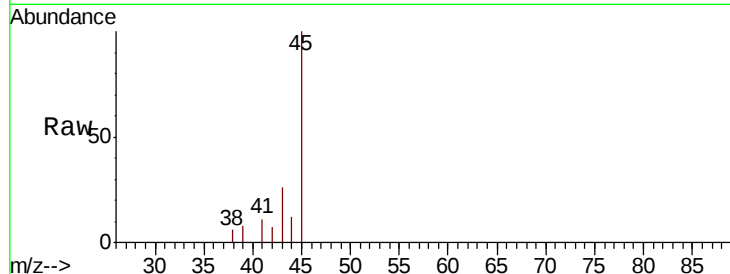




#18
Methvl Acetate
Concen: 0.782 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.27 min
Lab File: VN061103.D
Acq: 20 Apr 2020 15:51

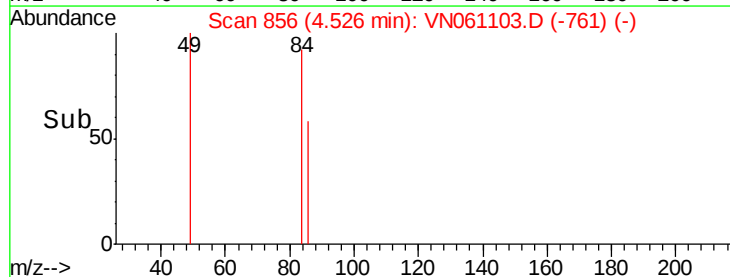
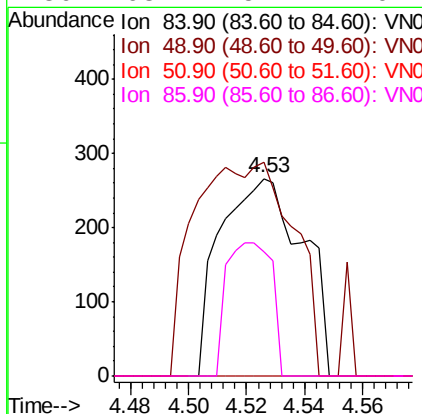
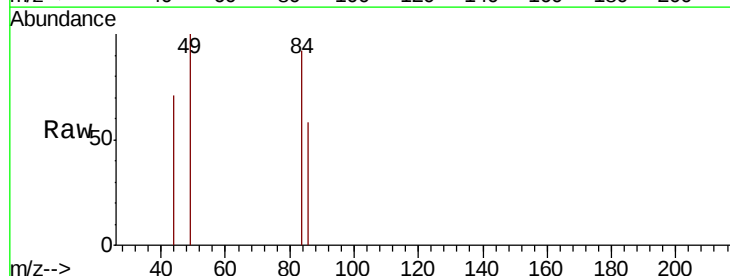
Instrument :
MSVOA_N
ClientSampled :

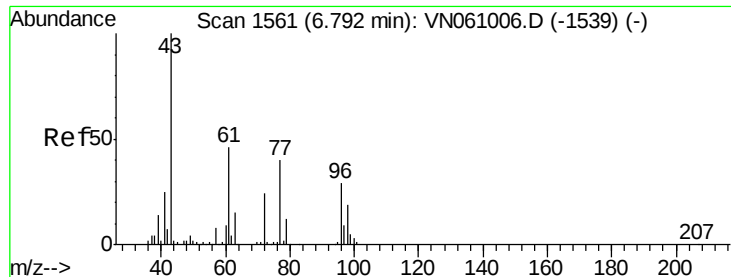
Tot Ion: 43 Resp: 1974
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN061103.D
Acq: 20 Apr 2020 15:51

Tgt Ion: 84 Resp: 526
Ion Ratio Lower Upper
84 100
49 108.3 105.8 158.6
51 0.0 32.4 48.6#
86 63.2 51.1 76.7





#25

2-Butanone

Concen: 0.507 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.02 min

Lab File: VN061103.D

Acq: 20 Apr 2020 15:51

Instrument :

MSVOA_N

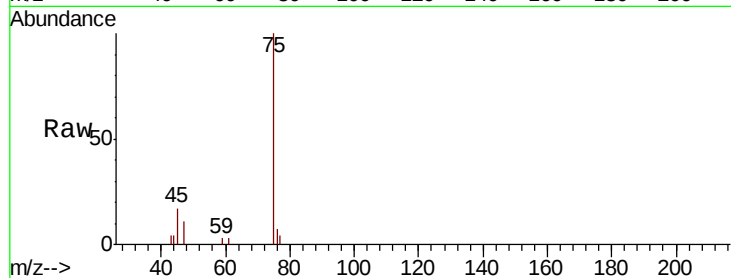
ClientSampled :

Tot Ion: 43 Resp: 625

Ion Ratio Lower Upper

43 100

72 0.0 19.6 29.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

250

200

150

100

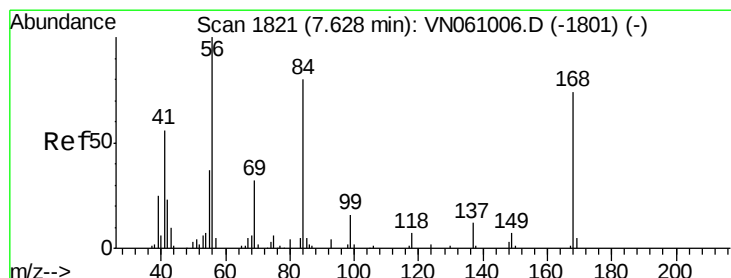
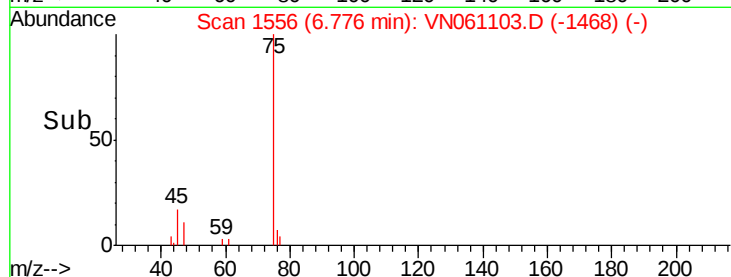
50

0

6.75

6.80

Time-->



#31

Cyclohexane

Concen: 0.864 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN061103.D

Acq: 20 Apr 2020 15:51

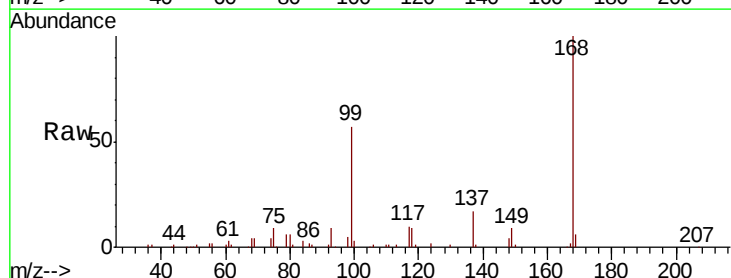
Tgt Ion: 56 Resp: 2944

Ion Ratio Lower Upper

56 100

69 182.5 25.6 38.4#

84 147.4 63.4 95.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

3000

2000

1000

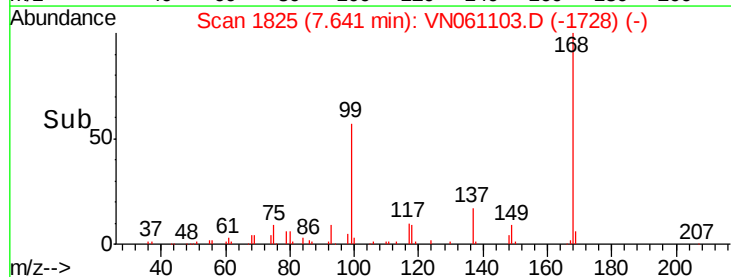
0

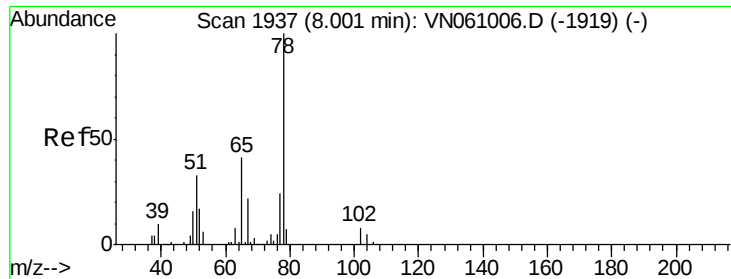
7.60

7.65

7.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 53.354 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061103.D

Acq: 20 Apr 2020 15:51

Instrument :

MSVOA_N

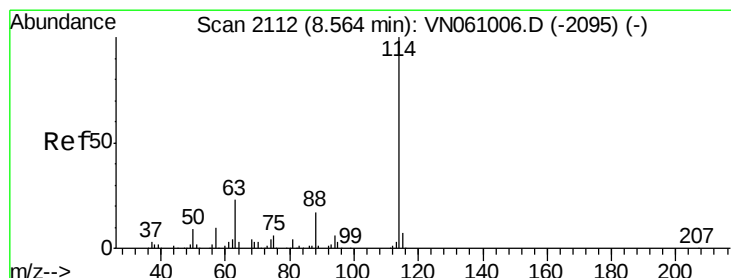
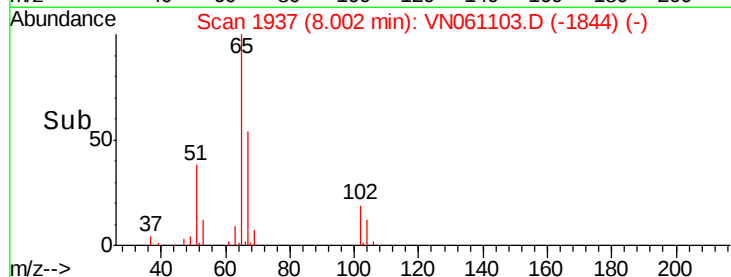
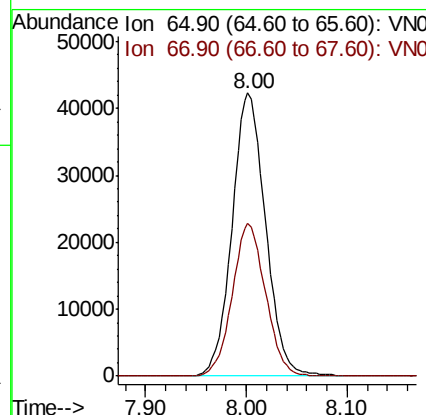
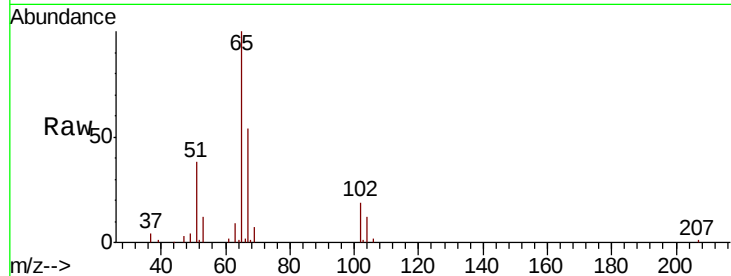
ClientSampleId :

Tot Ion: 65 Resp: 97590

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061103.D

Acq: 20 Apr 2020 15:51

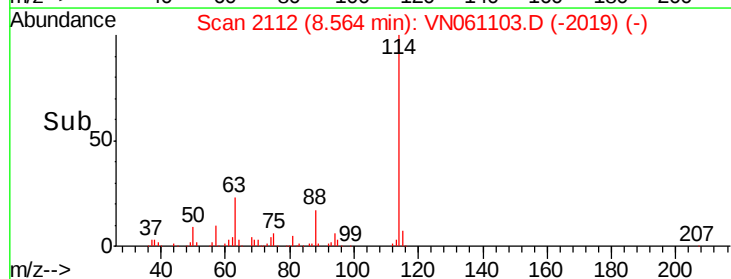
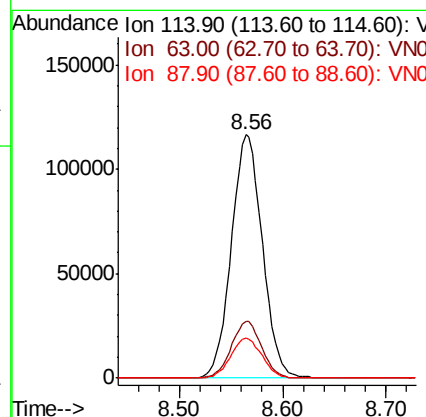
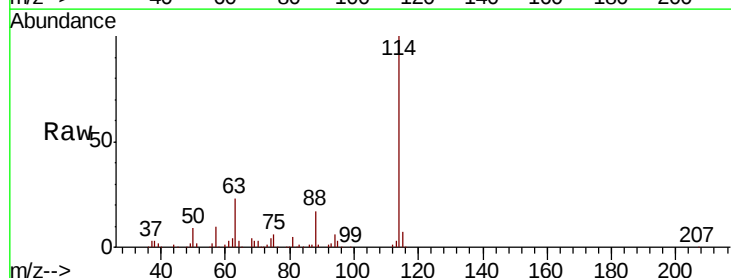
Tgt Ion: 114 Resp: 244600

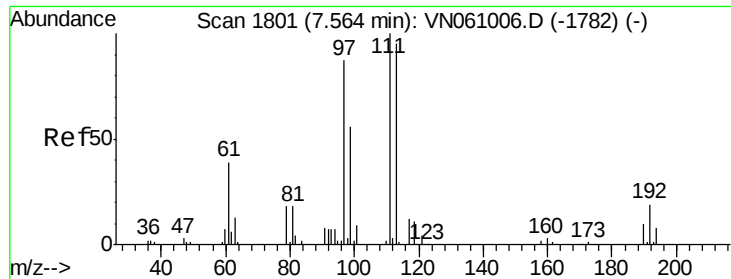
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.2

88 16.5 0.0 33.4

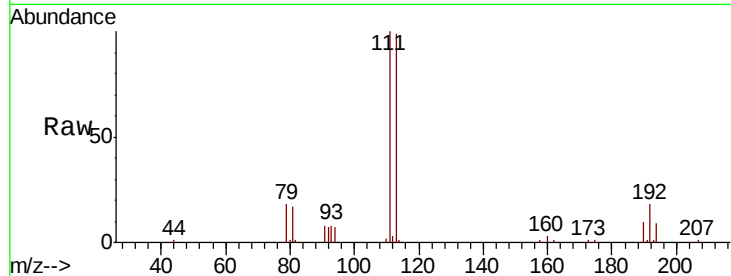




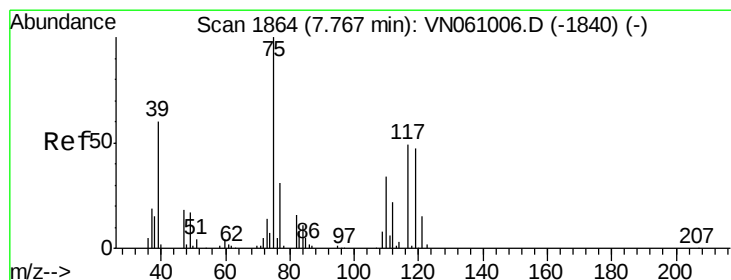
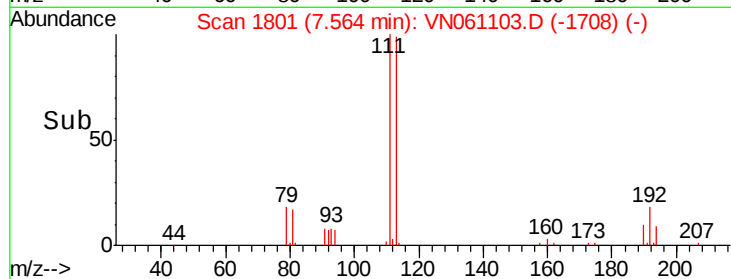
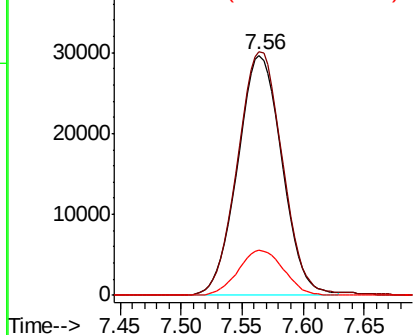
#35
 Dibromofluoromethane
 Concen: 52.259 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061103.D
 Acq: 20 Apr 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.2
192	19.1	15.5	23.3

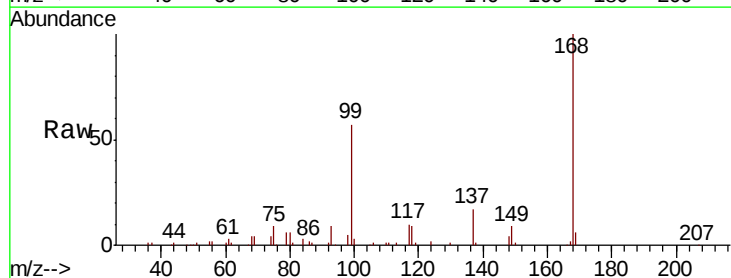


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

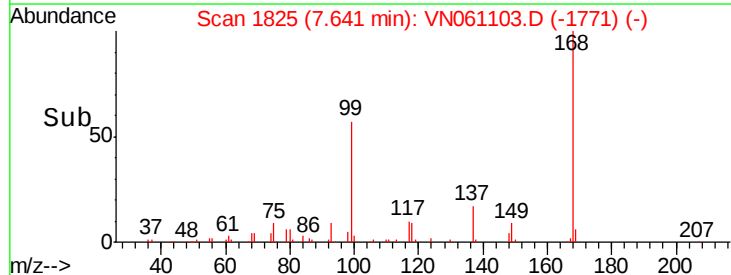
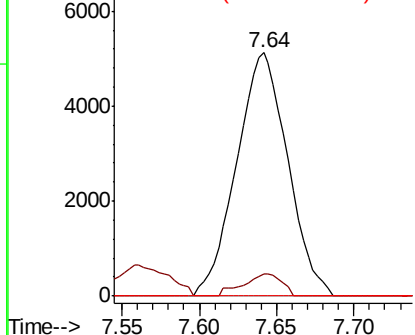


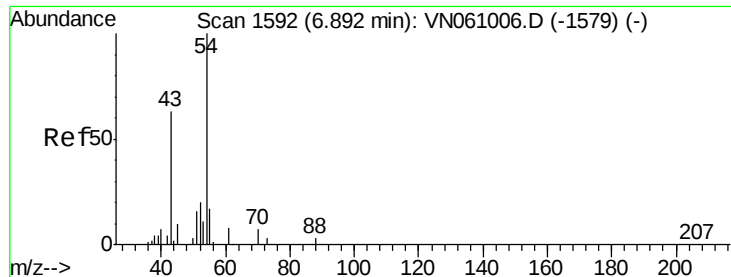
#36
 1,1-Dichloropropene
 Concen: 4.659 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN061103.D
 Acq: 20 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.8	50.3#
77	0.0	24.7	37.1#



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

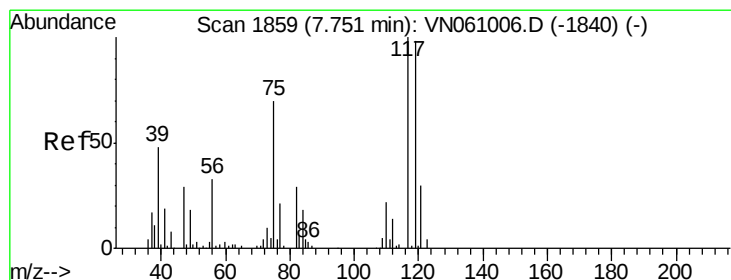
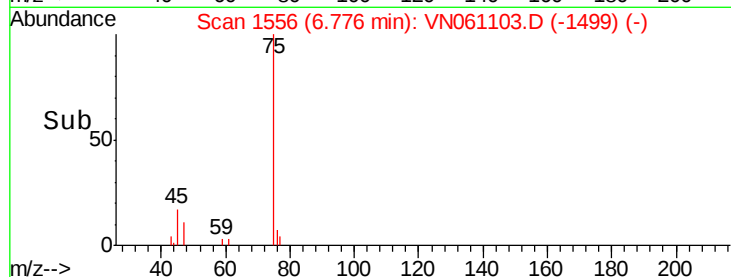
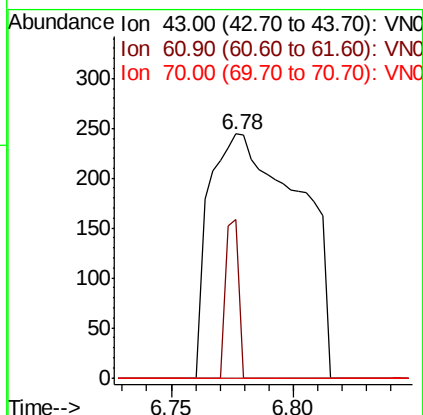
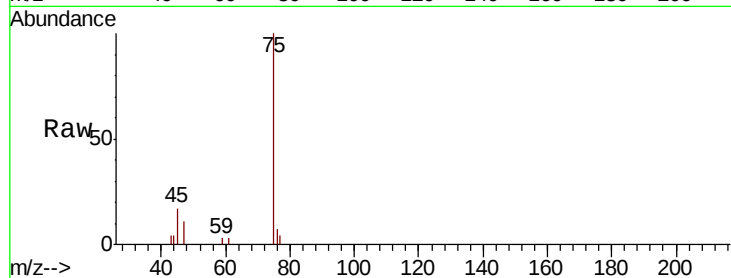




#37
Ethyl Acetate
Concen: 0.228 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.12 min
Lab File: VN061103.D
Acq: 20 Apr 2020 15:51

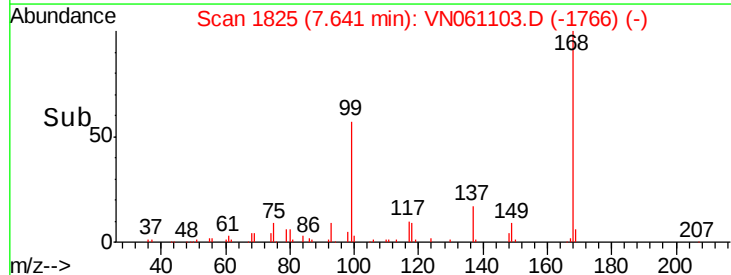
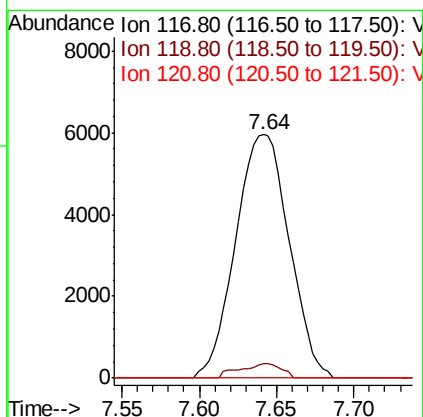
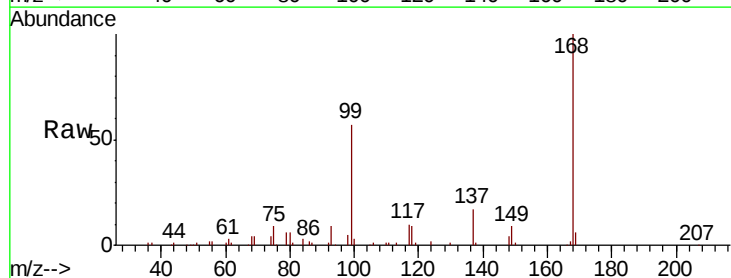
Instrument :
MSVOA_N
ClientSampled :

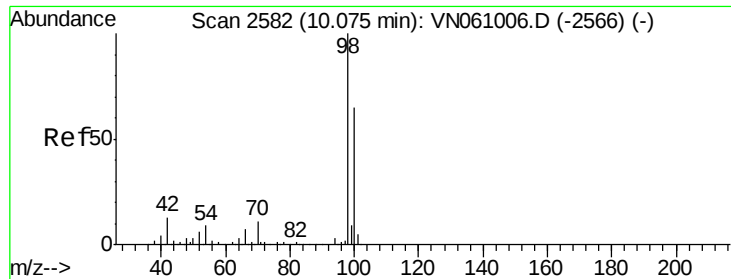
Tot Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
61 9.6 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.814 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN061103.D
Acq: 20 Apr 2020 15:51

Tgt Ion: 117 Resp: 14317
Ion Ratio Lower Upper
117 100
119 6.1 78.1 117.1#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 55.932 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061103.D

Acq: 20 Apr 2020 15:51

Instrument :

MSVOA_N

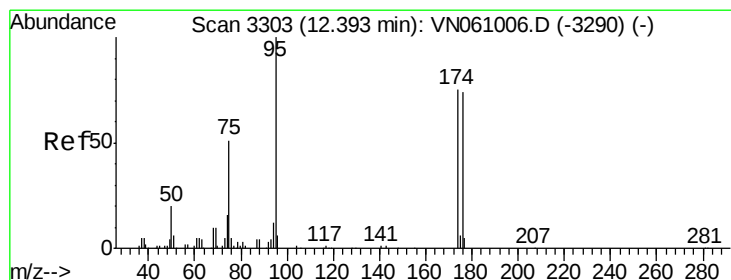
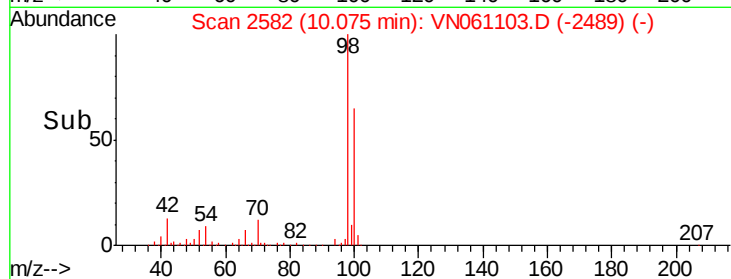
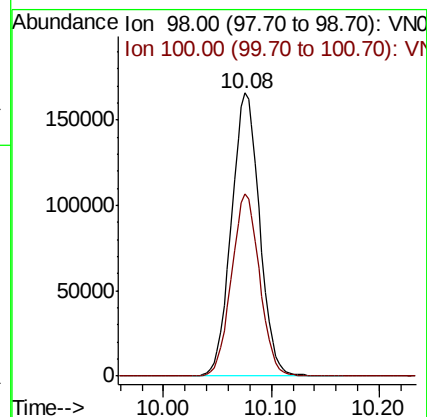
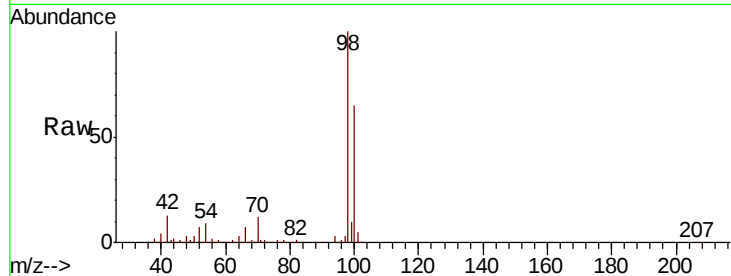
ClientSampleId :

Tot Ion: 98 Resp: 301909

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 51.622 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061103.D

Acq: 20 Apr 2020 15:51

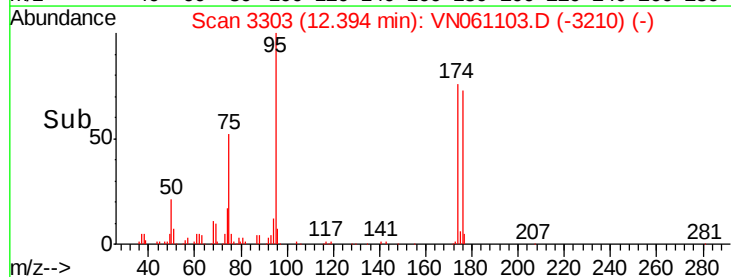
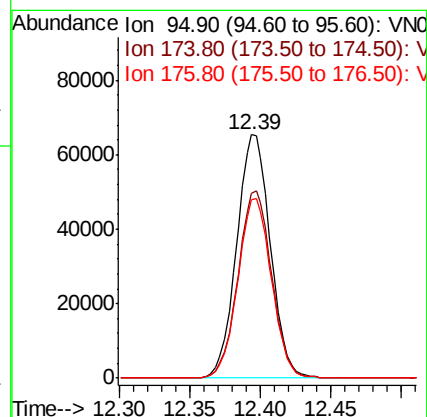
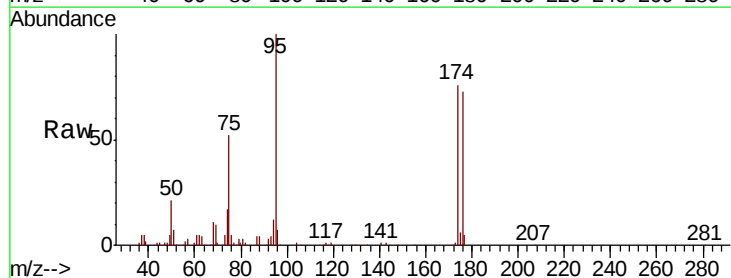
Tgt Ion: 95 Resp: 109209

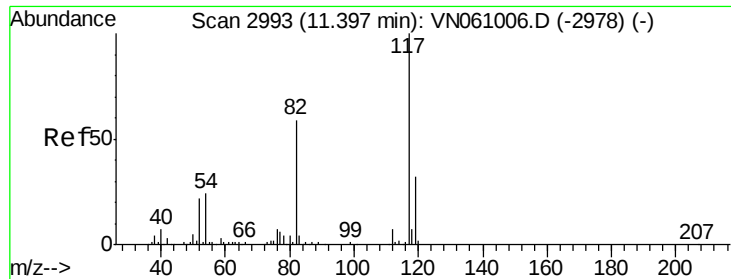
Ion Ratio Lower Upper

95 100

174 77.1 0.0 151.2

176 73.9 0.0 148.2

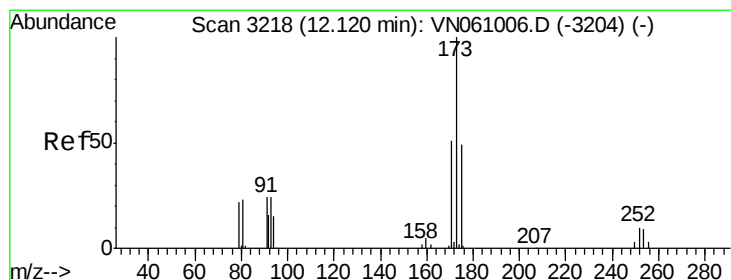
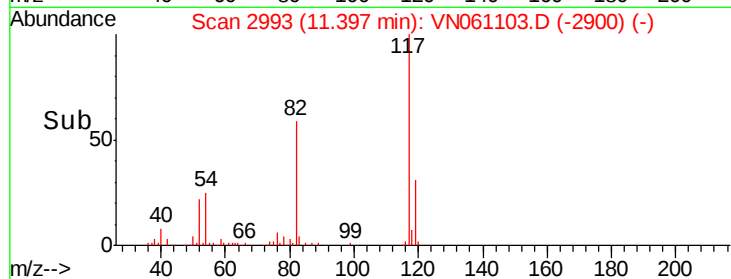
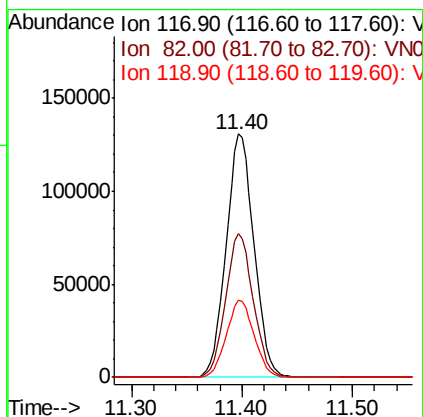
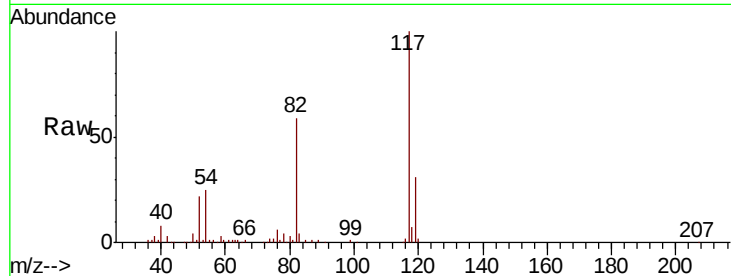




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061103.D
Acq: 20 Apr 2020 15:51

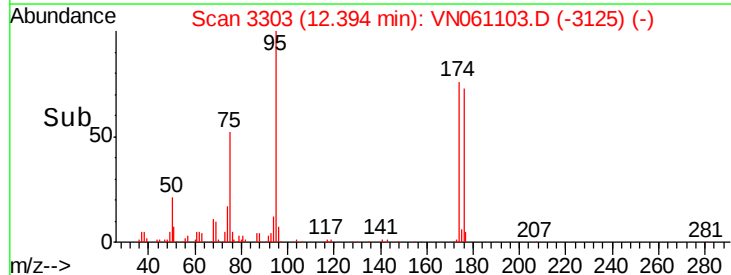
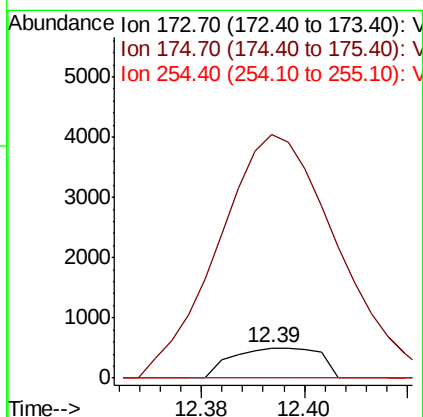
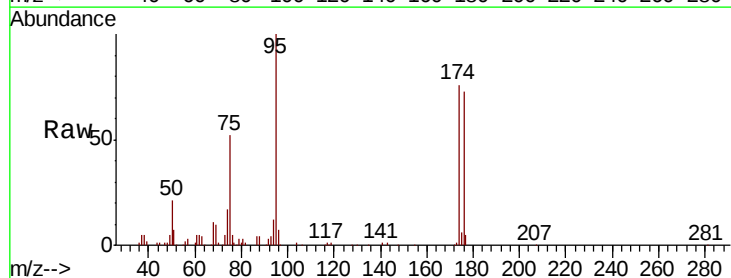
Instrument :
MSVOA_N
ClientSampleId :

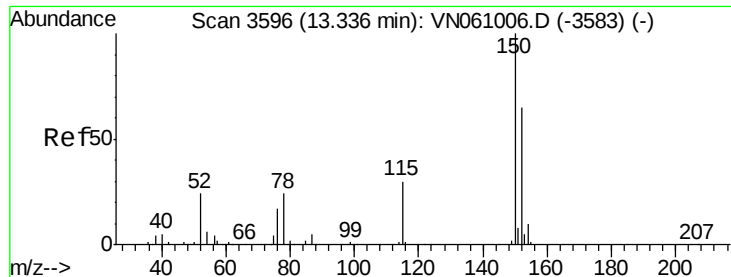
Tot Ion:117 Resp: 229200
Ion Ratio Lower Upper
117 100
82 58.9 47.1 70.7
119 31.5 25.7 38.5



#71
Bromoform
Concen: 0.469 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN061103.D
Acq: 20 Apr 2020 15:51

Tgt Ion:173 Resp: 593
Ion Ratio Lower Upper
173 100
175 957.0 24.5 73.5#
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: VN061103.D

Acq: 20 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

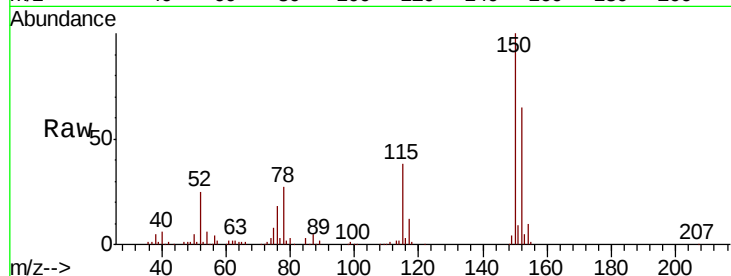
Tot Ion:152 Resp: 98309

Ion Ratio Lower Upper

152 100

115 60.0 30.8 92.4

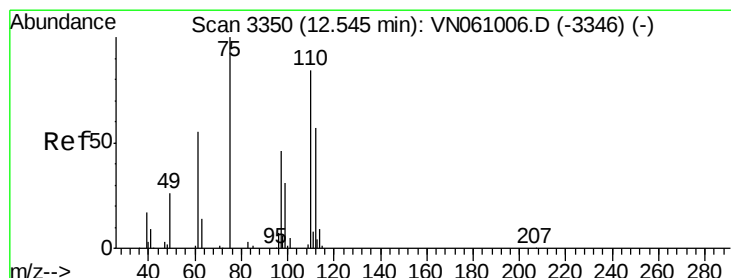
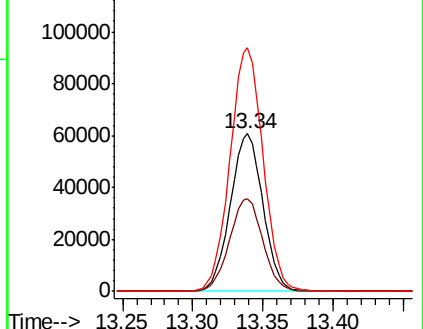
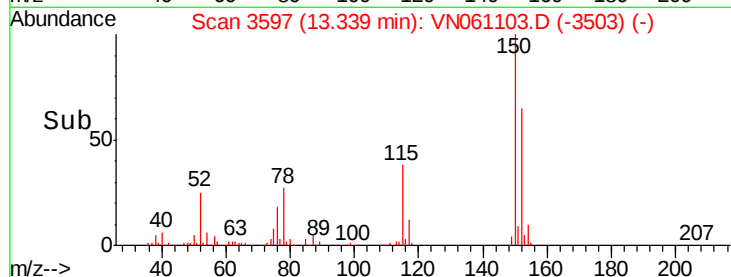
150 156.7 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 26.180 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061103.D

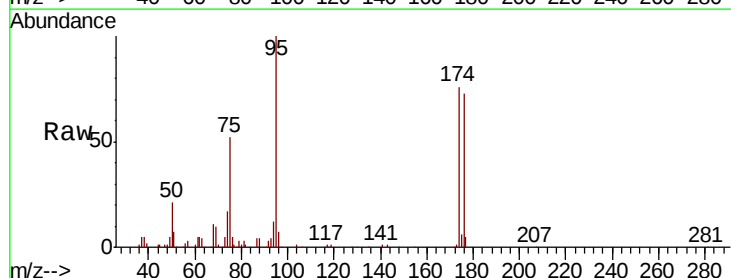
Acq: 20 Apr 2020 15:51

Tgt Ion: 75 Resp: 56612

Ion Ratio Lower Upper

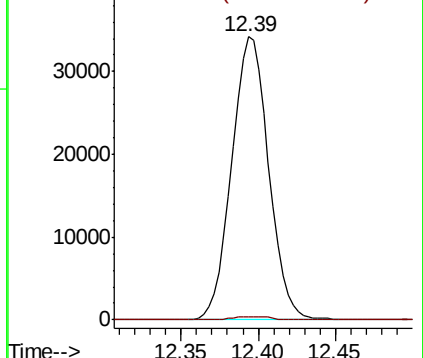
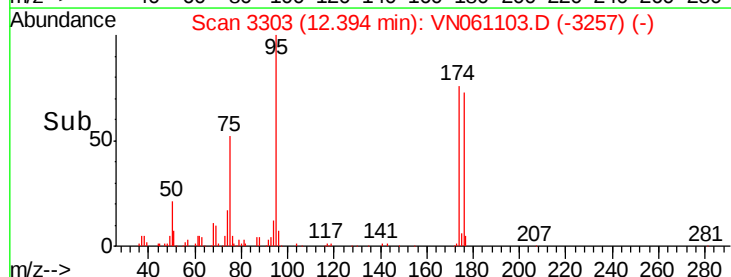
75 100

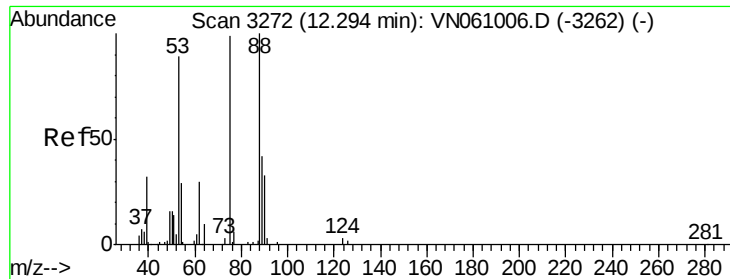
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.576 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061103.D

Acq: 20 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 56612

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

