

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050409.D
 Acq On : 7 Aug 2018 2:38
 Operator : MD\SY
 Sample : J4366-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SV30518L

Quant Time: Aug 07 07:14:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	631931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1012946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	882089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	365591	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	436568	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
35) Dibromofluoromethane	7.59	113	393863	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	10.09	98	1417887	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
62) 4-Bromofluorobenzene	12.40	95	404652	38.85	ug/l	0.00
Spiked Amount			Recovery	=	77.70%	

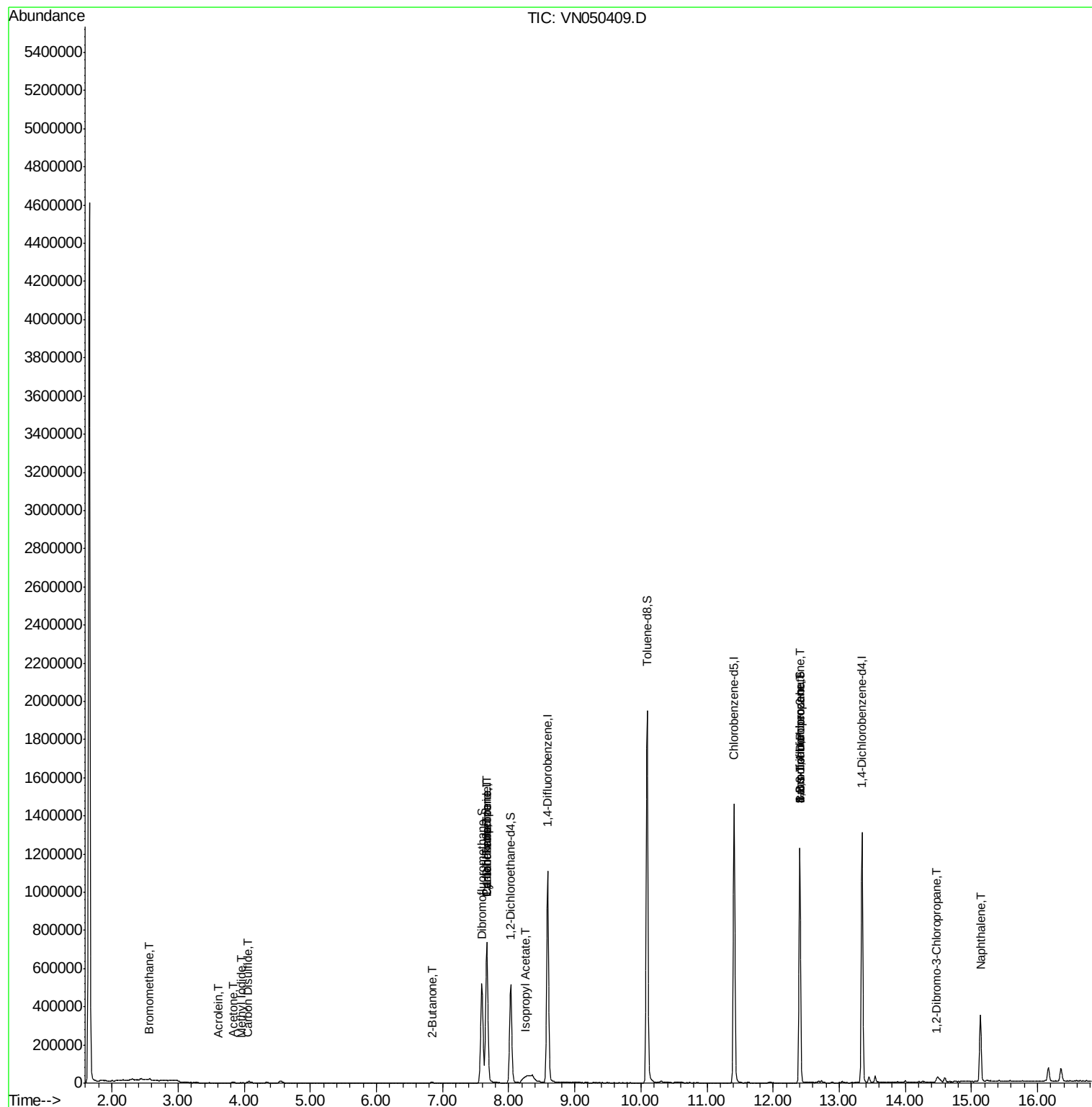
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3669	Below Cal		94
5) Bromomethane	2.57	94	4930	1.29 ug/l		92
10) Methyl Iodide	3.96	142	1368	0.43 ug/l #		64
13) Acrolein	3.60	56	63	15.10 ug/l #		75
16) Acetone	3.83	43	8885	3.17 ug/l		91
17) Carbon Disulfide	4.05	76	5671	0.26 ug/l		98
20) Methylene Chloride	4.56	84	7222	Below Cal		92
25) 2-Butanone	6.85	43	1008	0.24 ug/l #		48
31) Cyclohexane	7.67	56	12356	0.40 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	44381	3.99 ug/l #		48
38) Carbon Tetrachloride	7.67	117	57119	4.92 ug/l #		17
43) Isopropyl Acetate	8.25	43	33210	2.40 ug/l #		62
71) Bromoform	12.40	173	2383	0.41 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	195187	29.50 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	195187	103.63 ug/l #		13
92) 1,2-Dibromo-3-Chloropropan	14.47	75	328	0.24 ug/l #		19
95) Naphthalene	15.14	128	312187	19.98 ug/l		100

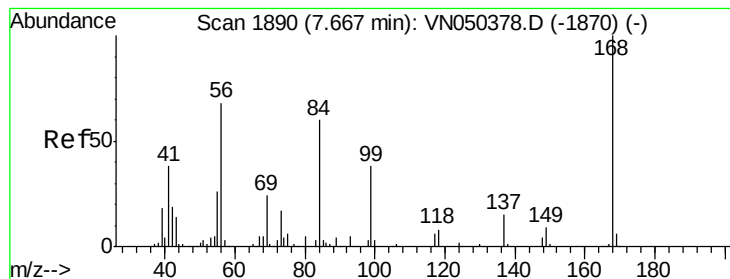
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

Instrument :

MSVOA_N

ClientSampled :

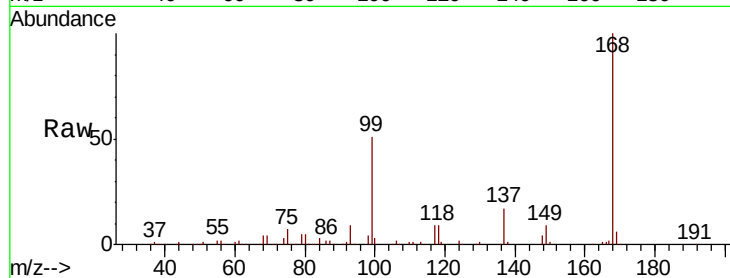
SV30518L

Tot Ion:168 Resp: 631931

Ion Ratio Lower Upper

168 100

99 50.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

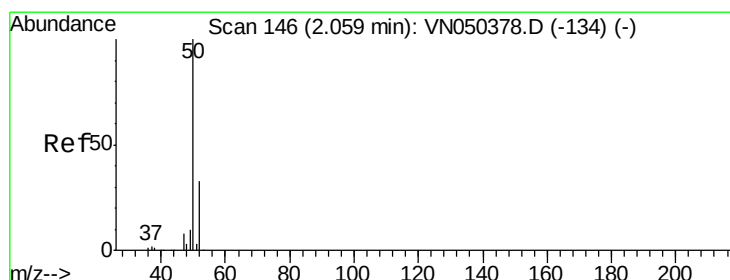
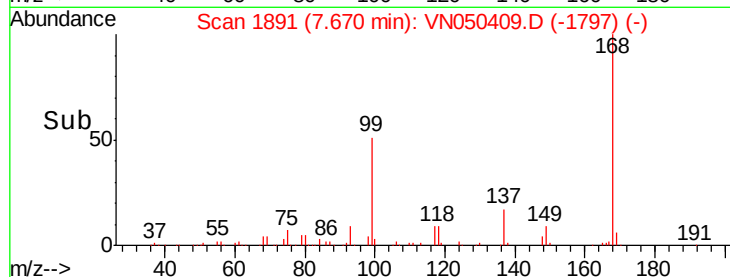
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050409.D

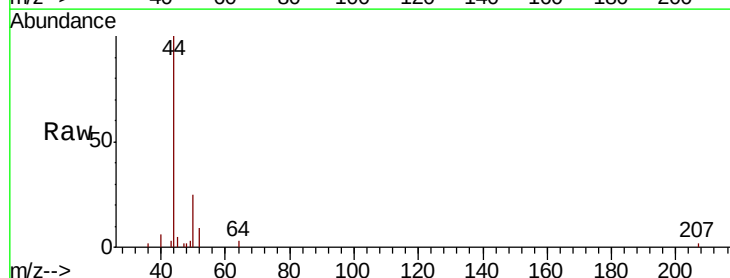
Acq: 7 Aug 2018 2:38

Tgt Ion: 50 Resp: 3669

Ion Ratio Lower Upper

50 100

52 36.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2500

2000

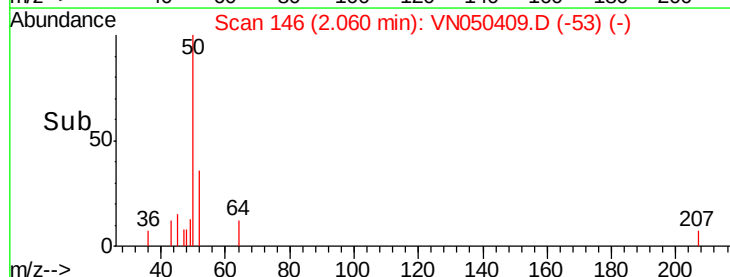
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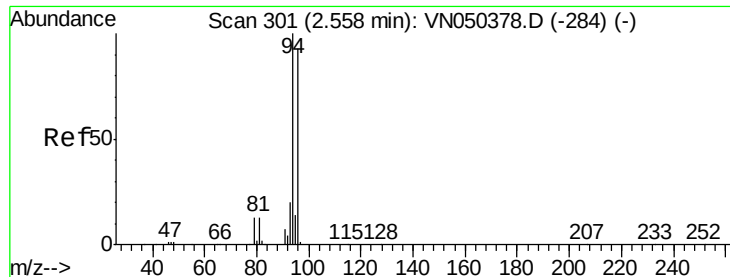
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.29 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

Instrument :

MSVOA_N

ClientSampled :

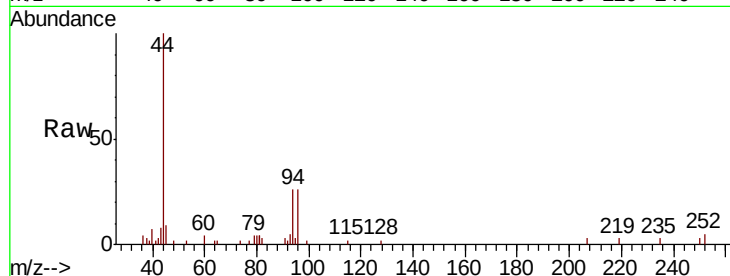
SV30518L

Tot Ion: 94 Resp: 4930

Ion Ratio Lower Upper

94 100

96 101.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)

2.57

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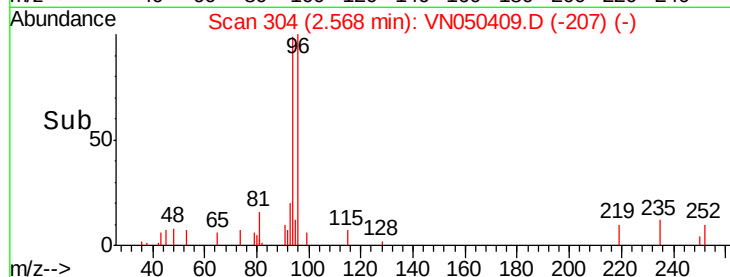
2.57

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2.57



#10

Methyl Iodide

Concen: 0.43 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

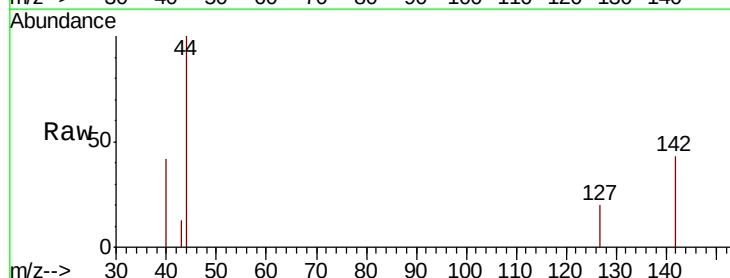
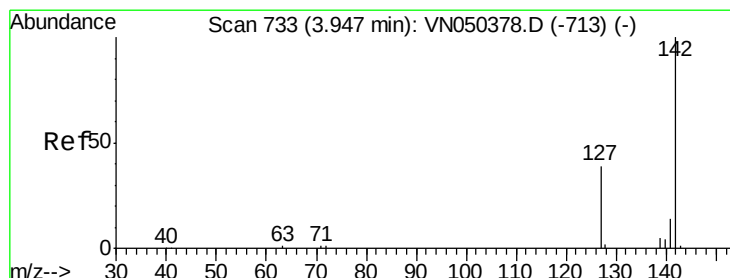
Tgt Ion: 142 Resp: 1368

Ion Ratio Lower Upper

142 100

127 18.6 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)

3.96

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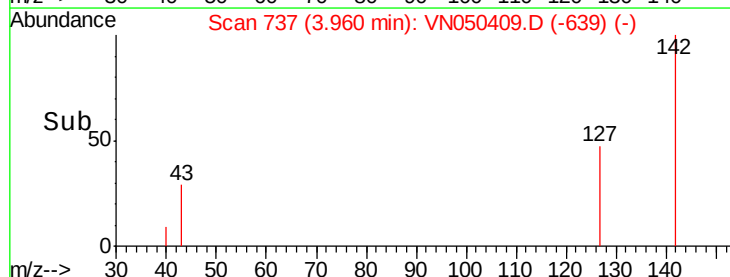
3.96

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3.96

3.96



Abundance Ion 141.80 (141.50 to 142.50): VN050409.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050409.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050409.D (-639) (-)

3.96

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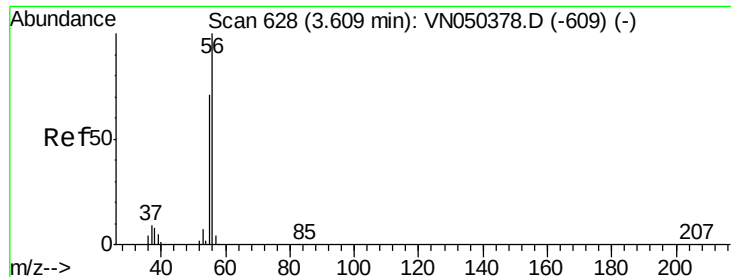
3.96

3.96

3.96

3.96

3.96



#13

Acrolein

Concen: 15.10 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

Instrument :

MSVOA_N

ClientSampleId :

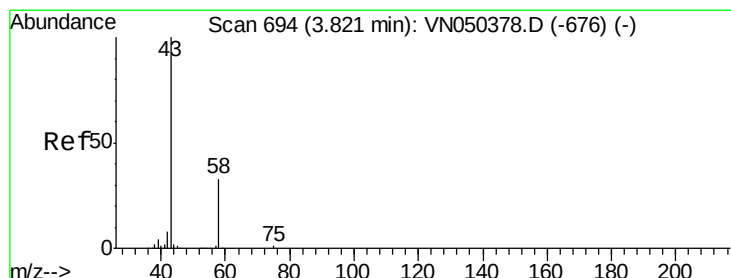
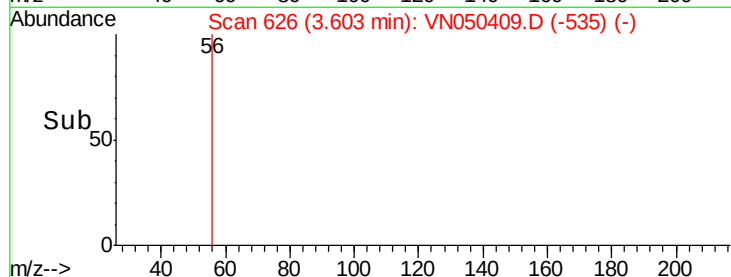
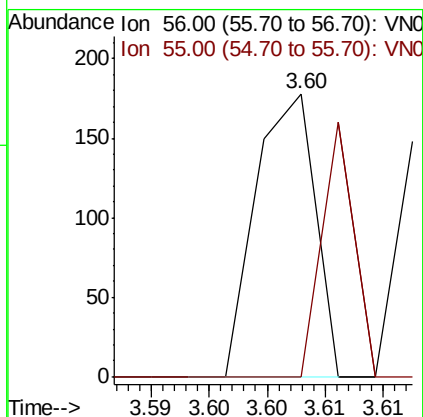
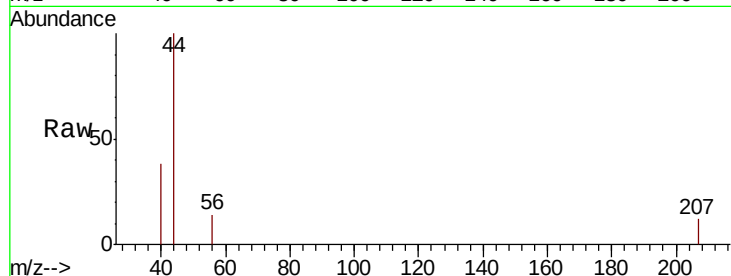
SV30518L

Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 49.2 55.8 83.6#



#16

Acetone

Concen: 3.17 ug/l

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN050409.D

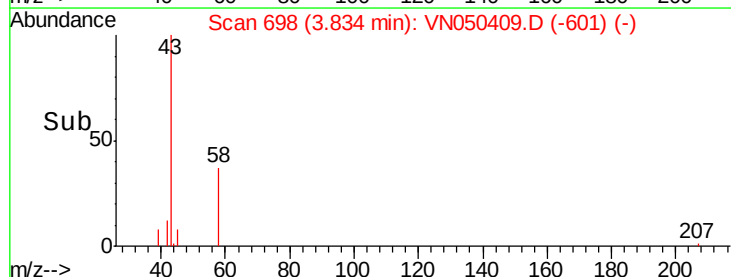
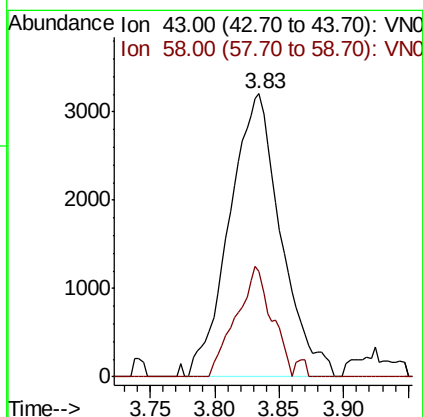
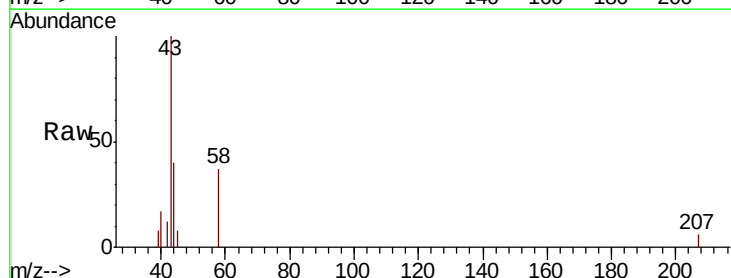
Acq: 7 Aug 2018 2:38

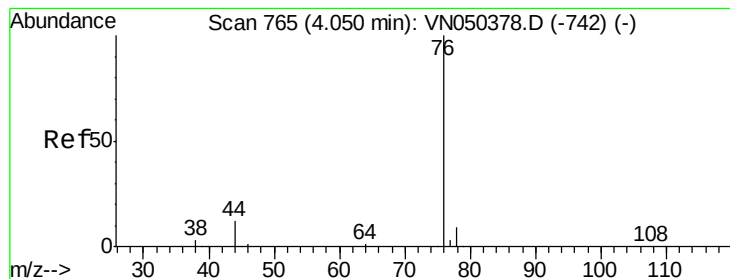
Tgt Ion: 43 Resp: 8885

Ion Ratio Lower Upper

43 100

58 37.2 25.8 38.8





#17

Carbon Disulfide

Concen: 0.26 ua/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

Instrument :

MSVOA_N

ClientSampleId :

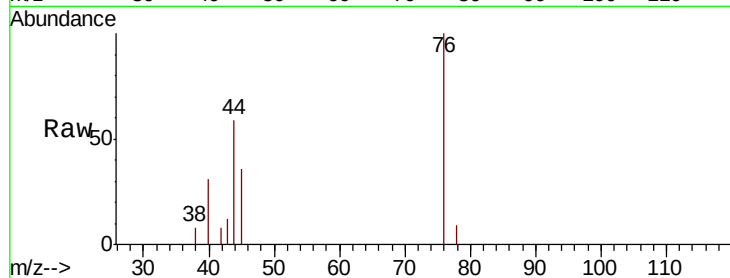
SV30518L

Tot Ion: 76 Resp: 5671

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050378.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN050378.D (-742) (-)

4.05

2500

2000

1500

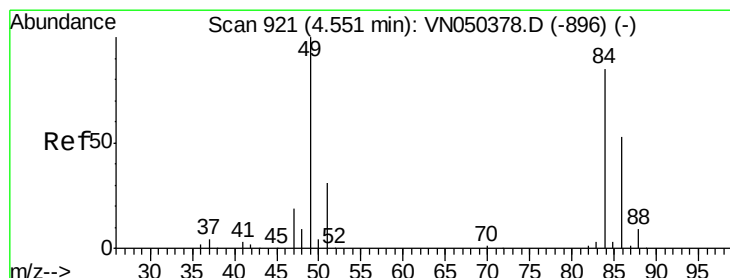
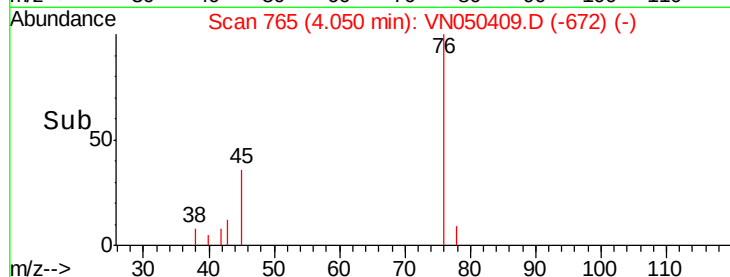
1000

500

0

4.00 4.05 4.10

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

Tgt Ion: 84 Resp: 7222

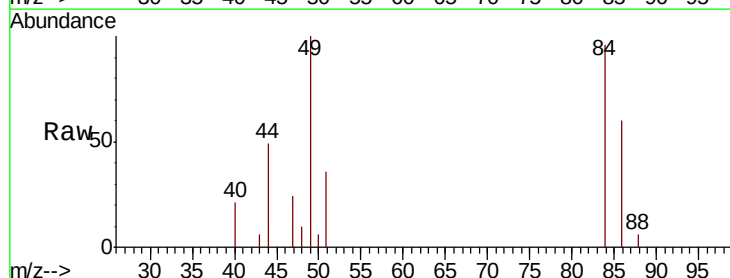
Ion Ratio Lower Upper

84 100

49 104.3 94.8 142.2

51 37.6 28.3 42.5

86 62.6 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VN050378.D (-896) (-)

Ion 48.90 (48.60 to 49.60): VN050378.D (-896) (-)

Ion 50.90 (50.60 to 51.60): VN050378.D (-896) (-)

Ion 85.90 (85.60 to 86.60): VN050378.D (-896) (-)

4000

3000

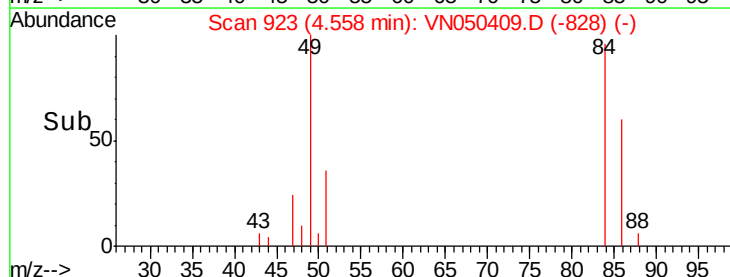
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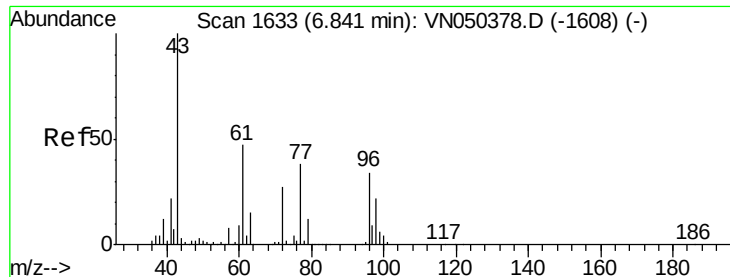
1000

0

4.45 4.50 4.55 4.60 4.65

Time-->

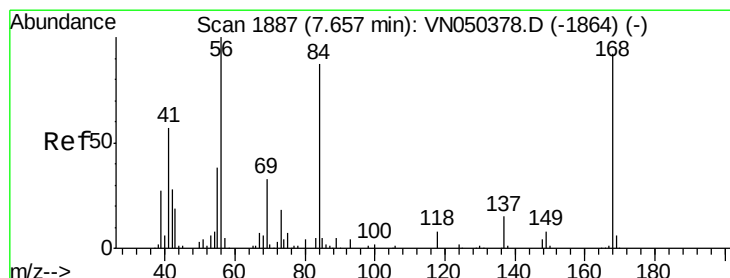
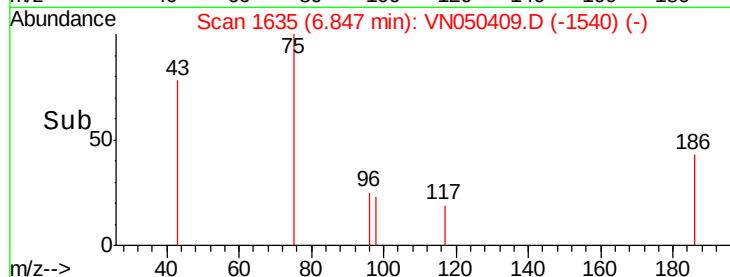
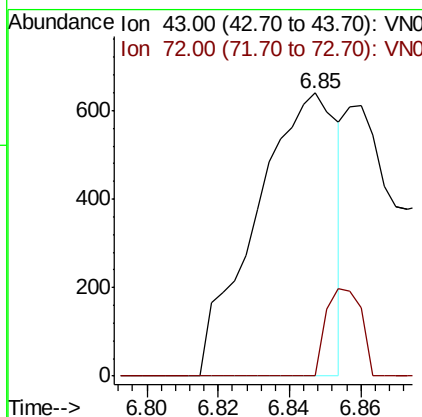
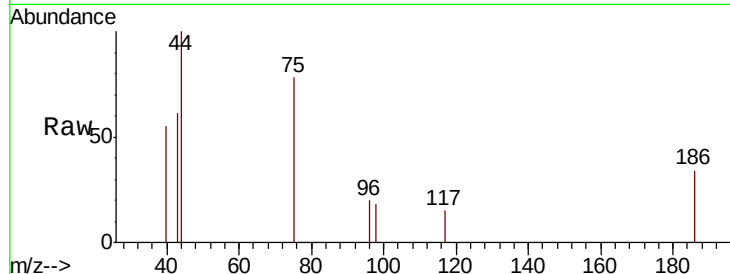




#25
2-Butanone
Concen: 0.24 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN050409.D
Acq: 7 Aug 2018 2:38

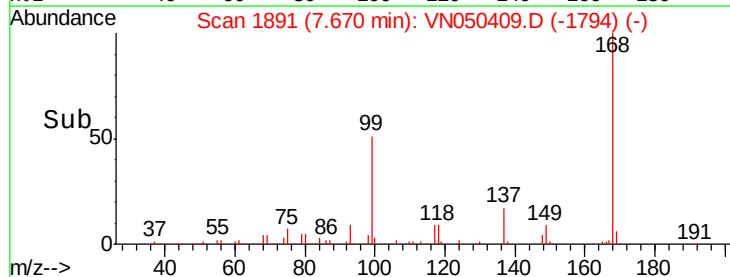
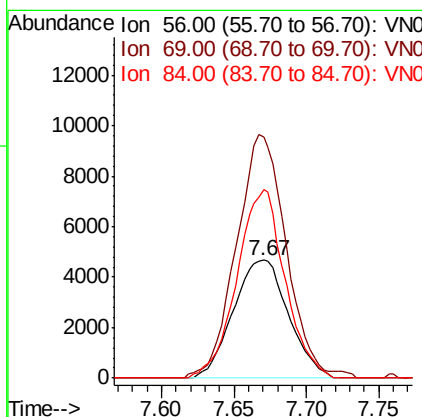
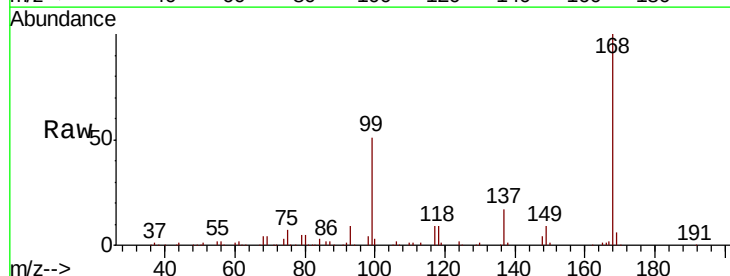
Instrument :
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SV30518L

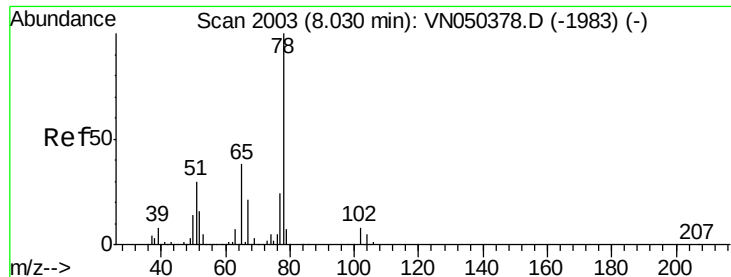
Tot Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#31
Cyclohexane
Concen: 0.40 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050409.D
Acq: 7 Aug 2018 2:38

Tgt Ion: 56 Resp: 12356
Ion Ratio Lower Upper
56 100
69 201.2 26.2 39.4#
84 159.9 67.4 101.0#

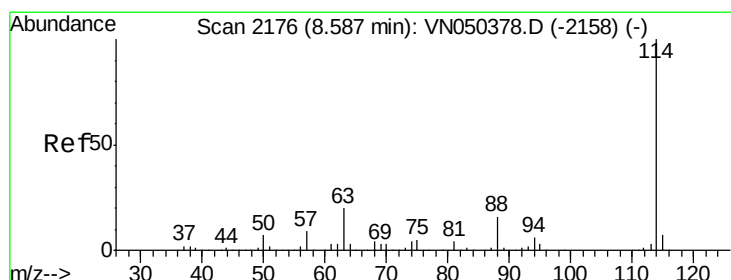
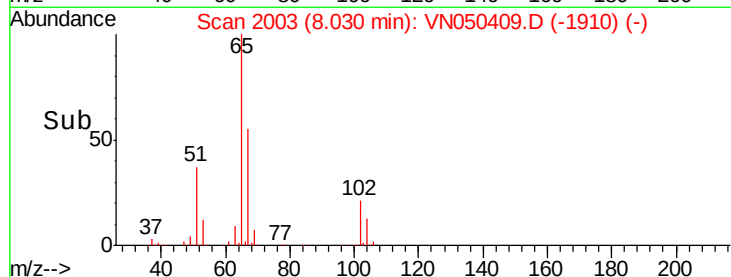
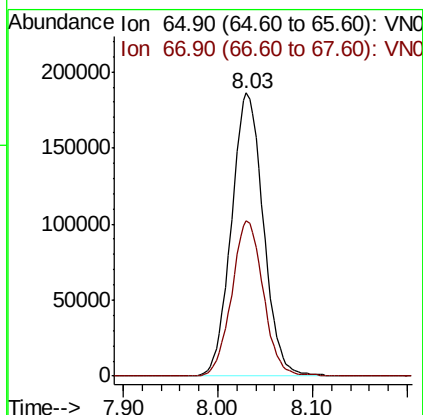
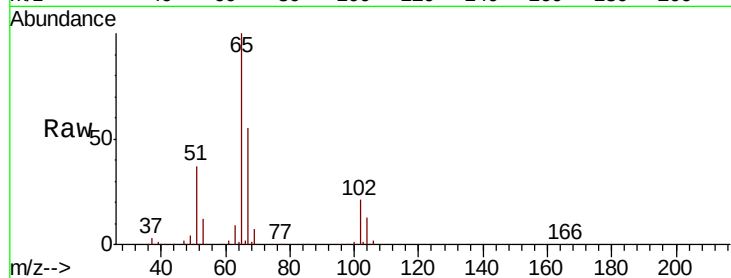




#33
 1,2-Dichloroethane-d4
 Concen: 51.71 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050409.D
 Acq: 7 Aug 2018 2:38

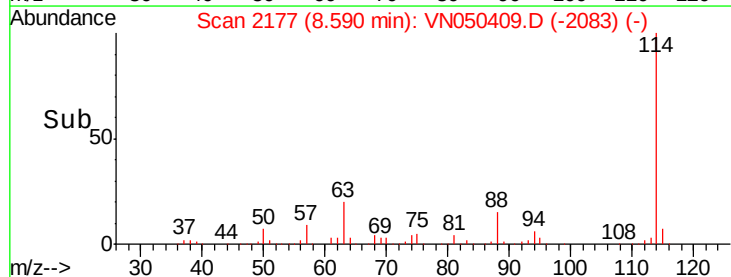
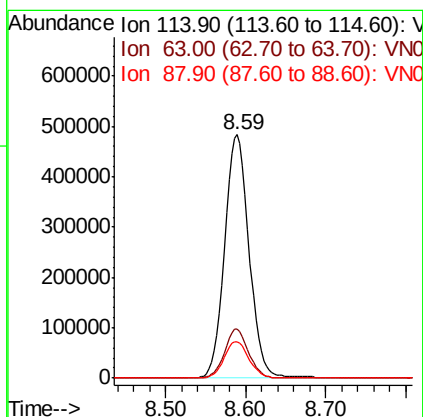
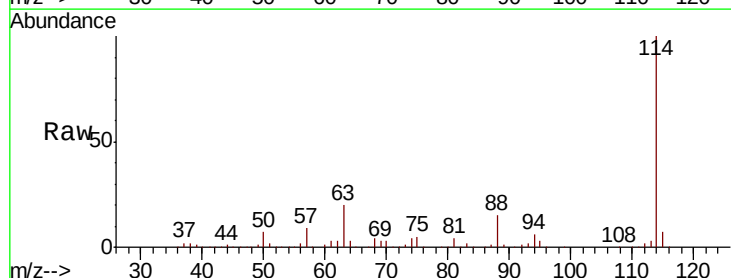
Instrument :
 MSVOA_N
 ClientSampleId :
 SV30518L

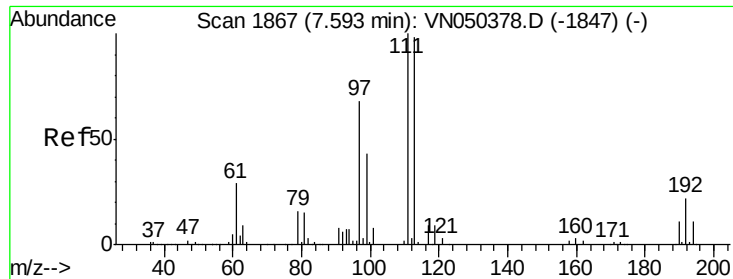
Tot Ion: 65 Resp: 436568
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050409.D
 Acq: 7 Aug 2018 2:38

Tgt Ion: 114 Resp: 1012946
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.1 0.0 31.2

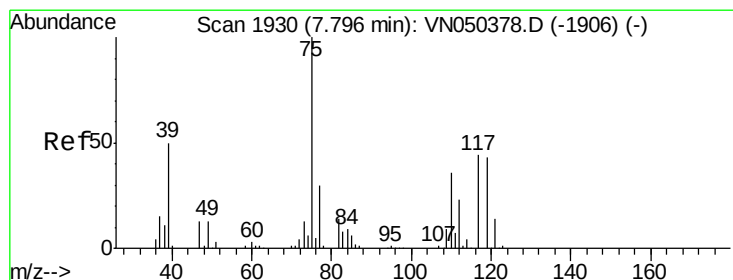
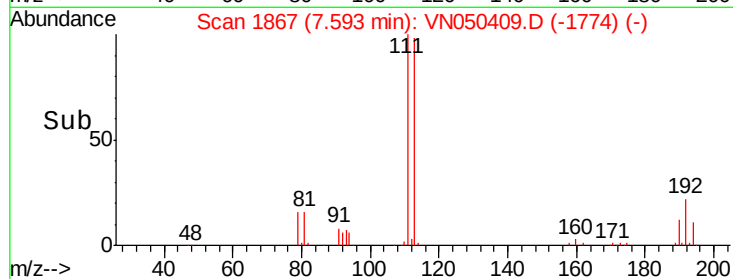
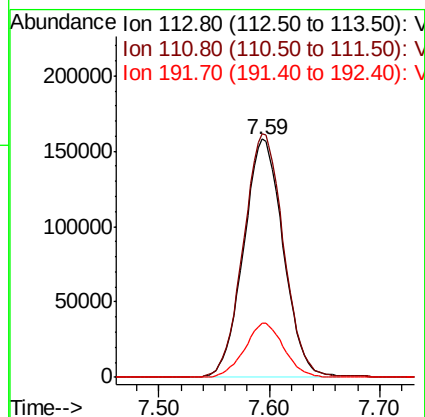
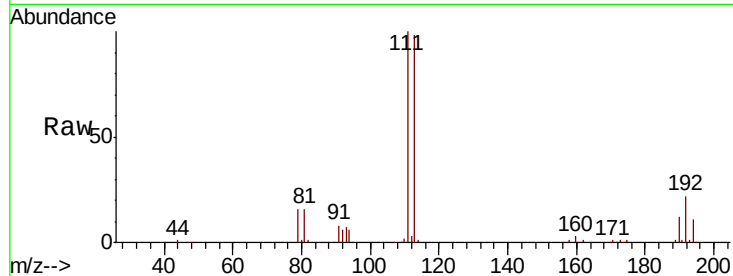




#35
 Dibromofluoromethane
 Concen: 48.46 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050409.D
 Acq: 7 Aug 2018 2:38

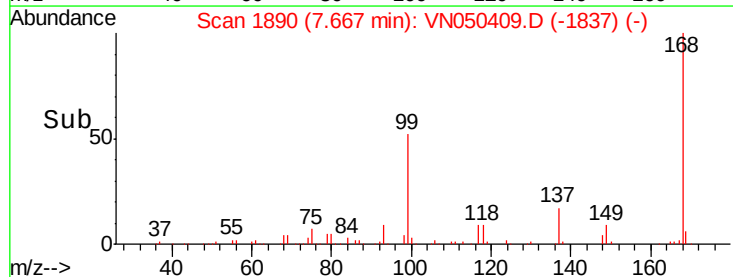
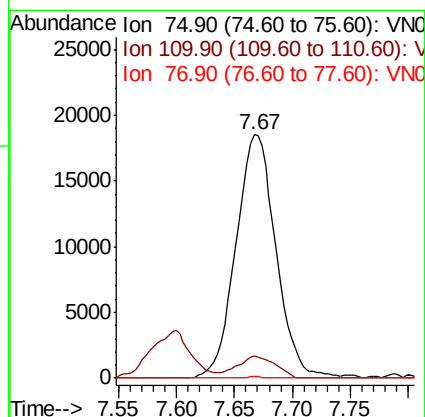
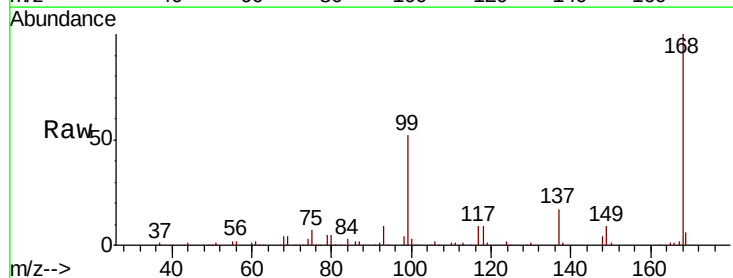
Instrument :
 MSVOA_N
 ClientSampleId :
 SV30518L

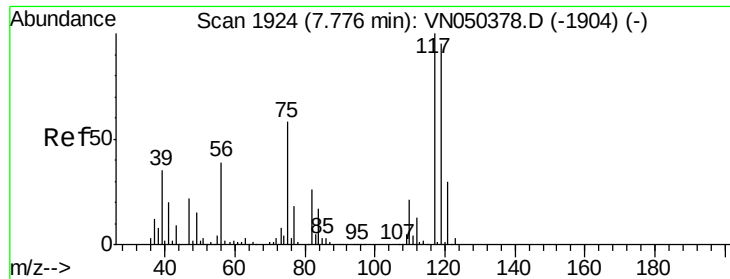
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.7	121.1
192	22.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.99 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050409.D
 Acq: 7 Aug 2018 2:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.4	55.2#
77	0.2	25.3	37.9#

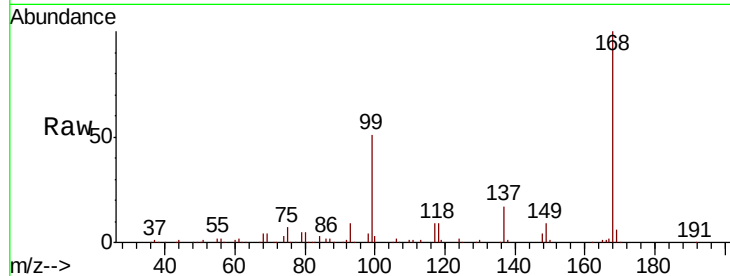




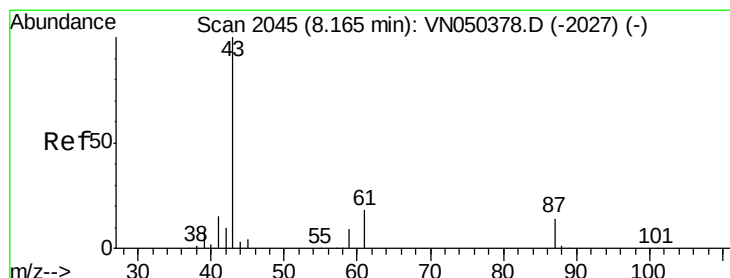
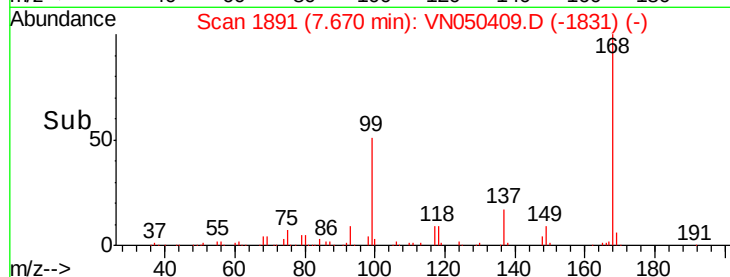
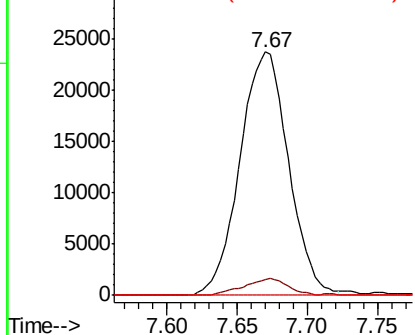
#38
Carbon Tetrachloride
Concen: 4.92 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050409.D
Acq: 7 Aug 2018 2:38

Instrument :
MSVOA_N
ClientSampled :
SV30518L

Tot Ion:117 Resp: 57119
Ion Ratio Lower Upper
117 100
119 6.7 77.4 116.0#
121 0.0 23.9 35.9#

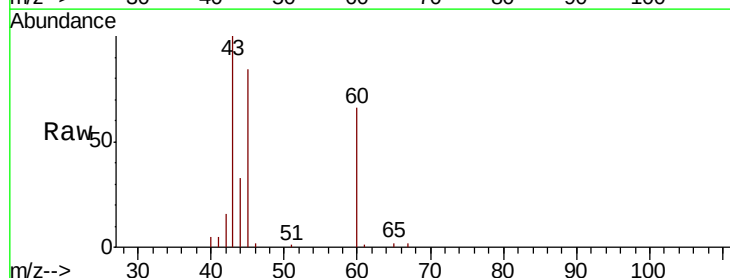


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

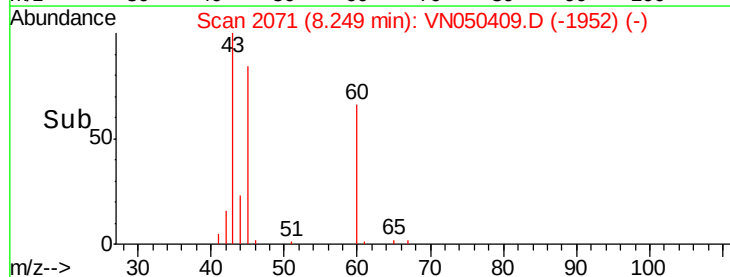
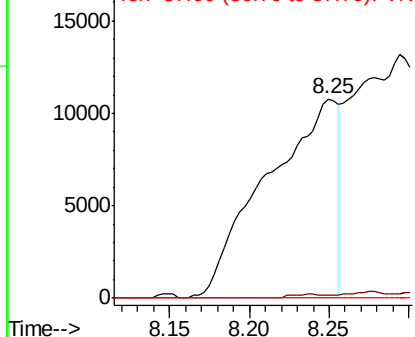


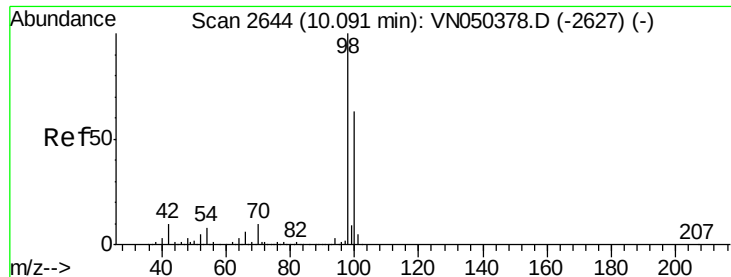
#43
Isopropyl Acetate
Concen: 2.40 ug/l
RT: 8.25 min Scan# 2071
Delta R.T. 0.08 min
Lab File: VN050409.D
Acq: 7 Aug 2018 2:38

Tgt Ion: 43 Resp: 33210
Ion Ratio Lower Upper
43 100
61 1.0 15.8 23.6#
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 46.40 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

Instrument :

MSVOA_N

ClientSampleId :

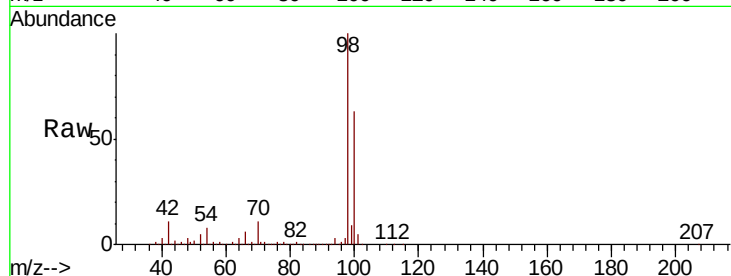
SV30518L

Tot Ion: 98 Resp: 1417887

Ion Ratio Lower Upper

98 100

100 62.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050378.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050378.D (-2627) (-)

10.09

800000

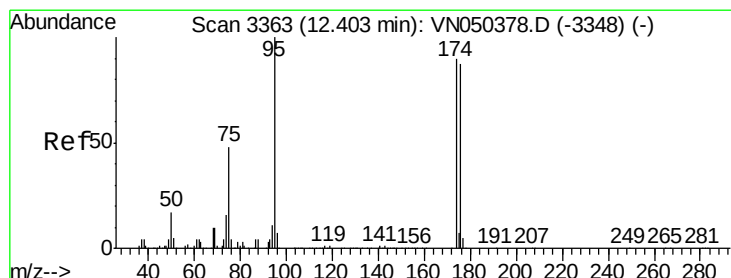
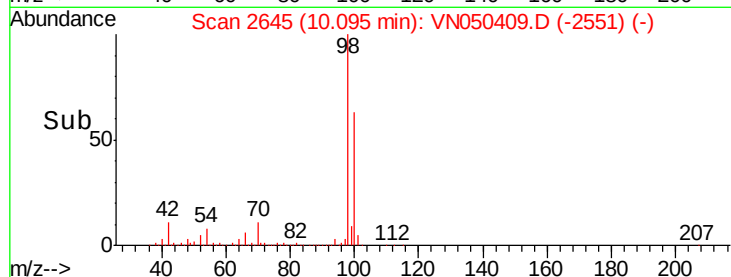
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 38.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

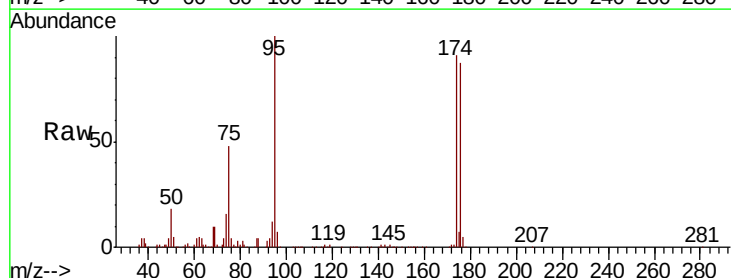
Tgt Ion: 95 Resp: 404652

Ion Ratio Lower Upper

95 100

174 91.8 0.0 178.2

176 87.6 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050378.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050378.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050378.D (-3348) (-)

12.40

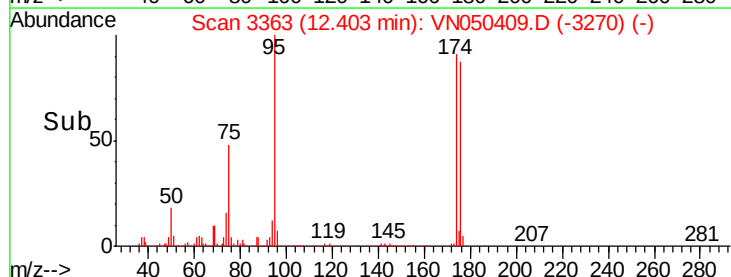
300000

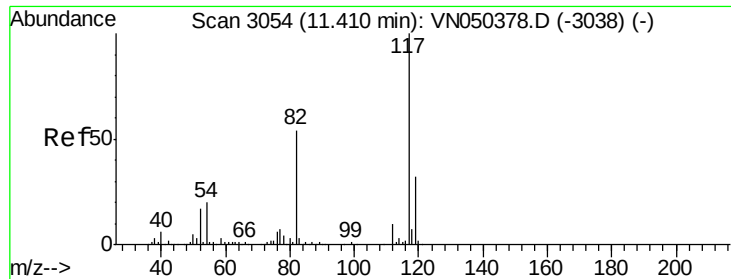
200000

100000

0

Time-->

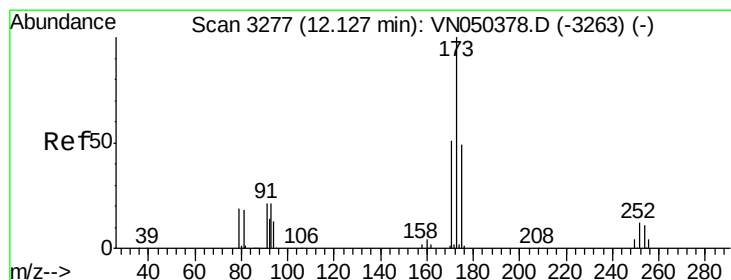
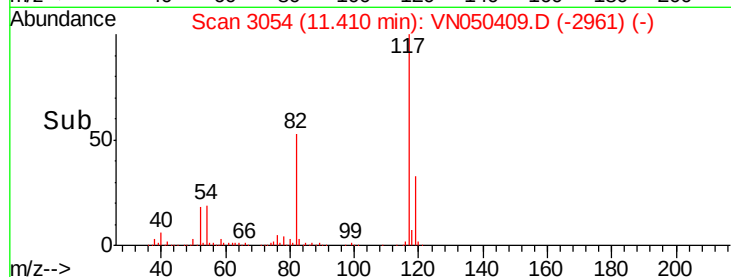
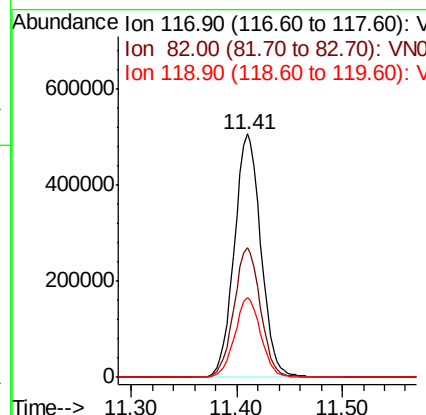
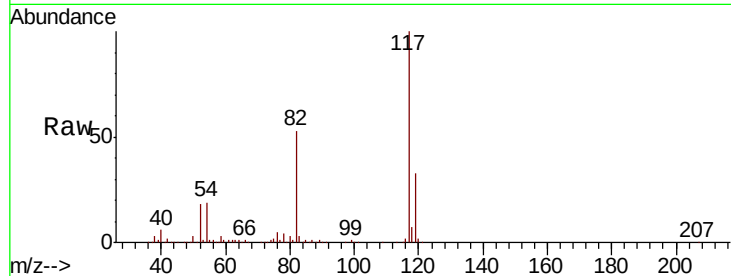




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050409.D
Acq: 7 Aug 2018 2:38

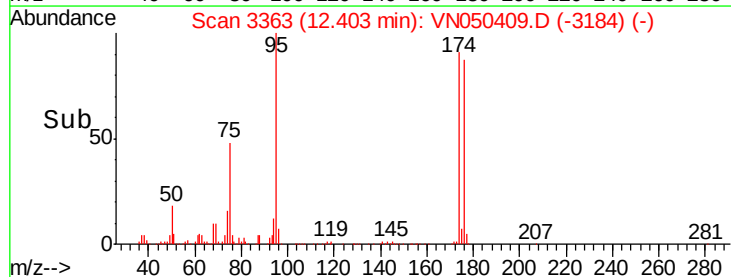
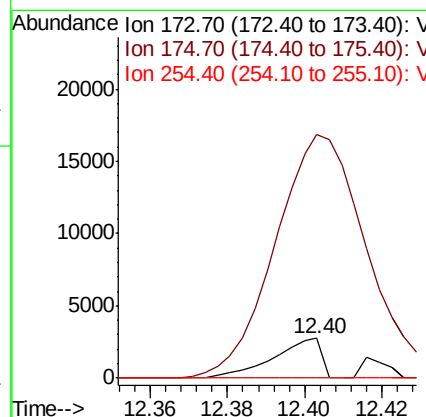
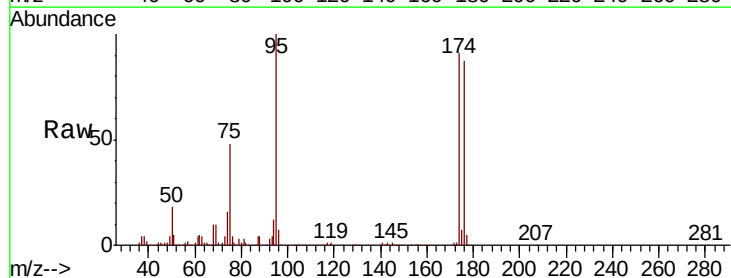
Instrument :
MSVOA_N
ClientSampleId :
SV30518L

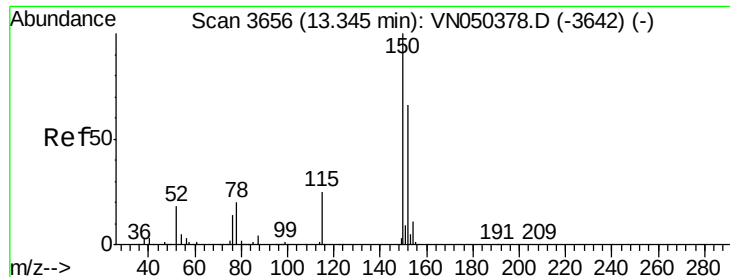
Tot Ion:117 Resp: 882089
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 32.8 26.1 39.1



#71
Bromoform
Concen: 0.41 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050409.D
Acq: 7 Aug 2018 2:38

Tgt Ion:173 Resp: 2383
Ion Ratio Lower Upper
173 100
175 951.6 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

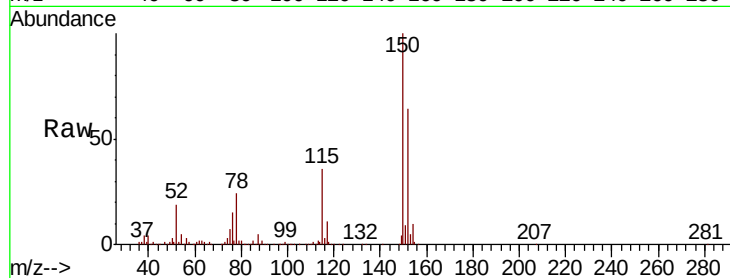
Tot Ion:152 Resp: 365591

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

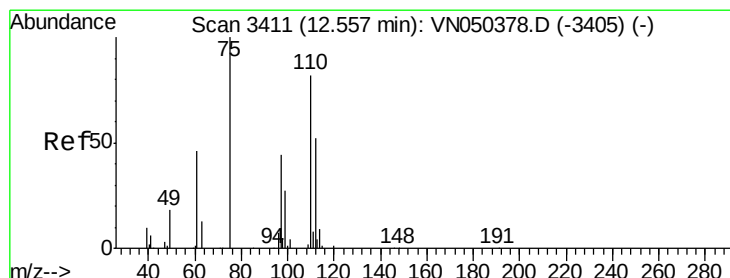
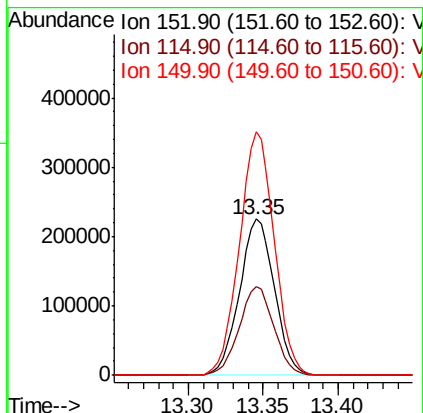
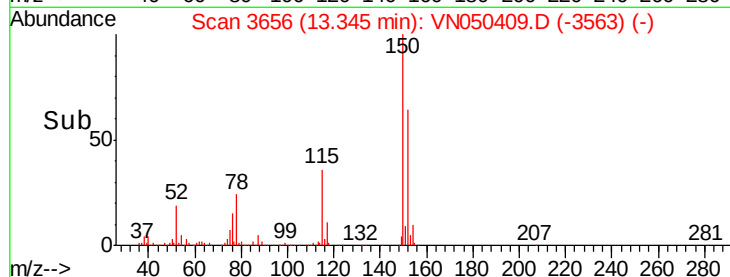
150 155.4 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.50 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050409.D

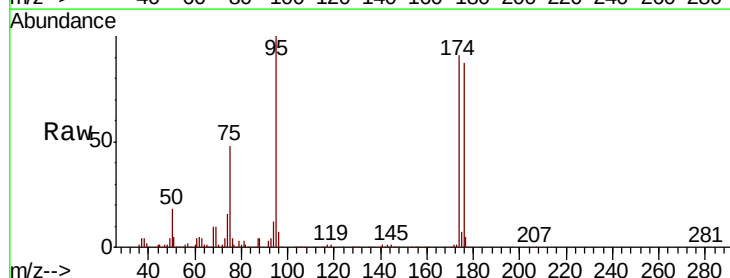
Acq: 7 Aug 2018 2:38

Tgt Ion: 75 Resp: 195187

Ion Ratio Lower Upper

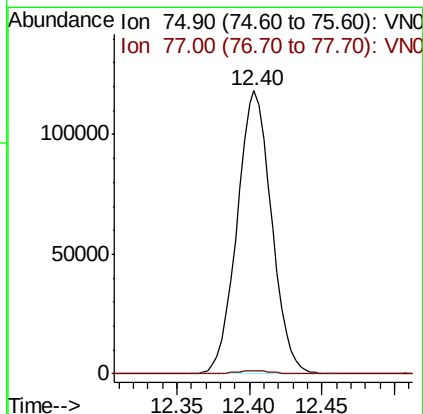
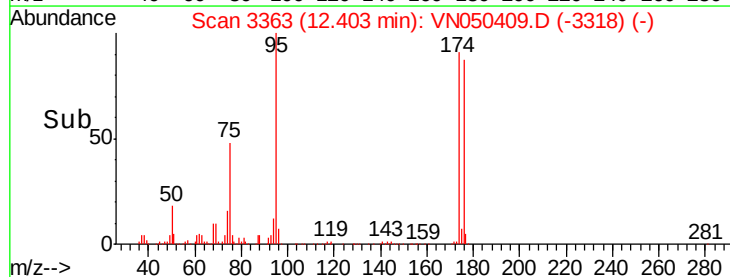
75 100

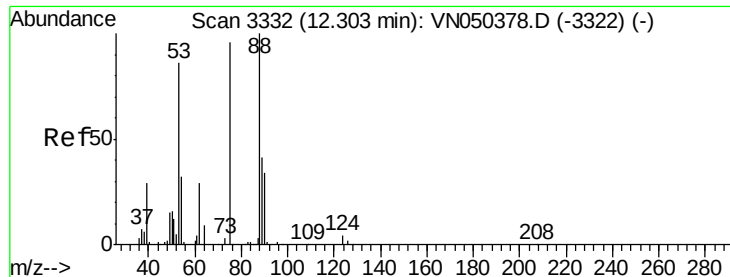
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 103.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

Instrument :

MSVOA_N

ClientSampled :

SV30518L

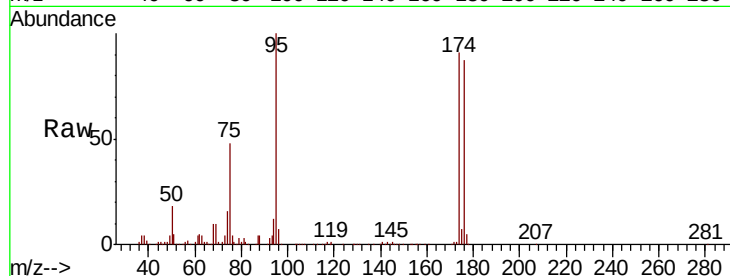
Tot Ion: 75 Resp: 195187

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

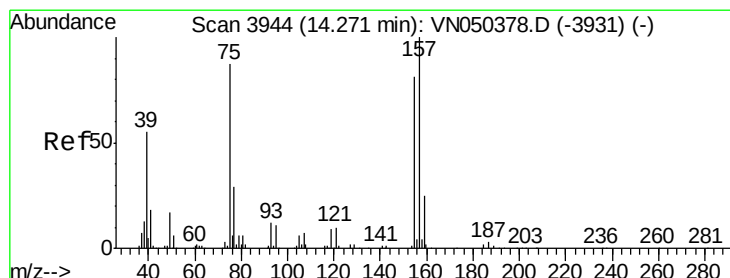
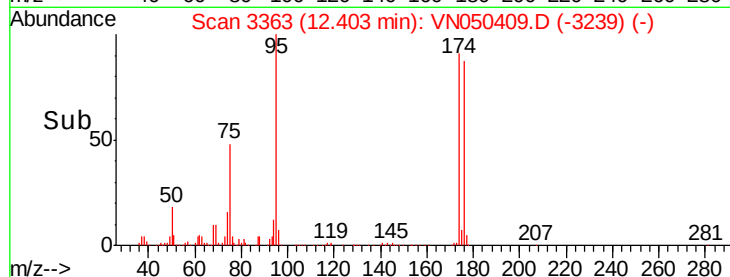
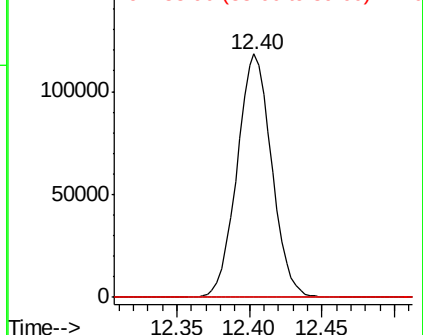
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.24 ug/l

RT: 14.47 min Scan# 4005

Delta R.T. 0.20 min

Lab File: VN050409.D

Acq: 7 Aug 2018 2:38

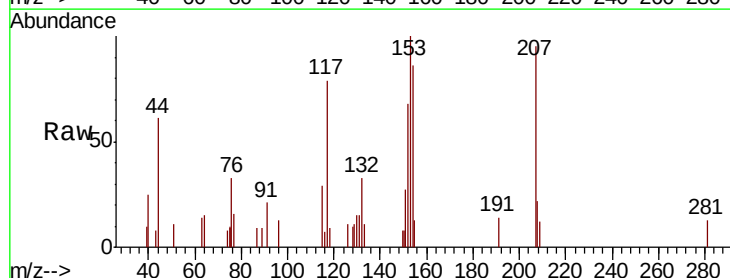
Tgt Ion: 75 Resp: 328

Ion Ratio Lower Upper

75 100

155 135.4 44.8 134.4#

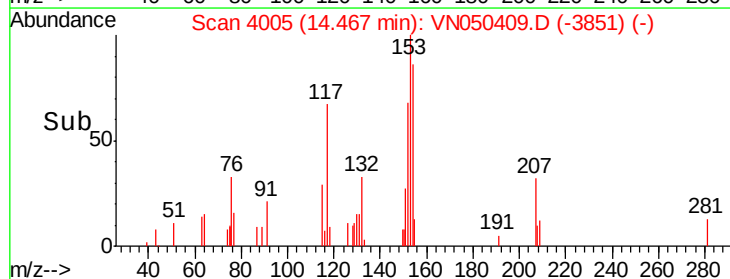
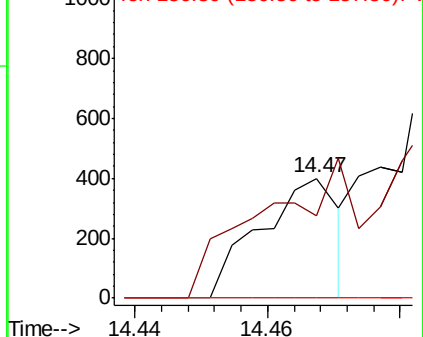
157 0.0 57.2 171.6#

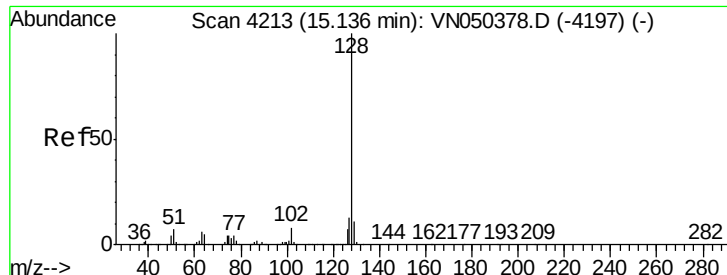


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 19.98 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050409.D
Acq: 7 Aug 2018 2:38

Instrument :
MSVOA_N
ClientSampleId :
SV30518L

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.8	13.2

