

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050439.D
 Acq On : 7 Aug 2018 18:19
 Operator : MD\SY
 Sample : J4369-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Aug 08 05:27:55 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	860094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1289663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1107240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	443937	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	528641	46.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.00%	
35) Dibromofluoromethane	7.59	113	483810	46.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.50%	
50) Toluene-d8	10.09	98	1796238	46.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.34%	
62) 4-Bromofluorobenzene	12.40	95	547193	41.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.52%	

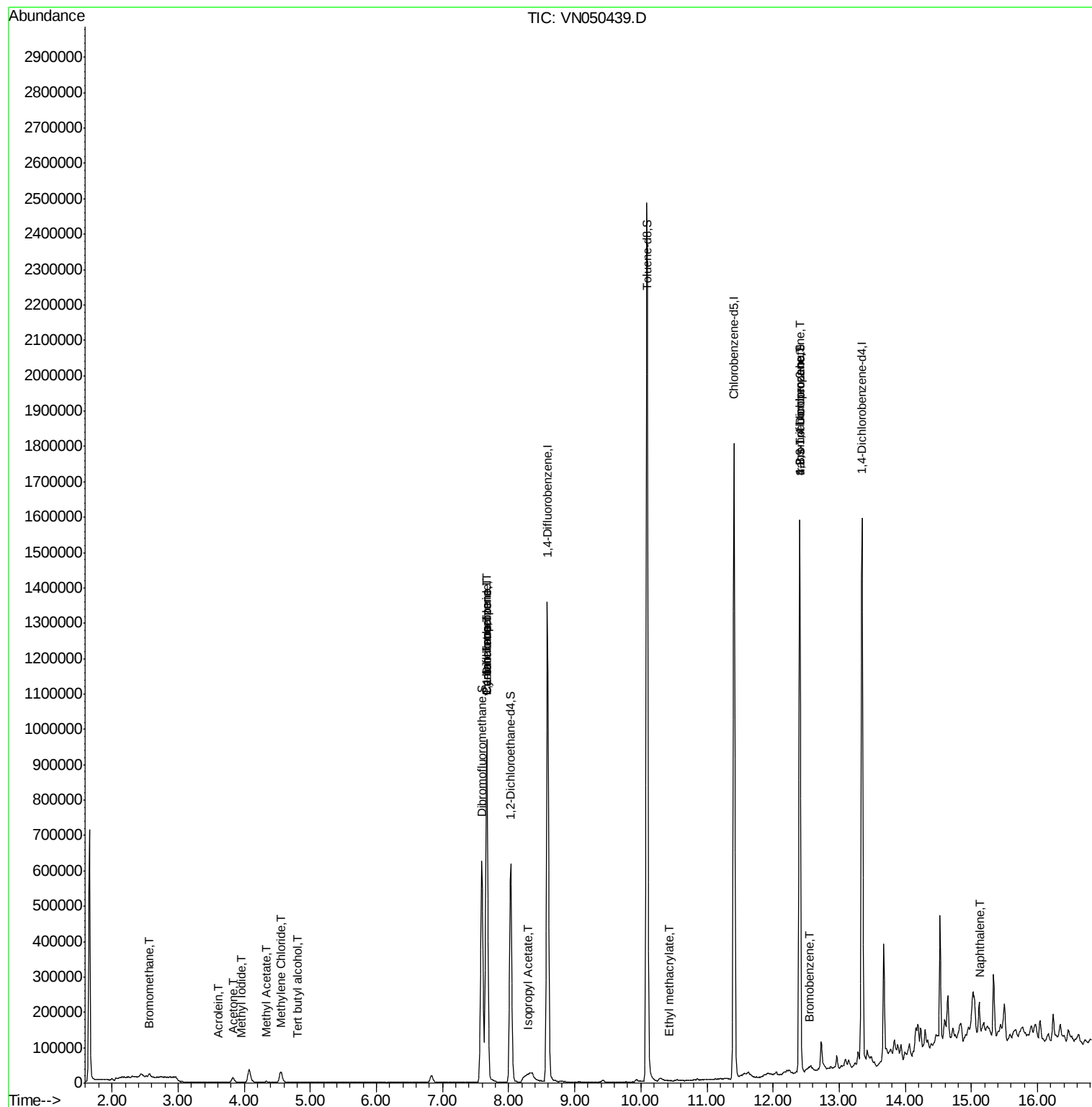
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4481	Below Cal		94
5) Bromomethane	2.57	94	4967	1.00	ug/l	87
10) Methyl Iodide	3.96	142	1042	0.24	ug/l #	78
11) Tert butyl alcohol	4.81	59	411	0.45	ug/l #	72
13) Acrolein	3.62	56	231	15.21	ug/l #	73
16) Acetone	3.82	43	23146	6.40	ug/l	100
18) Methyl Acetate	4.34	43	3936	0.25	ug/l #	90
20) Methylene Chloride	4.55	84	24234	0.79	ug/l	98
31) Cyclohexane	7.67	56	14223	0.24	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	56559	3.99	ug/l #	48
38) Carbon Tetrachloride	7.67	117	75096	5.08	ug/l #	16
43) Isopropyl Acetate	8.28	43	33788	1.92	ug/l #	61
56) Ethyl methacrylate	10.43	69	116	1.72	ug/l #	17
76) 1,2,3-Trichloropropane	12.40	75	256386	31.91	ug/l #	100
77) Bromobenzene	12.55	156	12554	1.41	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	256386	112.10	ug/l #	13
94) Hexachlorobutadiene	15.01	225	1217	Below Cal		83
95) Naphthalene	15.14	128	7142	3.93	ug/l #	80

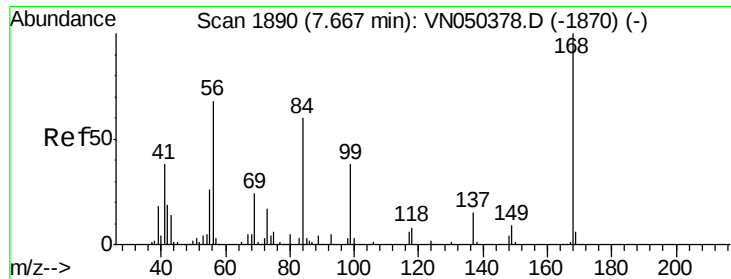
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050439.D

Acq: 7 Aug 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

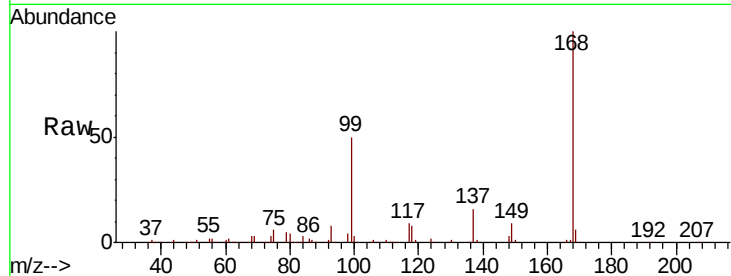
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Tot Ion:168 Resp: 860094

Ion Ratio Lower Upper

168 100

99 50.4 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

400000

300000

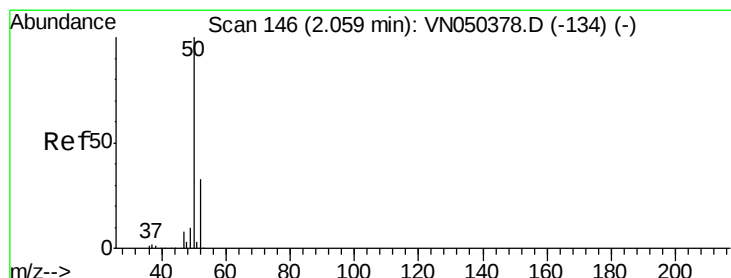
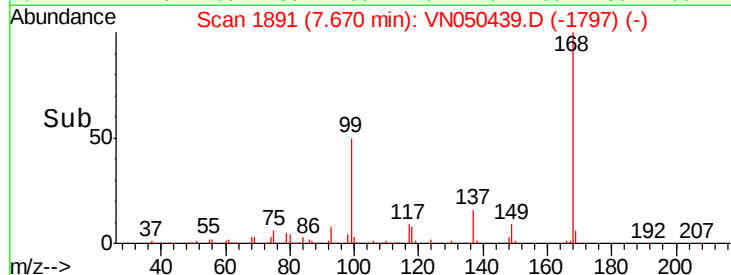
200000

100000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050439.D

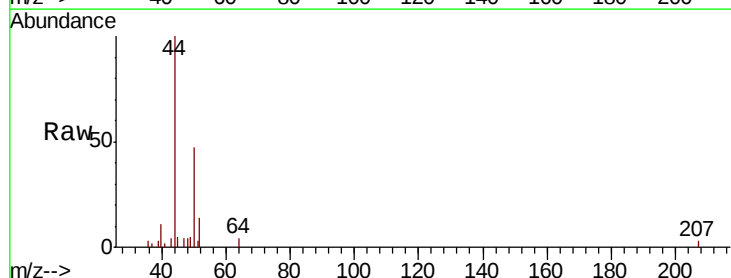
Acq: 7 Aug 2018 18:19

Tgt Ion: 50 Resp: 4481

Ion Ratio Lower Upper

50 100

52 28.9 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

4000

3000

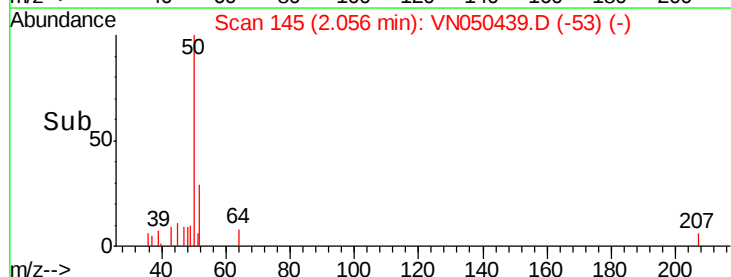
2000

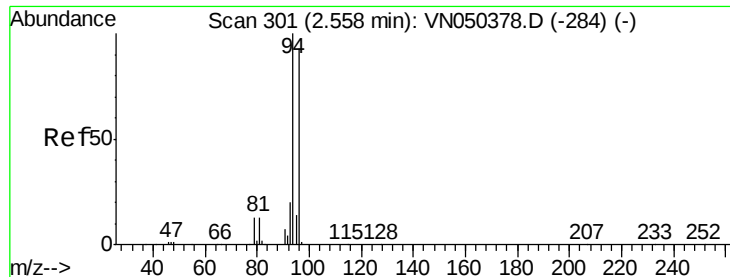
1000

0

Time-->

2.00 2.05 2.10





#5

Bromomethane

Concen: 1.00 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

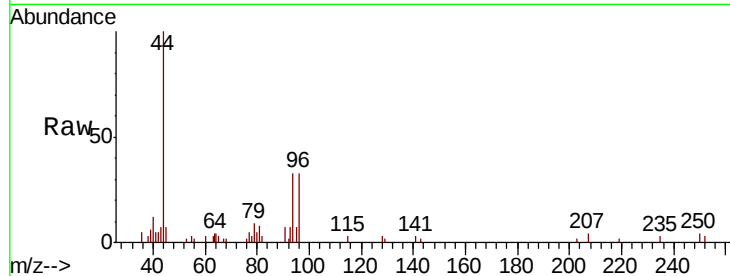
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Tot Ion: 94 Resp: 4967

Ion Ratio Lower Upper

94 100

96 105.7 74.6 112.0

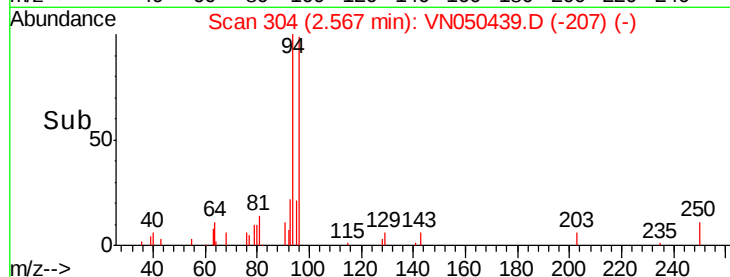


Abundance Ion 93.90 (93.60 to 94.60): VN050439.D (-207) (-)

Ion 95.90 (95.60 to 96.60): VN050439.D (-207) (-)

2.57

Time-->



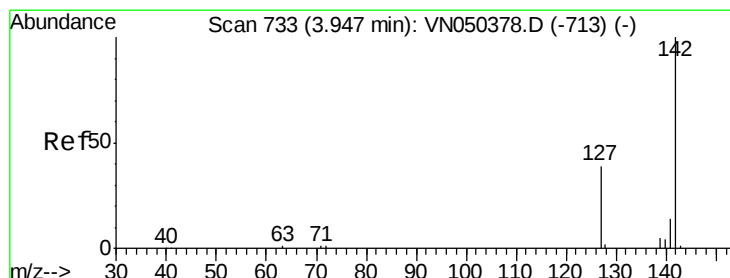
Abundance

Ion 93.90 (93.60 to 94.60): VN050439.D (-207) (-)

Ion 95.90 (95.60 to 96.60): VN050439.D (-207) (-)

2.57

Time-->



#10

Methyl Iodide

Concen: 0.24 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

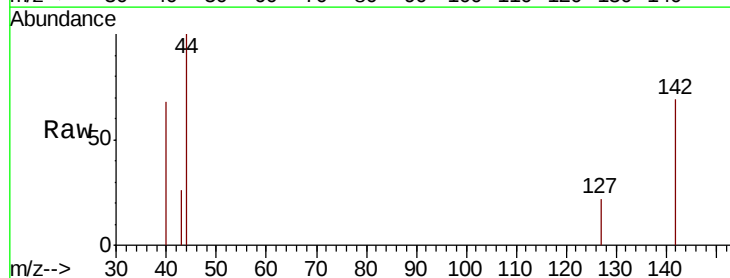
Tgt Ion: 142 Resp: 1042

Ion Ratio Lower Upper

142 100

127 30.4 33.4 50.2#

141 0.0 11.6 17.4#



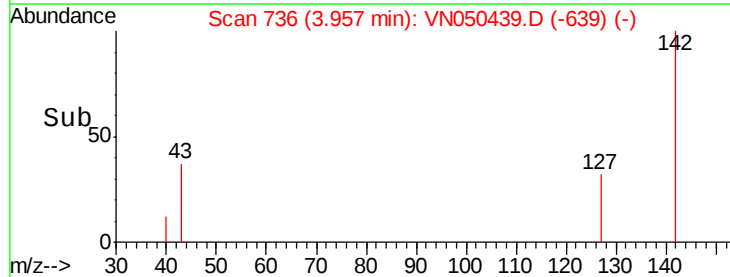
Abundance Ion 141.80 (141.50 to 142.50): VN050439.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050439.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050439.D (-639) (-)

3.96

Time-->



Abundance

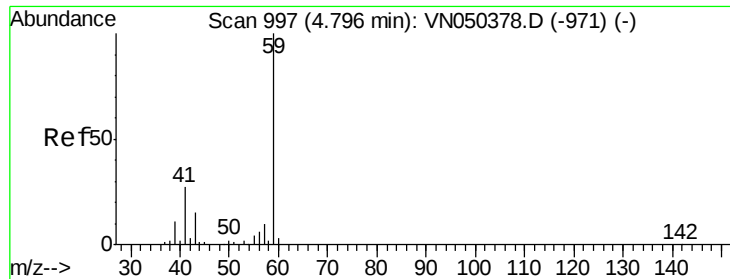
Ion 141.80 (141.50 to 142.50): VN050439.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050439.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050439.D (-639) (-)

3.96

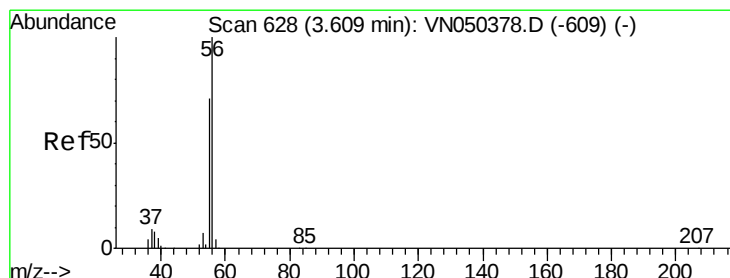
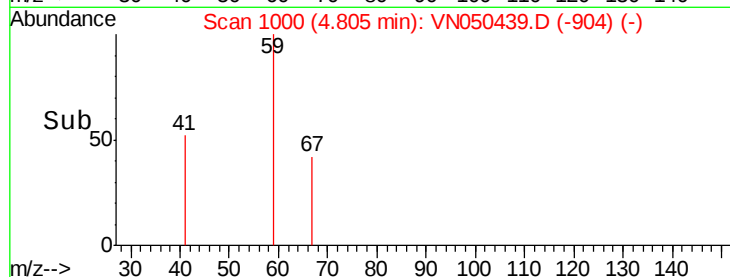
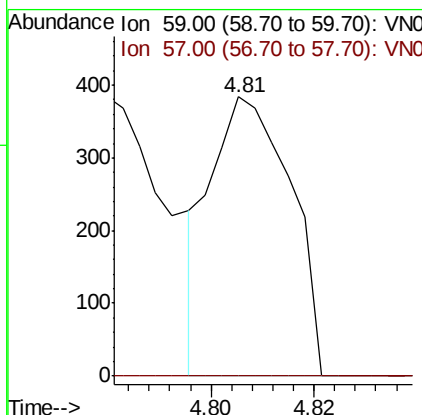
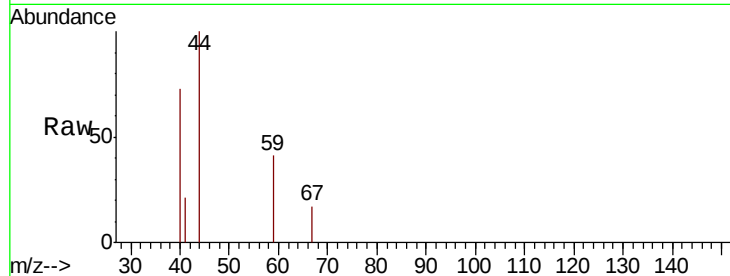
Time-->



#11
Tert butyl alcohol
Concen: 0.45 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN050439.D
Acq: 7 Aug 2018 18:19

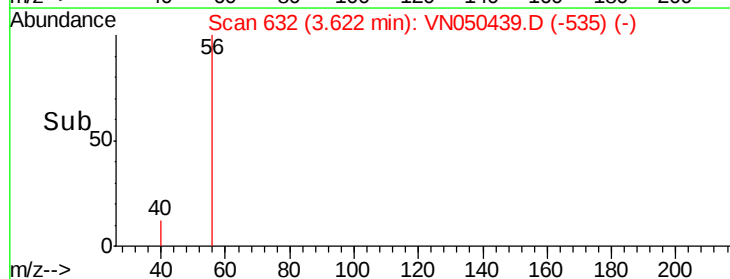
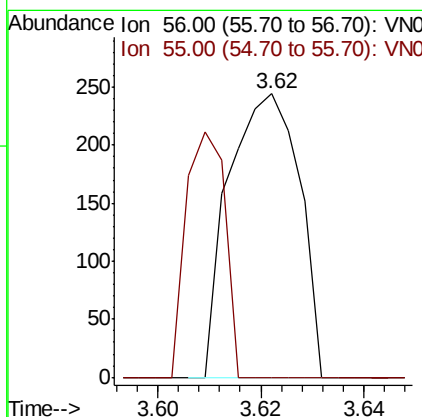
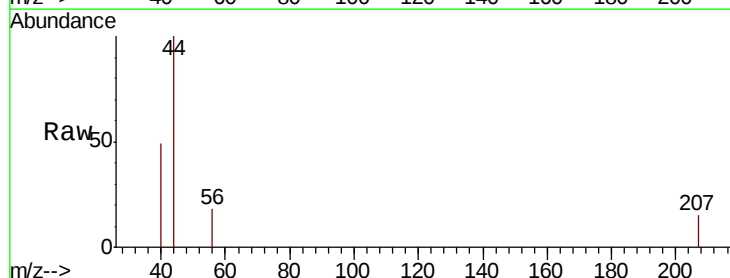
Instrument :
MSVOA_N
ClientSampleId :
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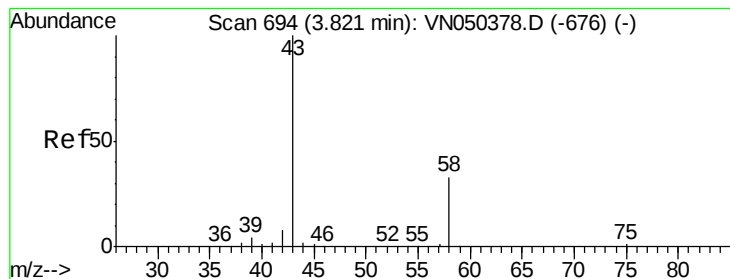
Tot Ion: 59 Resp: 411
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 15.21 ug/l
RT: 3.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN050439.D
Acq: 7 Aug 2018 18:19

Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
55 47.6 55.8 83.6#





#16

Acetone

Concen: 6.40 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

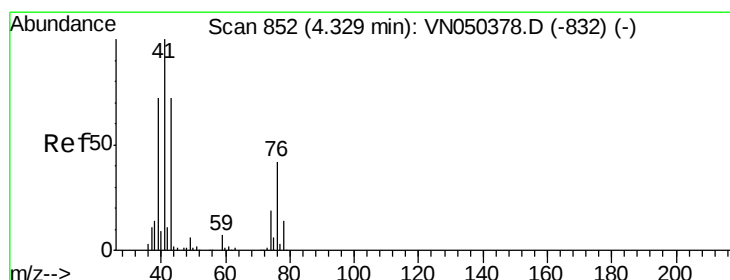
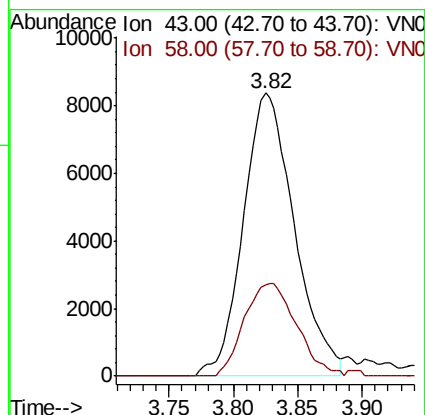
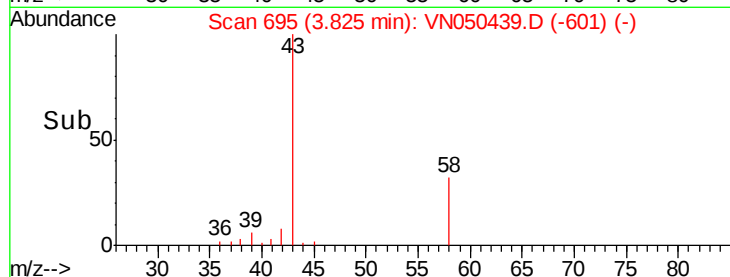
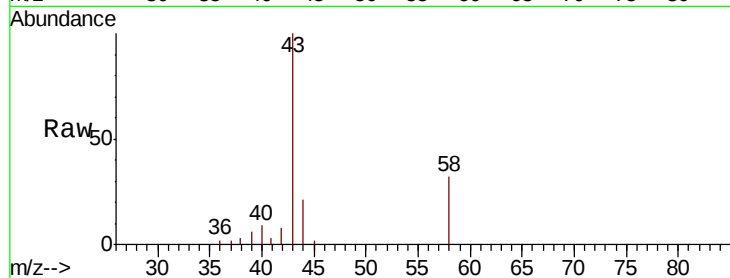
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Tot Ion: 43 Resp: 23146

Ion Ratio Lower Upper

43 100

58 32.2 25.8 38.8



#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050439.D

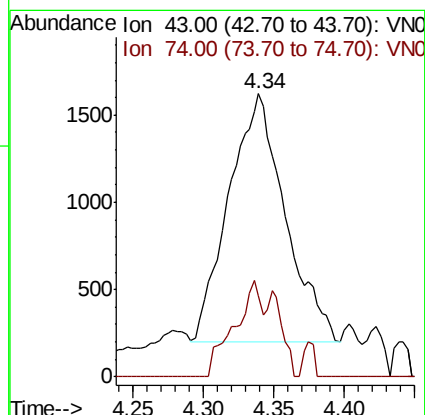
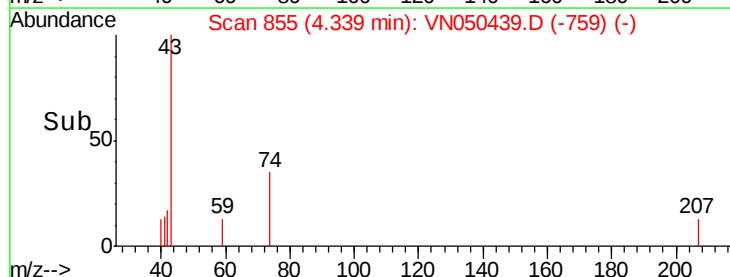
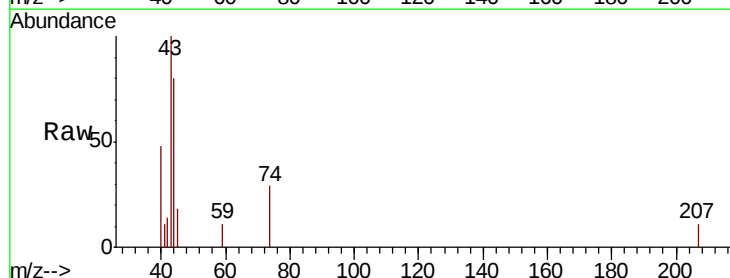
Acq: 7 Aug 2018 18:19

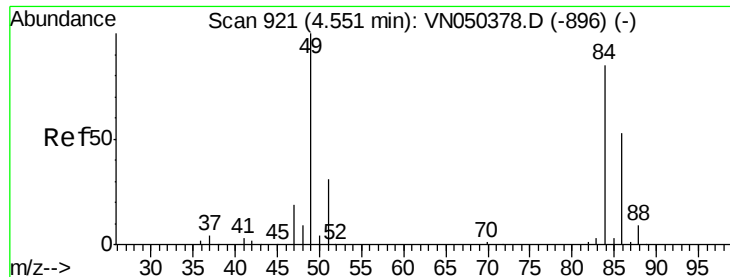
Tgt Ion: 43 Resp: 3936

Ion Ratio Lower Upper

43 100

74 19.0 19.2 28.8#

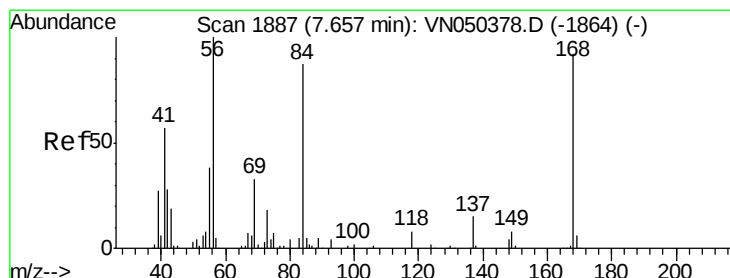
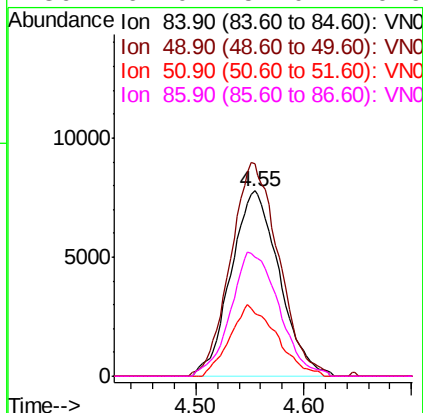
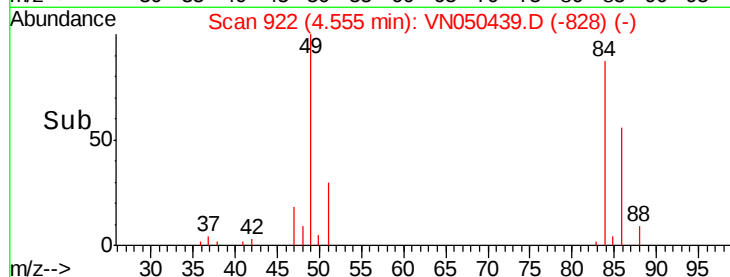
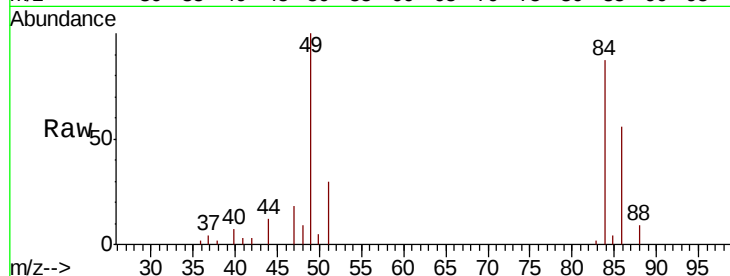




#20
Methvlene Chloride
Concen: 0.79 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050439.D
Acq: 7 Aug 2018 18:19

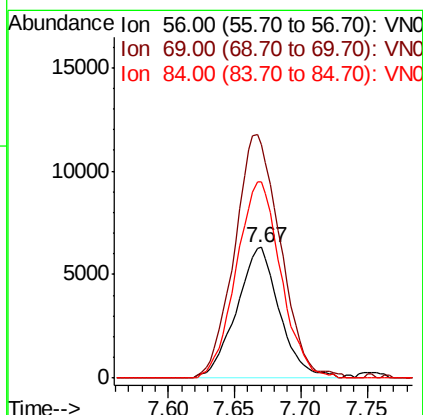
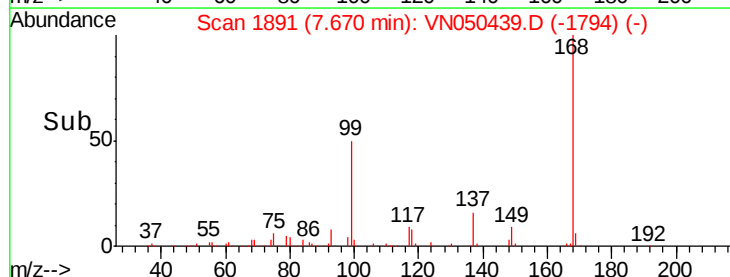
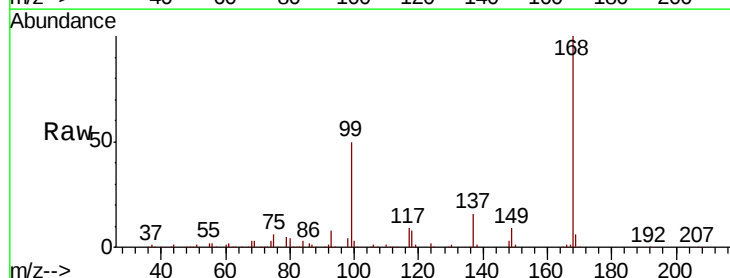
Instrument :
MSVOA_N
ClientSampled :
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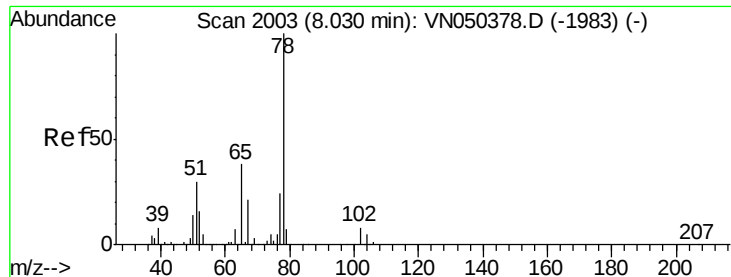
Tot Ion: 84 Resp: 24234
Ion Ratio Lower Upper
84 100
49 114.6 94.8 142.2
51 34.1 28.3 42.5
86 64.0 51.0 76.6



#31
Cyclohexane
Concen: 0.24 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050439.D
Acq: 7 Aug 2018 18:19

Tgt Ion: 56 Resp: 14223
Ion Ratio Lower Upper
56 100
69 178.9 26.2 39.4#
84 150.2 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 46.00 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

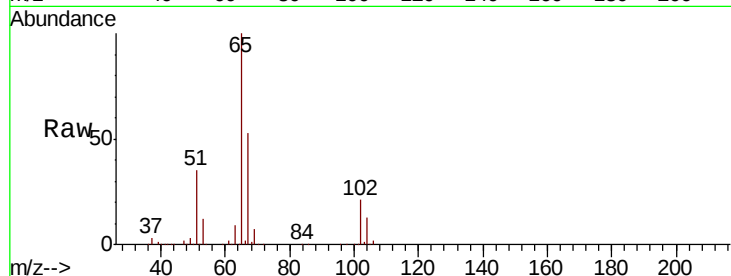
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Tot Ion: 65 Resp: 528641

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050439.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN050439.D (-1910) (-)

8.03

250000

200000

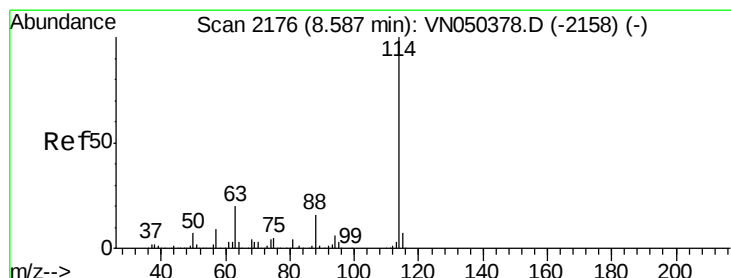
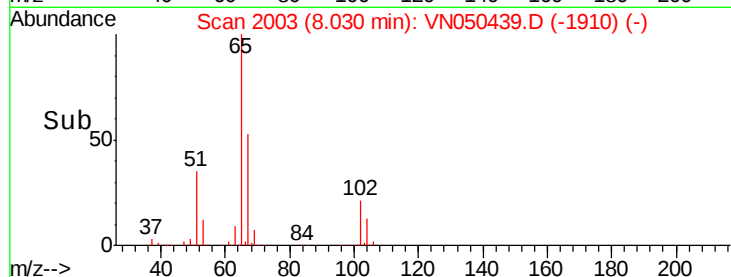
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

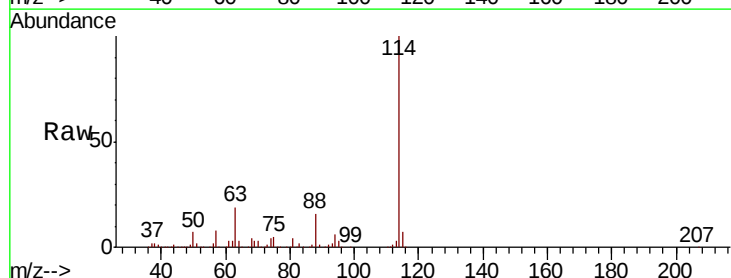
Tgt Ion: 114 Resp: 1289663

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.6 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050439.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN050439.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN050439.D (-2083) (-)

8.59

800000

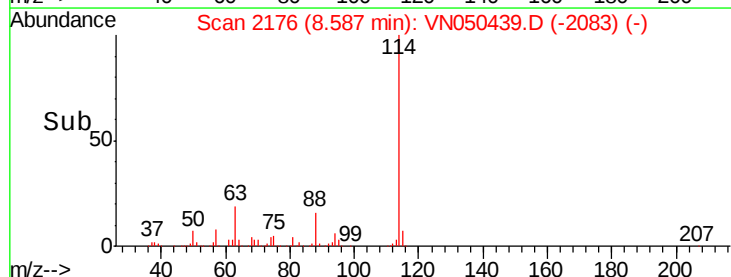
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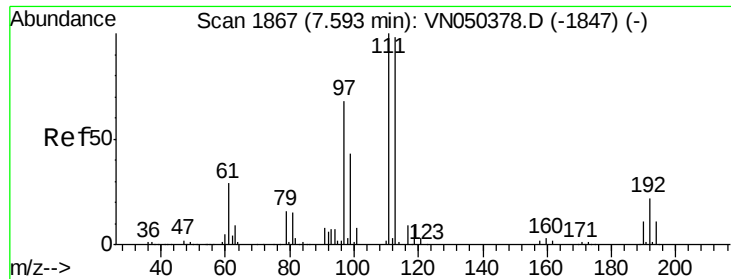
400000

200000

0

Time--> 8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 46.75 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

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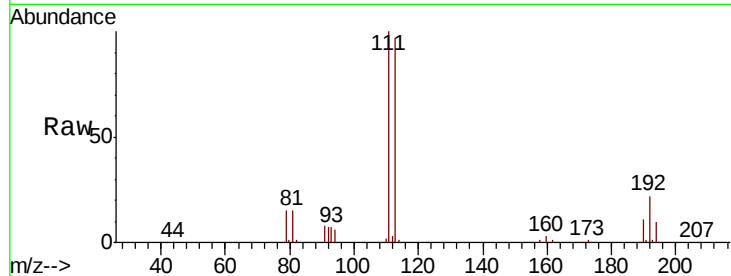
Tot Ion:113 Resp: 483810

Ion Ratio Lower Upper

113 100

111 102.5 80.7 121.1

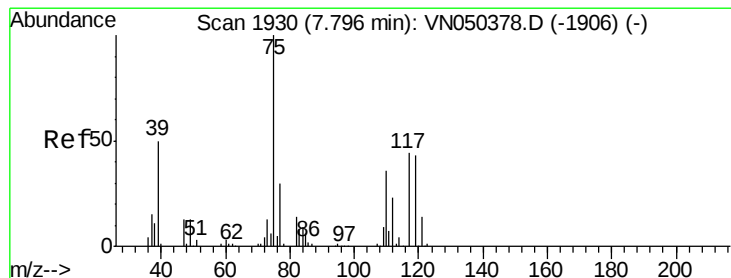
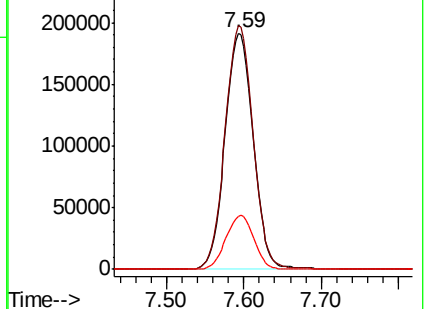
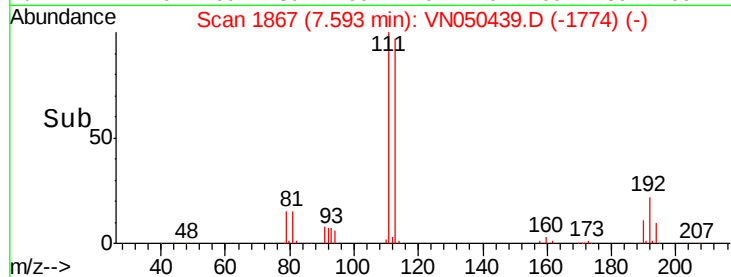
192 22.8 17.8 26.6



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: 3.99 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

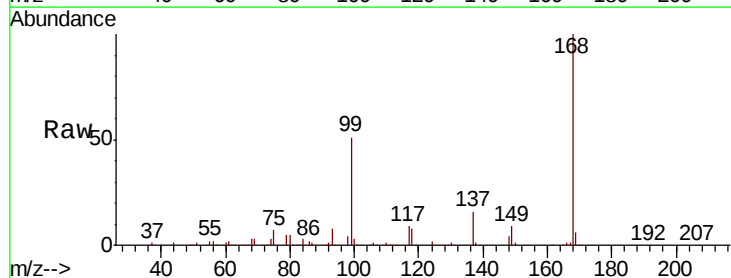
Tgt Ion: 75 Resp: 56559

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

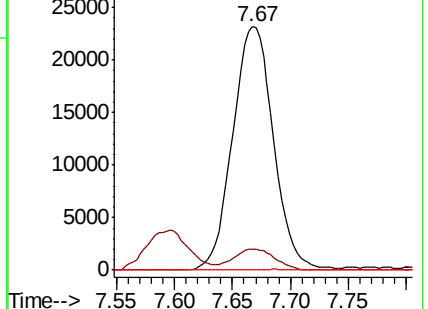
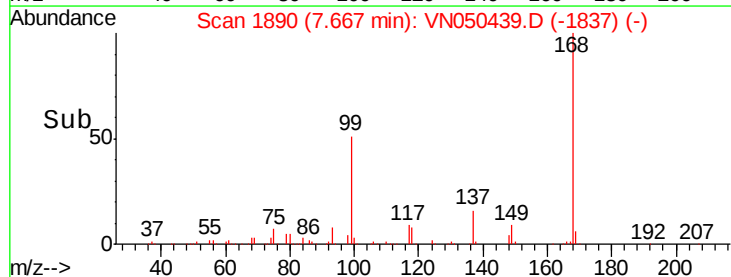
77 0.1 25.3 37.9#

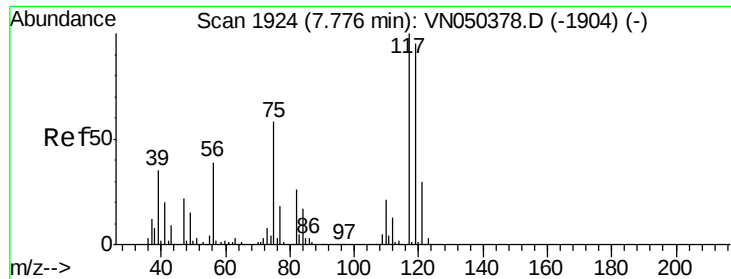


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

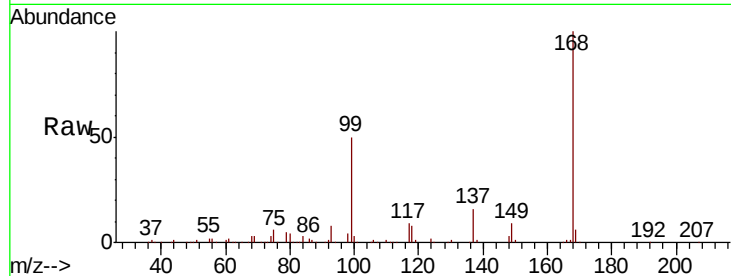




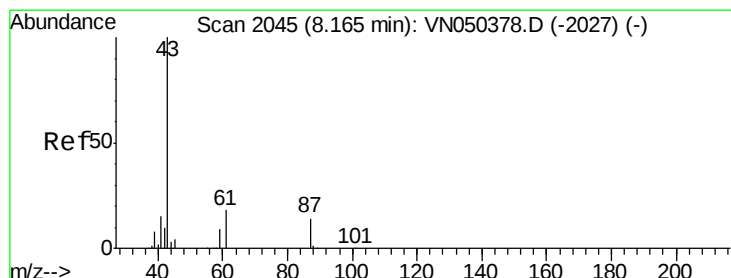
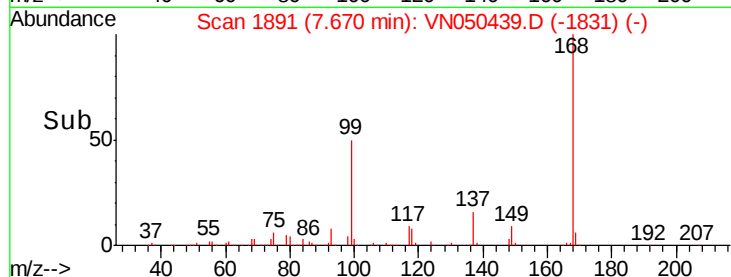
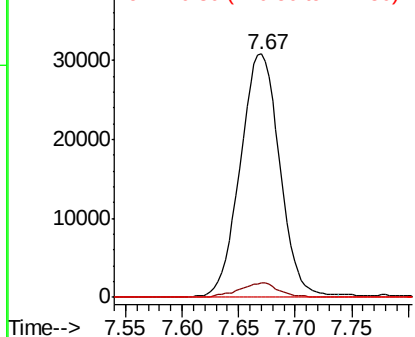
#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050439.D
Acq: 7 Aug 2018 18:19

Instrument :
MSVOA_N
ClientSampleId :
FIELDBLANK

Tot Ion:117 Resp: 75096
Ion Ratio Lower Upper
117 100
119 6.0 77.4 116.0#
121 0.0 23.9 35.9#

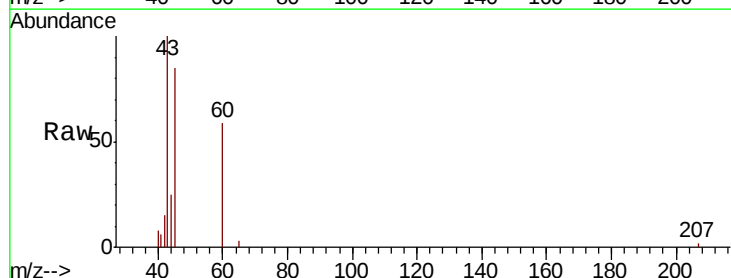


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

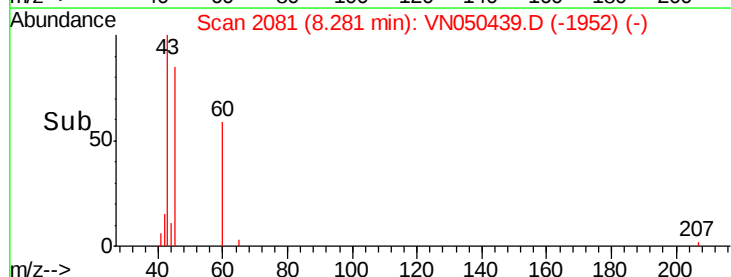
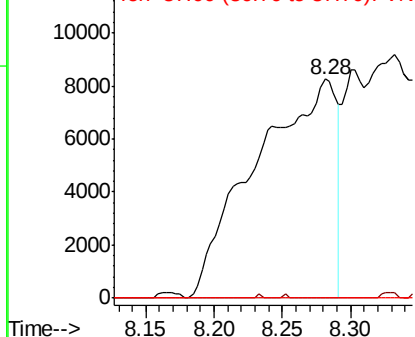


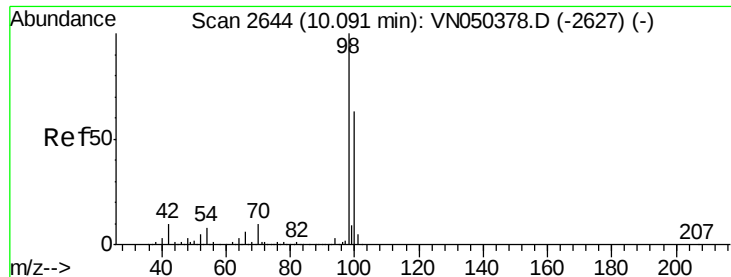
#43
Isopropyl Acetate
Concen: 1.92 ug/l
RT: 8.28 min Scan# 2081
Delta R.T. 0.12 min
Lab File: VN050439.D
Acq: 7 Aug 2018 18:19

Tgt Ion: 43 Resp: 33788
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#



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

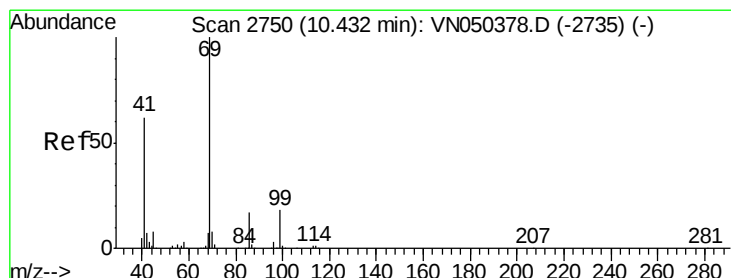
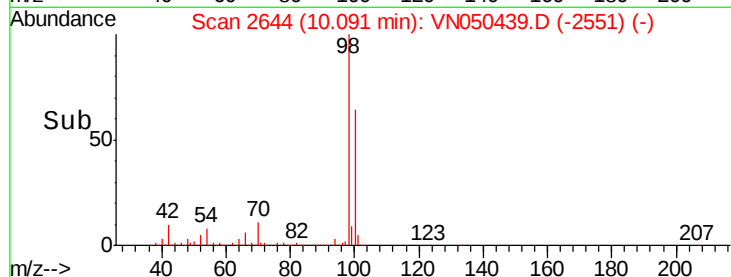
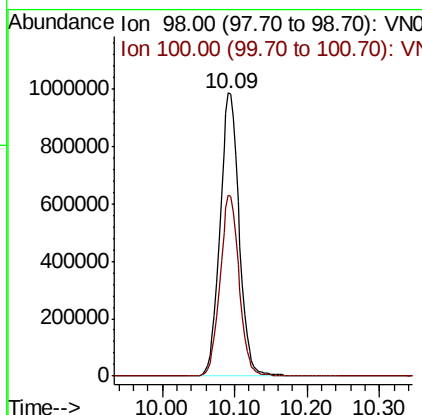
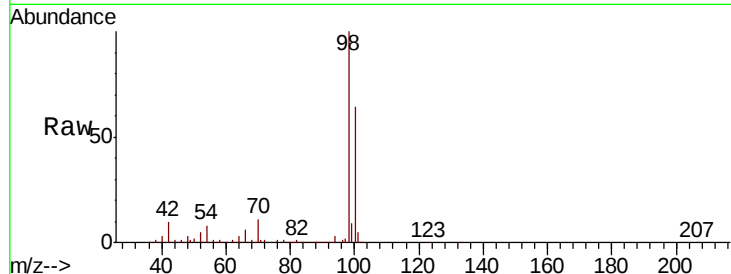




#50
Toluene-d8
Concen: 46.17 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050439.D
Acq: 7 Aug 2018 18:19

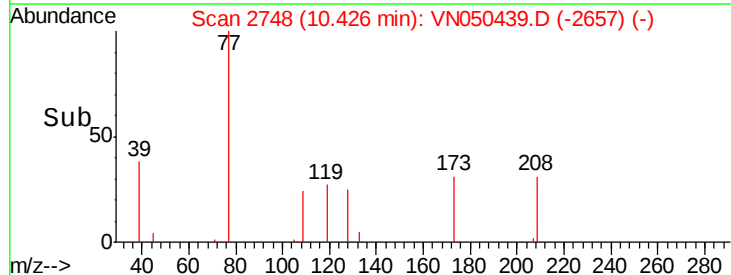
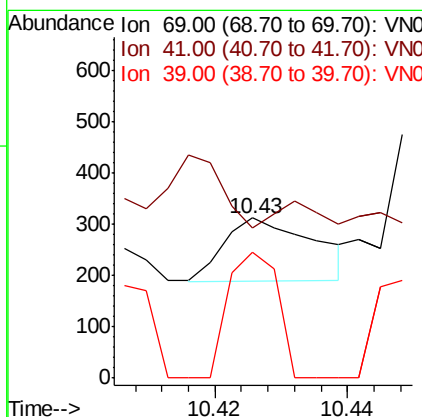
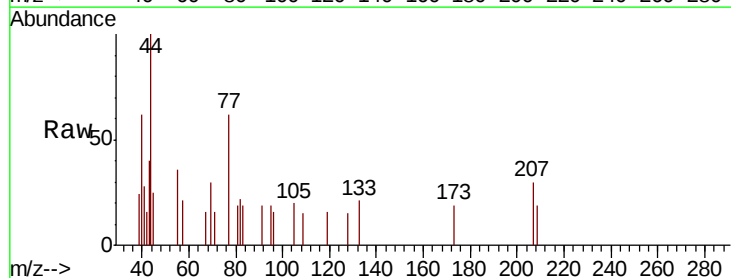
Instrument :
MSVOA_N
ClientSampled :
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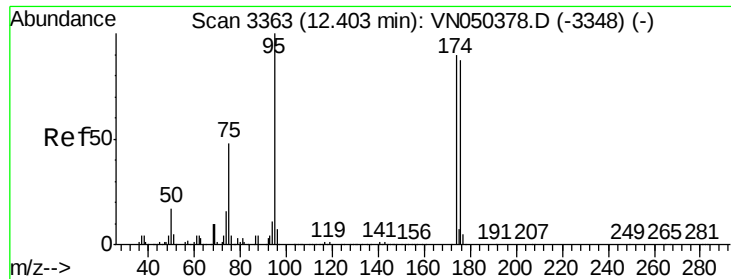
Tot Ion: 98 Resp: 1796238
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



#56
Ethyl methacrylate
Concen: 1.72 ug/l
RT: 10.43 min Scan# 2748
Delta R.T. -0.01 min
Lab File: VN050439.D
Acq: 7 Aug 2018 18:19

Tgt Ion: 69 Resp: 116
Ion Ratio Lower Upper
69 100
41 20.7 51.0 76.4#
39 110.3 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 41.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

FIELDBLANK

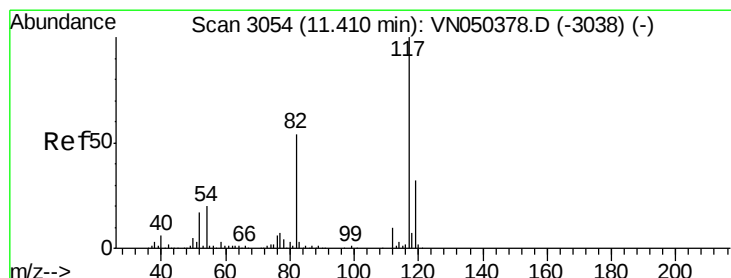
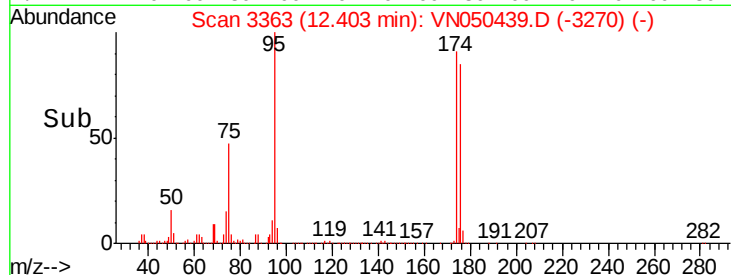
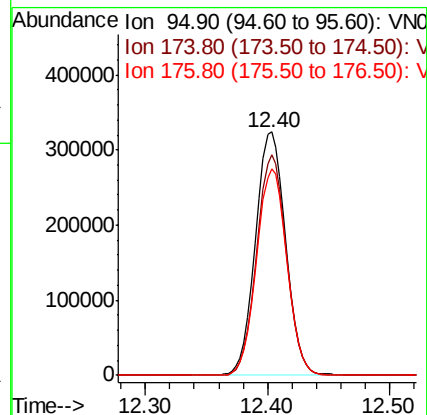
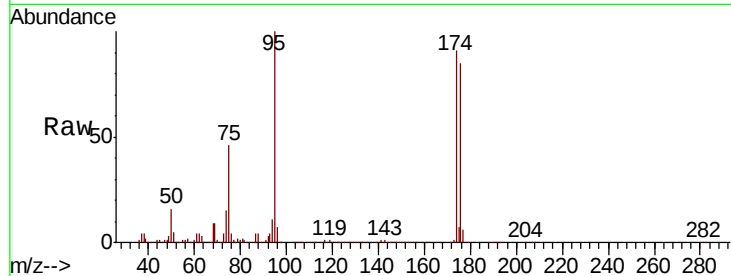
Tot Ion: 95 Resp: 547193

Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.2

176 85.7 0.0 173.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

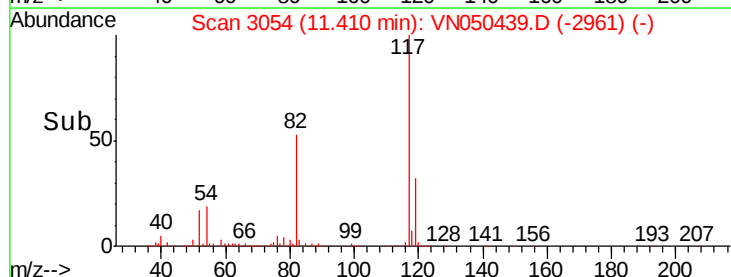
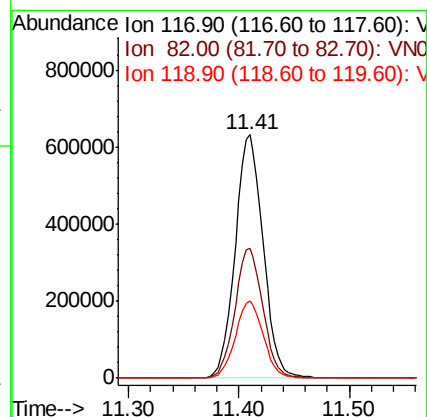
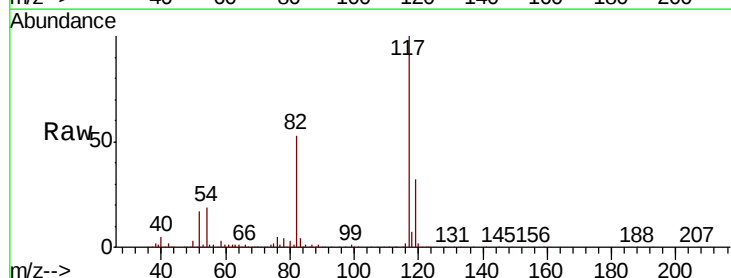
Tgt Ion: 117 Resp: 1107240

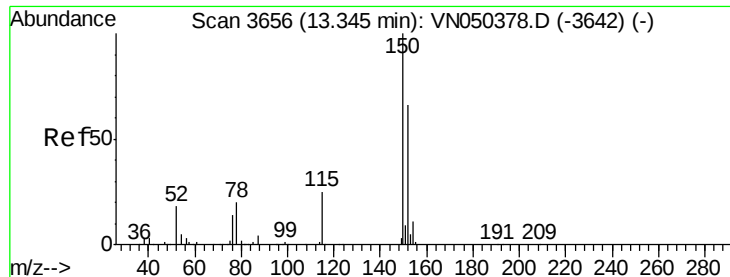
Ion Ratio Lower Upper

117 100

82 53.4 43.7 65.5

119 31.7 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

Instrument :

MSVOA_N

ClientSampled :

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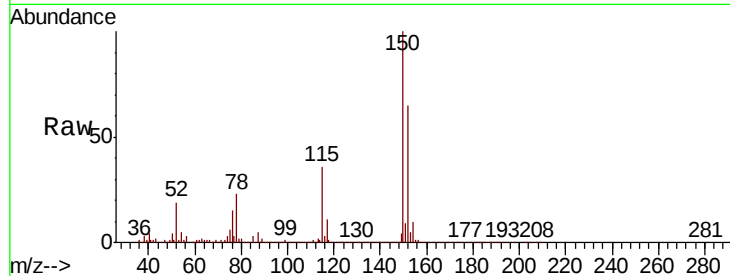
Tot Ion:152 Resp: 443937

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.3

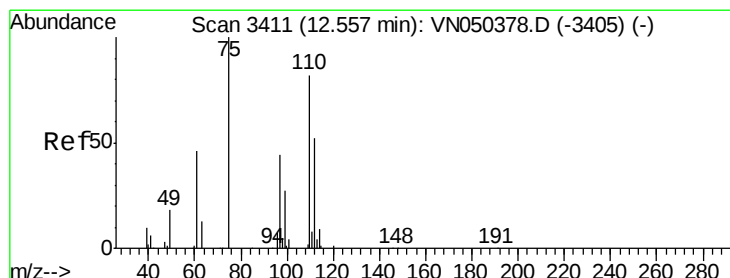
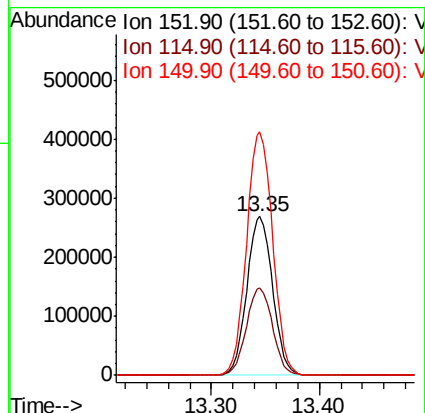
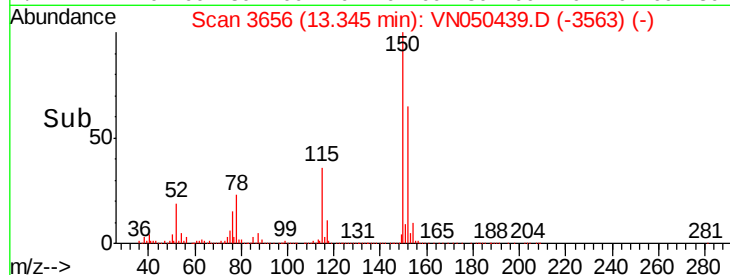
150 155.7 0.0 348.6



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: 31.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050439.D

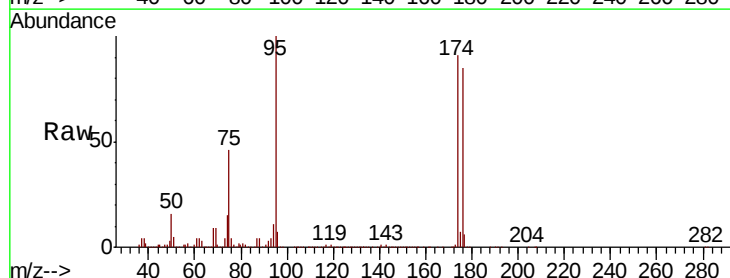
Acq: 7 Aug 2018 18:19

Tgt Ion: 75 Resp: 256386

Ion Ratio Lower Upper

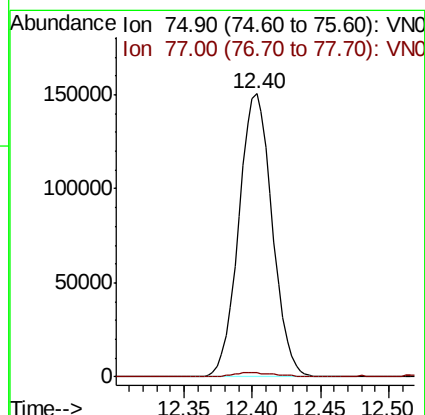
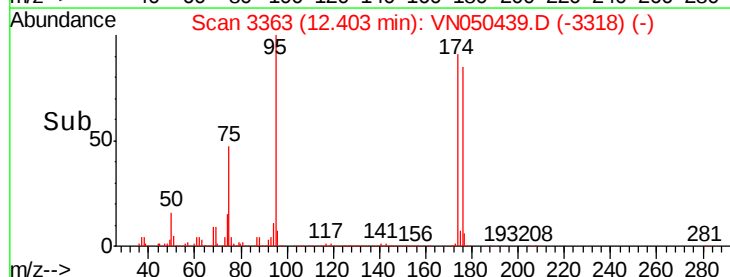
75 100

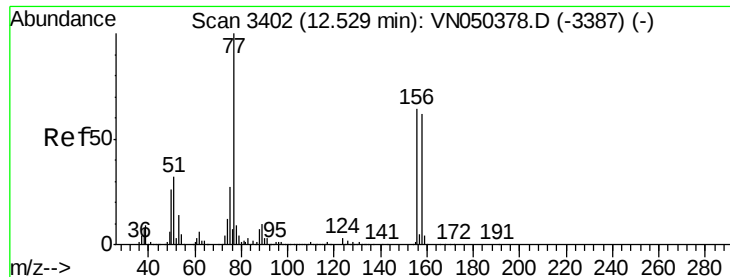
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 1.41 ug/l

RT: 12.55 min Scan# 3409

Delta R.T. 0.02 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

Instrument :

MSVOA_N

ClientSampled :

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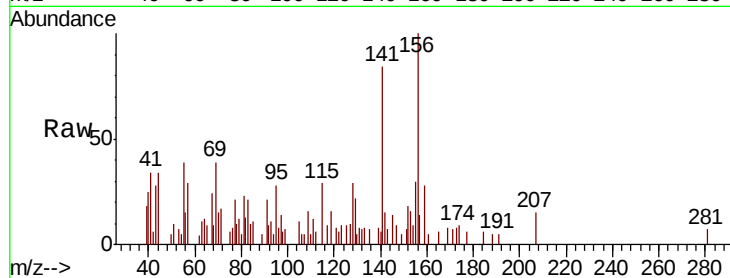
Tot Ion:156 Resp: 12554

Ion Ratio Lower Upper

156 100

77 0.0 91.7 275.1#

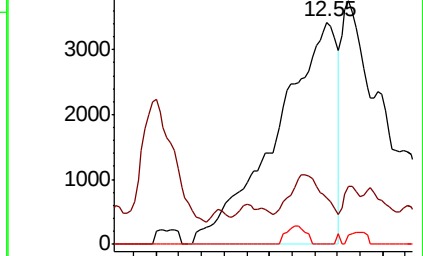
158 0.3 48.9 146.6#



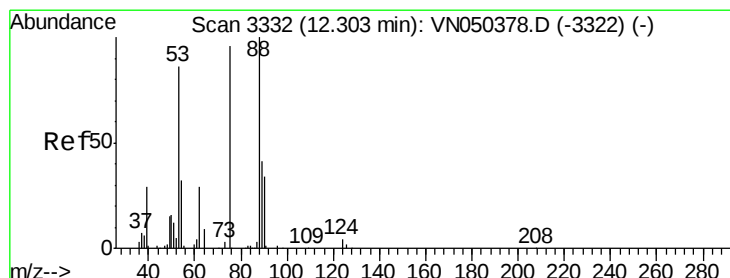
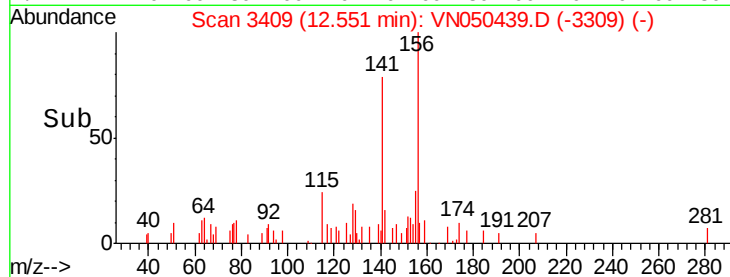
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 112.10 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

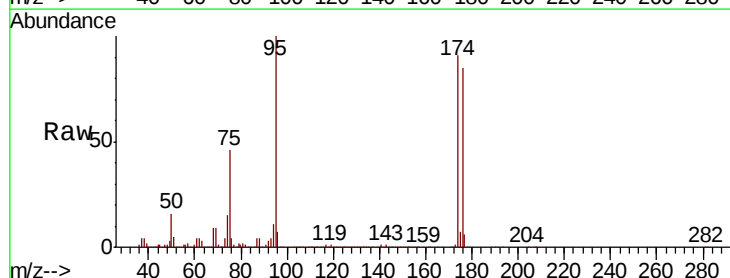
Tgt Ion: 75 Resp: 256386

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

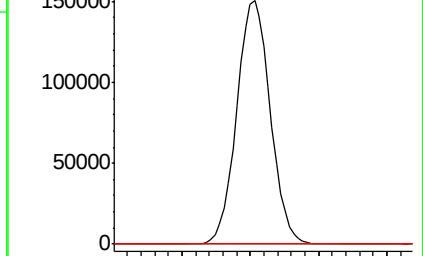
89 0.0 36.0 54.0#



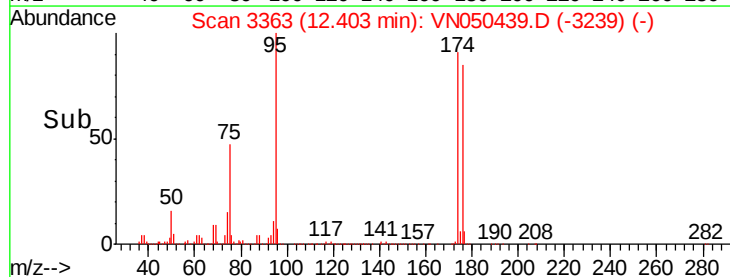
Abundance Ion 74.90 (74.60 to 75.60): VNO

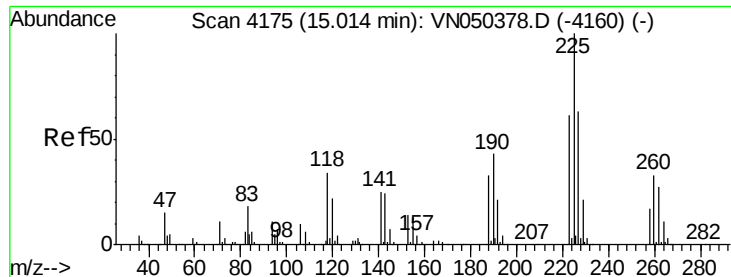
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

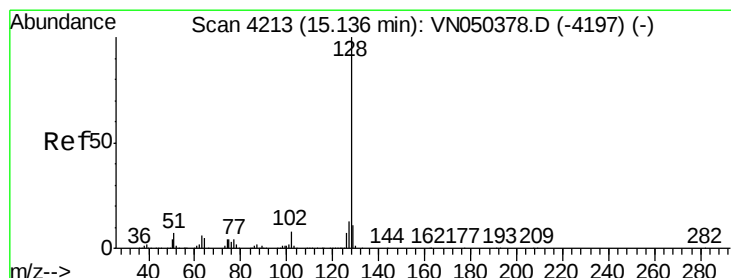
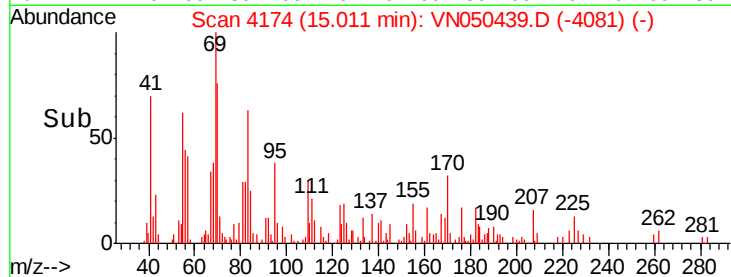
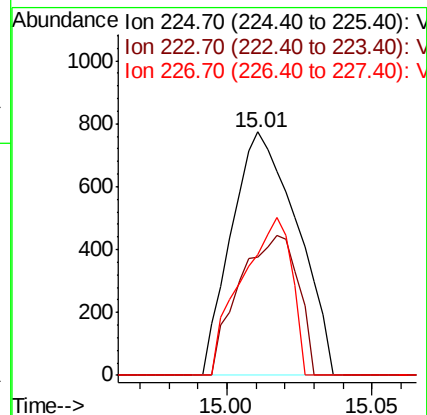
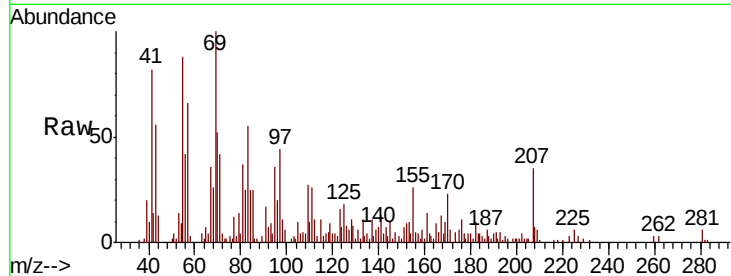
Instrument :

MSVOA_N

ClientSampled :

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Tot Ion:	225	Resp:	1217
Ion	Ratio	Lower	Upper
225	100		
223	51.4	31.4	94.2
227	49.6	32.1	96.5



#95

Naphthalene

Concen: 3.93 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050439.D

Acq: 7 Aug 2018 18:19

Tgt Ion:	128	Resp:	7142
Ion	Ratio	Lower	Upper
128	100		
127	22.9	10.4	15.6#
129	5.9	8.8	13.2#

