

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050058.D
 Acq On : 25 Jul 2018 21:50
 Operator : MD\SY
 Sample : PB111424ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111424ZHE#05

Quant Time: Jul 26 06:57:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	616780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1030137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	848569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	263907	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	441440	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
35) Dibromofluoromethane	7.59	113	393261	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	10.09	98	1381031	44.66	ug/l	0.00
Spiked Amount			Recovery	=	89.32%	
62) 4-Bromofluorobenzene	12.41	95	352925	34.66	ug/l	0.00
Spiked Amount			Recovery	=	69.32%	

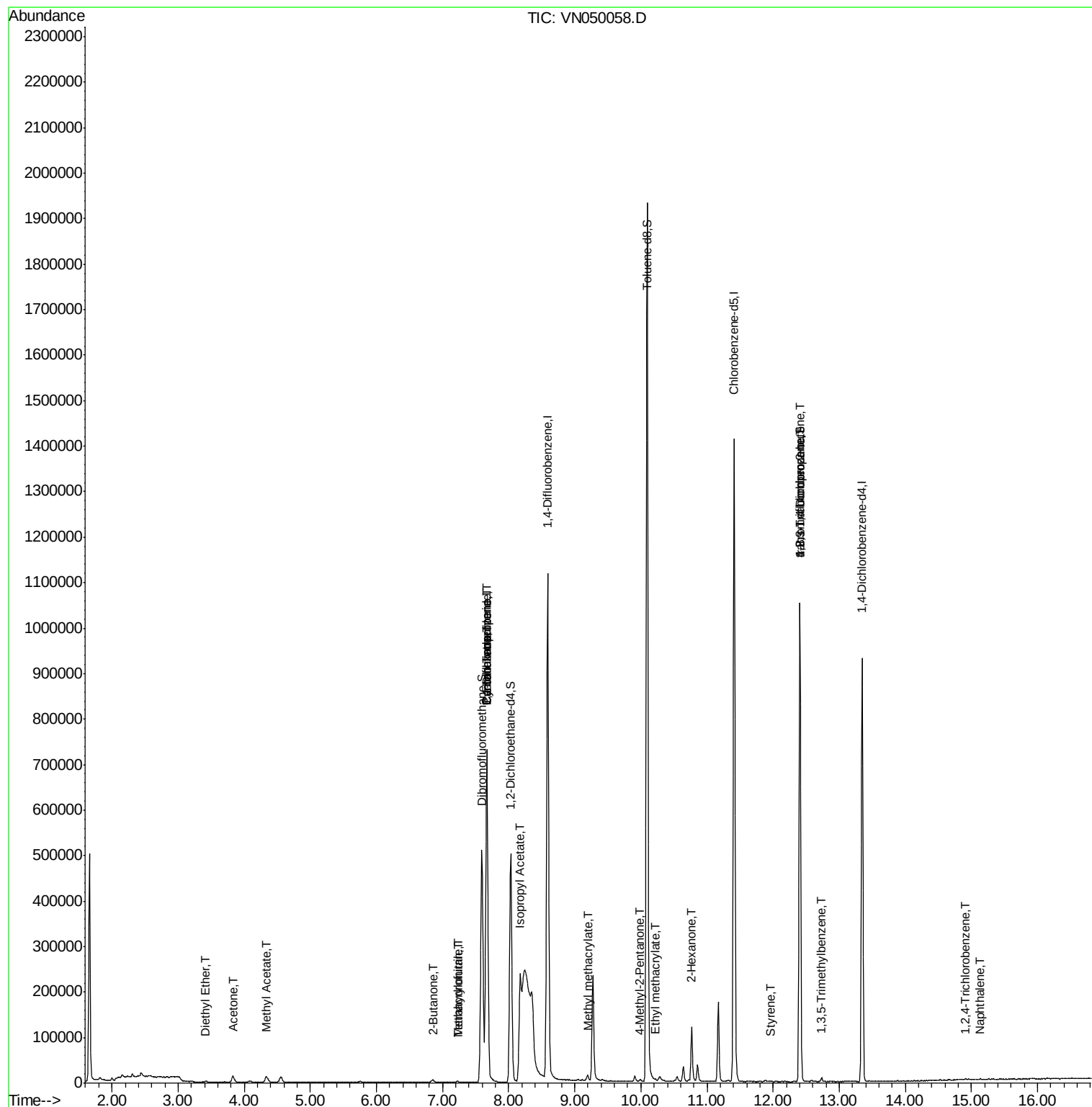
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	644	Below Cal	#	62
8) Diethyl Ether	3.41	74	957	0.22	ug/l	# 43
16) Acetone	3.83	43	23688	7.47	ug/l	94
18) Methyl Acetate	4.33	43	22868	1.31	ug/l	97
20) Methylene Chloride	4.56	84	9126	Below Cal		92
25) 2-Butanone	6.84	43	2774	0.85	ug/l	95
29) Tetrahydrofuran	7.23	42	1865	0.88	ug/l	# 66
31) Cyclohexane	7.67	56	11388	0.89	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	45108	3.89	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	55938	4.54	ug/l	# 16
41) Methacrylonitrile	7.22	41	939	2.96	ug/l	# 31
43) Isopropyl Acetate	8.17	43	292098	18.44	ug/l	# 90
48) Methyl methacrylate	9.18	41	7027	1.01	ug/l	# 26
51) 4-Methyl-2-Pentanone	9.99	43	2029	0.26	ug/l	# 85
56) Ethyl methacrylate	10.23	69	2478	2.24	ug/l	# 64
59) 2-Hexanone	10.77	43	16873	8.00	ug/l	# 62
70) Styrene	11.97	104	204	0.93	ug/l	# 47
75) 1,1,2,2-Tetrachloroethane	12.41	83	259	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	172298	35.13	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.73	105	3477	0.22	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	172298	111.43	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	114	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	248	3.13	ug/l	# 49
95) Naphthalene	15.14	128	848	4.48	ug/l	# 69

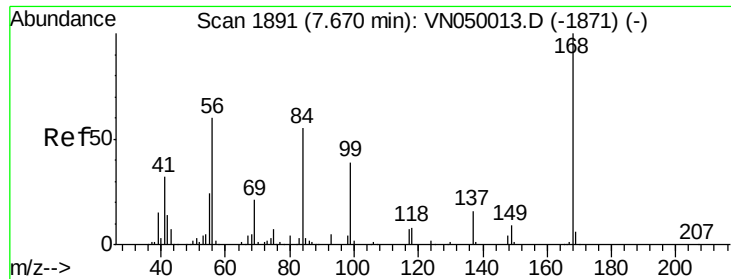
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072518\
Data File : VN050058.D
Acq On : 25 Jul 2018 21:50
Operator : MD\SY
Sample : PB111424ZHE#05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111424ZHE#05

Quant Time: Jul 26 06:57:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 24 06:27:04 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: VN050058.D

Acq: 25 Jul 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

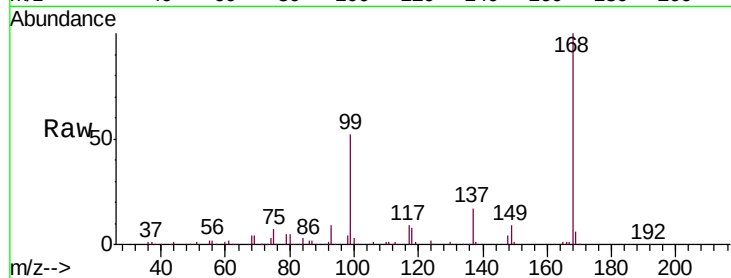
PB111424ZHE#05

Tot Ion:168 Resp: 616780

Ion Ratio Lower Upper

168 100

99 51.9 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

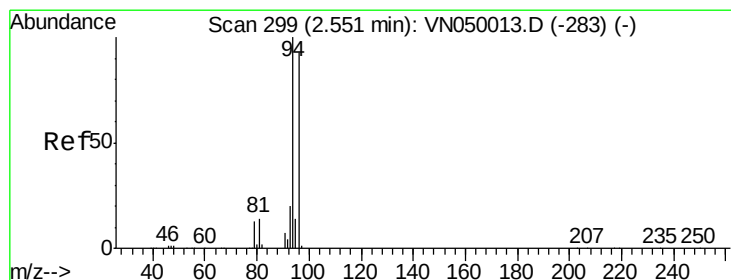
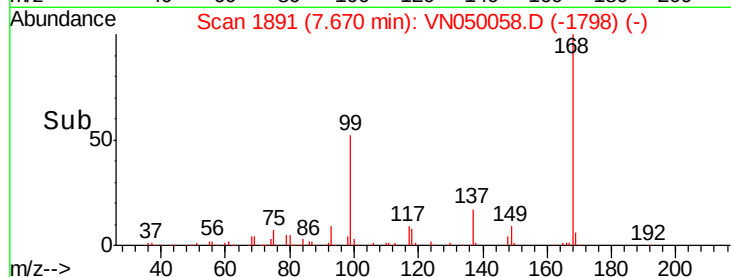
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050058.D

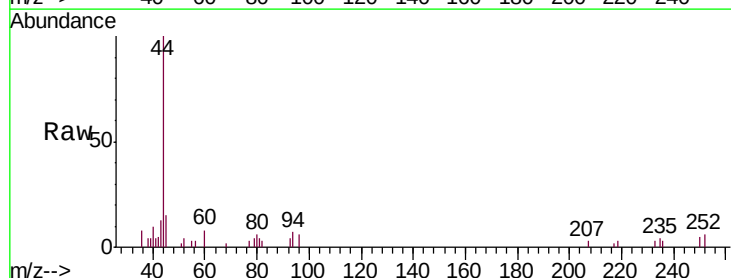
Acq: 25 Jul 2018 21:50

Tgt Ion: 94 Resp: 644

Ion Ratio Lower Upper

94 100

96 56.6 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

800

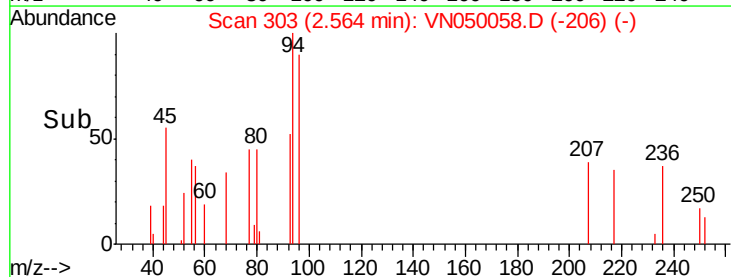
600

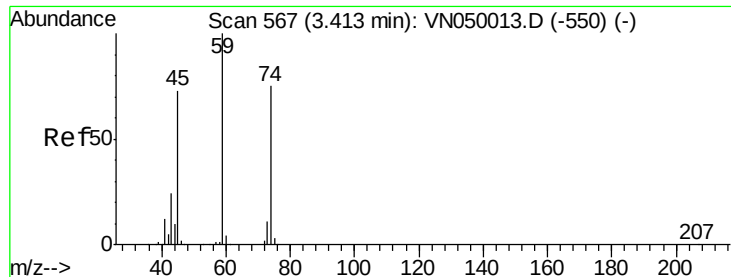
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.22 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

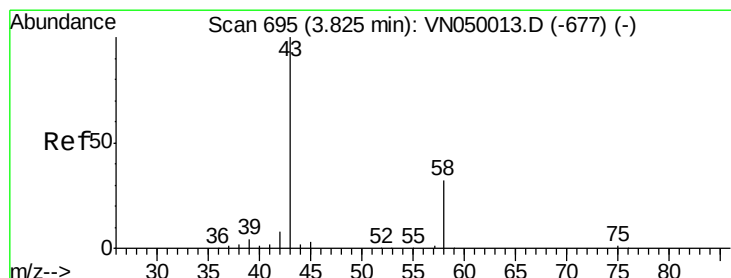
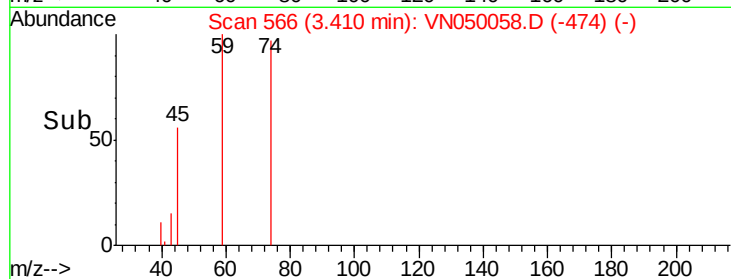
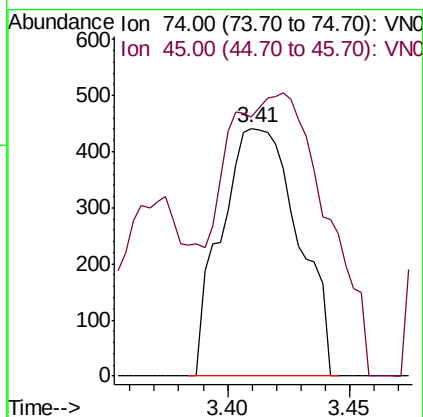
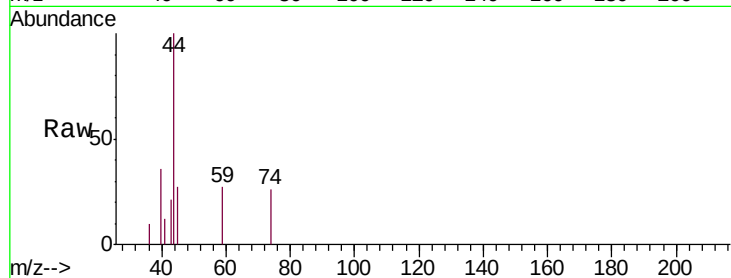
PB111424ZHE#05

Tot Ion: 74 Resp: 957

Ion Ratio Lower Upper

74 100

45 151.1 47.6 142.8#



#16

Acetone

Concen: 7.47 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050058.D

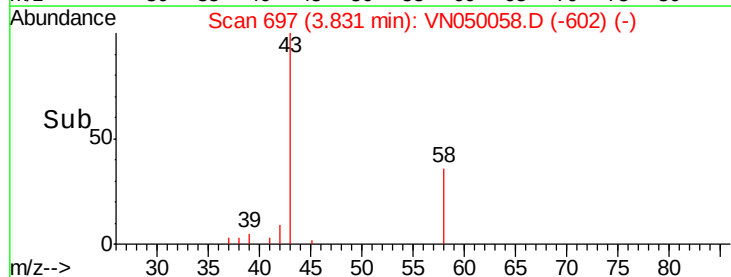
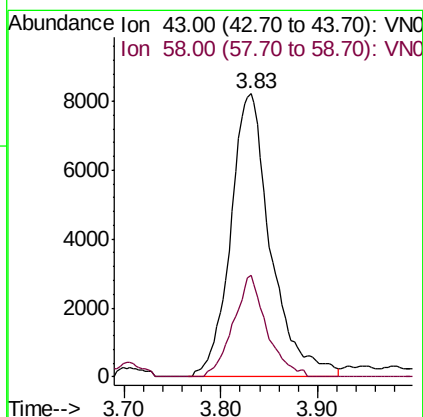
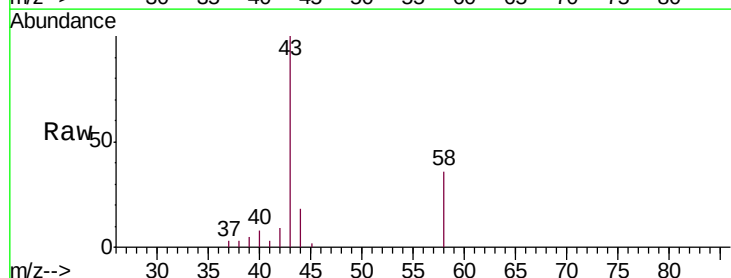
Acq: 25 Jul 2018 21:50

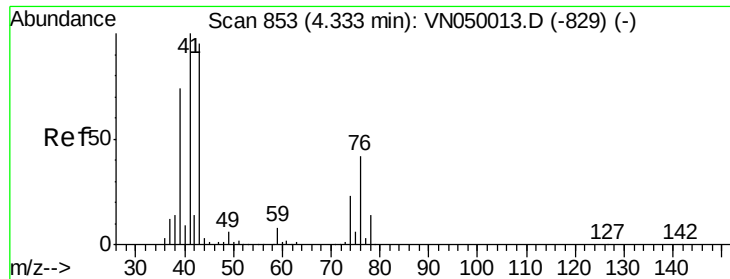
Tgt Ion: 43 Resp: 23688

Ion Ratio Lower Upper

43 100

58 35.7 25.8 38.8

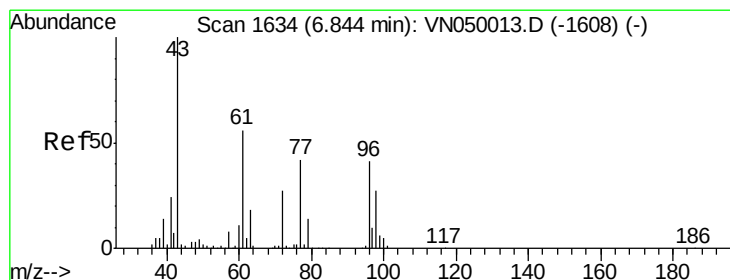
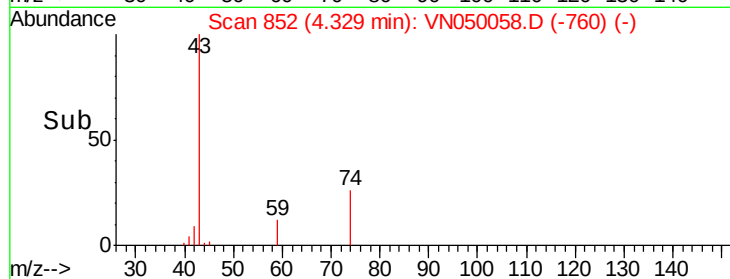
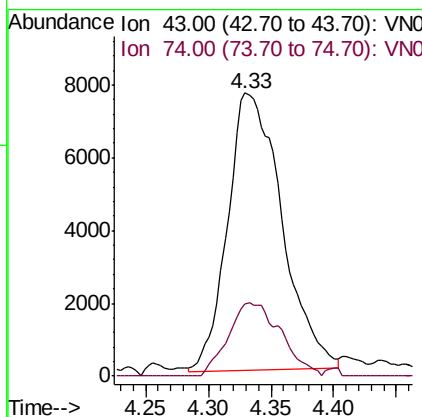
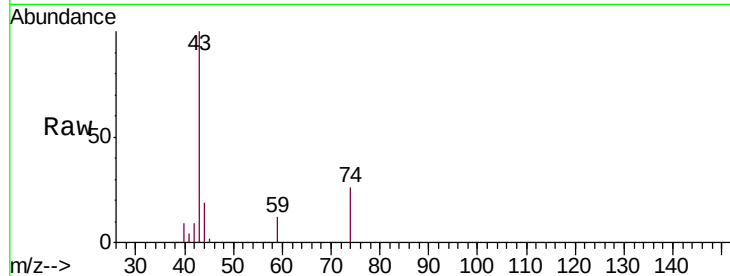




#18
Methvl Acetate
Concen: 1.31 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050058.D
Acq: 25 Jul 2018 21:50

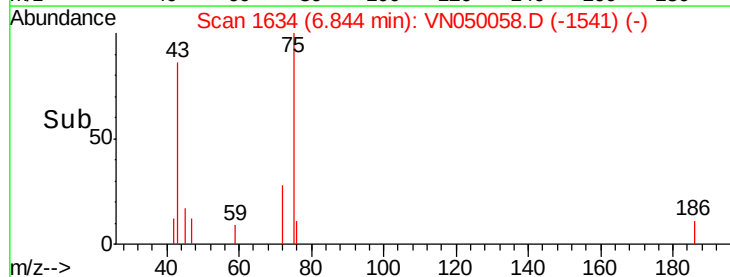
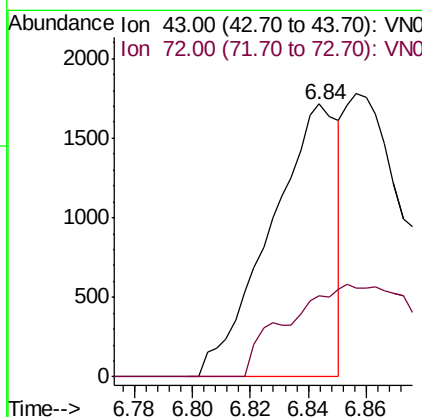
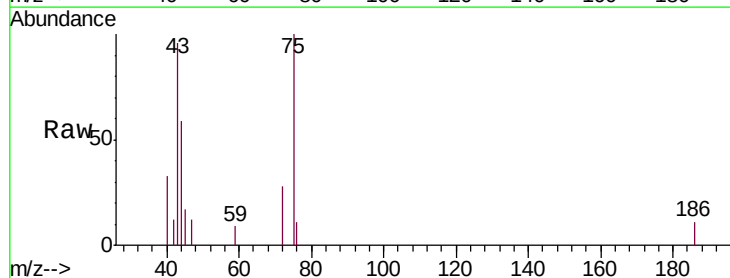
Instrument :
MSVOA_N
ClientSampleId :
PB111424ZHE#05

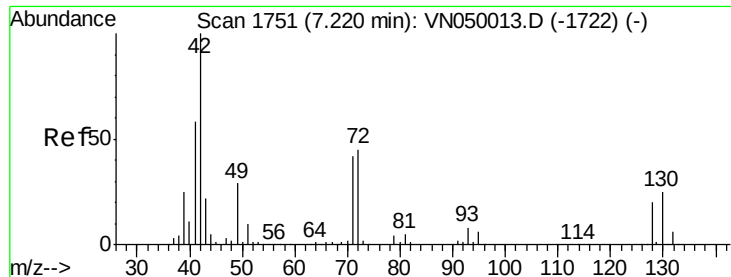
Tot Ion: 43 Resp: 22868
Ion Ratio Lower Upper
43 100
74 25.6 19.2 28.8



#25
2-Butanone
Concen: 0.85 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050058.D
Acq: 25 Jul 2018 21:50

Tgt Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
72 29.7 21.5 32.3





#29

Tetrahydrofuran

Concen: 0.88 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

PB111424ZHE#05

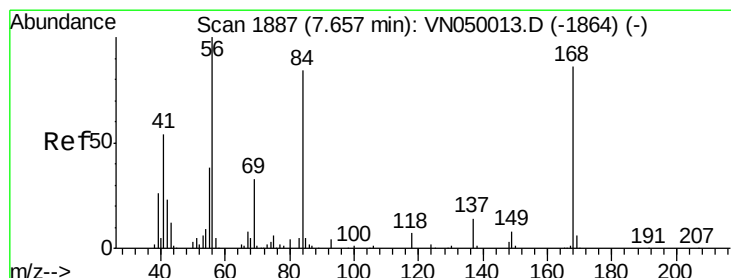
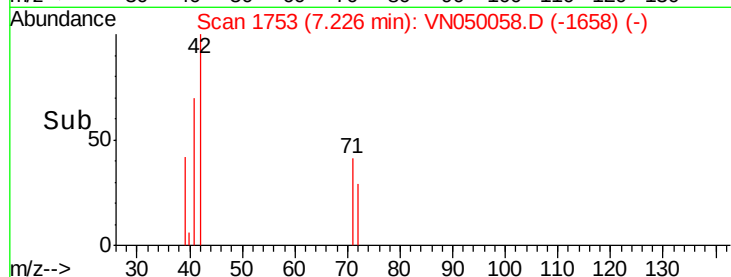
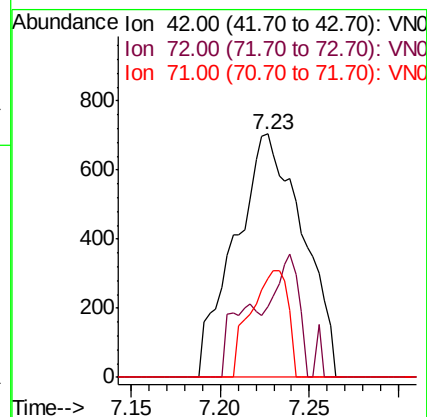
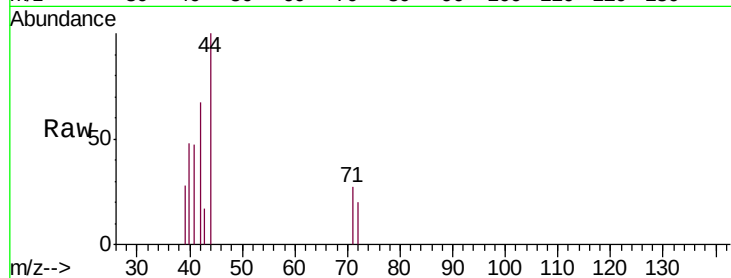
Tot Ion: 42 Resp: 1865

Ion Ratio Lower Upper

42 100

72 19.5 35.9 53.9#

71 24.3 33.7 50.5#



#31

Cyclohexane

Concen: 0.89 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

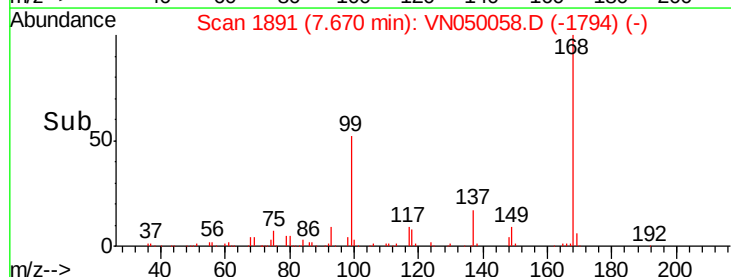
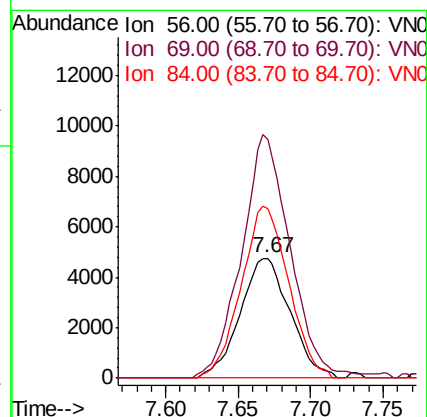
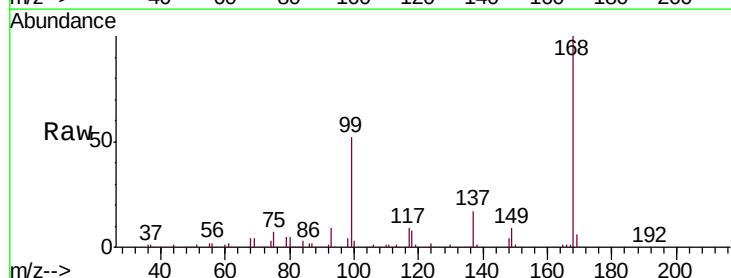
Tgt Ion: 56 Resp: 11388

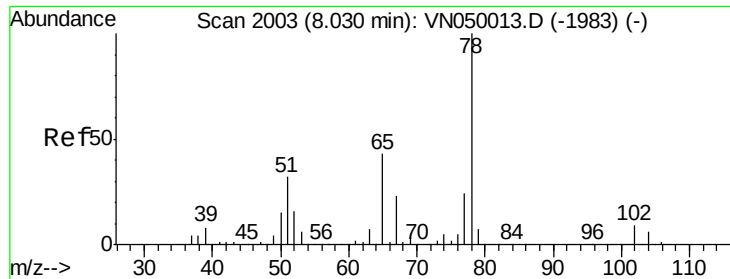
Ion Ratio Lower Upper

56 100

69 199.3 26.2 39.4#

84 141.7 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.30 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

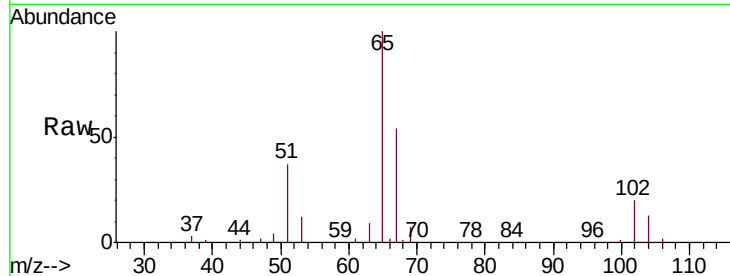
PB111424ZHE#05

Tot Ion: 65 Resp: 441440

Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050013.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050013.D (-1983) (-)

8.03

200000

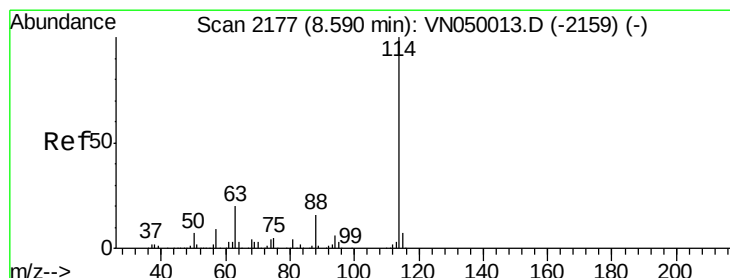
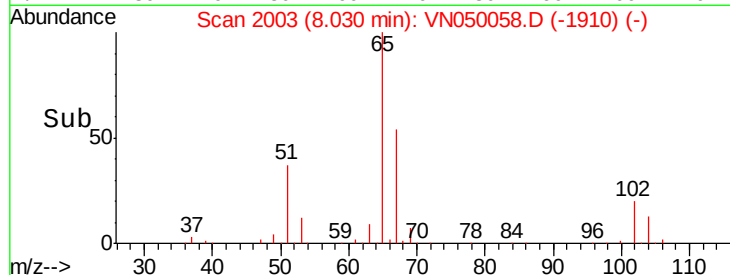
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

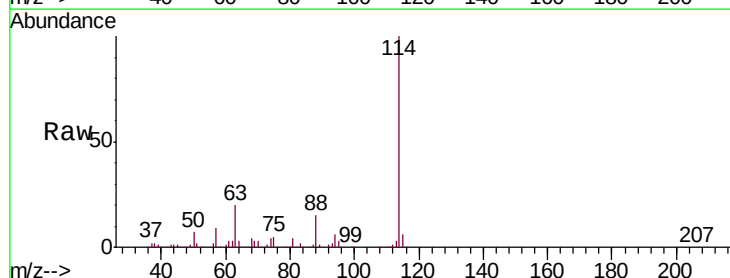
Tgt Ion: 114 Resp: 1030137

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.4 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050013.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN050013.D (-2159) (-)

Ion 87.90 (87.60 to 88.60): VN050013.D (-2159) (-)

8.59

600000

500000

400000

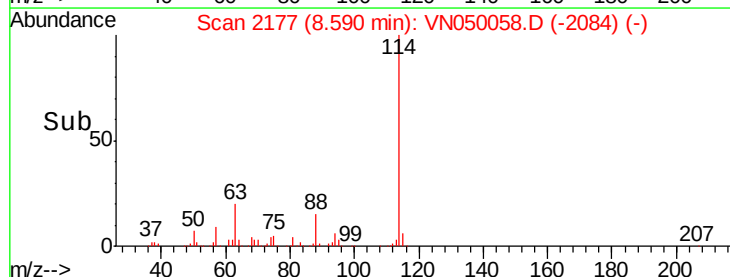
300000

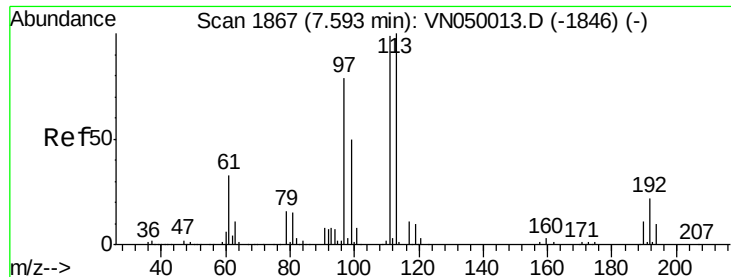
200000

100000

0

Time-->

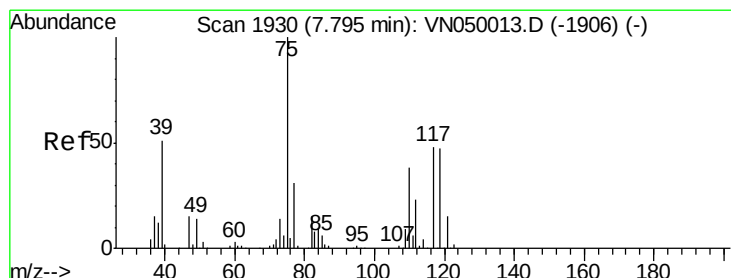
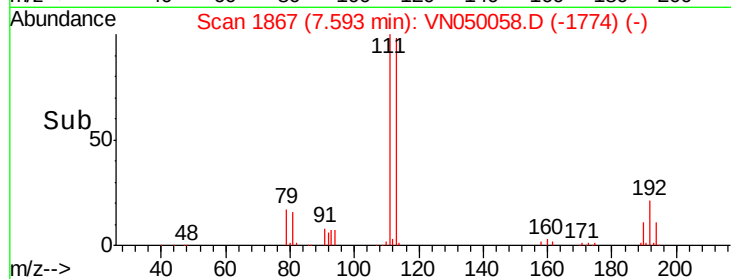
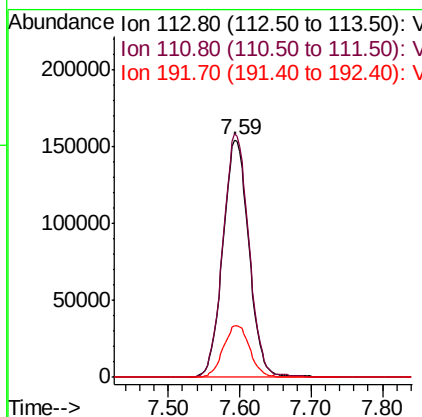
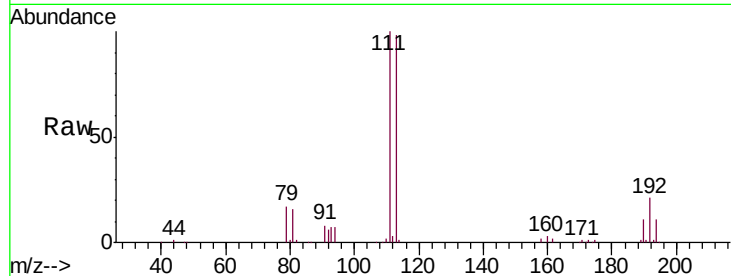




#35
 Dibromofluoromethane
 Concen: 46.76 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050058.D
 Acq: 25 Jul 2018 21:50

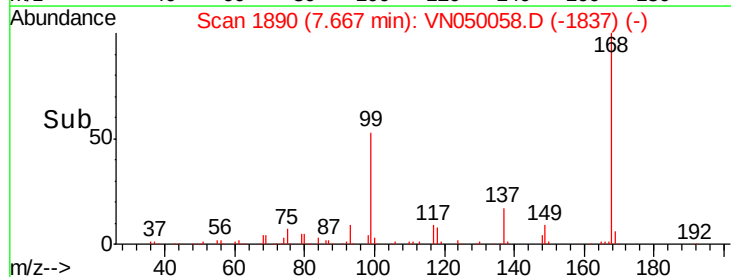
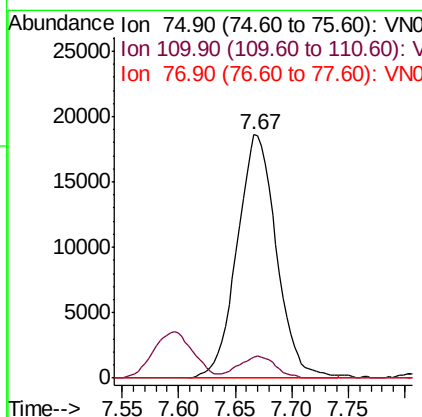
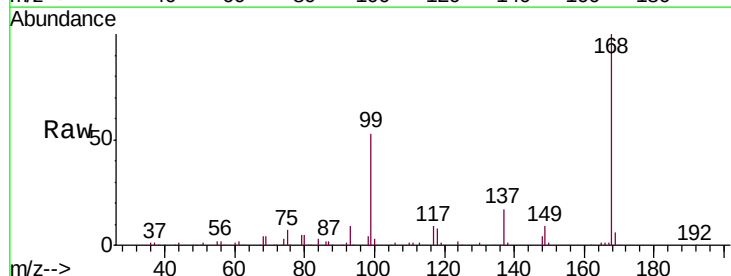
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111424ZHE#05

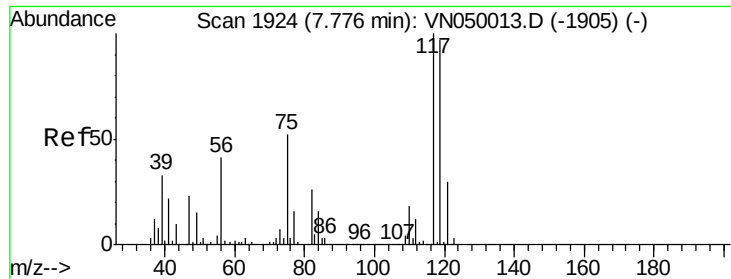
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	22.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050058.D
 Acq: 25 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.4	55.2#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 4.54 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

PB111424ZHE#05

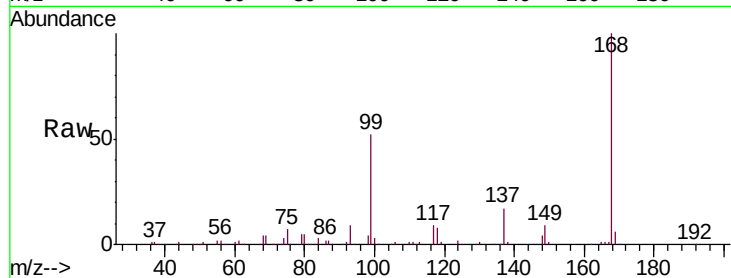
Tot Ion:117 Resp: 55938

Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.0#

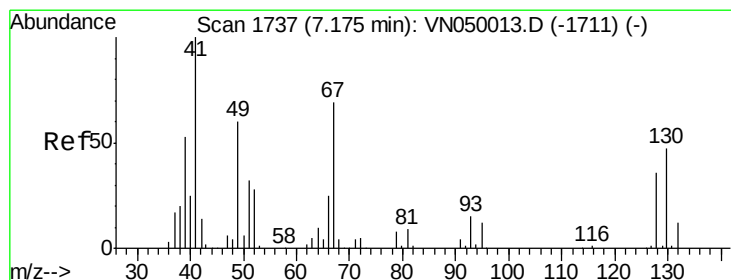
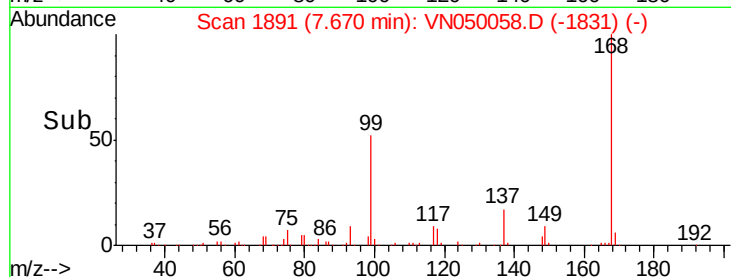
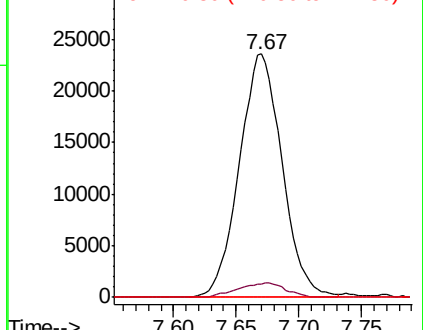
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 2.96 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.05 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

Tgt Ion: 41 Resp: 939

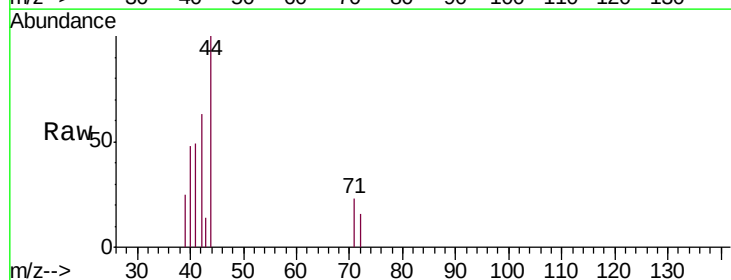
Ion Ratio Lower Upper

41 100

39 52.7 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

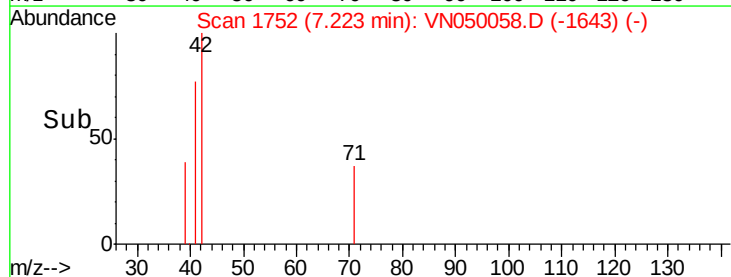
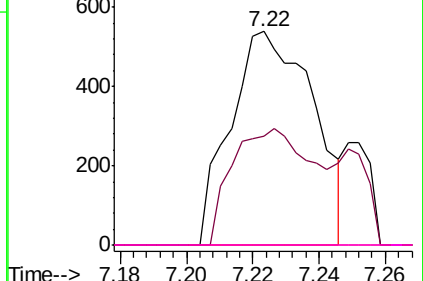


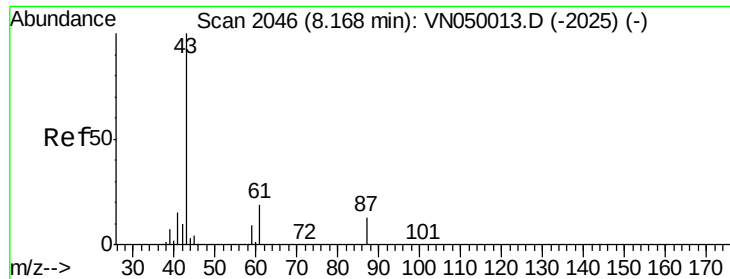
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 18.44 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

PB111424ZHE#05

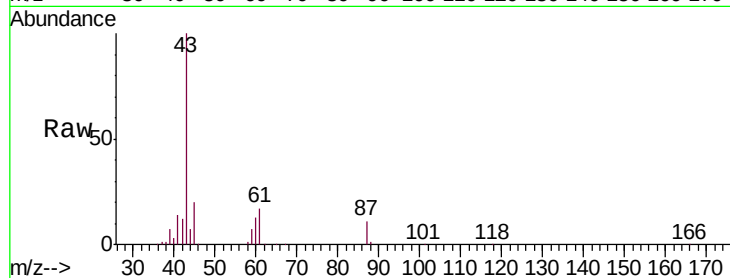
Tot Ion: 43 Resp: 292098

Ion Ratio Lower Upper

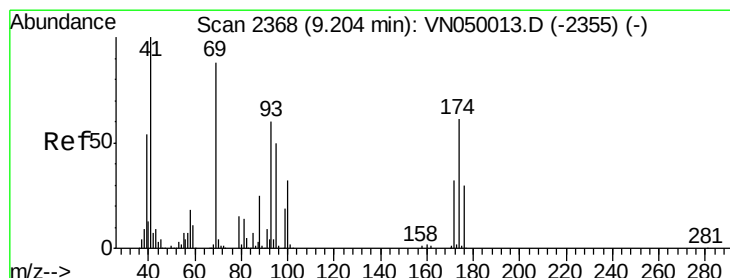
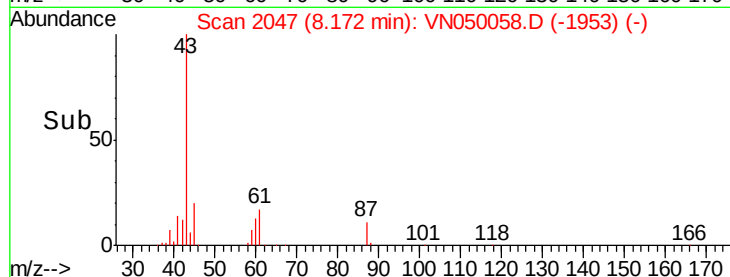
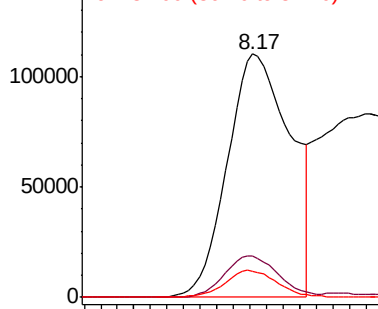
43 100

61 14.7 15.8 23.6#

87 9.3 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



#48

Methyl methacrylate

Concen: 1.01 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

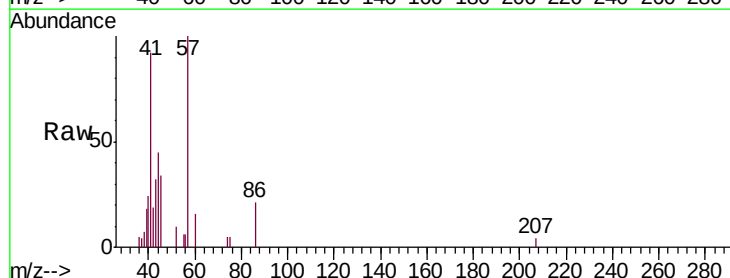
Tgt Ion: 41 Resp: 7027

Ion Ratio Lower Upper

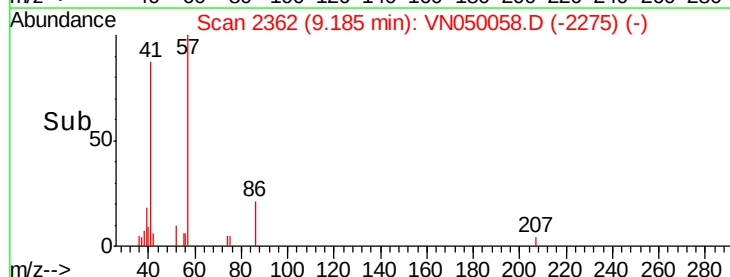
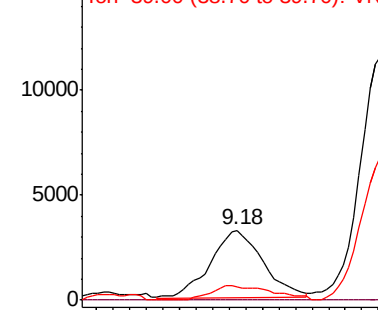
41 100

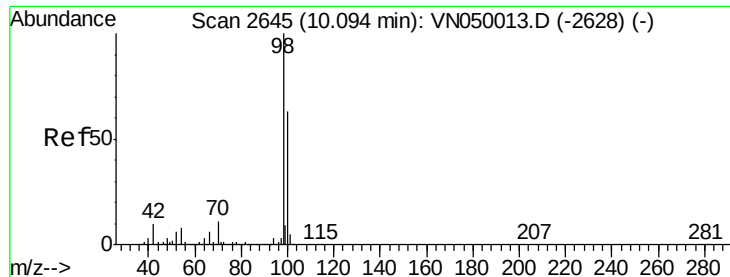
69 0.0 70.6 105.8#

39 24.6 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

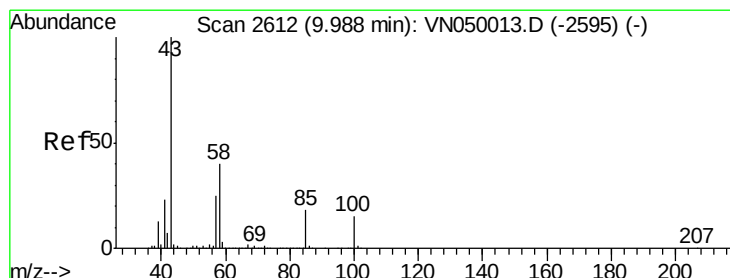
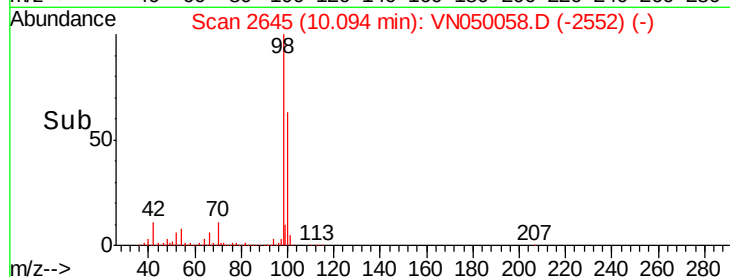
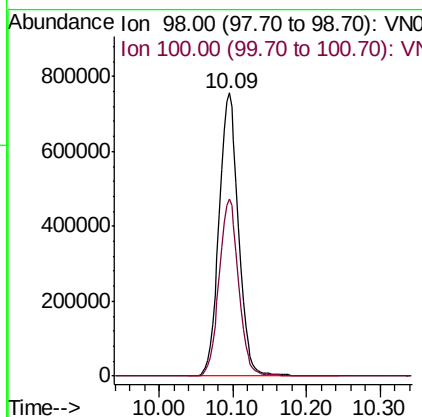
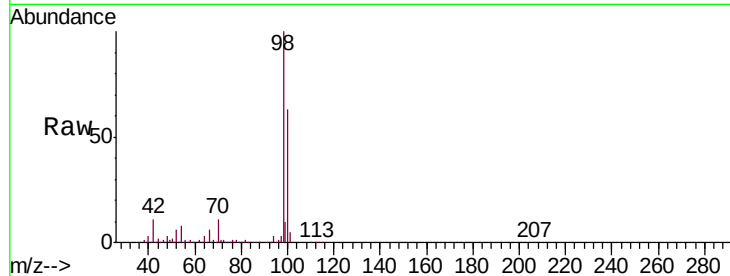




#50
Toluene-d8
Concen: 44.66 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050058.D
Acq: 25 Jul 2018 21:50

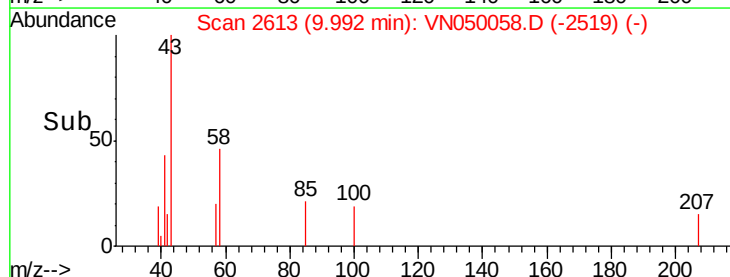
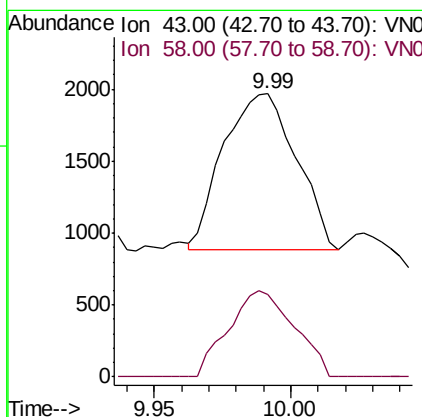
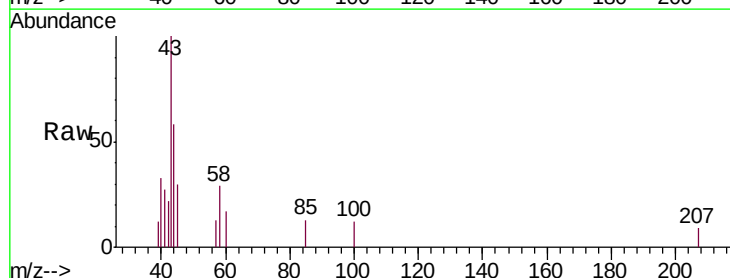
Instrument :
MSVOA_N
ClientSampleId :
PB111424ZHE#05

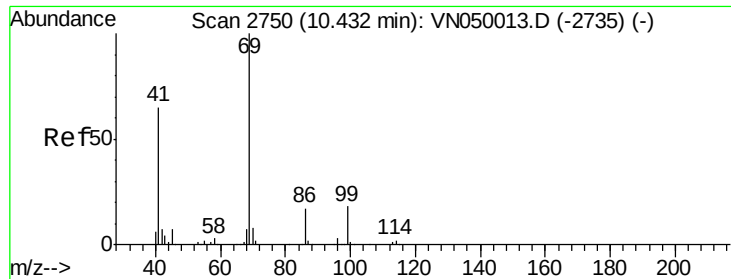
Tot Ion: 98 Resp: 1381031
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN050058.D
Acq: 25 Jul 2018 21:50

Tgt Ion: 43 Resp: 2029
Ion Ratio Lower Upper
43 100
58 49.4 31.9 47.9#





#56

Ethyl methacrylate

Concen: 2.24 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.21 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

PB111424ZHE#05

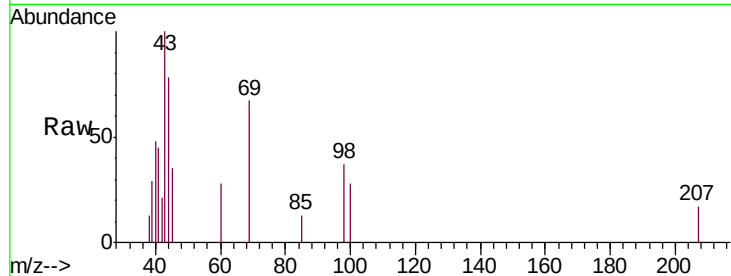
Tot Ion: 69 Resp: 2478

Ion Ratio Lower Upper

69 100

41 23.6 51.0 76.4#

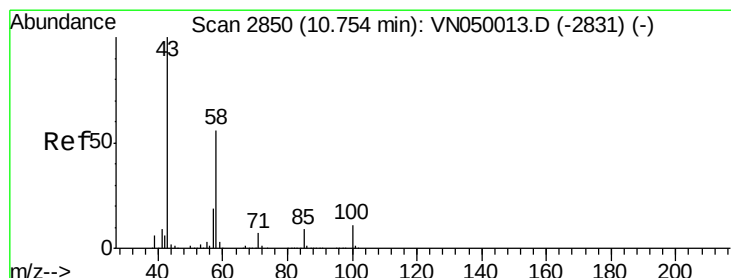
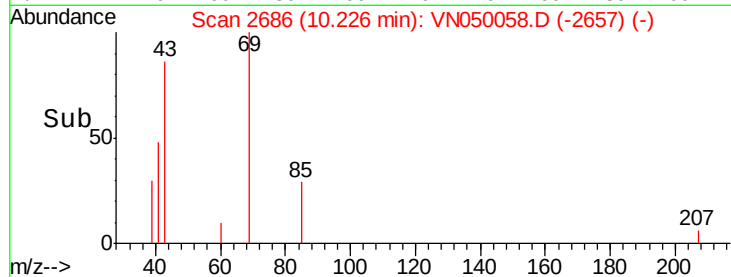
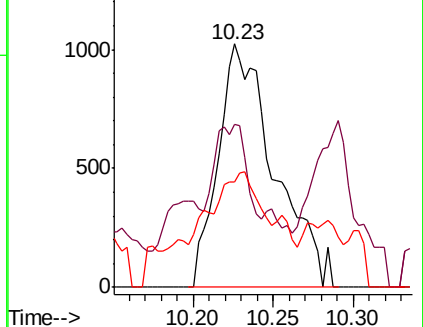
39 29.7 26.6 40.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 8.00 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050058.D

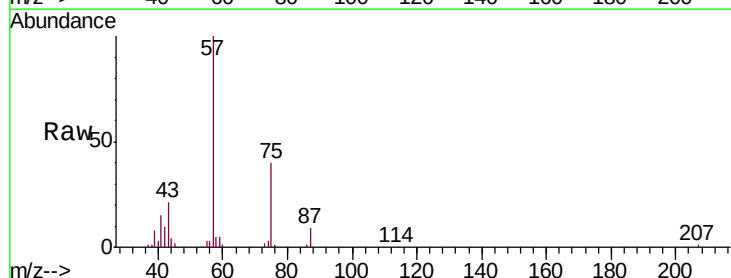
Acq: 25 Jul 2018 21:50

Tgt Ion: 43 Resp: 16873

Ion Ratio Lower Upper

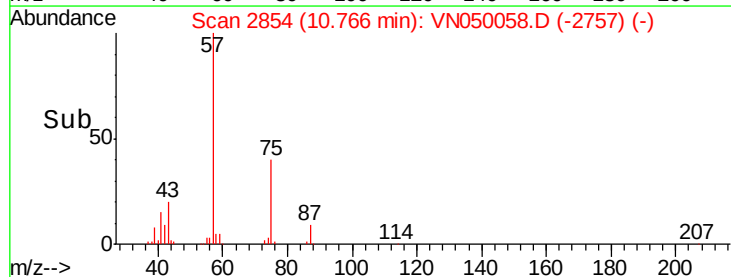
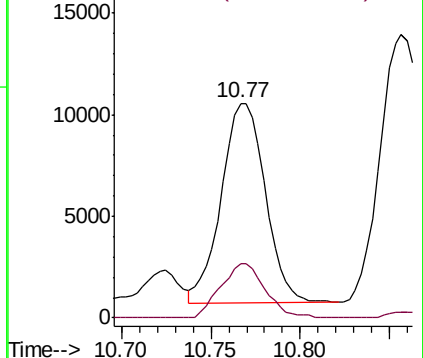
43 100

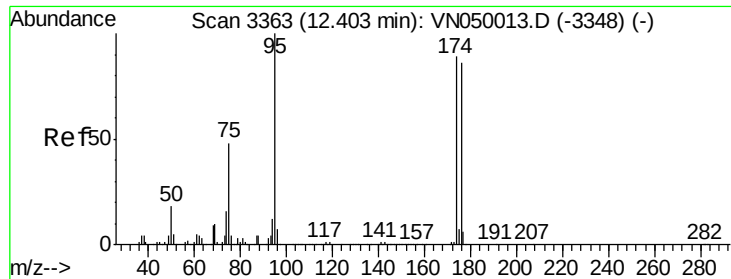
58 27.4 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

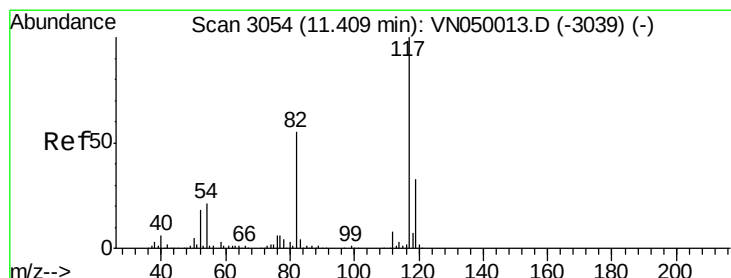
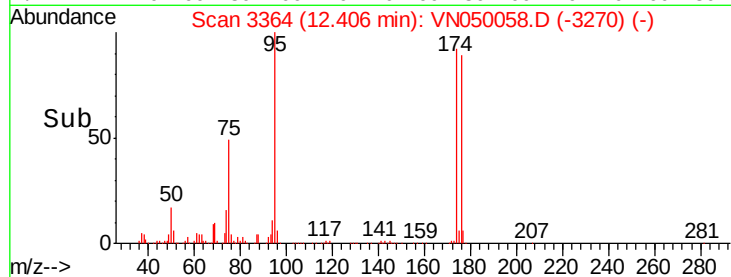
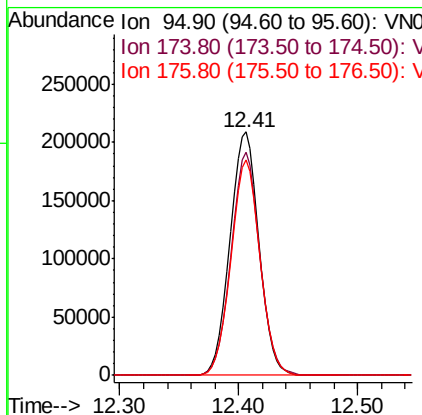
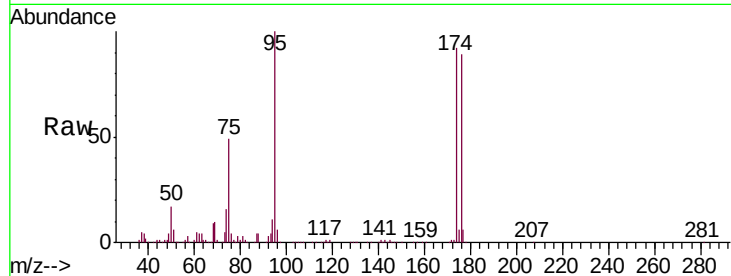




#62
4-Bromofluorobenzene
Concen: 34.66 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN050058.D
Acq: 25 Jul 2018 21:50

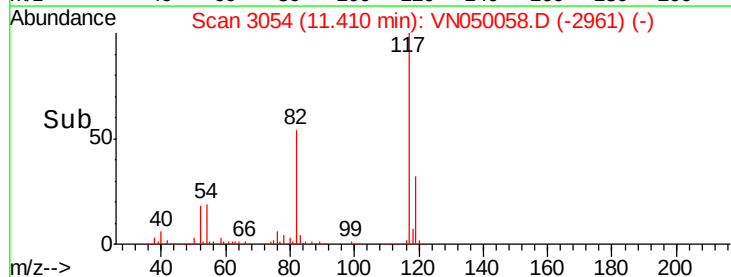
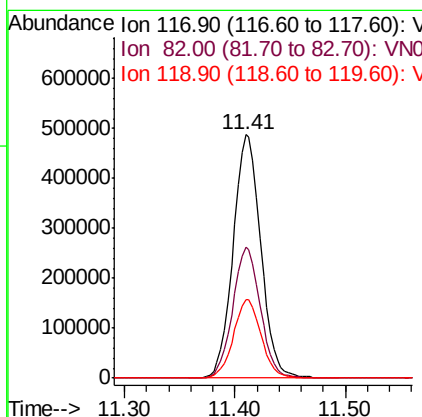
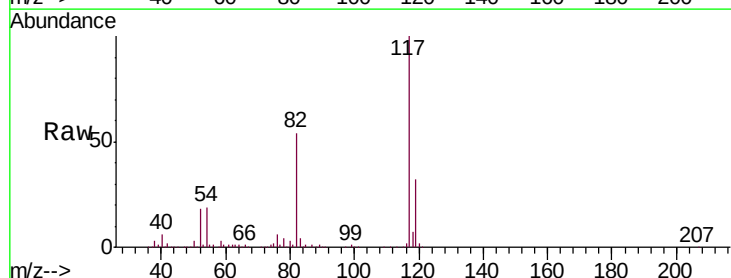
Instrument :
MSVOA_N
ClientSampleId :
PB111424ZHE#05

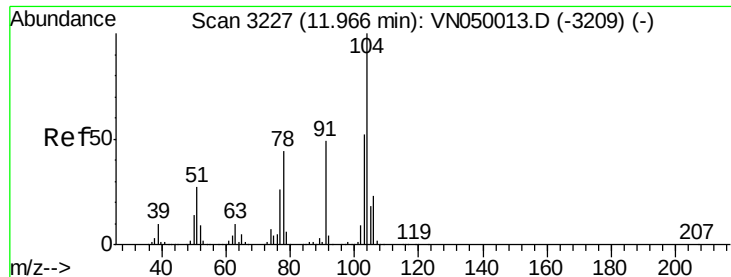
Tot Ion: 95 Resp: 352925
Ion Ratio Lower Upper
95 100
174 90.6 0.0 178.2
176 88.2 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050058.D
Acq: 25 Jul 2018 21:50

Tgt Ion: 117 Resp: 848569
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.3 26.1 39.1

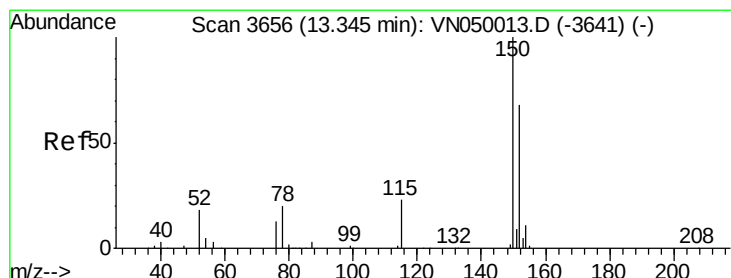
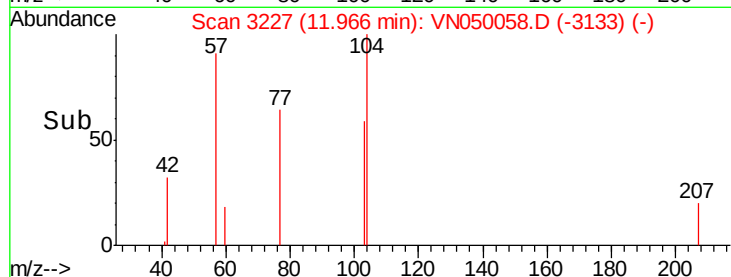
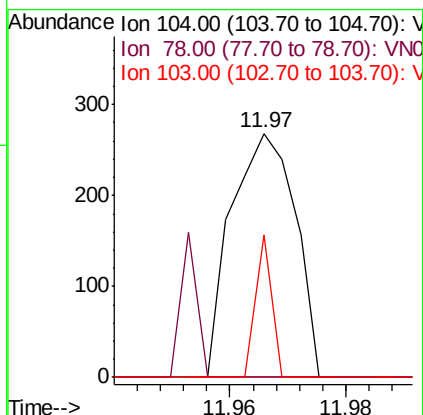
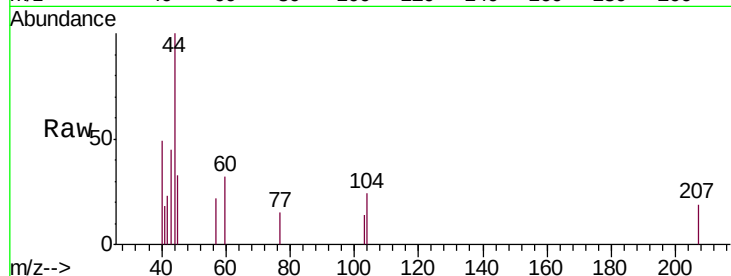




#70
Stvrene
Concen: 0.93 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050058.D
Acq: 25 Jul 2018 21:50

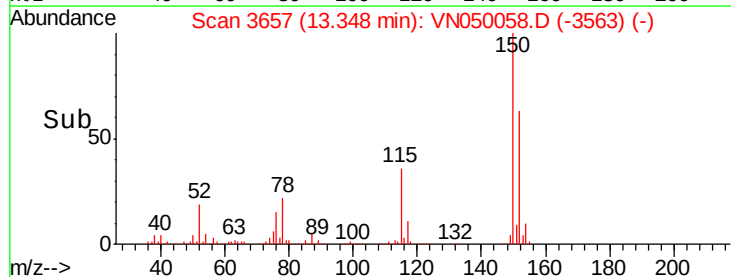
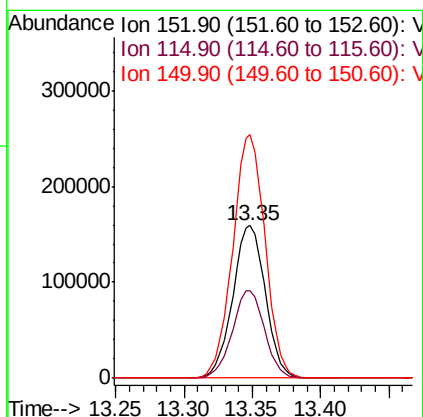
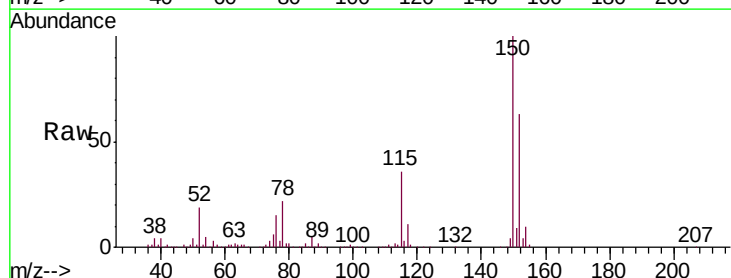
Instrument :
MSVOA_N
ClientSampleId :
PB111424ZHE#05

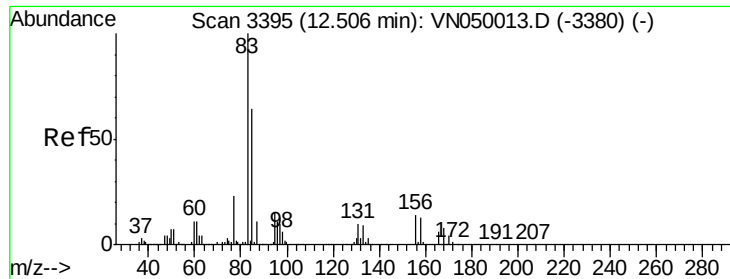
Tot Ion:104 Resp: 204
Ion Ratio Lower Upper
104 100
78 15.2 39.3 58.9#
103 14.7 45.0 67.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN050058.D
Acq: 25 Jul 2018 21:50

Tgt Ion:152 Resp: 263907
Ion Ratio Lower Upper
152 100
115 56.6 27.8 83.3
150 158.5 0.0 348.6





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3366

Delta R.T. -0.09 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

PB111424ZHE#05

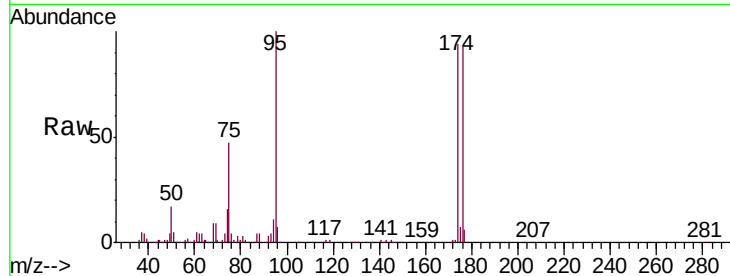
Tot Ion: 83 Resp: 259

Ion Ratio Lower Upper

83 100

131 167.6 5.1 15.3#

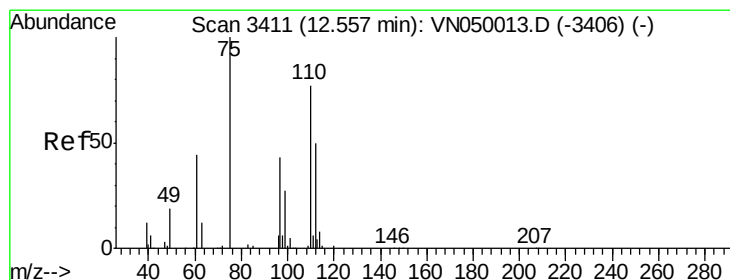
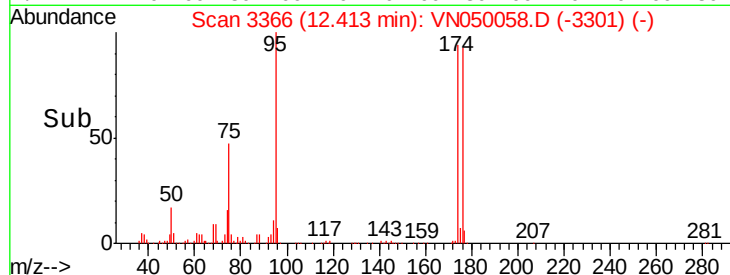
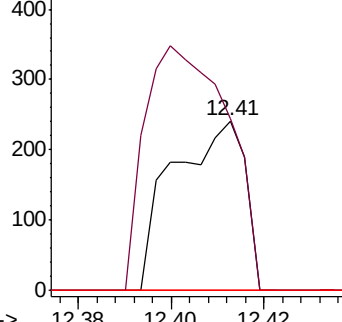
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050058.D

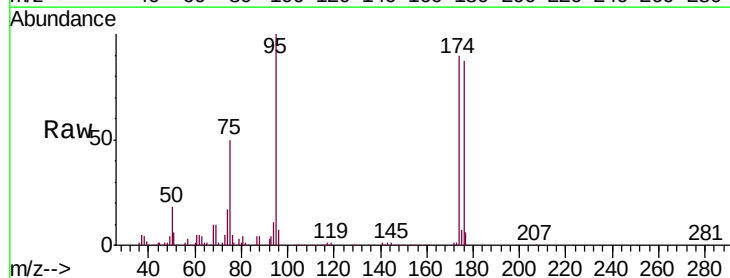
Acq: 25 Jul 2018 21:50

Tgt Ion: 75 Resp: 172298

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

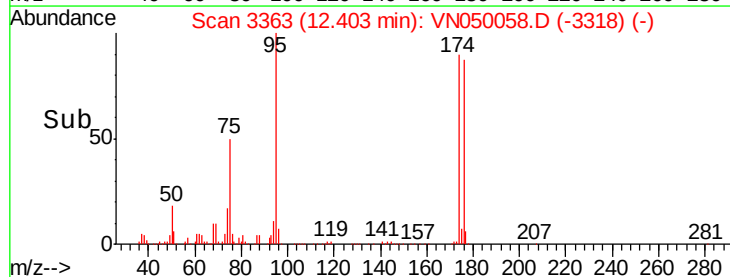
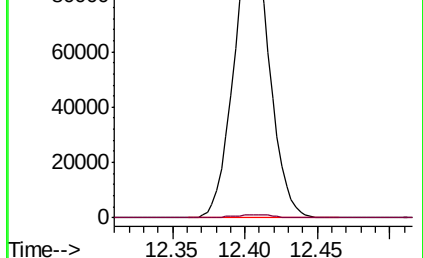
80000

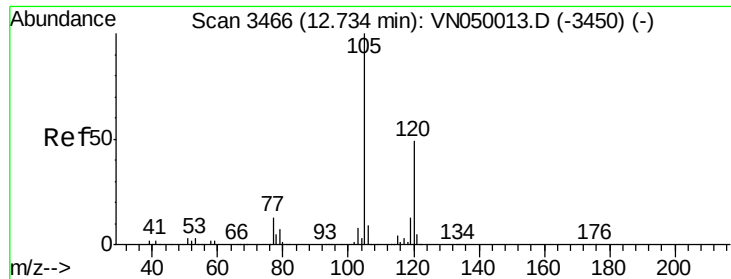
60000

40000

20000

0

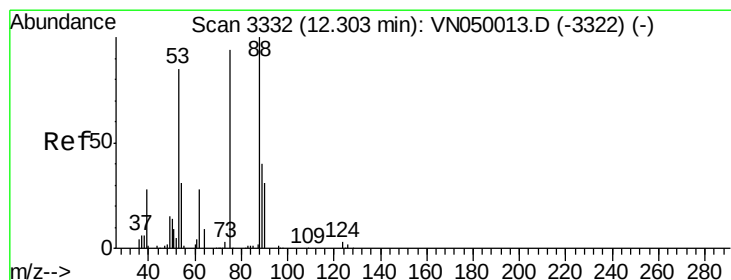
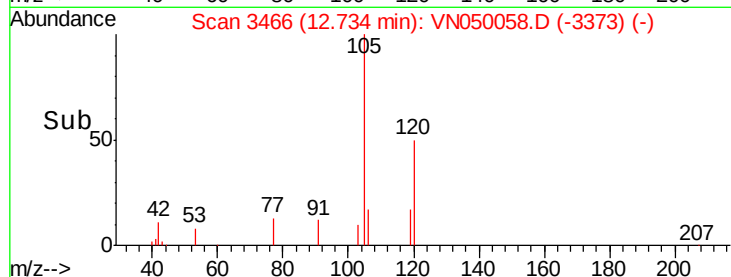
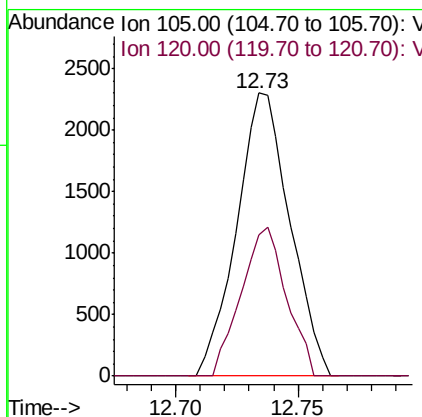
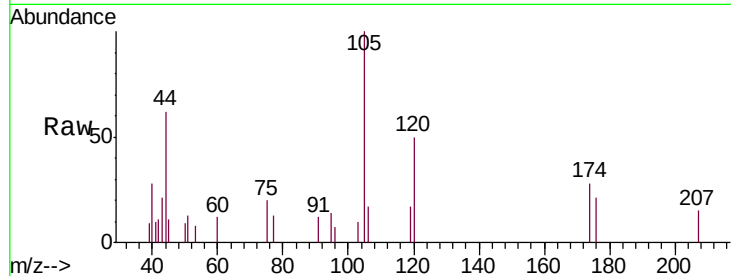




#80
 1,3,5-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050058.D
 Acq: 25 Jul 2018 21:50

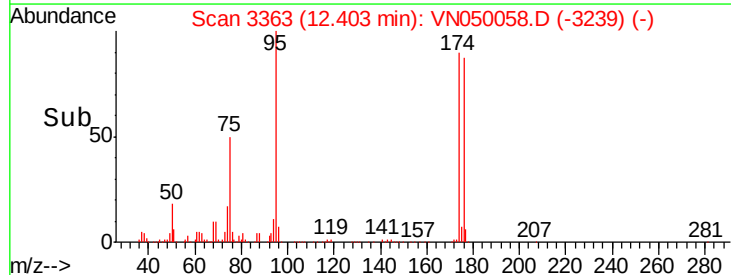
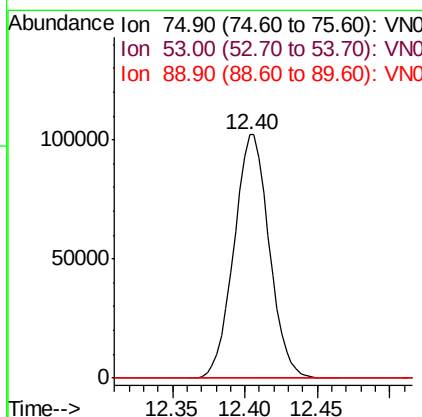
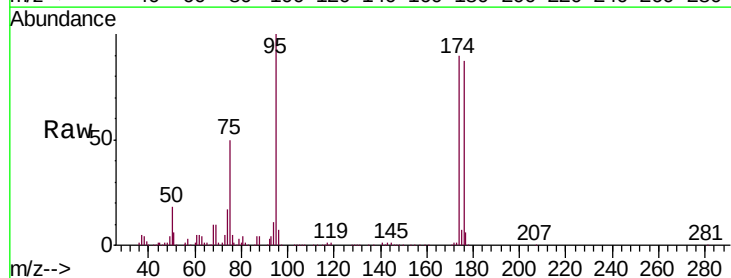
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111424ZHE#05

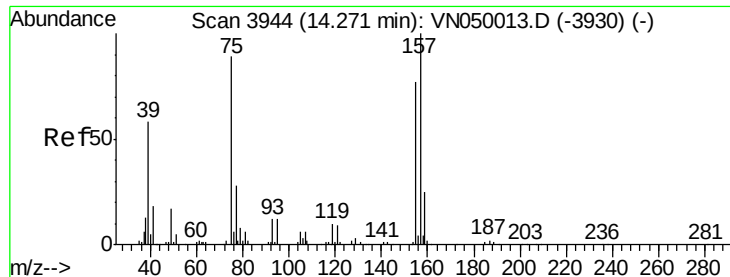
Tot Ion:105 Resp: 3477
 Ion Ratio Lower Upper
 105 100
 120 44.7 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.43 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050058.D
 Acq: 25 Jul 2018 21:50

Tgt Ion: 75 Resp: 172298
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.5 110.3#
 89 0.0 36.0 54.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

PB111424ZHE#05

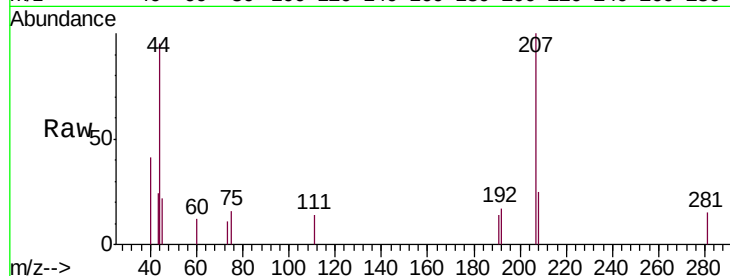
Tot Ion: 75 Resp: 114

Ion Ratio Lower Upper

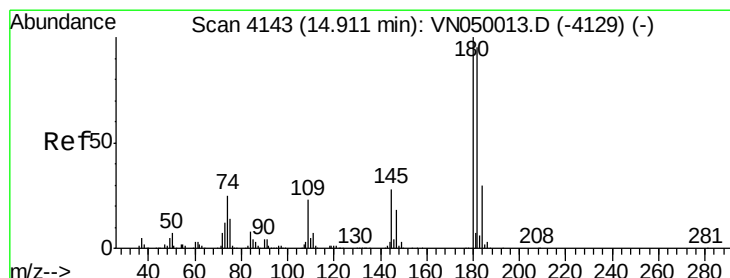
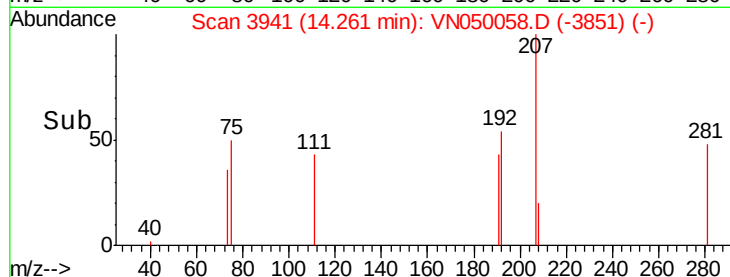
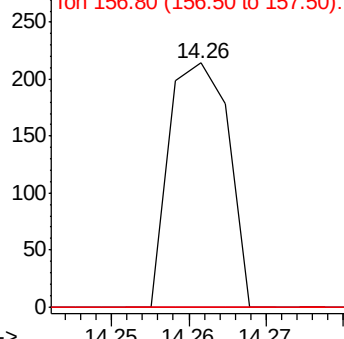
75 100

155 0.0 44.8 134.4#

157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN050013.D (-3930) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.13 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.01 min

Lab File: VN050058.D

Acq: 25 Jul 2018 21:50

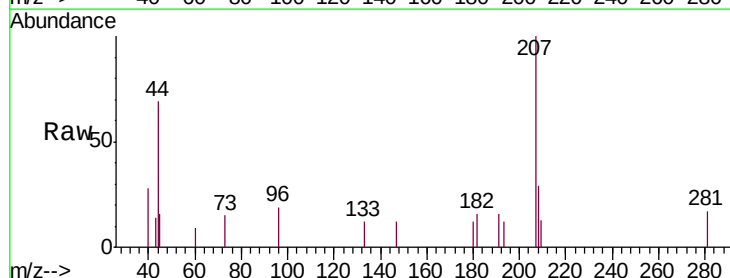
Tgt Ion: 180 Resp: 248

Ion Ratio Lower Upper

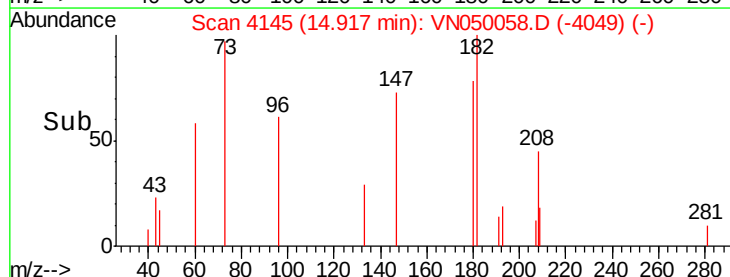
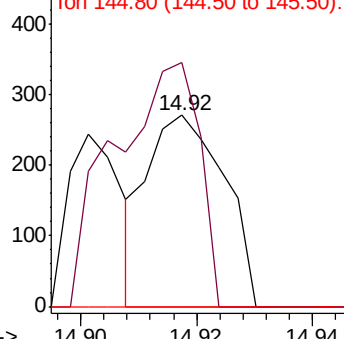
180 100

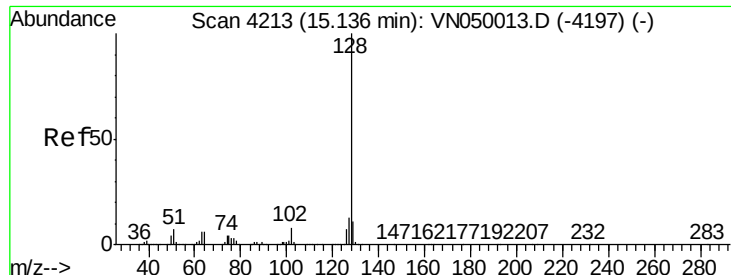
182 141.9 46.7 140.1#

145 0.0 13.8 41.4#



Abundance Ion 179.80 (179.50 to 180.50): VN050013.D (-4129) (-)

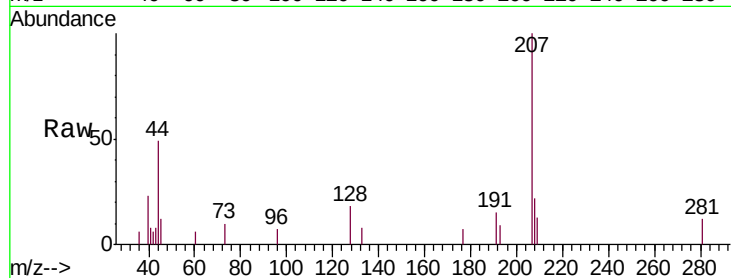




#95
Naphthalene
Concen: 4.48 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050058.D
Acq: 25 Jul 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
PB111424ZHE#05

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

