

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053071.D
 Acq On : 20 Dec 2018 22:35
 Operator : MD\SY
 Sample : VN1220WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBL02

Quant Time: Dec 21 02:37:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1288313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1976146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1783176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	739876	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	632706	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	7.59	113	523227	57.96	ug/l	0.00
Spiked Amount			Recovery	=	115.92%	
50) Toluene-d8	10.09	98	2419239	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	813928	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	

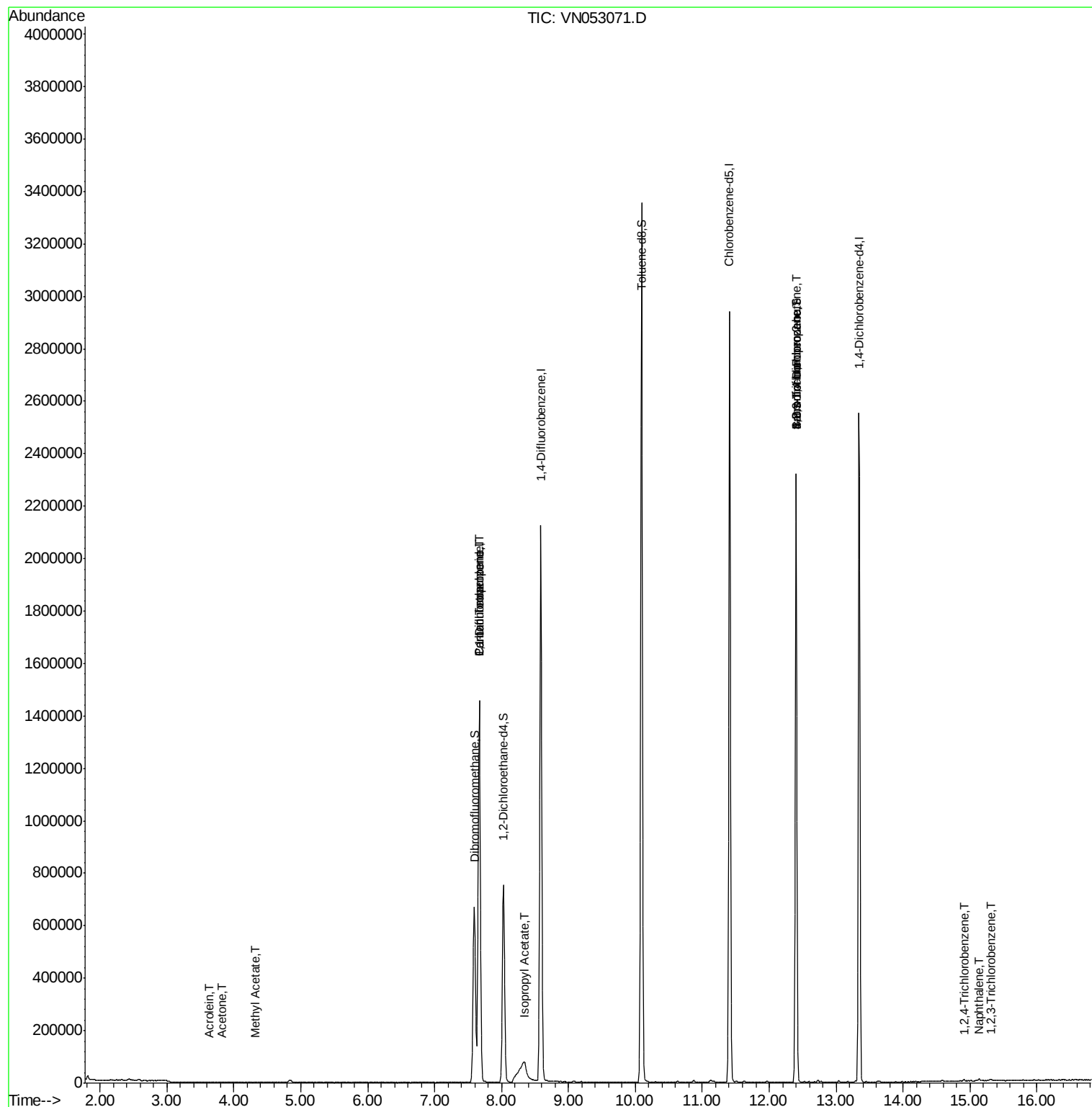
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.63	56	421	0.582	ug/l #	65
16) Acetone	3.84	43	2501	0.976	ug/l #	43
18) Methyl Acetate	4.32	43	1075	1.083	ug/l #	51
31) Cyclohexane	7.66	56	20694	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	82653	4.358	ug/l #	49
38) Carbon Tetrachloride	7.67	117	111538	6.416	ug/l #	16
43) Isopropyl Acetate	8.34	43	216499	9.724	ug/l #	53
71) Bromoform	12.40	173	4566	0.460	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	377930	30.344	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	377930	97.801	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	2245	0.763	ug/l	96
94) Hexachlorobutadiene	15.01	225	694	Below Cal	#	33
95) Naphthalene	15.13	128	7752	1.407	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	2983	0.755	ug/l	95

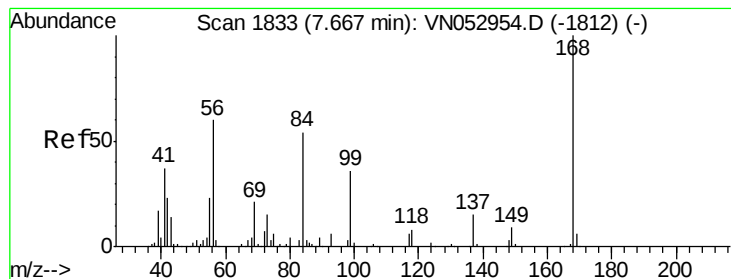
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053071.D

Acq: 20 Dec 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

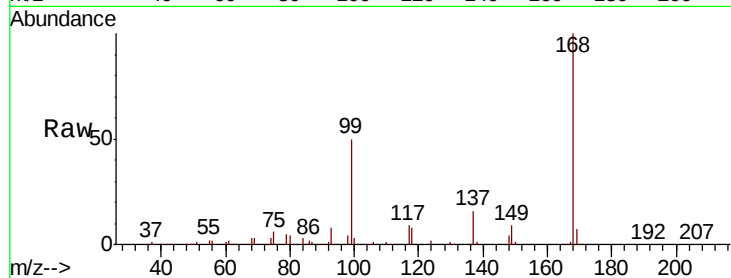
VN1220WBL02

Tot Ion:168 Resp: 1288313

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

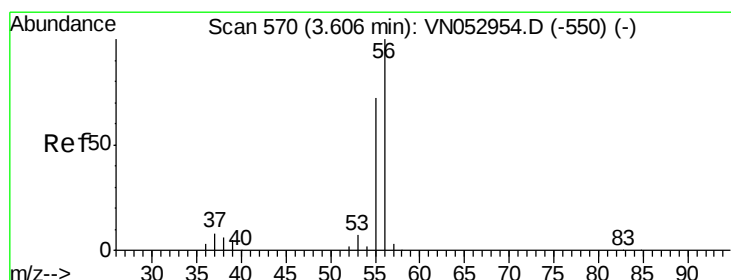
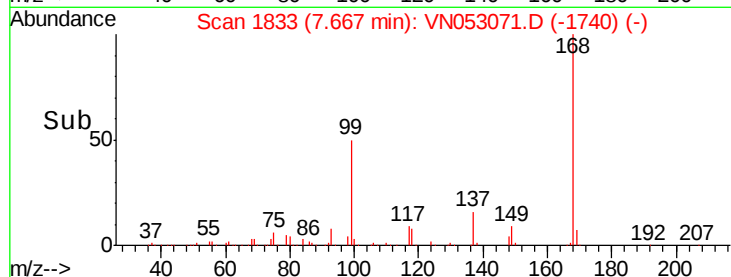
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.582 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.02 min

Lab File: VN053071.D

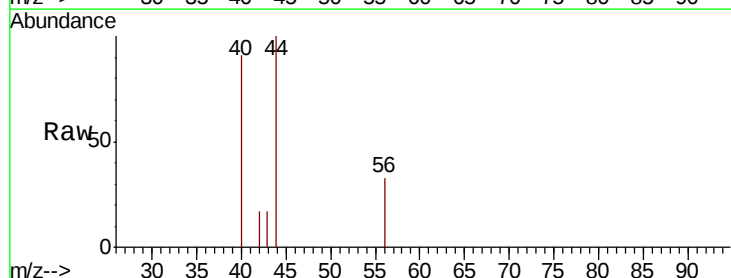
Acq: 20 Dec 2018 22:35

Tgt Ion: 56 Resp: 421

Ion Ratio Lower Upper

56 100

55 42.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.63

400

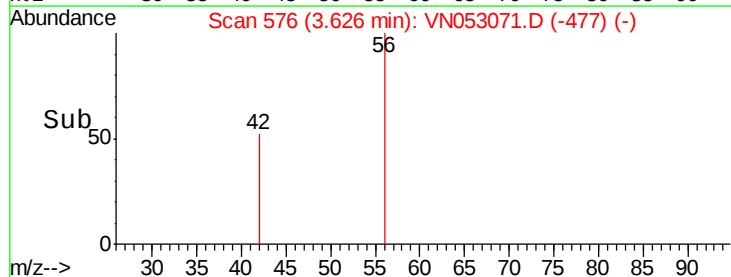
300

200

100

0

Time-->





#16

Acetone

Concen: 0.976 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.03 min

Lab File: VN053071.D

Acq: 20 Dec 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

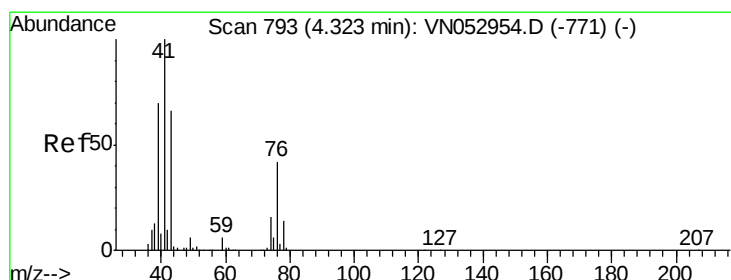
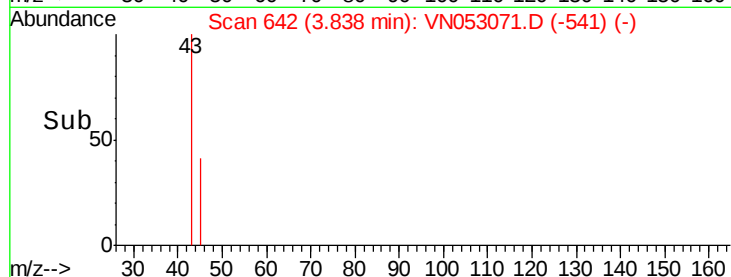
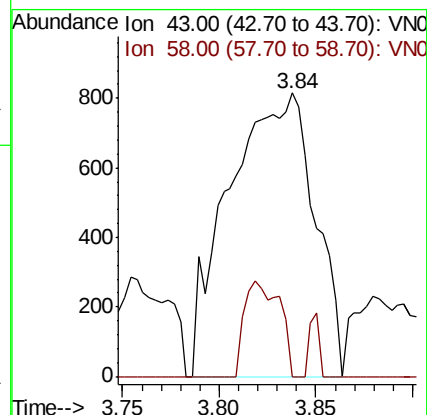
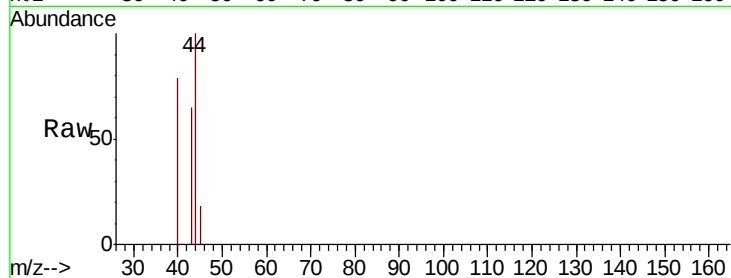
VN1220WBL02

Tot Ion: 43 Resp: 2501

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#



#18

Methyl Acetate

Concen: 1.083 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.01 min

Lab File: VN053071.D

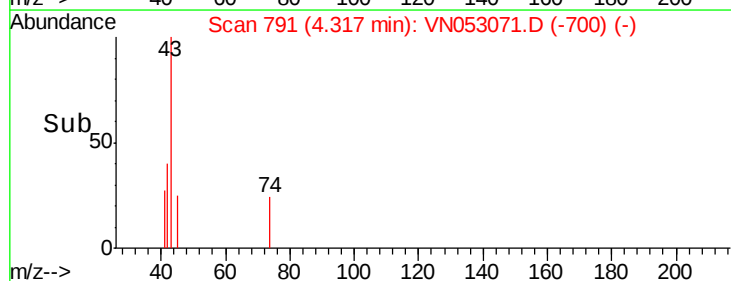
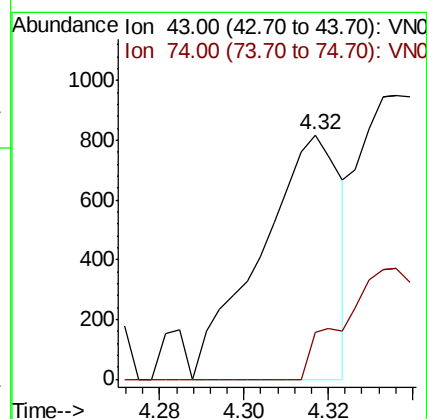
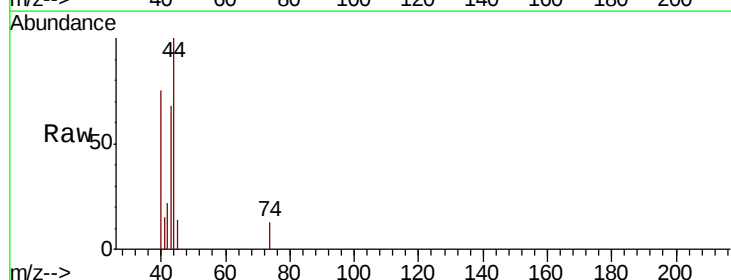
Acq: 20 Dec 2018 22:35

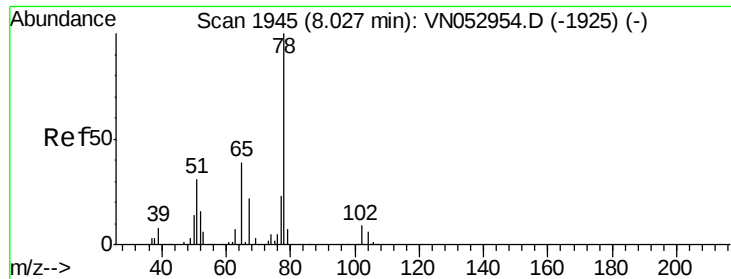
Tgt Ion: 43 Resp: 1075

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

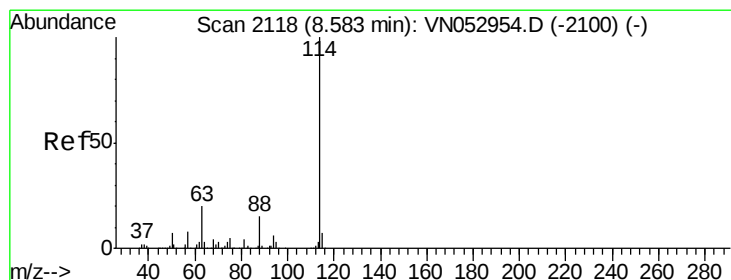
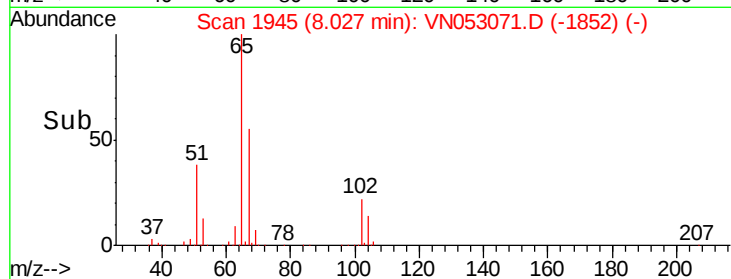
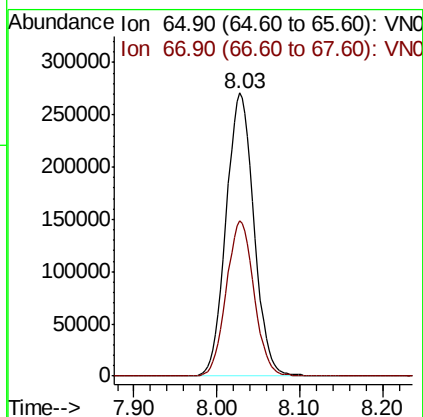
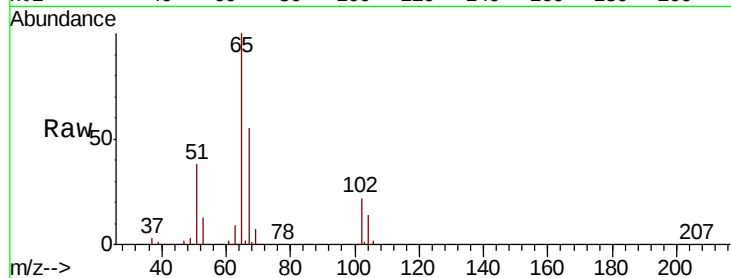




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053071.D
 Acq: 20 Dec 2018 22:35

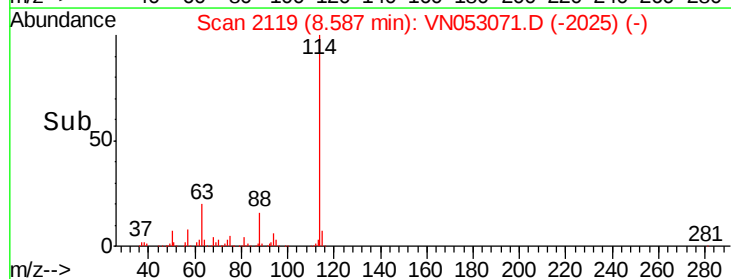
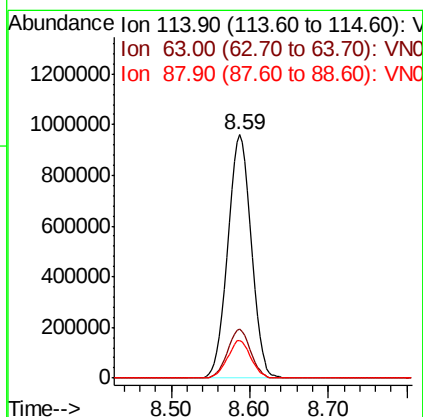
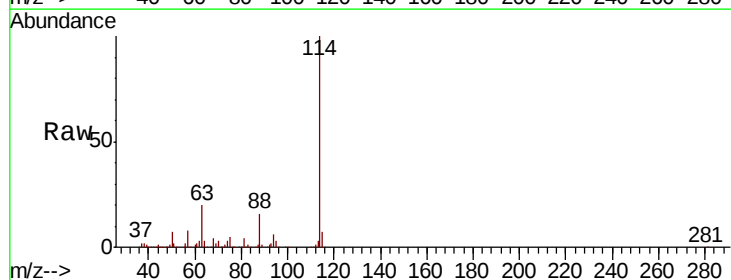
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBL02

Tot Ion: 65 Resp: 632706
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053071.D
 Acq: 20 Dec 2018 22:35

Tgt Ion: 114 Resp: 1976146
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.6 0.0 31.0

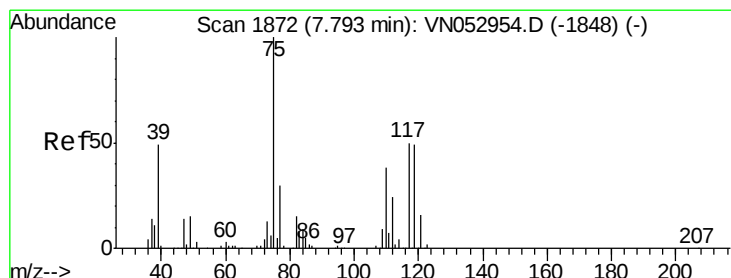
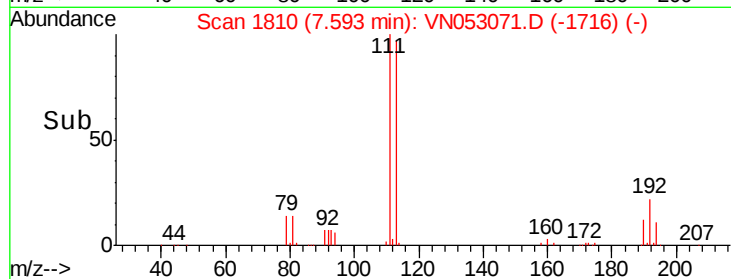
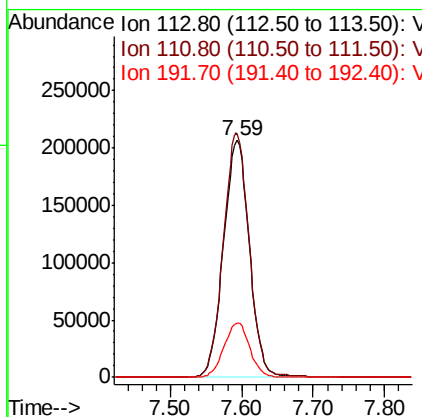
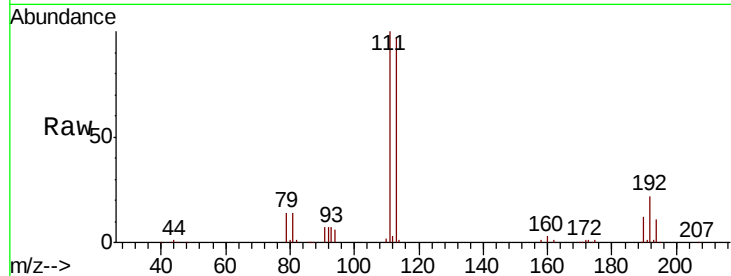




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053071.D
 Acq: 20 Dec 2018 22:35

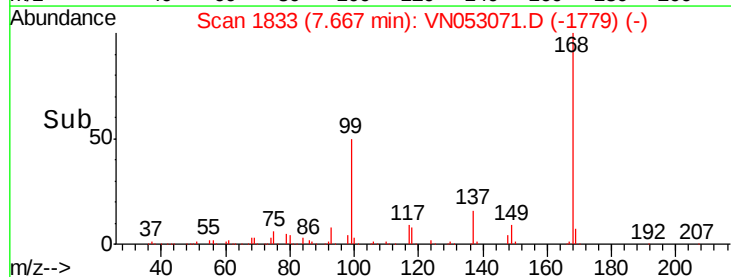
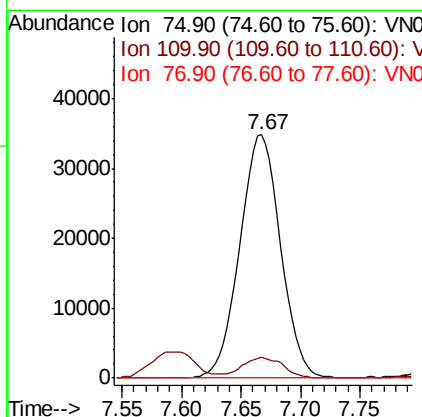
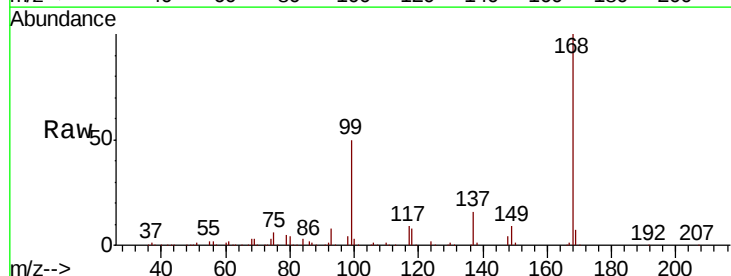
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBL02

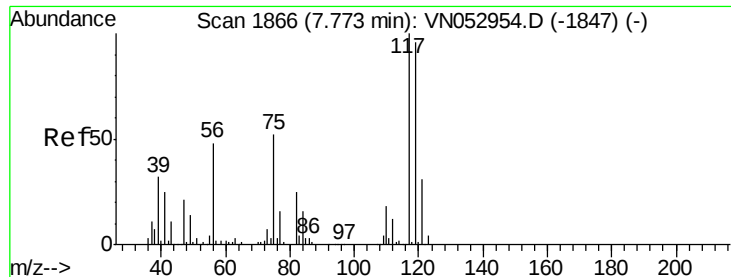
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.4
192	22.7	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.358 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053071.D
 Acq: 20 Dec 2018 22:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.416 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053071.D

Acq: 20 Dec 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBL02

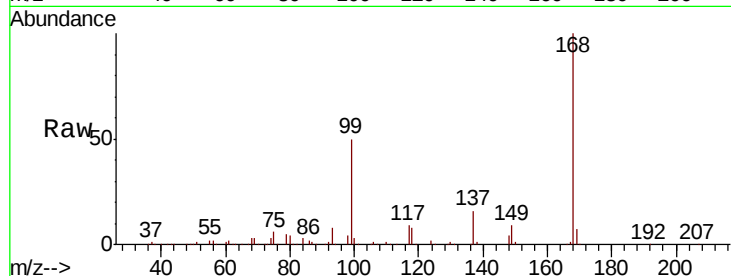
Tot Ion:117 Resp: 111538

Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

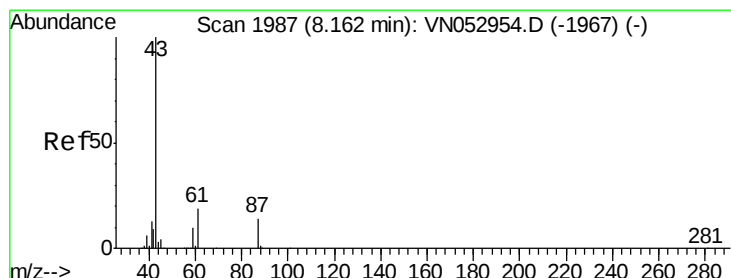
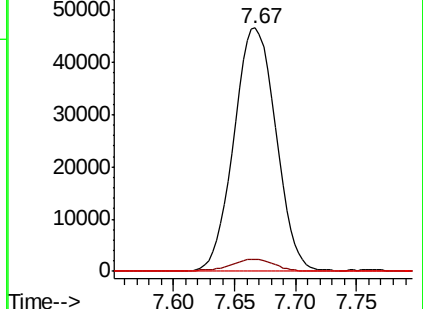
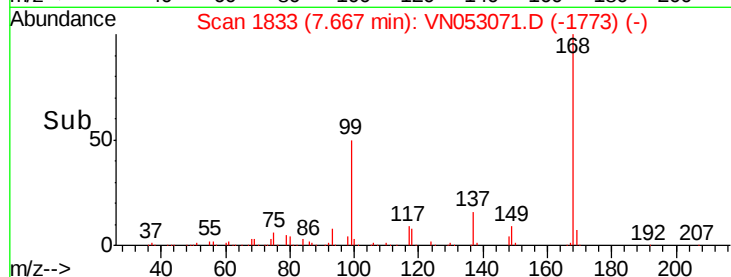
121 0.0 24.9 37.3#



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: 9.724 ug/l

RT: 8.34 min Scan# 2042

Delta R.T. 0.18 min

Lab File: VN053071.D

Acq: 20 Dec 2018 22:35

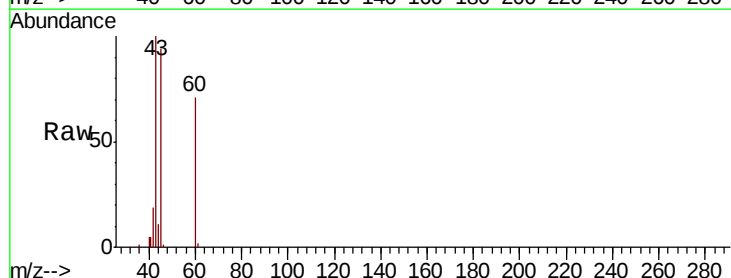
Tgt Ion: 43 Resp: 216499

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

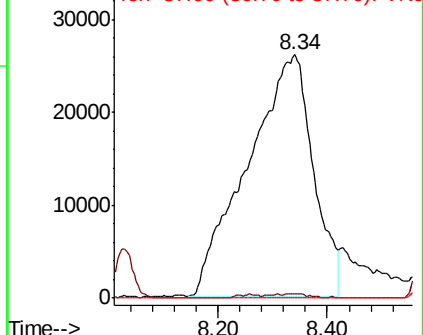
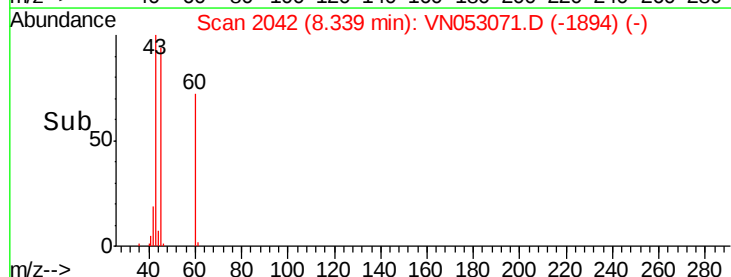
87 0.0 10.6 15.8#

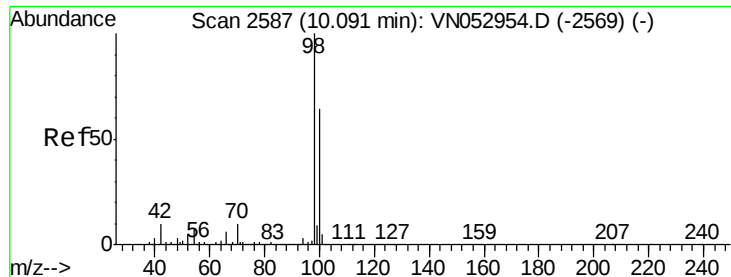


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053071.D

Acq: 20 Dec 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

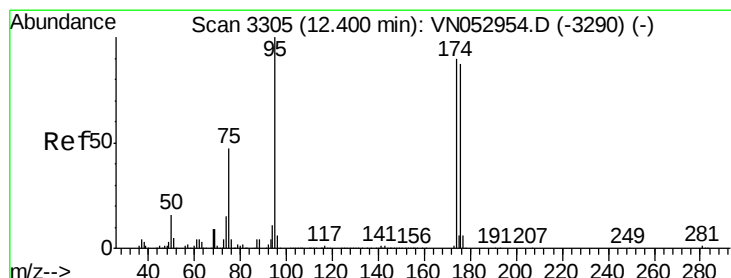
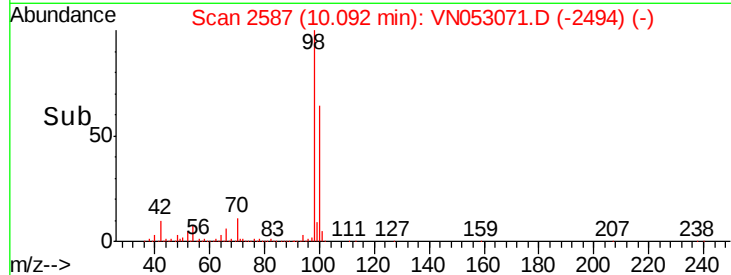
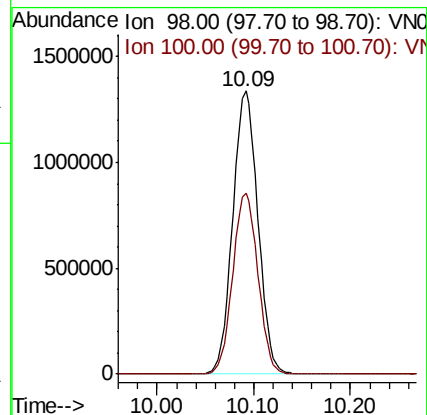
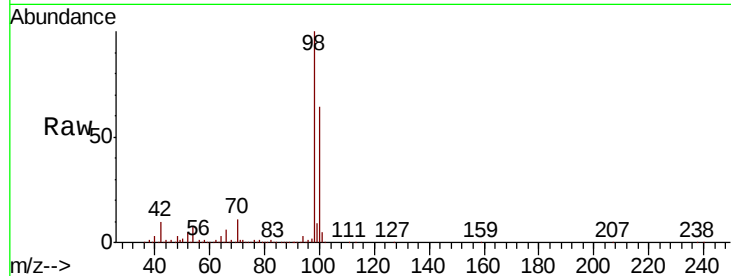
VN1220WBL02

Tot Ion: 98 Resp: 2419239

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053071.D

Acq: 20 Dec 2018 22:35

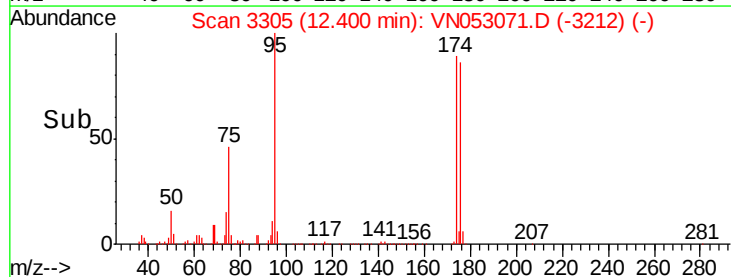
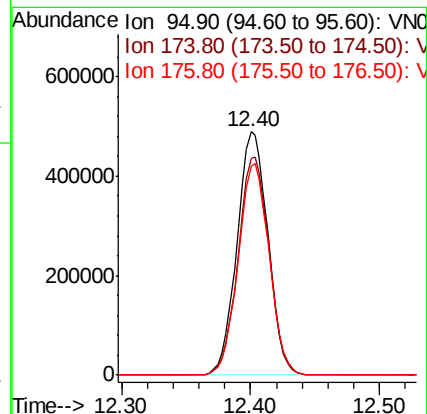
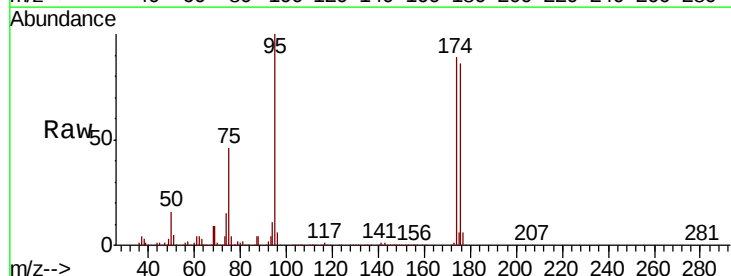
Tgt Ion: 95 Resp: 813928

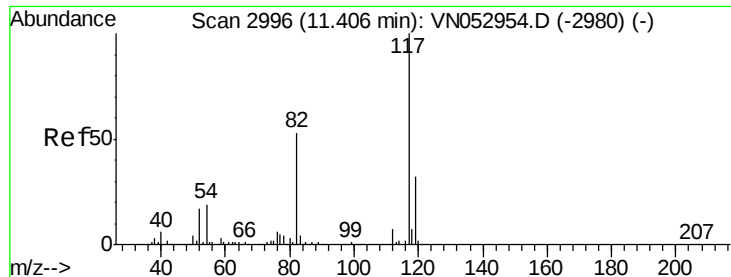
Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.8

176 87.0 0.0 173.8

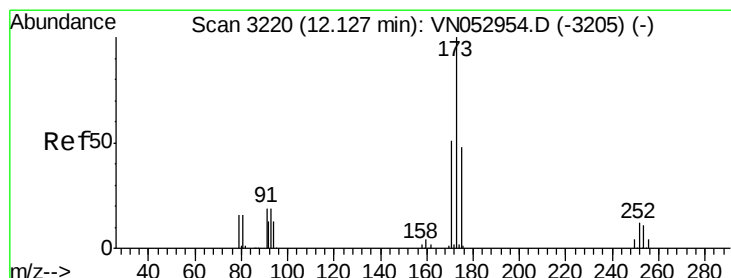
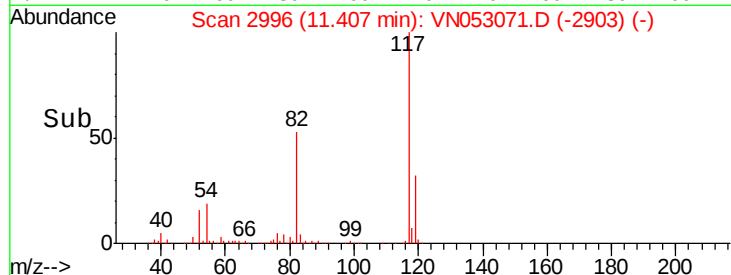
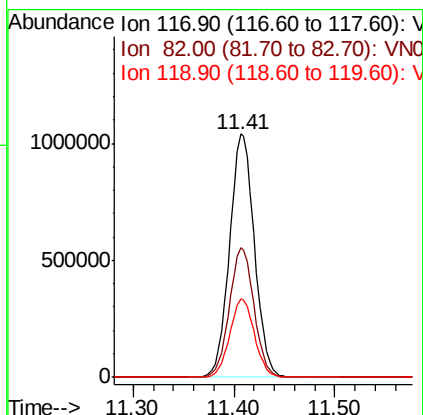
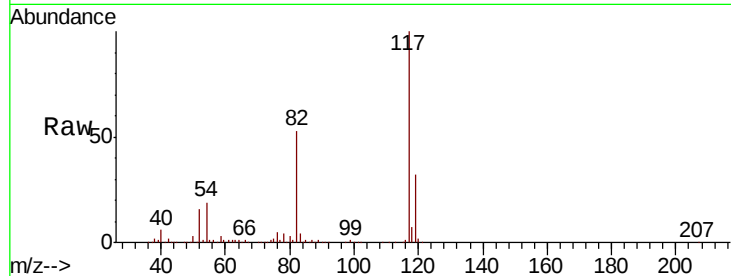




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053071.D
Acq: 20 Dec 2018 22:35

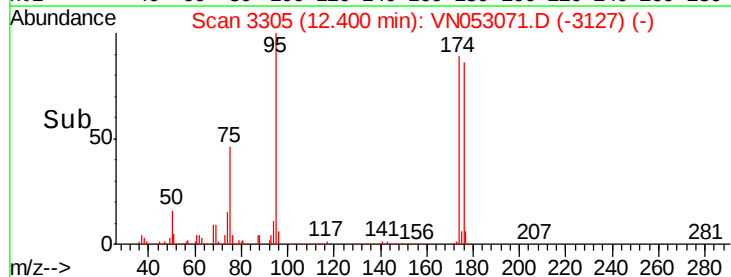
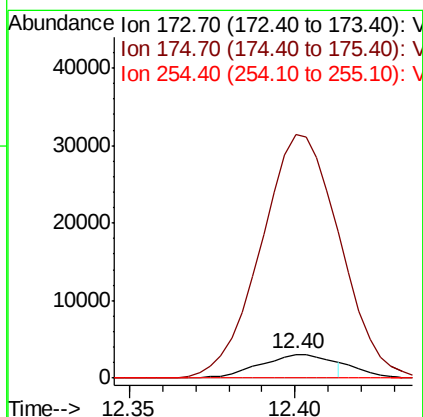
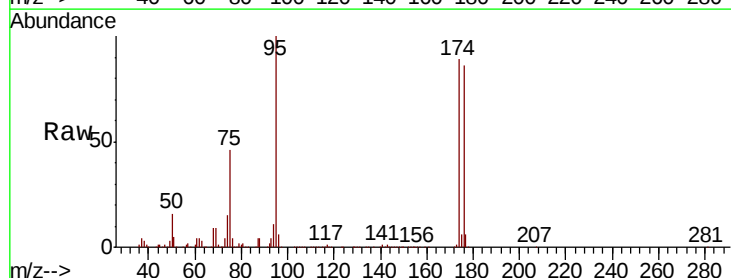
Instrument :
MSVOA_N
ClientSampled :
VN1220WBL02

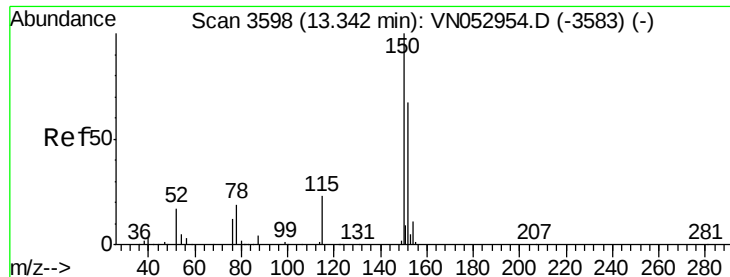
Tot Ion:117 Resp: 1783176
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.460 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053071.D
Acq: 20 Dec 2018 22:35

Tgt Ion:173 Resp: 4566
Ion Ratio Lower Upper
173 100
175 1003.3 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053071.D

Acq: 20 Dec 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBL02

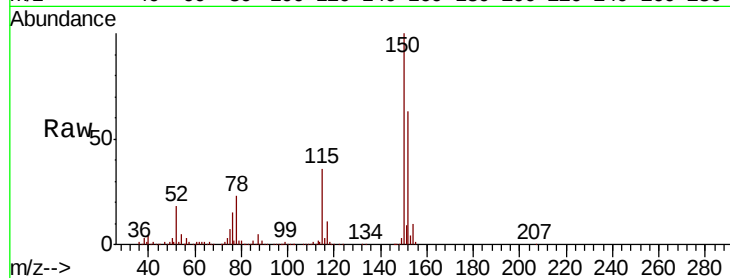
Tot Ion:152 Resp: 739876

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

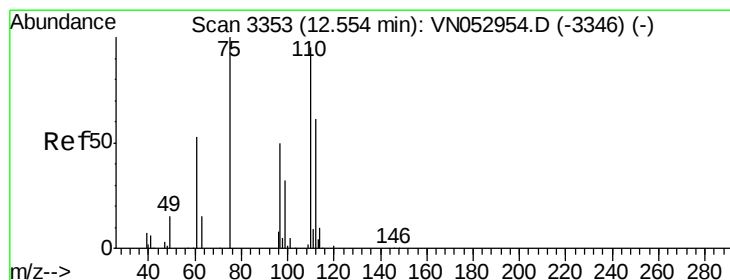
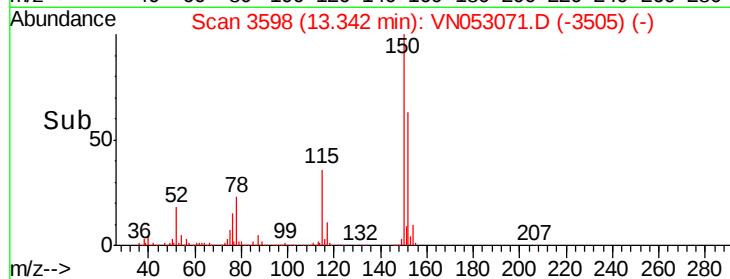
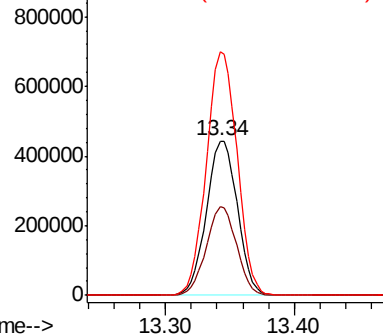
150 156.7 0.0 347.8



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: 30.344 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053071.D

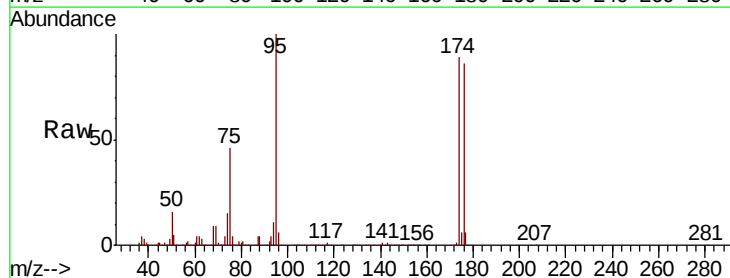
Acq: 20 Dec 2018 22:35

Tgt Ion: 75 Resp: 377930

Ion Ratio Lower Upper

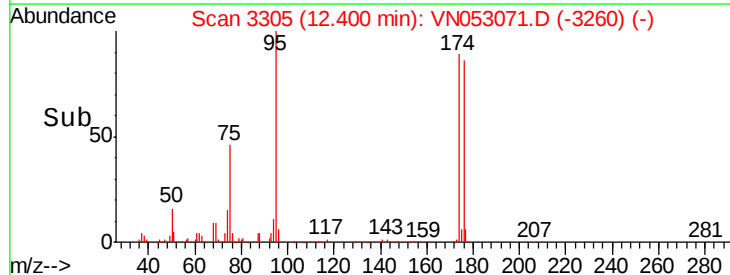
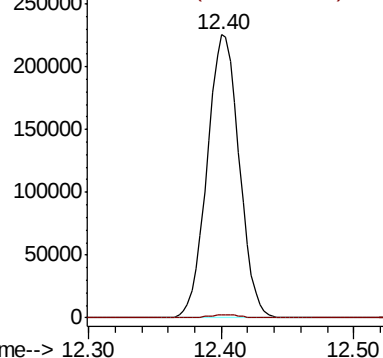
75 100

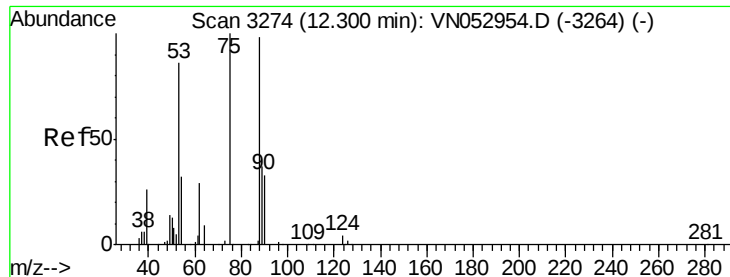
77 1.1 0.0 0.0#



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: 97.801 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053071.D

Acq: 20 Dec 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBL02

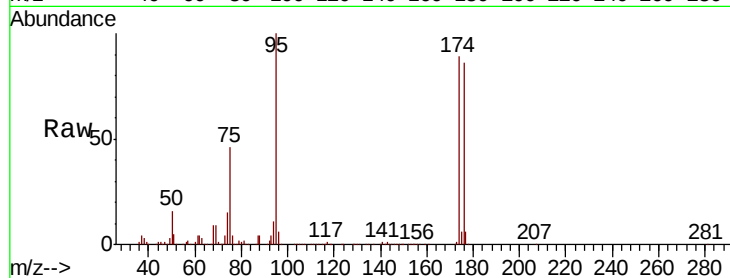
Tot Ion: 75 Resp: 377930

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

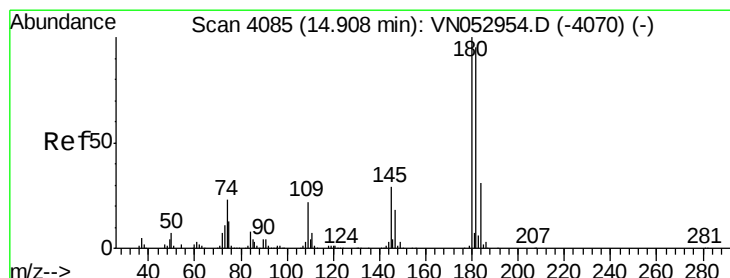
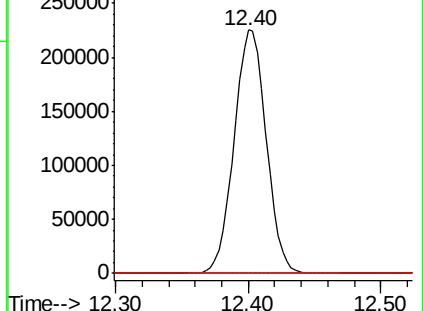
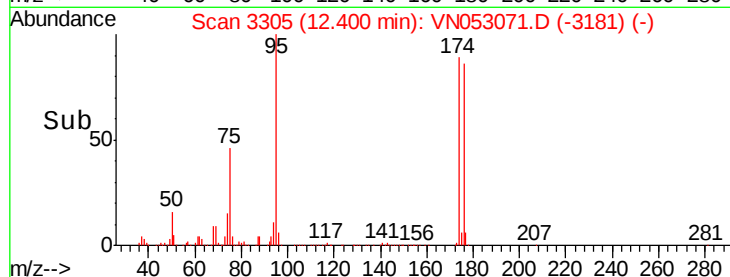
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN053071.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053071.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053071.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.763 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053071.D

Acq: 20 Dec 2018 22:35

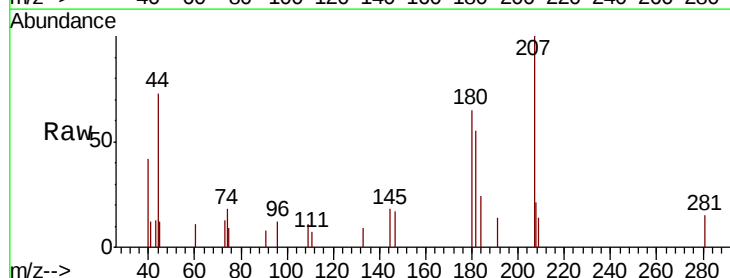
Tgt Ion: 180 Resp: 2245

Ion Ratio Lower Upper

180 100

182 99.1 47.8 143.3

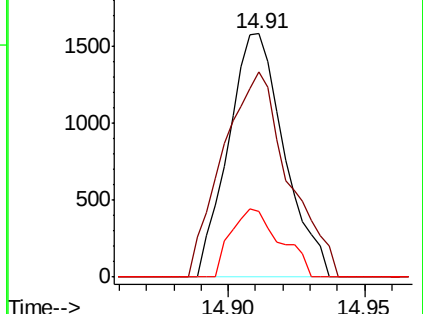
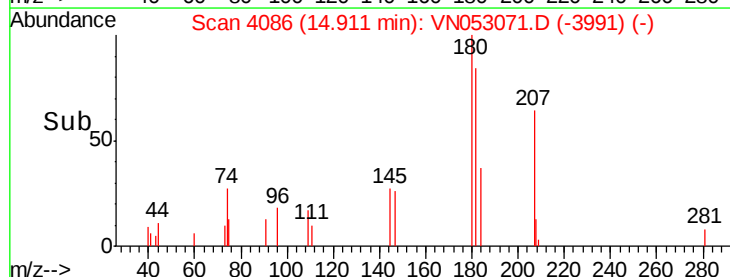
145 25.1 14.2 42.6

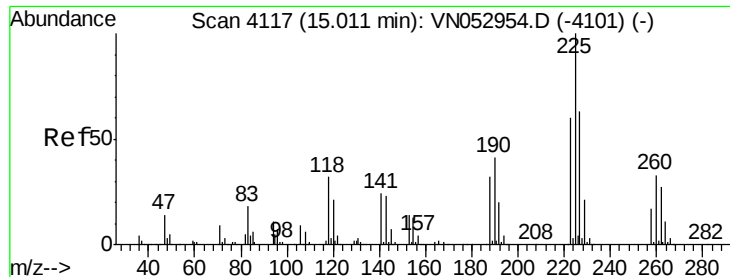


Abundance Ion 179.80 (179.50 to 180.50): VN053071.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN053071.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN053071.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

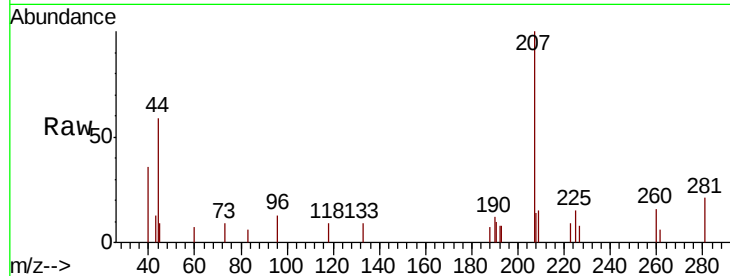
Delta R.T. 0.00 min

Lab File: VN053071.D

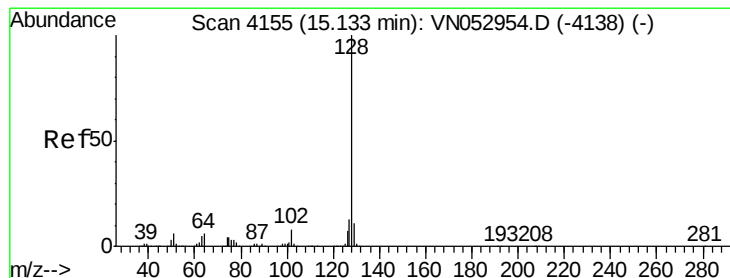
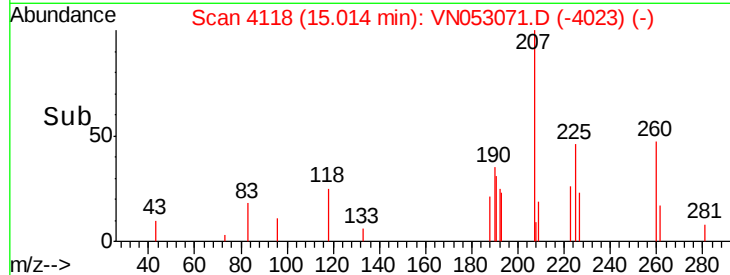
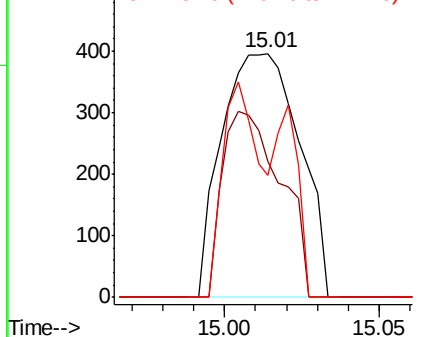
Acq: 20 Dec 2018 22:35

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBL02

Tot Ion:	225	Resp:	694
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.5	94.5#
227	22.0	31.9	95.7#



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.407 ug/l

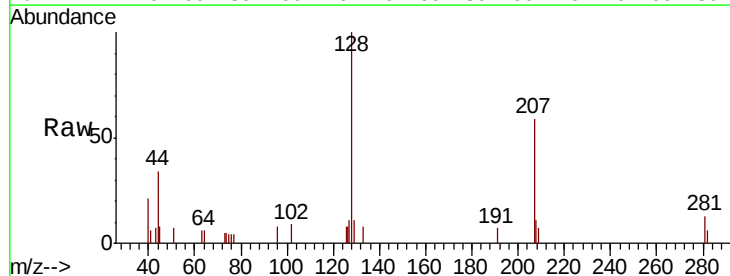
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

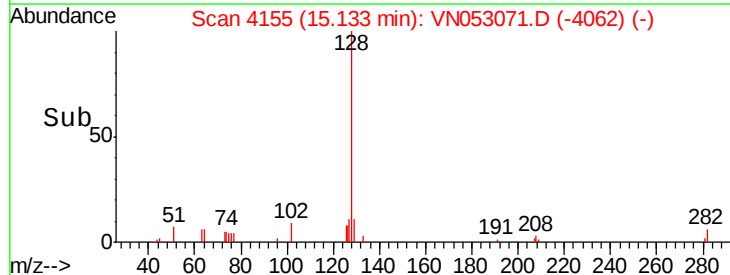
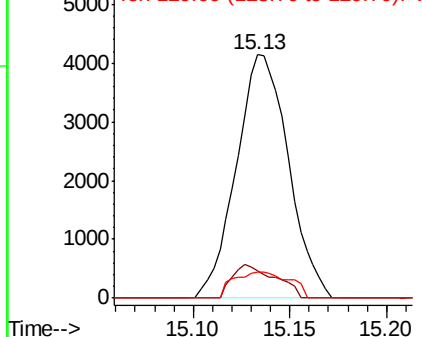
Lab File: VN053071.D

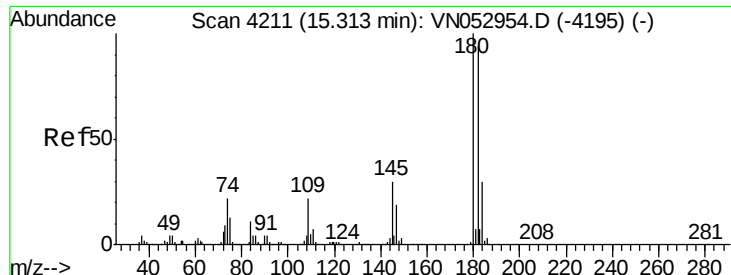
Acq: 20 Dec 2018 22:35

Tgt Ion:	128	Resp:	7752
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.2	15.4
129	11.4	8.6	13.0



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

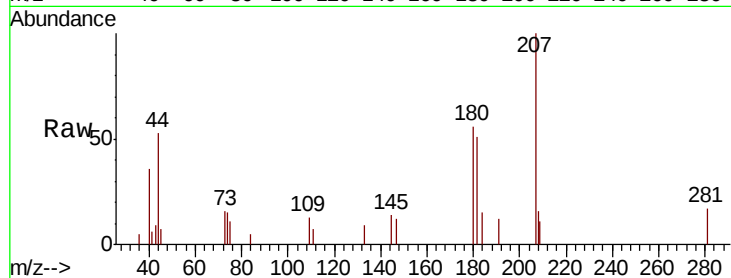




#96
 1,2,3-Trichlorobenzene
 Concen: 0.755 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053071.D
 Acq: 20 Dec 2018 22:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.7
145	19.8	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

