

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091519\
 Data File : VN058078.D
 Acq On : 15 Sep 2019 9:23
 Operator : JC/SP
 Sample : K4877-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 03:37:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	347485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	571889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	507081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	372899	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
35) Dibromofluoromethane	7.58	113	259692	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	10.09	98	1011127	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	333345	42.68	ug/l	0.00
Spiked Amount			Recovery	=	85.36%	

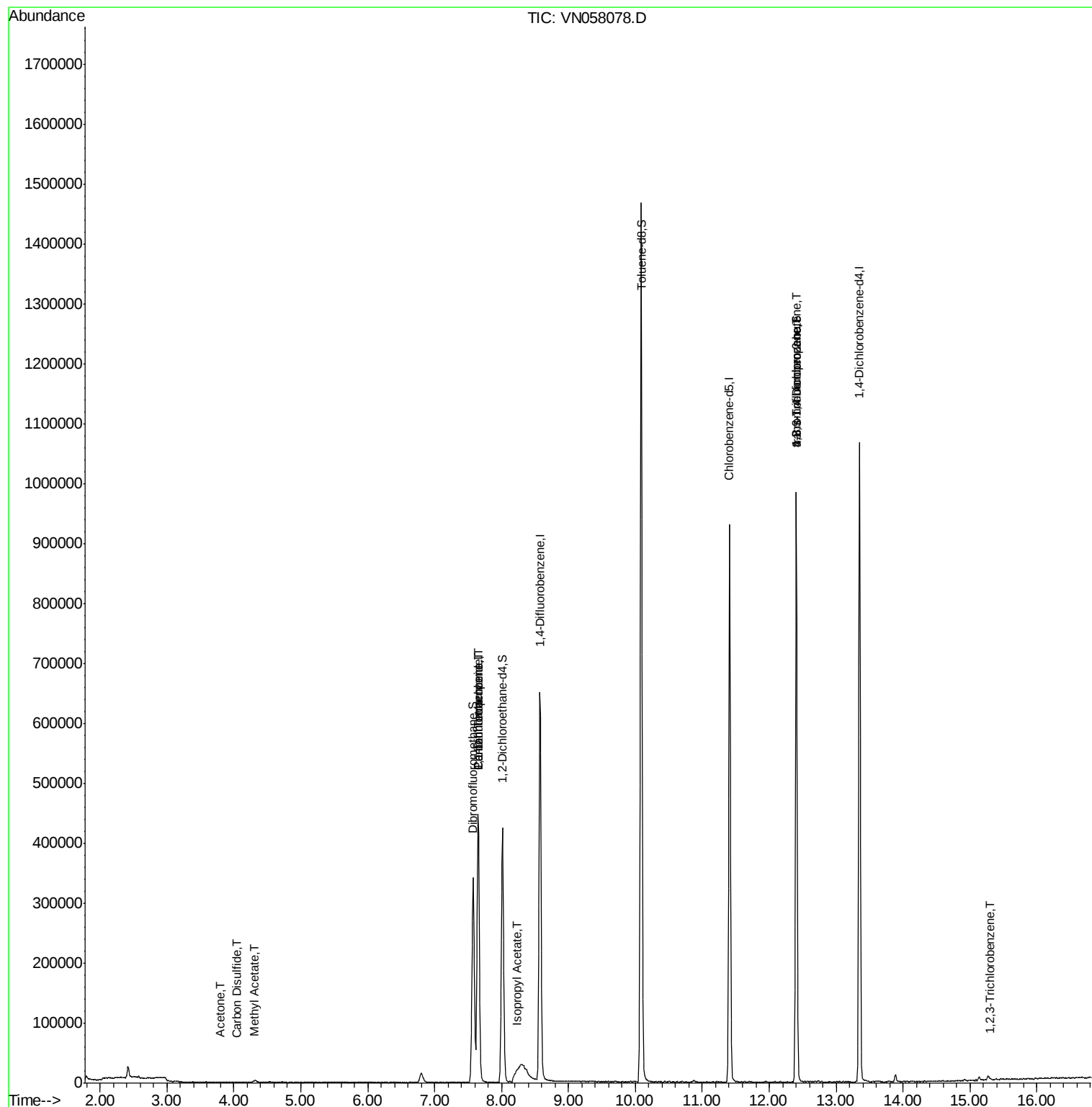
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	459	Below Cal	#	60
16) Acetone	3.81	43	468	0.203	ug/l #	47
17) Carbon Disulfide	4.03	76	392	0.226	ug/l #	75
18) Methyl Acetate	4.31	43	6872	1.117	ug/l #	72
20) Methylene Chloride	4.54	84	504	Below Cal	#	46
31) Cyclohexane	7.65	56	9001	Below Cal	#	9
36) 1,1-Dichloropropene	7.65	75	30664	4.623	ug/l #	51
38) Carbon Tetrachloride	7.65	117	36059	5.955	ug/l #	16
43) Isopropyl Acetate	8.22	43	17906	1.554	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	181847	29.882	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	181847	105.154	ug/l #	6
95) Naphthalene	15.14	128	4335	Below Cal		95
96) 1,2,3-Trichlorobenzene	15.30	180	984	1.175	ug/l #	75

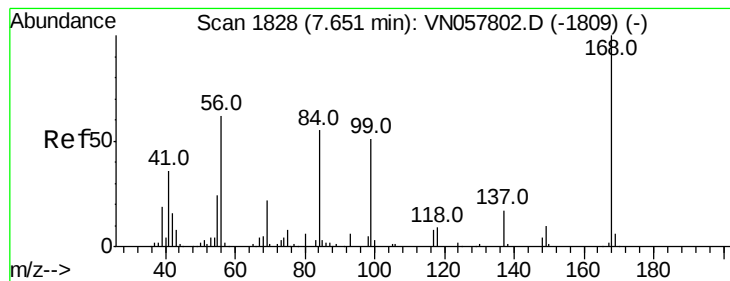
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

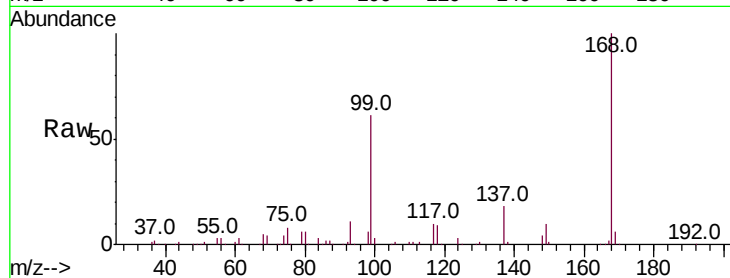
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 347485

Ion Ratio Lower Upper

168 100

99 60.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

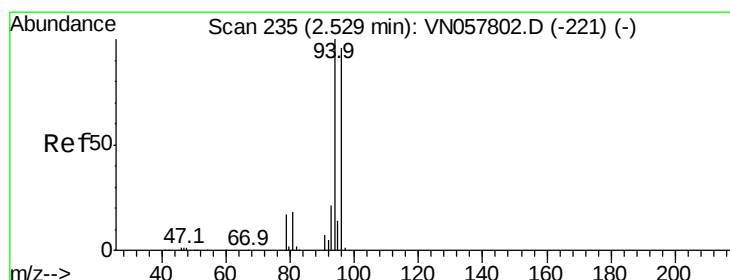
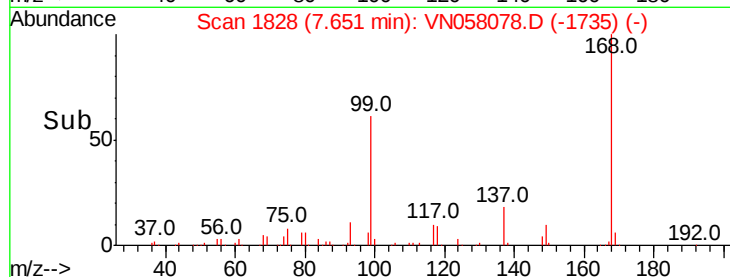
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058078.D

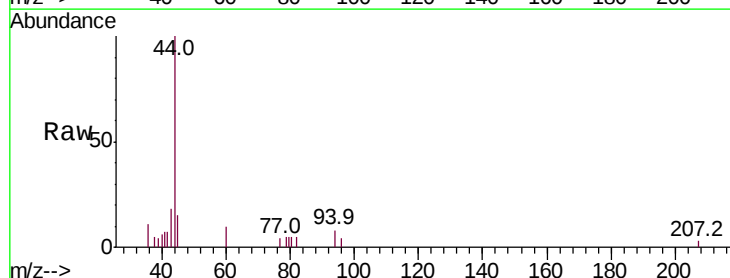
Acq: 15 Sep 2019 9:23

Tgt Ion: 94 Resp: 459

Ion Ratio Lower Upper

94 100

96 56.7 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

400

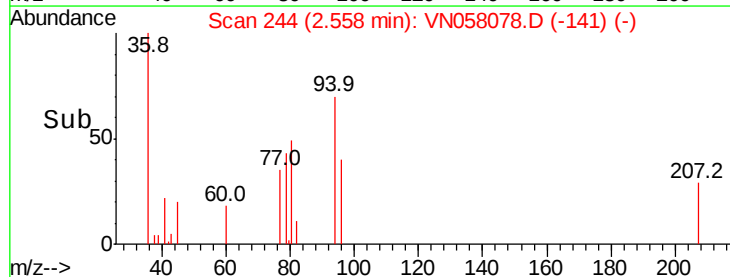
300

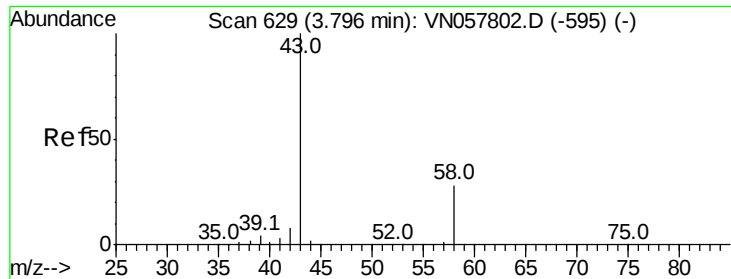
200

100

0

Time-->





#16

Acetone

Concen: 0.203 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

Instrument :

MSVOA_N

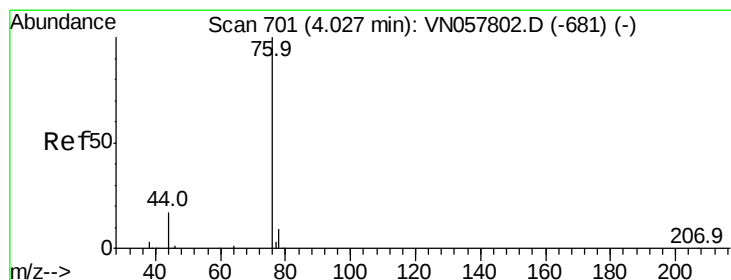
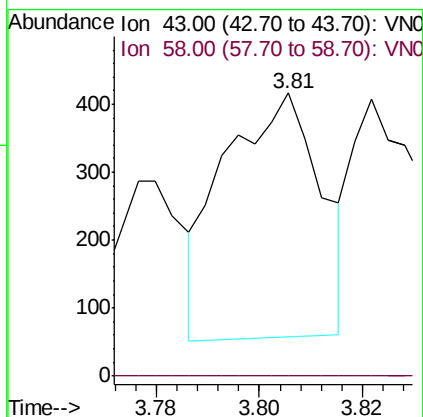
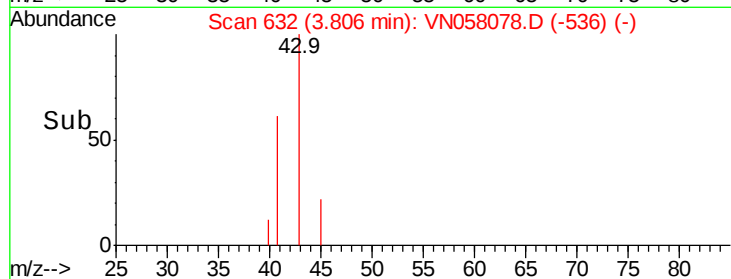
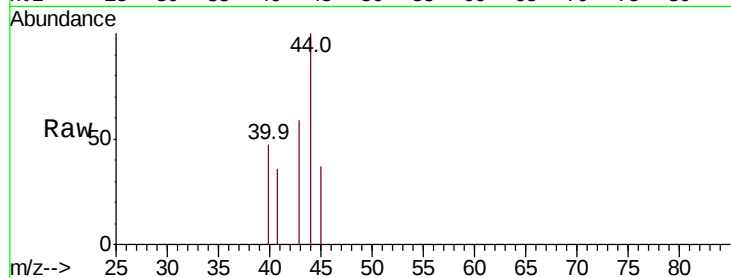
ClientSampled :

Tot Ion: 43 Resp: 468

Ion Ratio Lower Upper

43 100

58 0.0 22.2 33.2#



#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058078.D

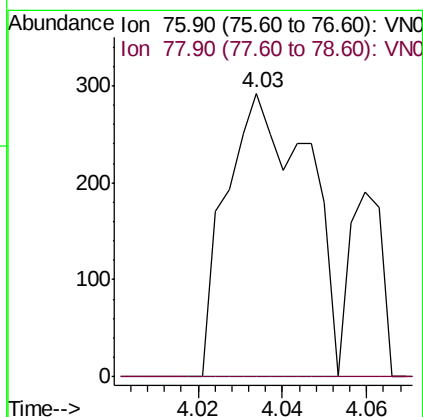
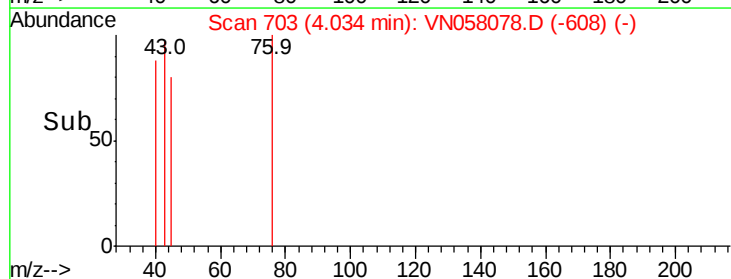
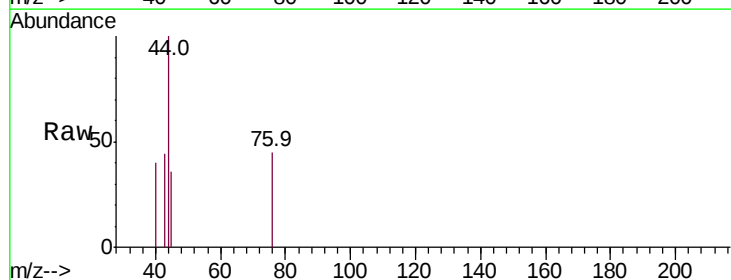
Acq: 15 Sep 2019 9:23

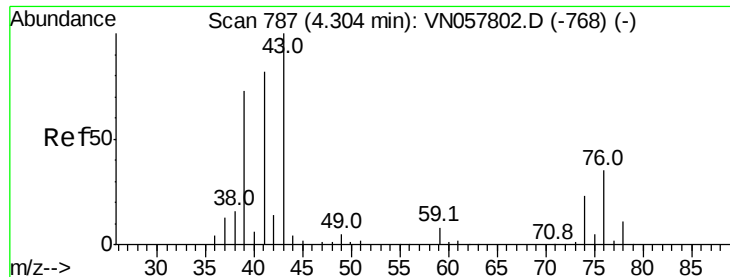
Tgt Ion: 76 Resp: 392

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

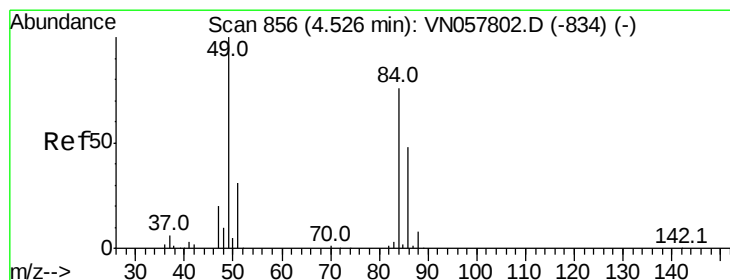
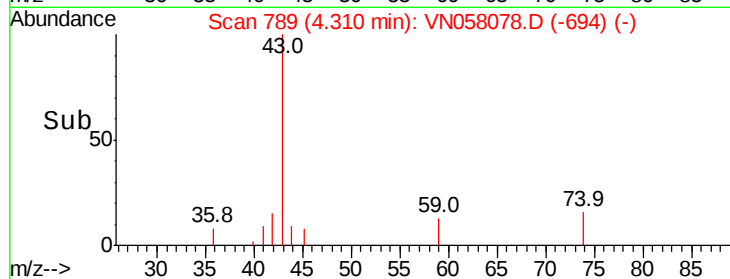
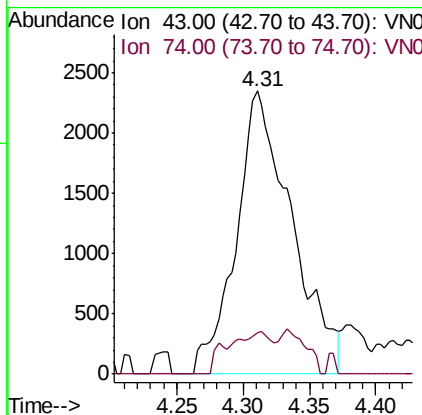
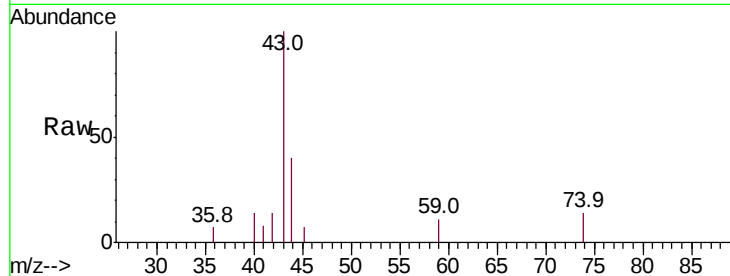




#18
Methyl Acetate
Concen: 1.117 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058078.D
Acq: 15 Sep 2019 9:23

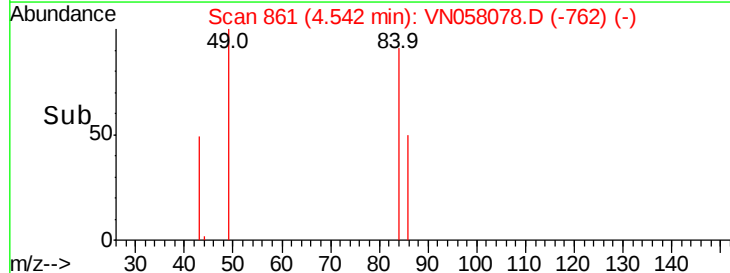
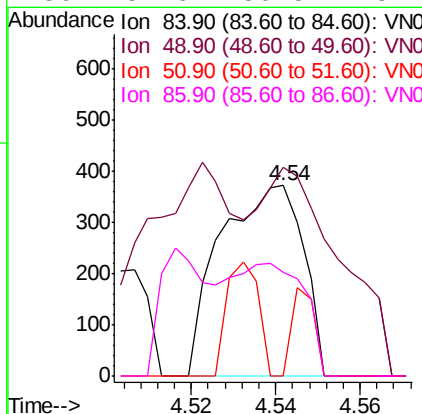
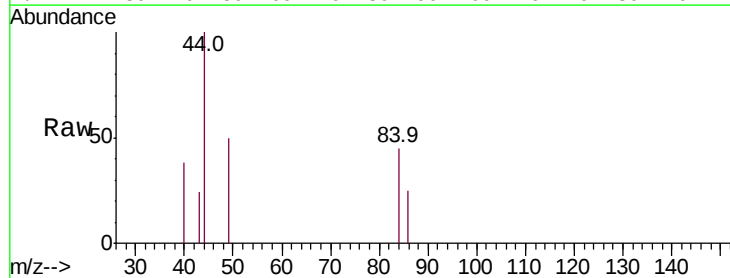
Instrument :
MSVOA_N
ClientSampled :

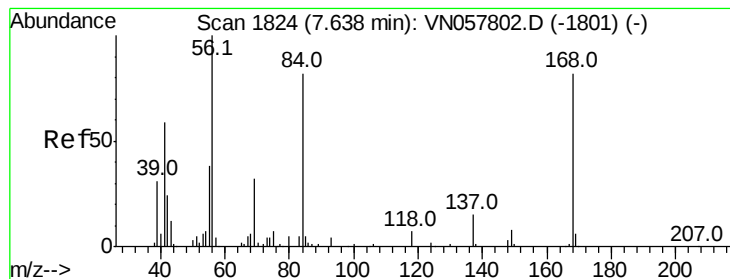
Tot Ion: 43 Resp: 6872
Ion Ratio Lower Upper
43 100
74 9.2 17.9 26.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 861
Delta R.T. 0.02 min
Lab File: VN058078.D
Acq: 15 Sep 2019 9:23

Tgt Ion: 84 Resp: 504
Ion Ratio Lower Upper
84 100
49 48.7 104.8 157.2#
51 0.0 33.0 49.4#
86 54.6 50.5 75.7





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :

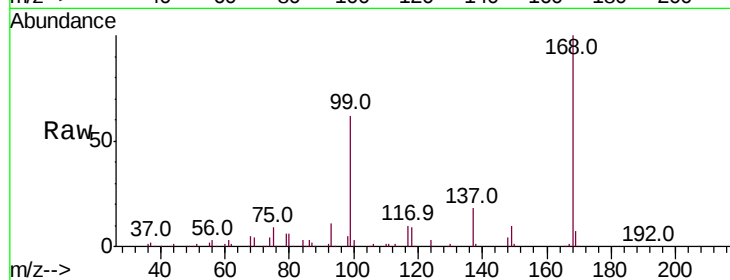
Tot Ion: 56 Resp: 9001

Ion Ratio Lower Upper

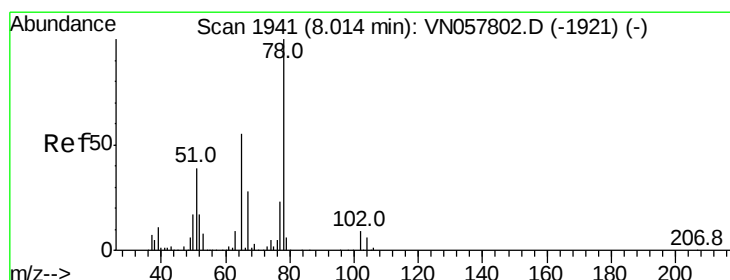
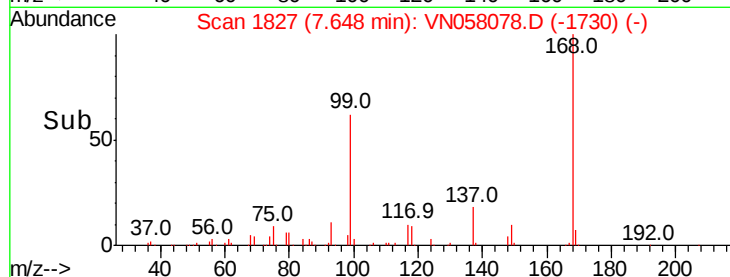
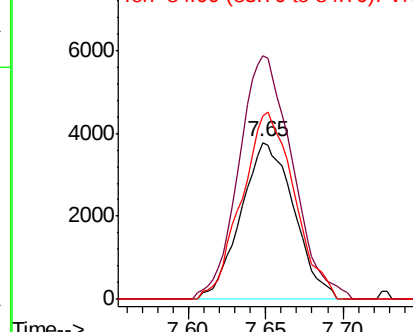
56 100

69 155.5 25.9 38.9#

84 117.4 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: 52.983 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058078.D

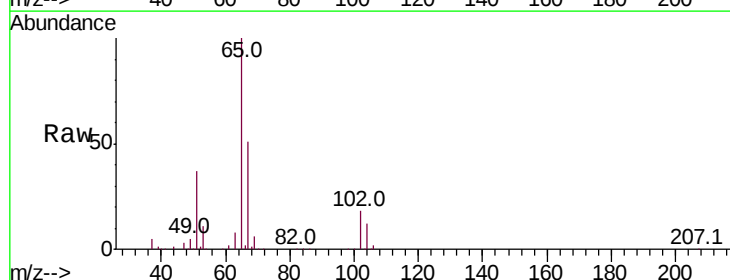
Acq: 15 Sep 2019 9:23

Tgt Ion: 65 Resp: 372899

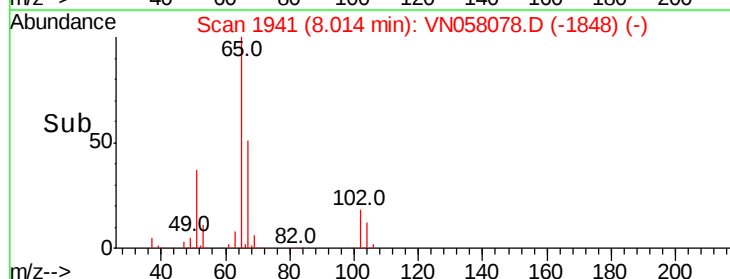
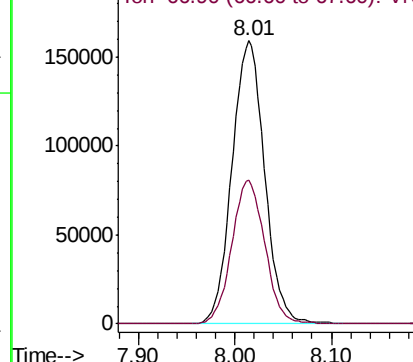
Ion Ratio Lower Upper

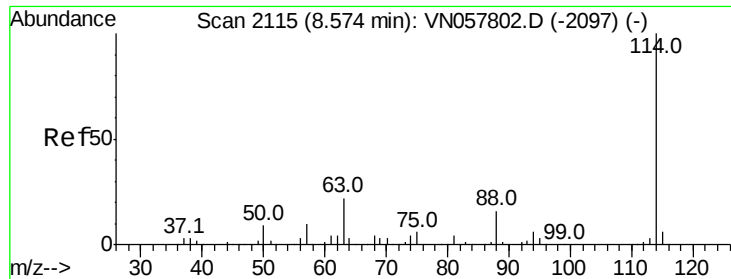
65 100

67 51.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

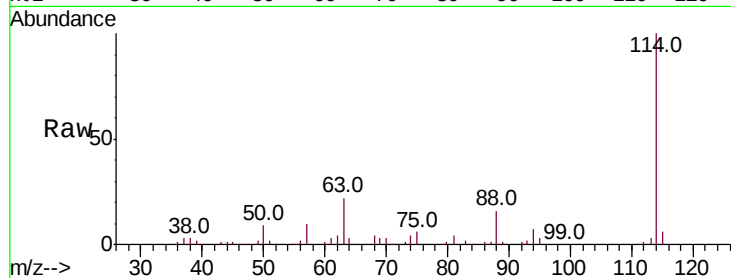




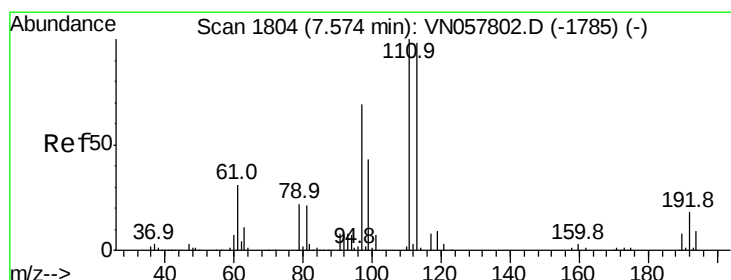
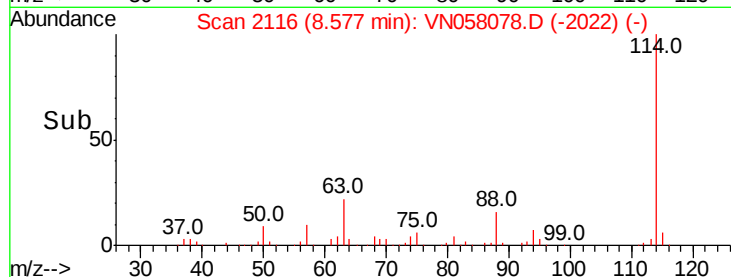
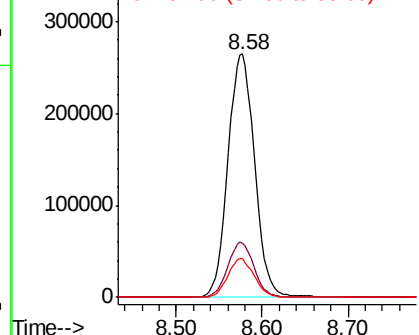
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058078.D
 Acq: 15 Sep 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	15.7	0.0	31.4

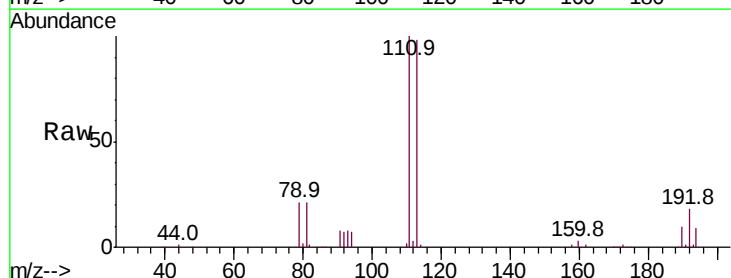


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

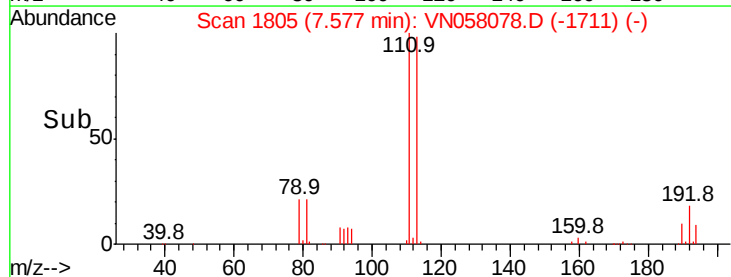
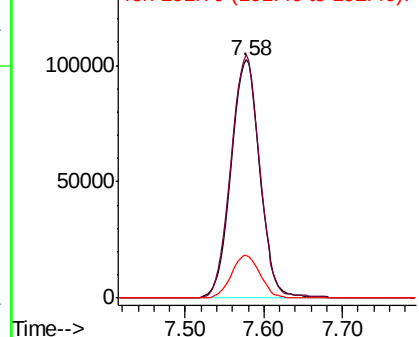


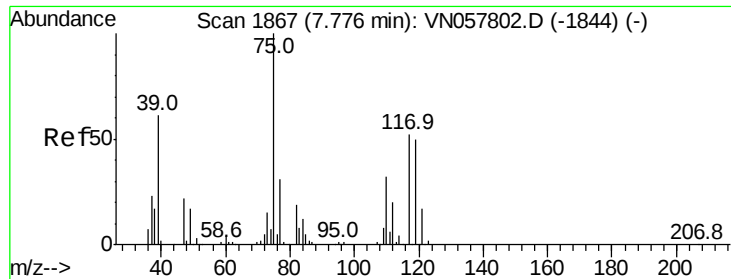
#35
 Dibromofluoromethane
 Concen: 49.200 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058078.D
 Acq: 15 Sep 2019 9:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.3	121.9
192	18.0	14.6	22.0



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





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

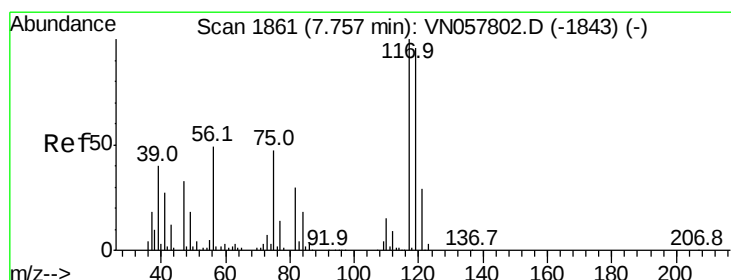
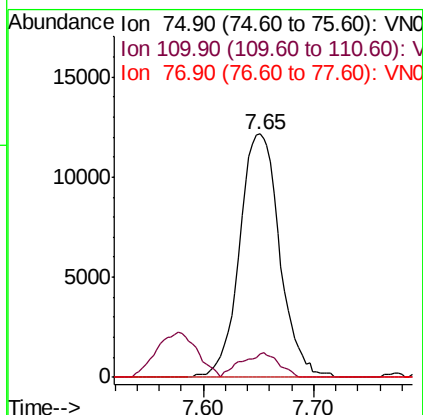
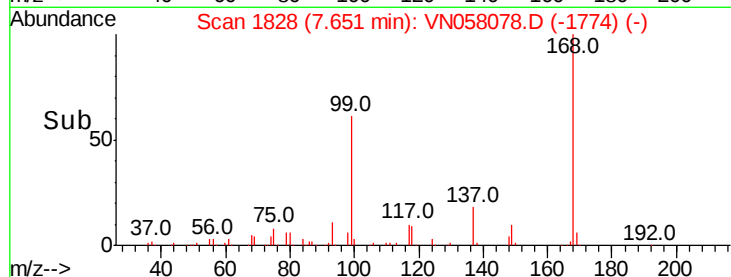
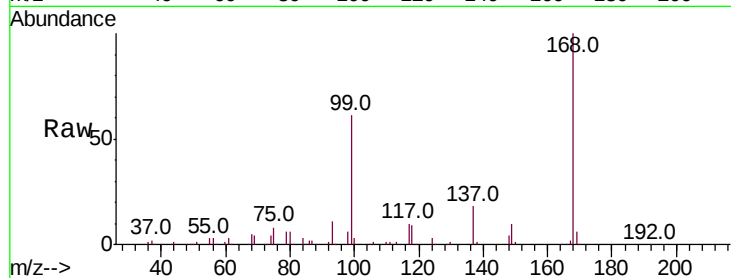
Tot Ion: 75 Resp: 30664

Ion Ratio Lower Upper

75 100

110 9.5 16.3 48.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.955 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

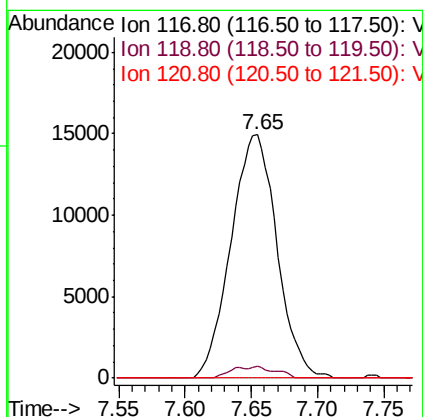
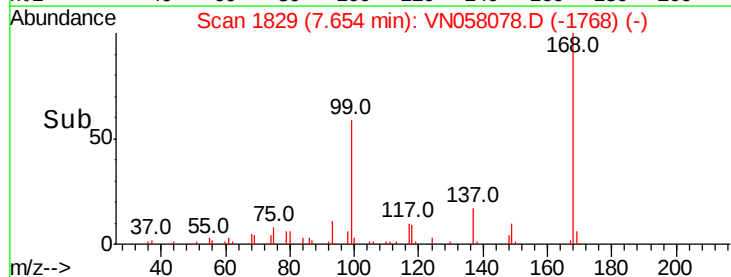
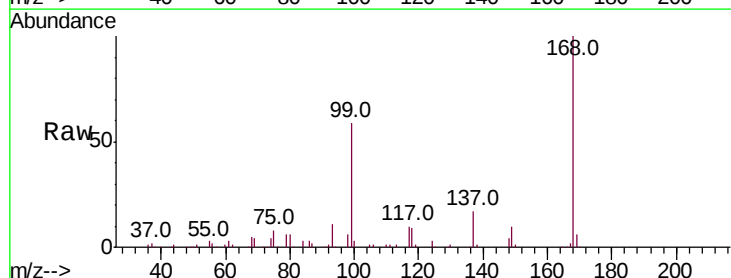
Tgt Ion: 117 Resp: 36059

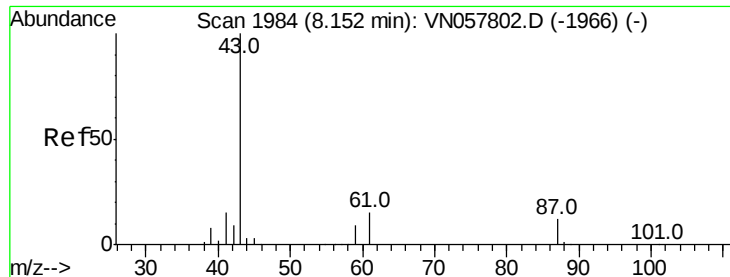
Ion Ratio Lower Upper

117 100

119 5.0 76.9 115.3#

121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 1.554 ug/l

RT: 8.22 min Scan# 2005

Delta R.T. 0.07 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

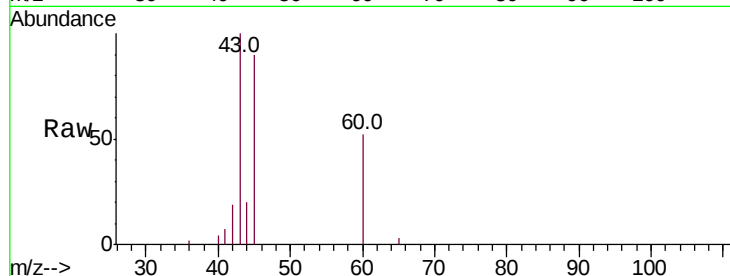
Tot Ion: 43 Resp: 17906

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

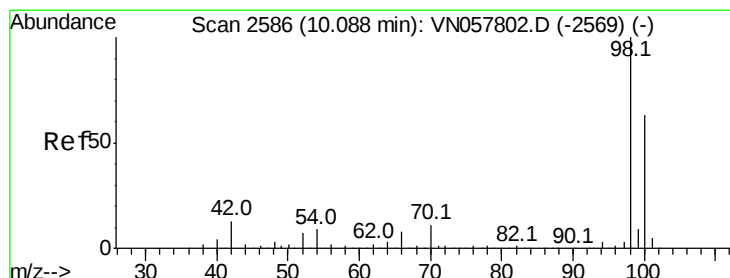
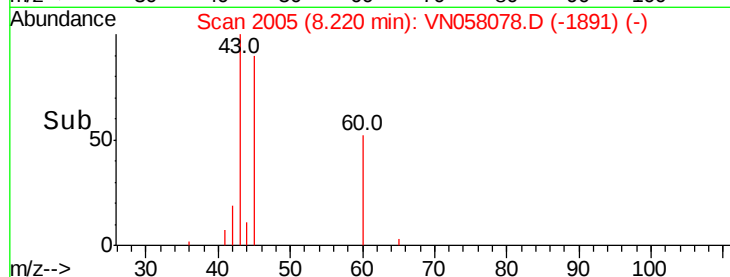
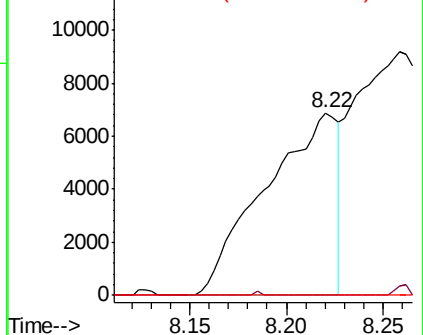
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN058078.D (-1891) (-)

Ion 61.00 (60.70 to 61.70): VN058078.D (-1891) (-)

Ion 87.00 (86.70 to 87.70): VN058078.D (-1891) (-)



#50

Toluene-d8

Concen: 49.340 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058078.D

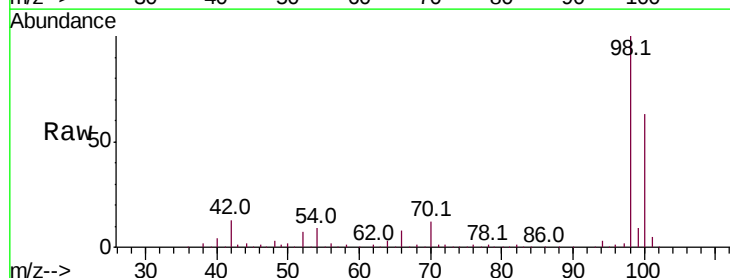
Acq: 15 Sep 2019 9:23

Tgt Ion: 98 Resp: 1011127

Ion Ratio Lower Upper

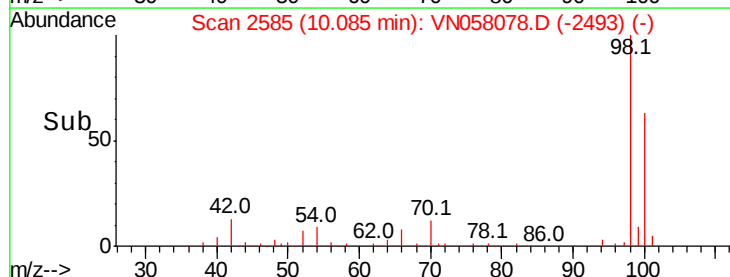
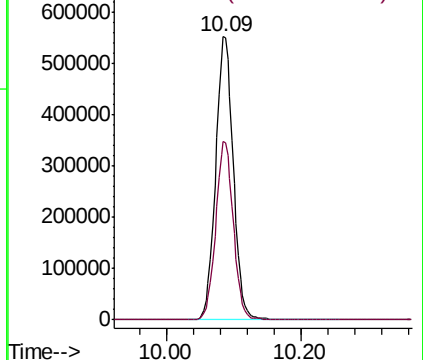
98 100

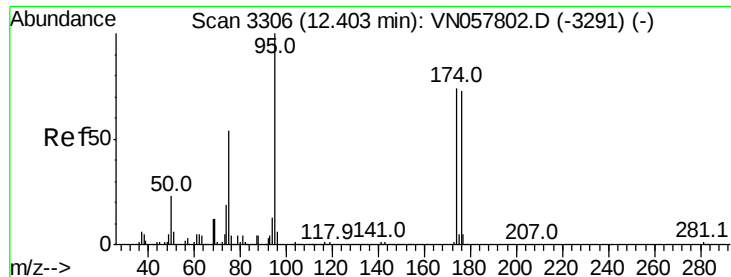
100 62.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN058078.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN058078.D (-2493) (-)





#62

4-Bromofluorobenzene

Concen: 42.683 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

Instrument :

MSVOA_N

ClientSampled :

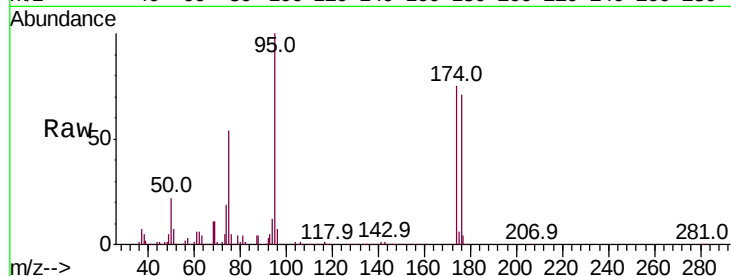
Tot Ion: 95 Resp: 333345

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

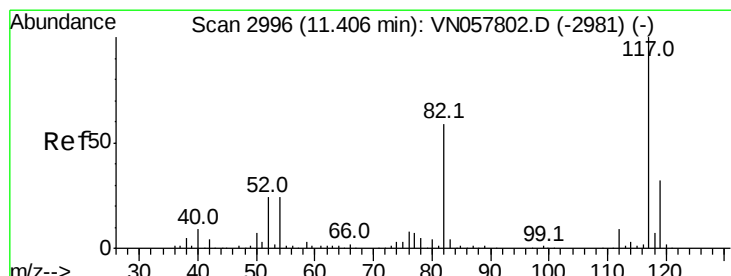
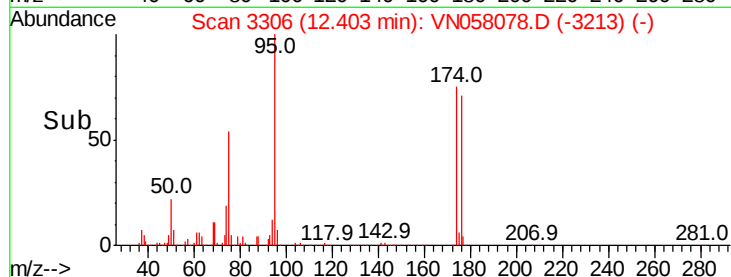
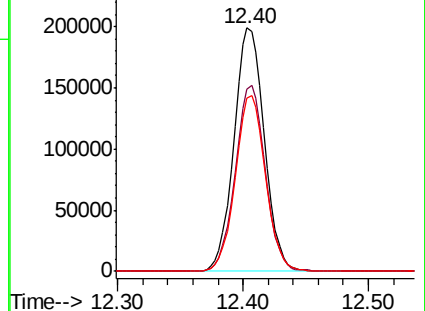
176 72.0 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

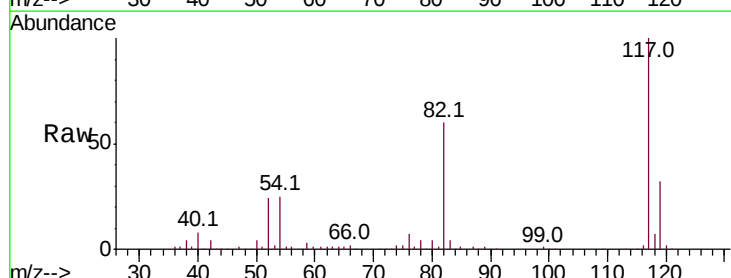
Tgt Ion: 117 Resp: 507081

Ion Ratio Lower Upper

117 100

82 59.6 47.2 70.8

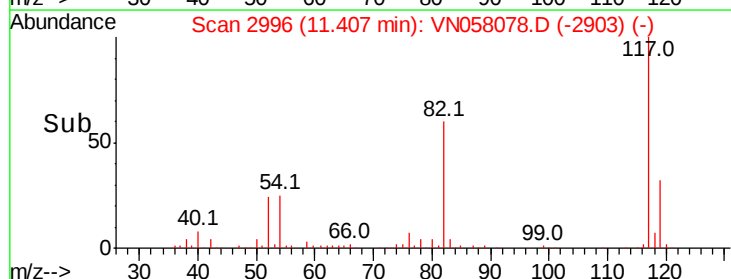
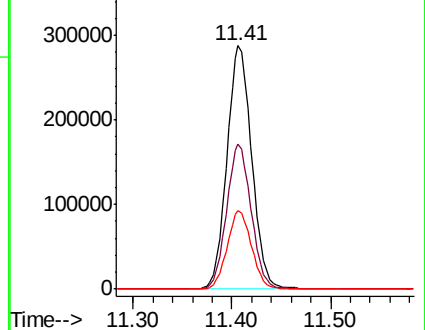
119 32.4 25.3 37.9

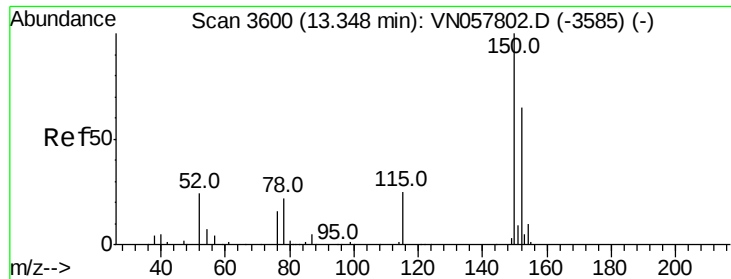


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

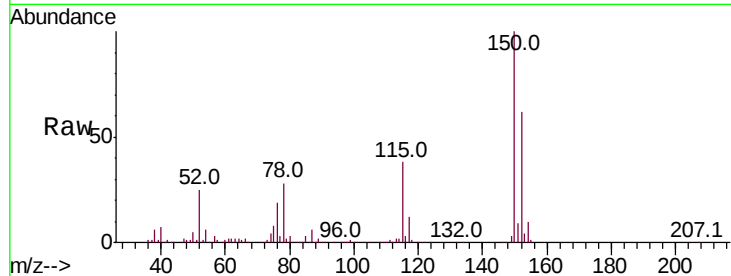
Tot Ion:152 Resp: 269014

Ion Ratio Lower Upper

152 100

115 60.4 30.3 91.0

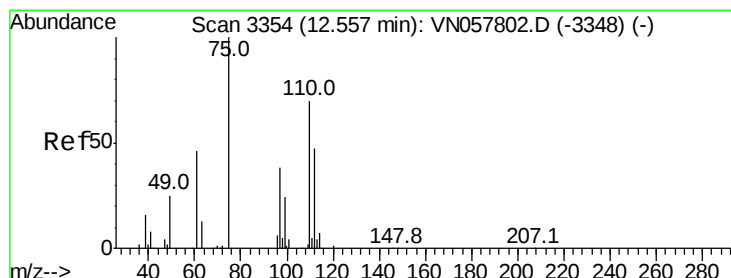
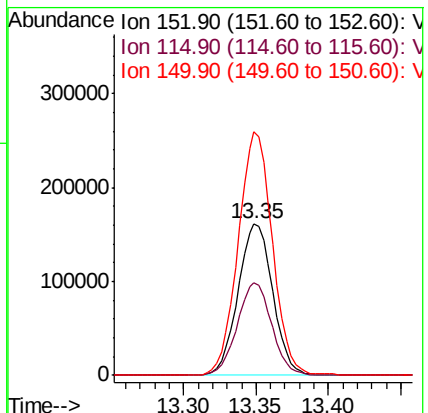
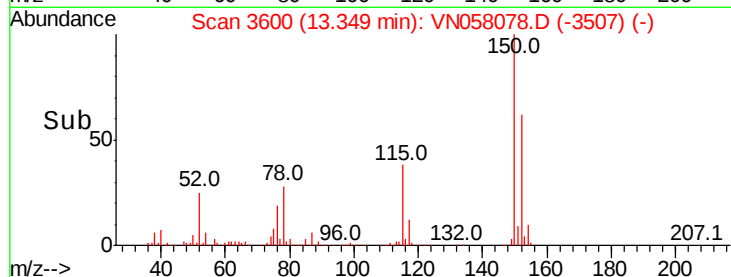
150 158.5 0.0 352.4



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: 29.882 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058078.D

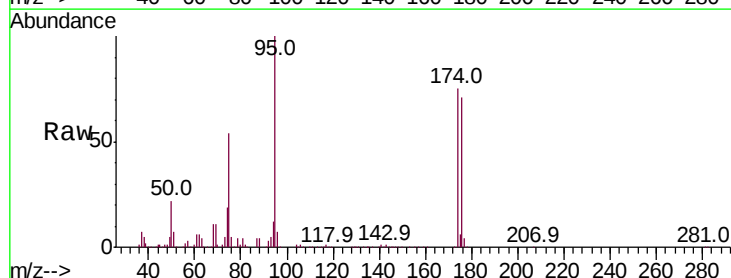
Acq: 15 Sep 2019 9:23

Tgt Ion: 75 Resp: 181847

Ion Ratio Lower Upper

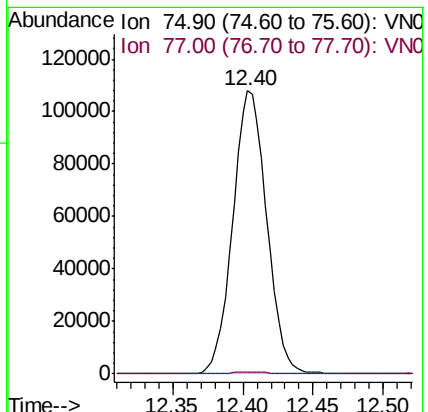
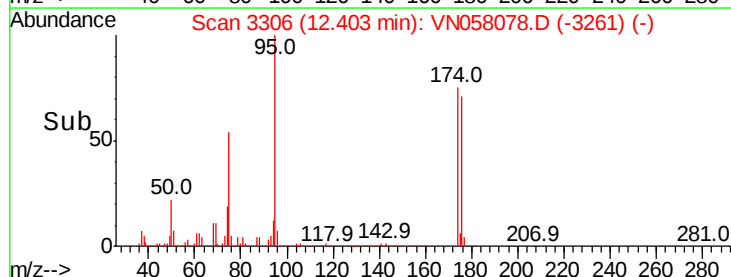
75 100

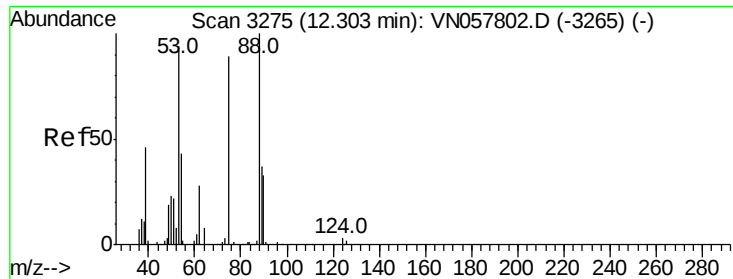
77 0.9 0.0 0.0#



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: 105.154 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

Instrument :

MSVOA_N

ClientSampled :

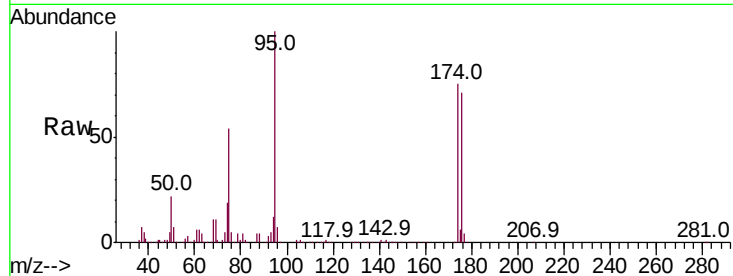
Tot Ion: 75 Resp: 181847

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

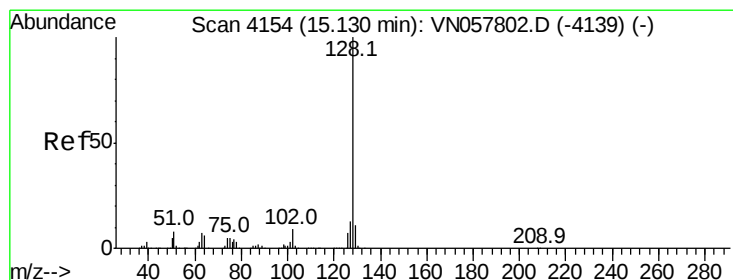
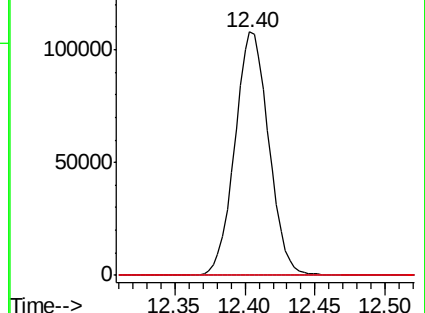
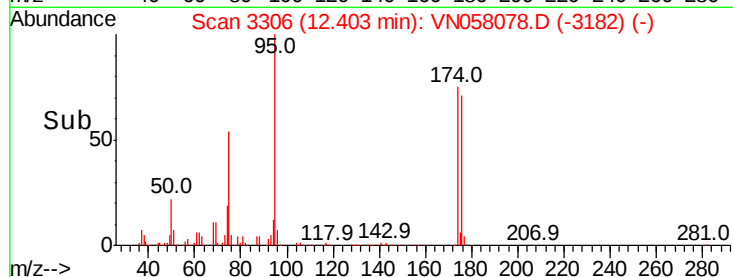
89 0.0 35.3 52.9#



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



#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN058078.D

Acq: 15 Sep 2019 9:23

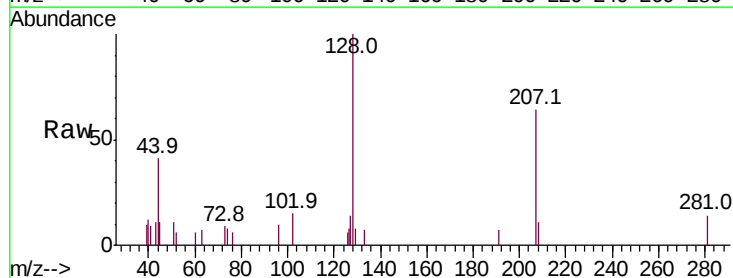
Tgt Ion: 128 Resp: 4335

Ion Ratio Lower Upper

128 100

127 10.4 10.3 15.5

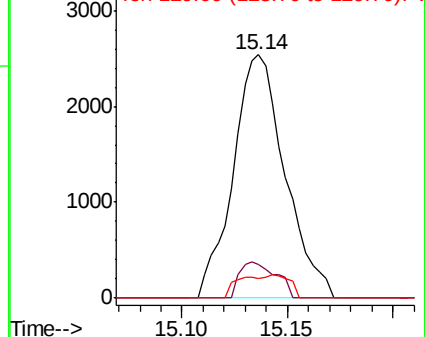
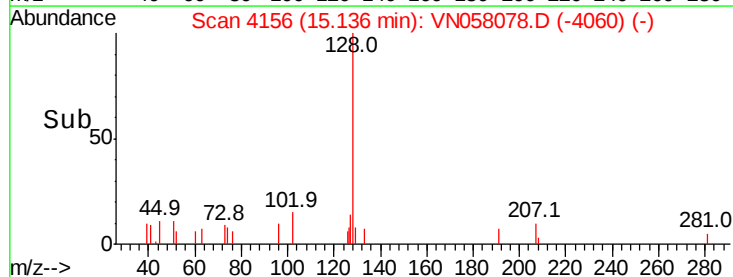
129 9.2 8.6 12.8

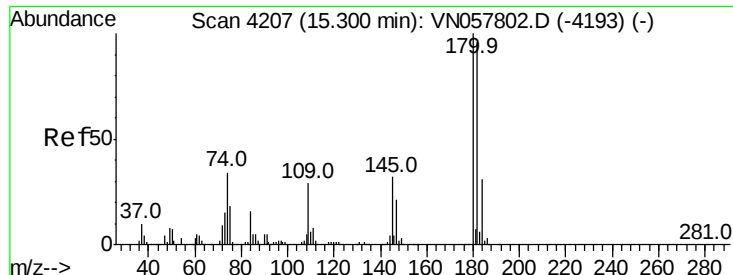


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

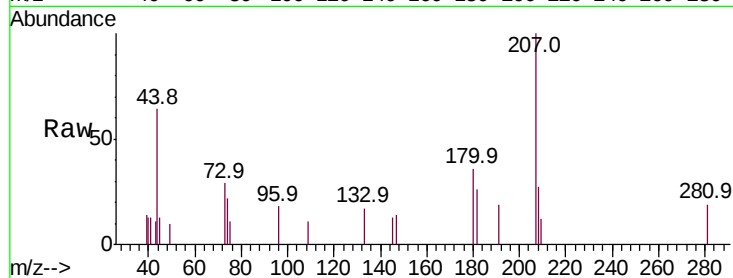




#96
 1,2,3-Trichlorobenzene
 Concen: 1.175 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058078.D
 Acq: 15 Sep 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	73.9	48.3	144.8
145	15.7	16.3	48.8#



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

