

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057812.D
 Acq On : 9 Sep 2019 19:51
 Operator : JC/SP
 Sample : K4751-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

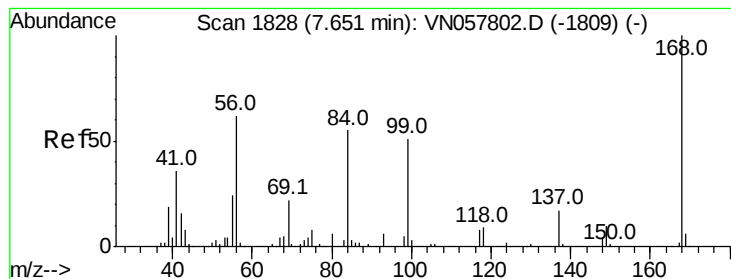
Quant Time: Sep 10 07:09:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	295286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220760	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	327691	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
35) Dibromofluoromethane	7.58	113	226440	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.09	98	900379	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	282129	41.27	ug/l	0.00
Spiked Amount			Recovery	=	82.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	528	Below Cal	#	64
16) Acetone	3.81	43	691	0.352	ug/l #	87
17) Carbon Disulfide	4.03	76	345	0.229	ug/l #	75
20) Methylene Chloride	4.53	84	1251	Below Cal		87
31) Cyclohexane	7.65	56	7964	Below Cal	#	29
36) 1,1-Dichloropropene	7.65	75	25490	4.390	ug/l #	51
38) Carbon Tetrachloride	7.65	117	30028	5.665	ug/l #	15
76) 1,2,3-Trichloropropane	12.40	75	154352	30.908	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	154352	108.765	ug/l #	6
95) Naphthalene	15.14	128	1915	Below Cal	#	82
96) 1,2,3-Trichlorobenzene	15.30	180	653	1.141	ug/l #	75

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057812.D

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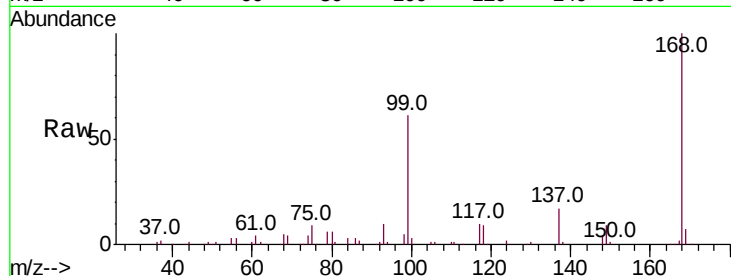
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 295286

Ion Ratio Lower Upper

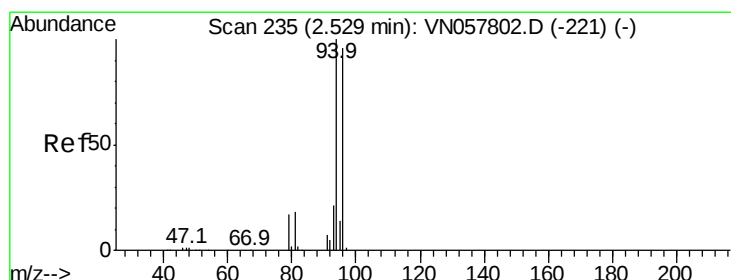
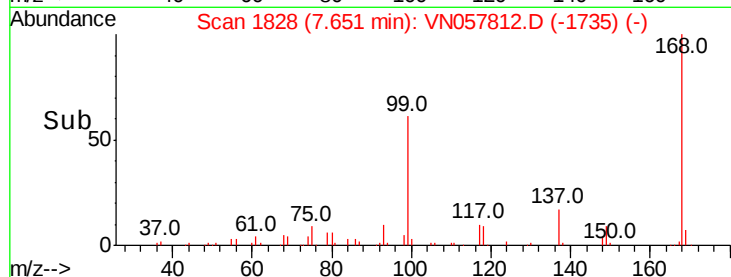
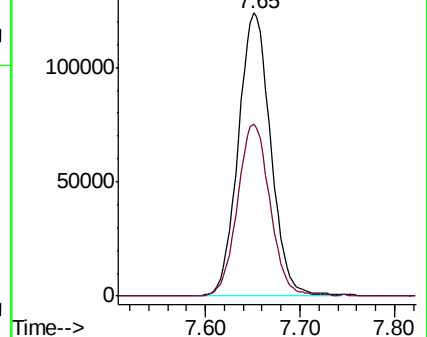
168 100

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



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN057812.D

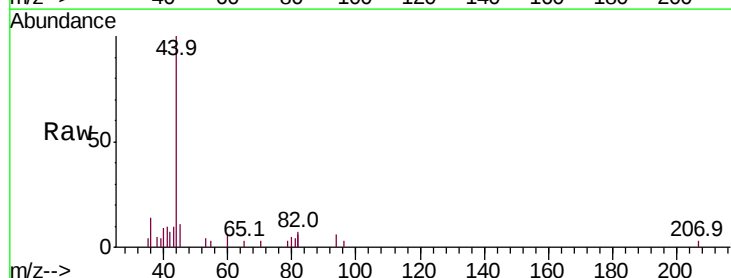
Acq: 9 Sep 2019 19:51

Tgt Ion: 94 Resp: 528

Ion Ratio Lower Upper

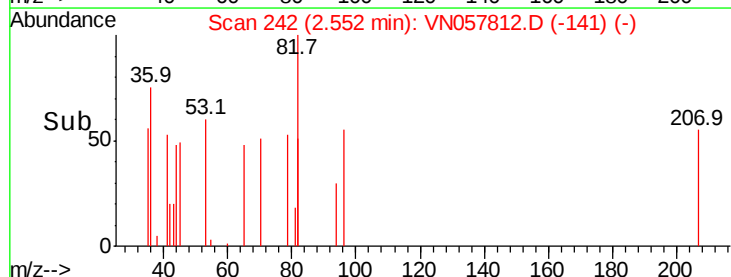
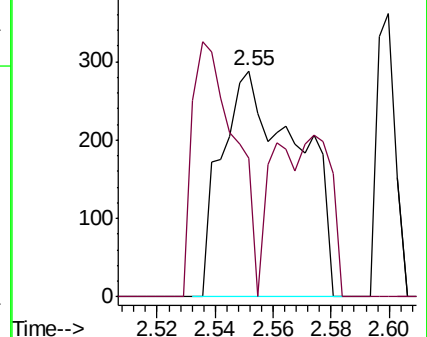
94 100

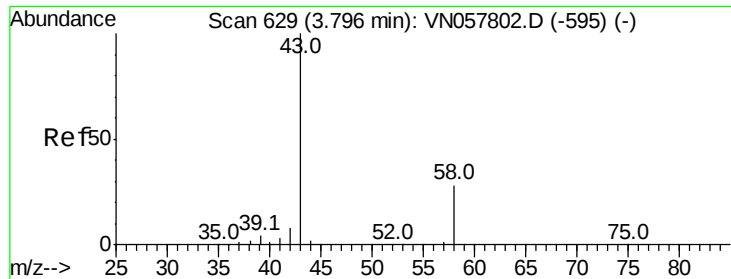
96 61.5 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

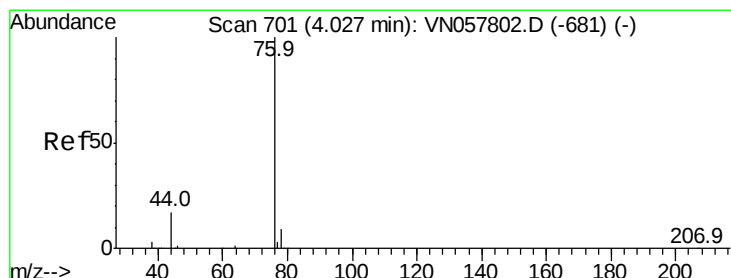
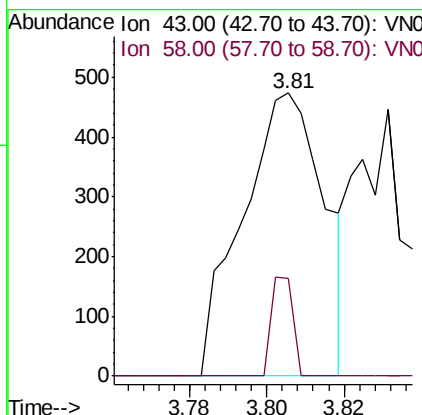
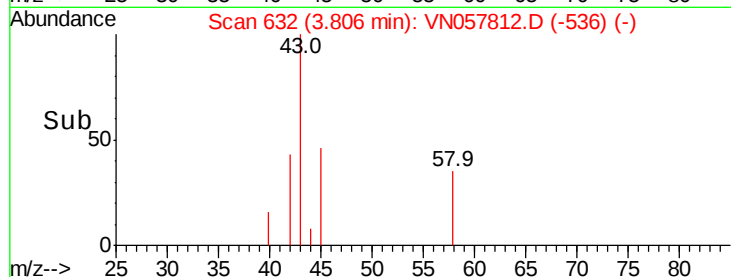
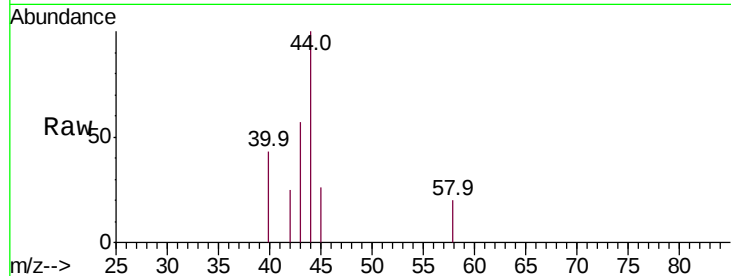




#16
Acetone
Concen: 0.352 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN057812.D
Acq: 9 Sep 2019 19:51

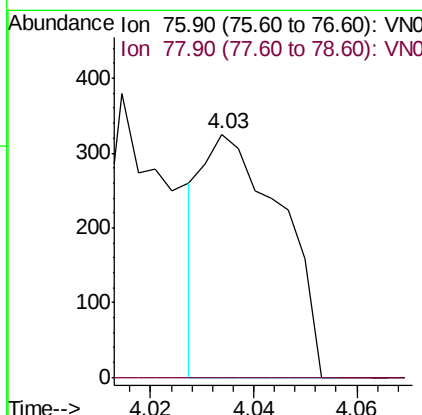
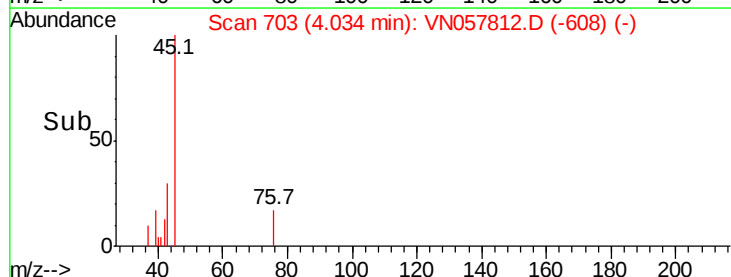
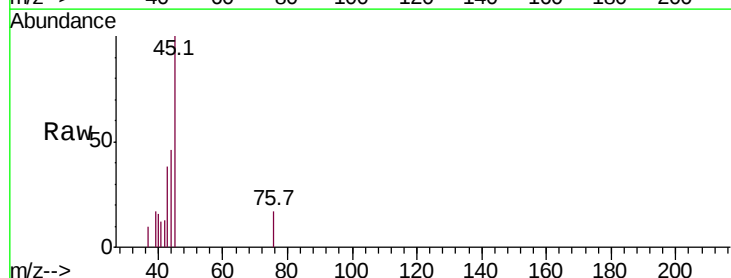
Instrument :
MSVOA_N
ClientSampled :

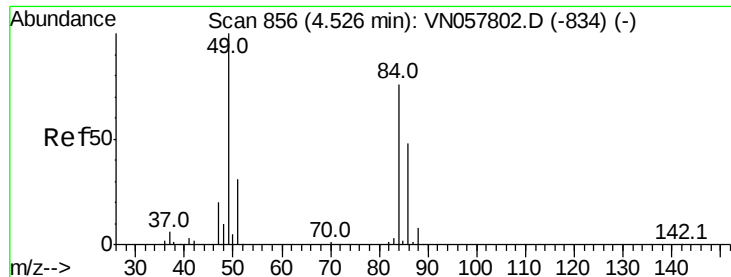
Tot Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
58 34.7 22.2 33.2#



#17
Carbon Disulfide
Concen: 0.229 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN057812.D
Acq: 9 Sep 2019 19:51

Tgt Ion: 76 Resp: 345
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



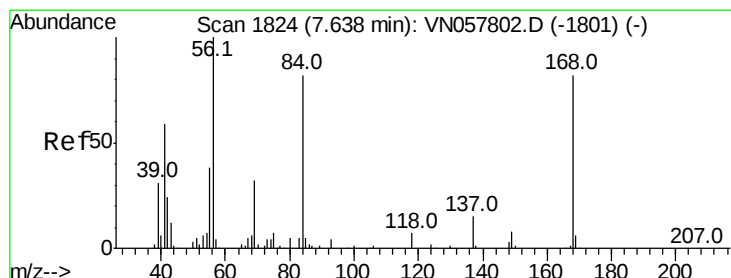
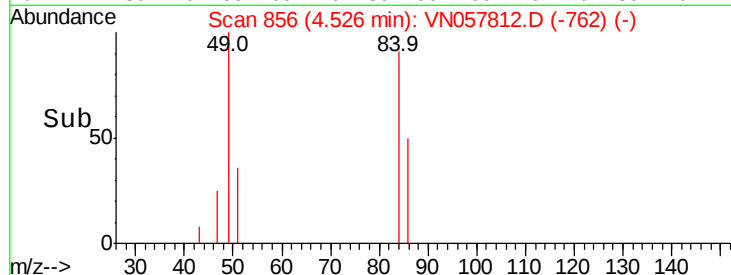
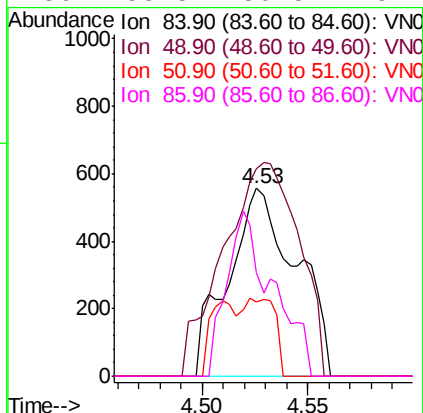
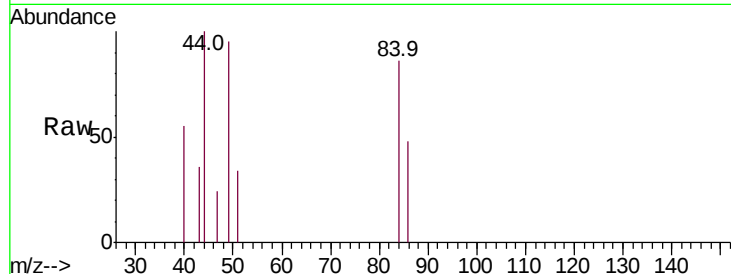


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN057812.D
 Acq: 9 Sep 2019 19:51

Instrument :
 MSVOA_N
 ClientSampled :

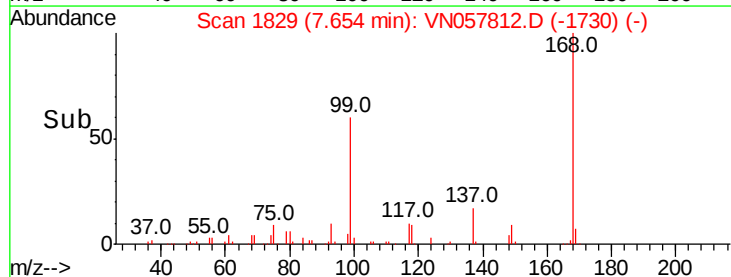
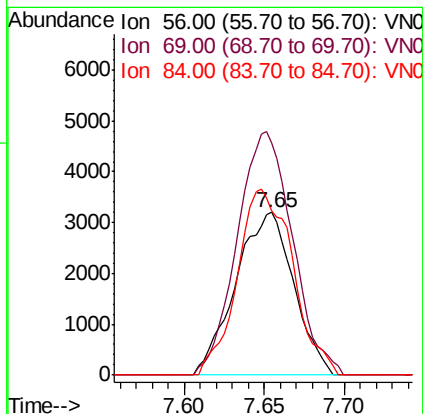
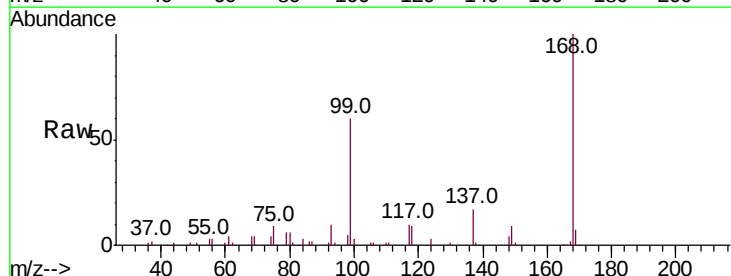
Tot Ion:	84	Resp:	1251
Ion	Ratio	Lower	Upper
84	100		
49	110.2	104.8	157.2
51	39.9	33.0	49.4
86	55.5	50.5	75.7

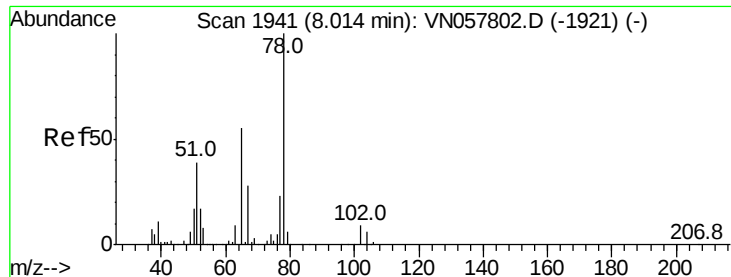


#31

Cyclohexane
 Concen: Below Cal
 RT: 7.65 min Scan# 1829
 Delta R.T. 0.02 min
 Lab File: VN057812.D
 Acq: 9 Sep 2019 19:51

Tgt Ion:	56	Resp:	7964
Ion	Ratio	Lower	Upper
56	100		
69	143.0	25.9	38.9#
84	101.1	65.6	98.4#





#33

1,2-Dichloroethane-d4

Concen: 54.791 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN057812.D

Acq: 9 Sep 2019 19:51

Instrument :

MSVOA_N

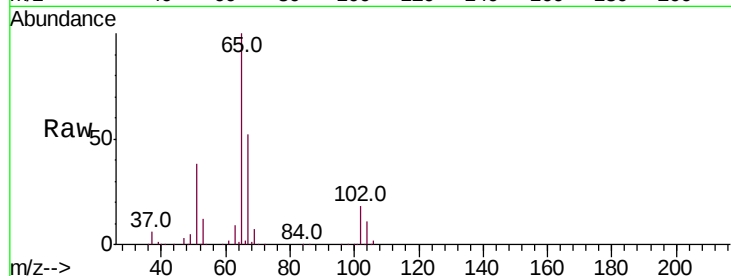
ClientSampleId :

Tot Ion: 65 Resp: 327691

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

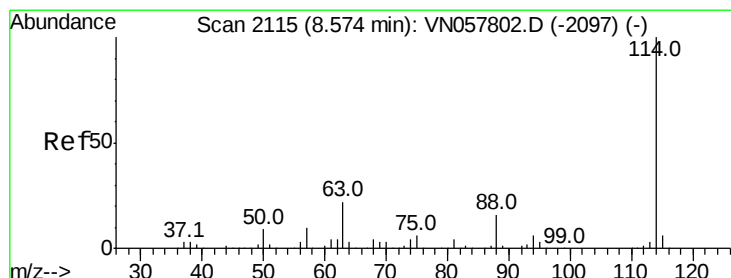
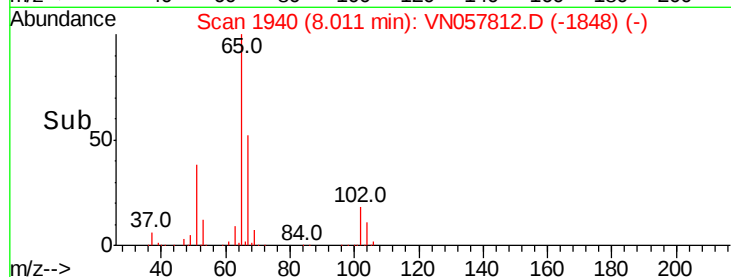
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057812.D

Acq: 9 Sep 2019 19:51

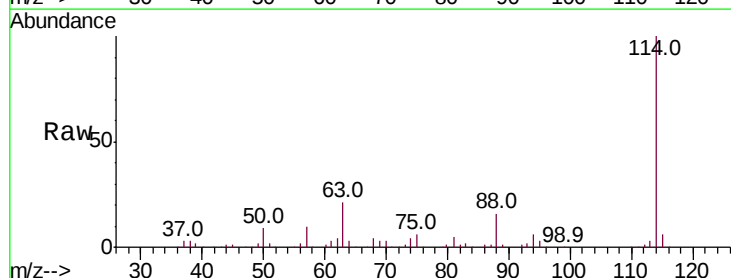
Tgt Ion:114 Resp: 500632

Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.0

88 15.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.58

300000

250000

200000

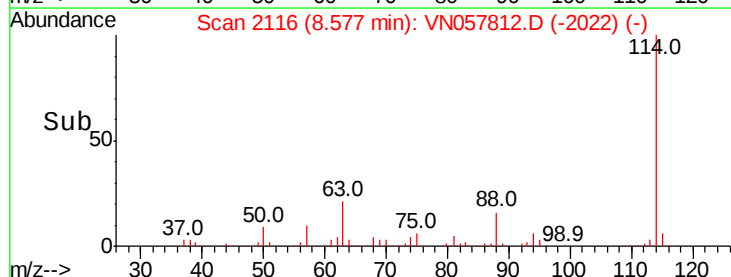
150000

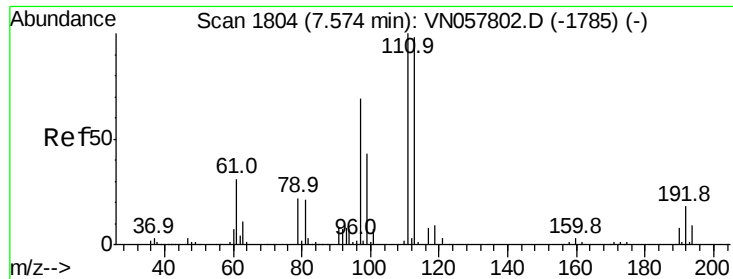
100000

50000

0

Time--> 8.50 8.55 8.60 8.65

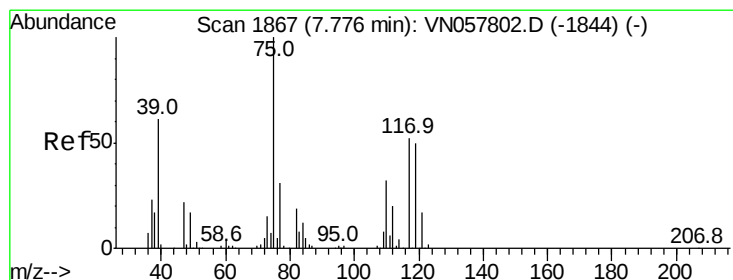
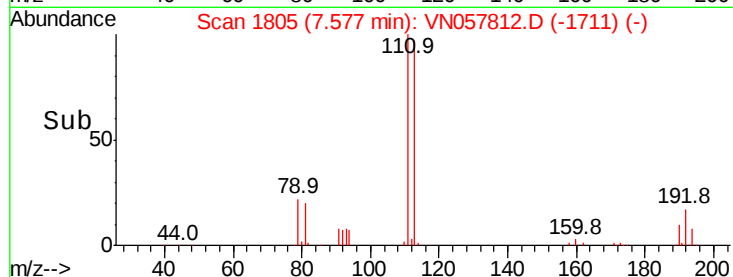
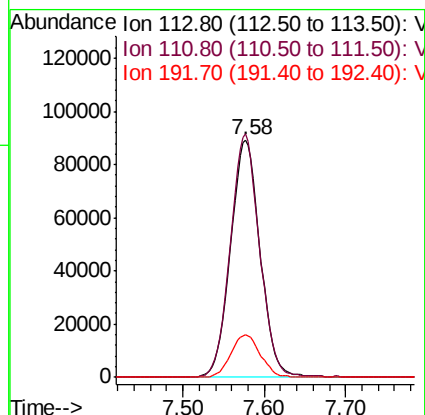
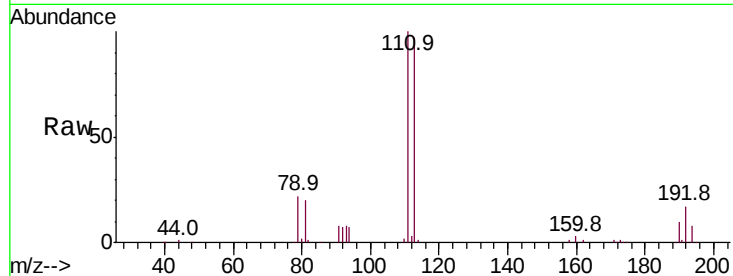




#35
 Dibromofluoromethane
 Concen: 49.006 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057812.D
 Acq: 9 Sep 2019 19:51

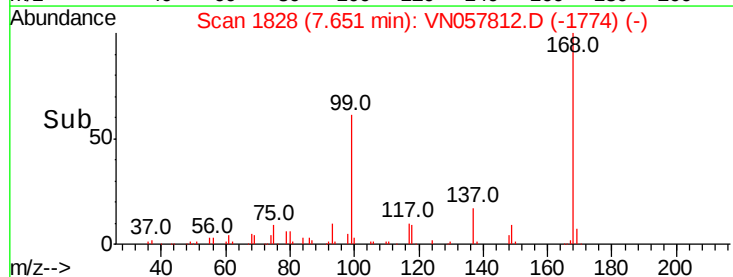
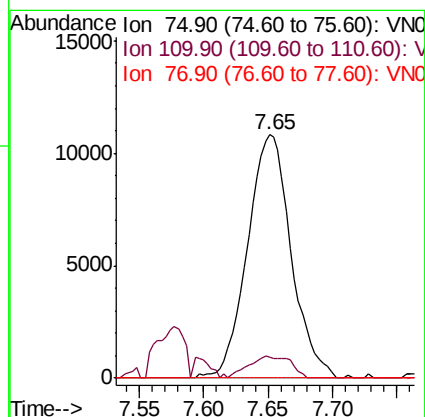
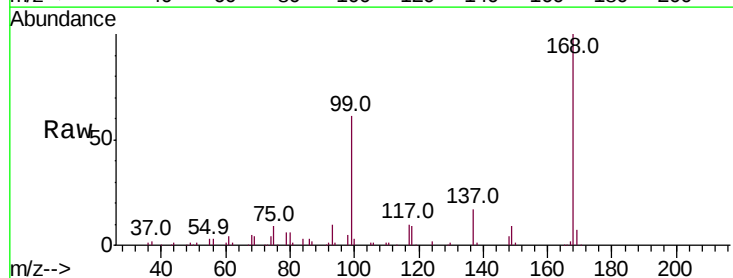
Instrument :
 MSVOA_N
 ClientSampleId :

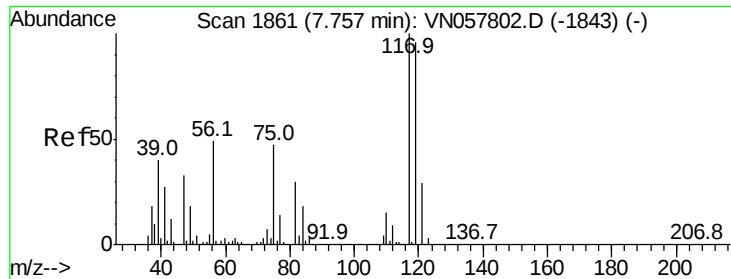
Tot Ion:113 Resp: 226440
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.3 121.9
 192 18.0 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.390 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057812.D
 Acq: 9 Sep 2019 19:51

Tgt Ion: 75 Resp: 25490
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.3 48.9#
 77 0.0 25.0 37.4#

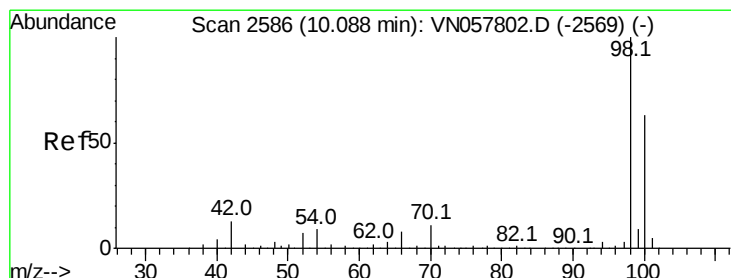
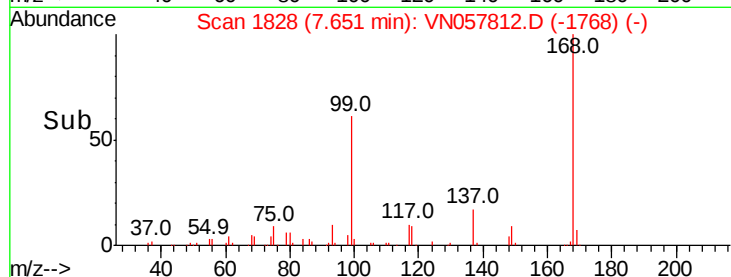
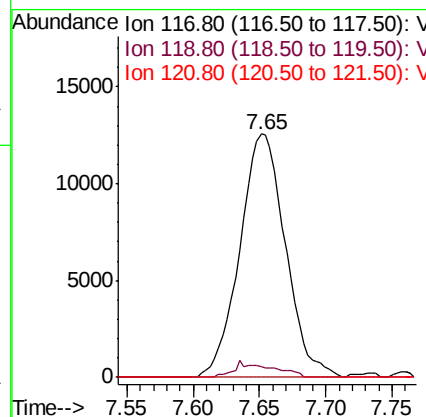
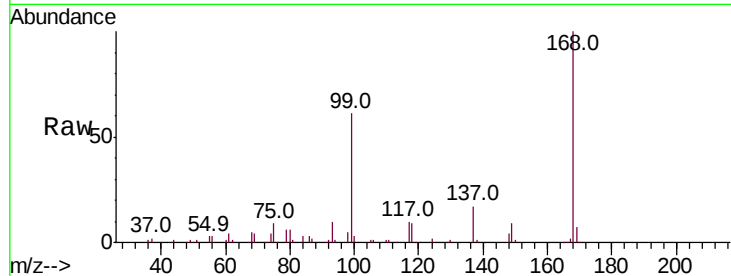




#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057812.D
Acq: 9 Sep 2019 19:51

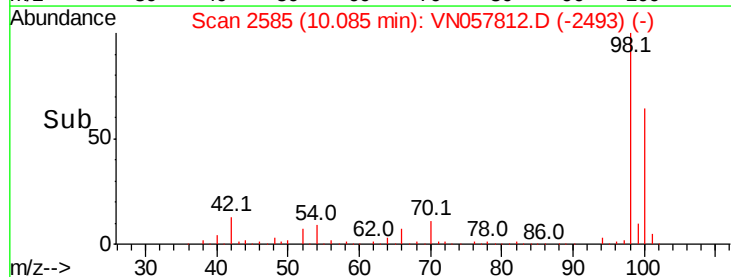
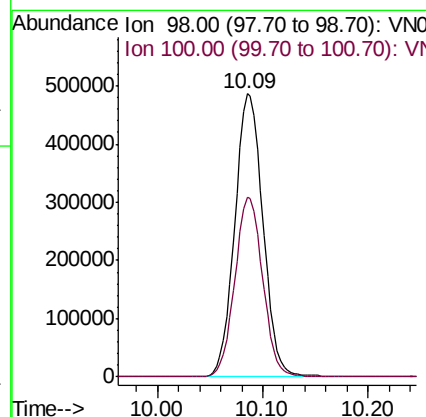
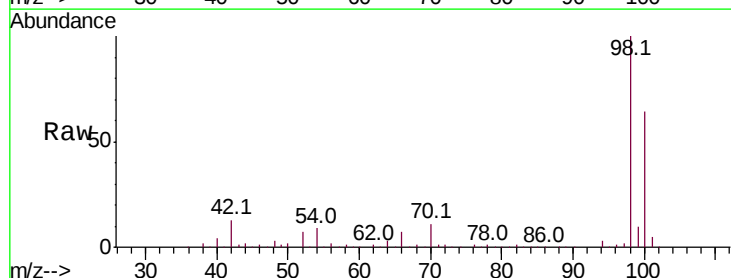
Instrument :
MSVOA_N
ClientSampleId :

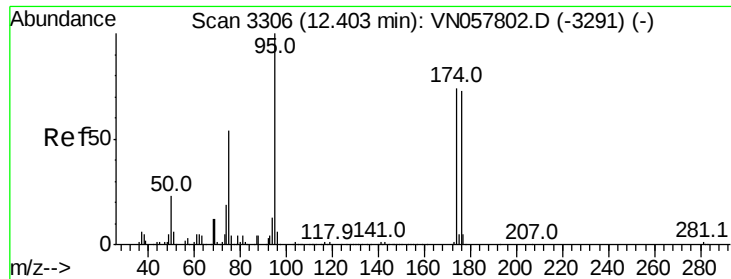
Tot Ion:117 Resp: 30028
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 50.189 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057812.D
Acq: 9 Sep 2019 19:51

Tgt Ion: 98 Resp: 900379
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5





#62

4-Bromofluorobenzene

Concen: 41.267 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057812.D

Acq: 9 Sep 2019 19:51

Instrument :

MSVOA_N

ClientSampleId :

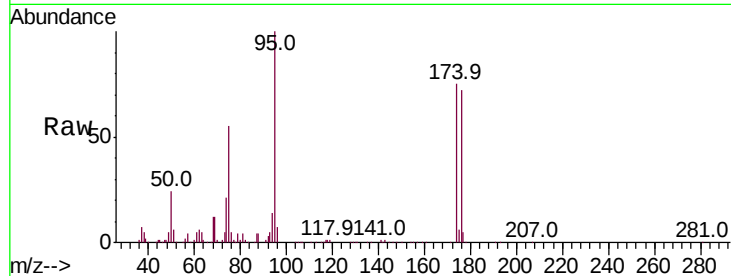
Tot Ion: 95 Resp: 282129

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

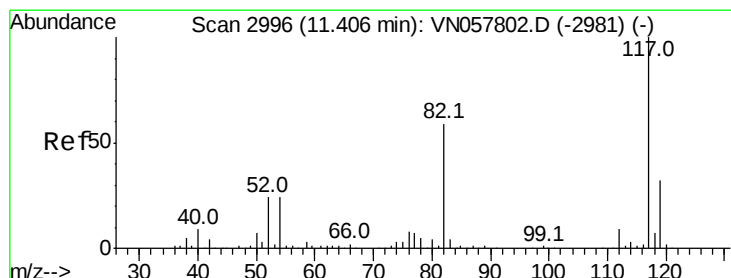
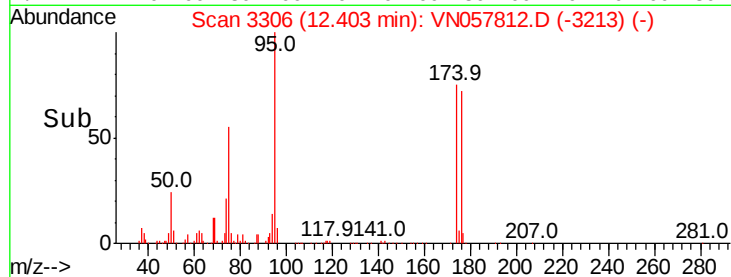
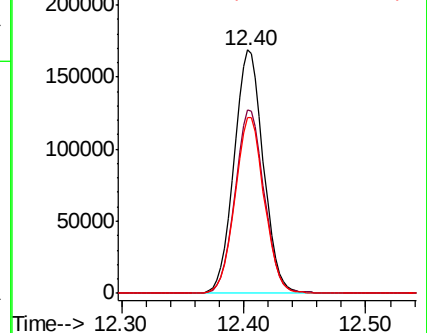
176 72.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057812.D

Acq: 9 Sep 2019 19:51

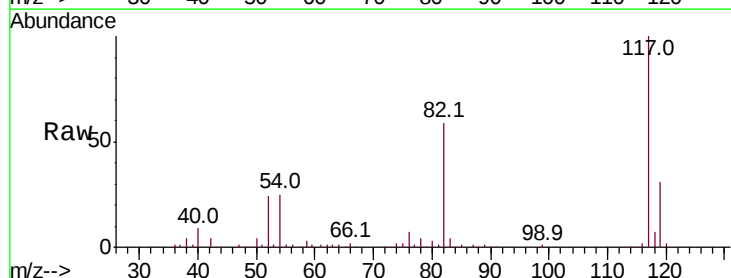
Tgt Ion: 117 Resp: 448963

Ion Ratio Lower Upper

117 100

82 58.8 47.2 70.8

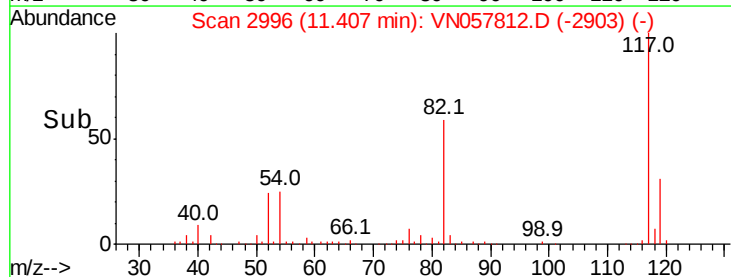
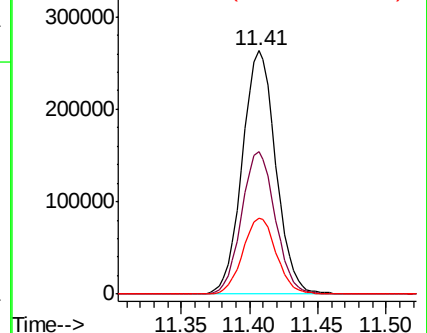
119 31.2 25.3 37.9

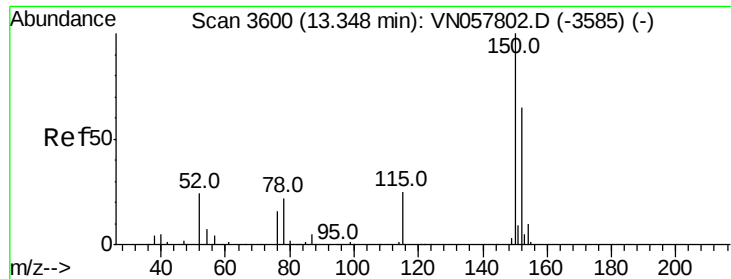


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057812.D

Acq: 9 Sep 2019 19:51

Instrument :

MSVOA_N

ClientSampled :

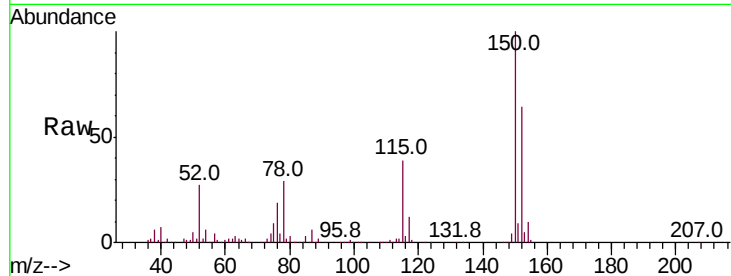
Tot Ion:152 Resp: 220760

Ion Ratio Lower Upper

152 100

115 61.4 30.3 91.0

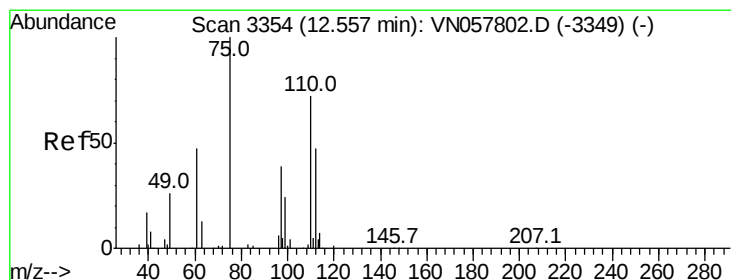
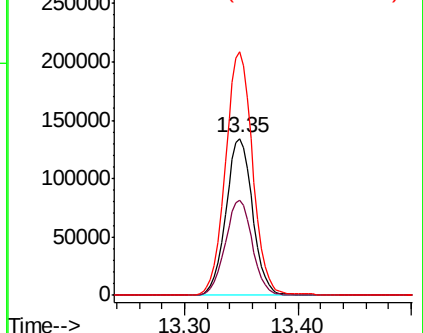
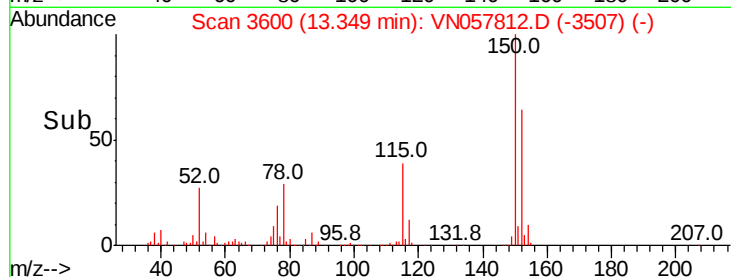
150 157.0 0.0 352.4



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: 30.908 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057812.D

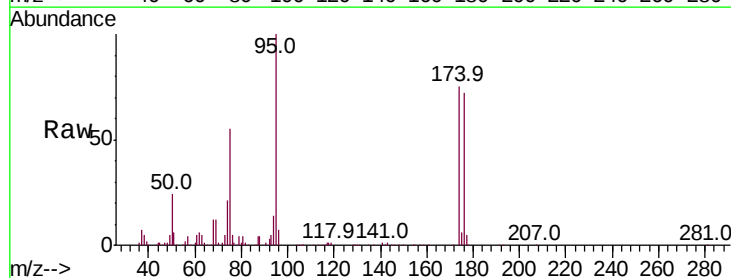
Acq: 9 Sep 2019 19:51

Tgt Ion: 75 Resp: 154352

Ion Ratio Lower Upper

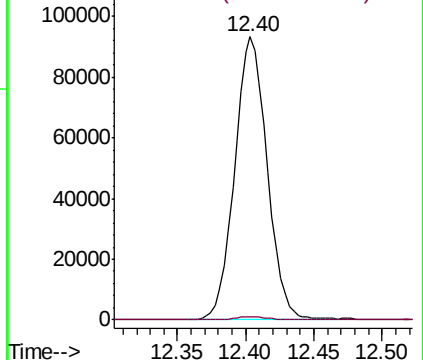
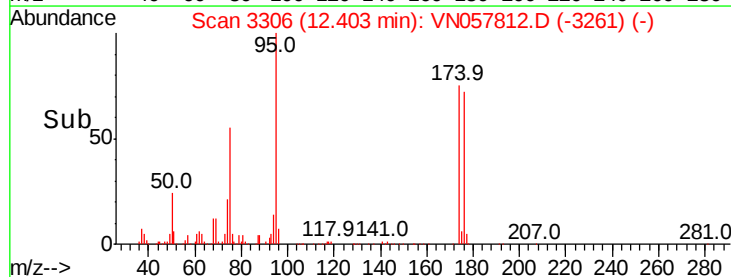
75 100

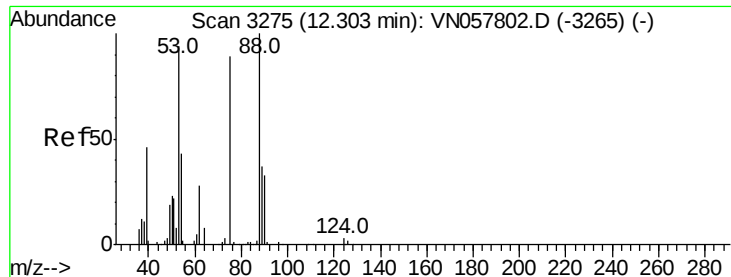
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.765 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057812.D

Acq: 9 Sep 2019 19:51

Instrument :

MSVOA_N

ClientSampled :

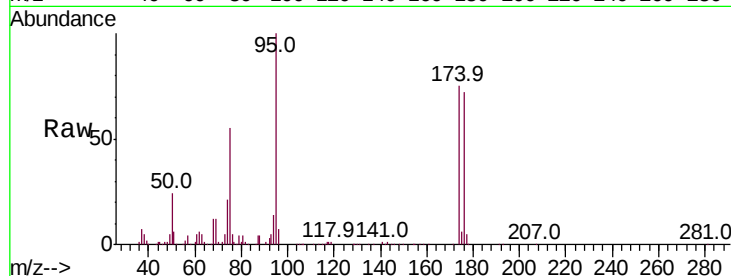
Tot Ion: 75 Resp: 154352

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

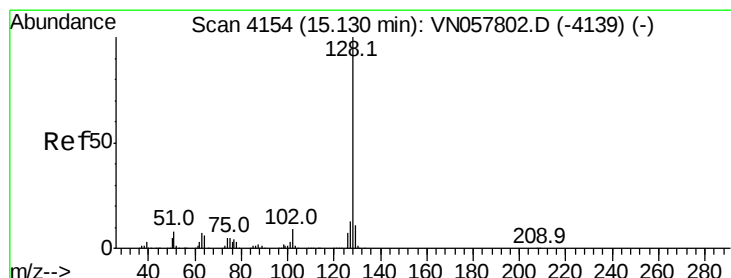
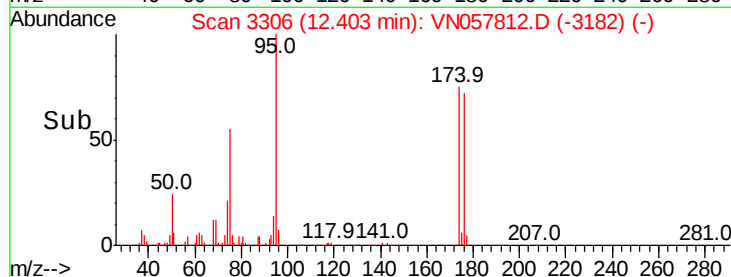
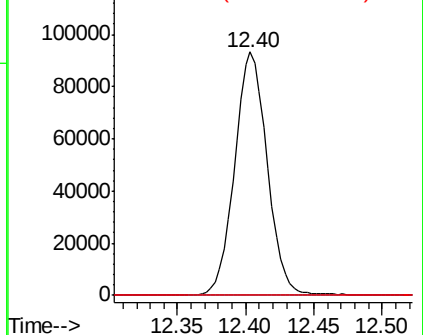
89 0.0 35.3 52.9#



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: VN057812.D

Acq: 9 Sep 2019 19:51

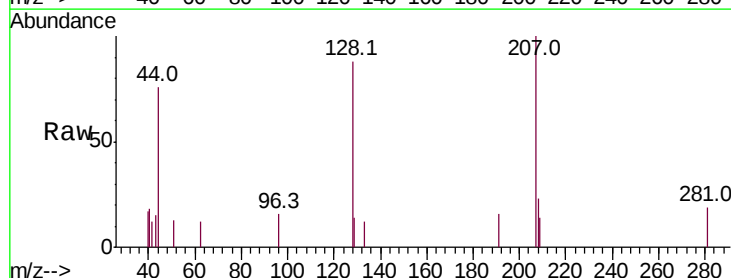
Tgt Ion: 128 Resp: 1915

Ion Ratio Lower Upper

128 100

127 3.3 10.3 15.5#

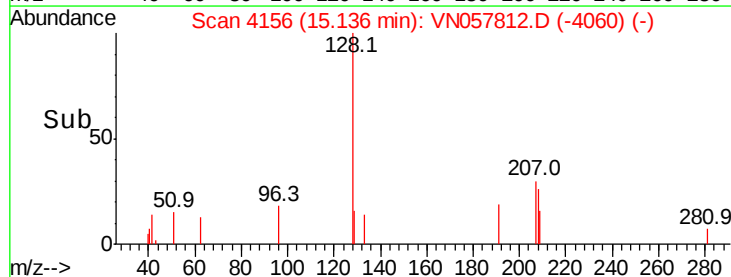
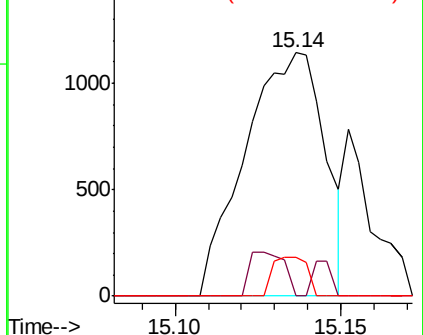
129 6.9 8.6 12.8#

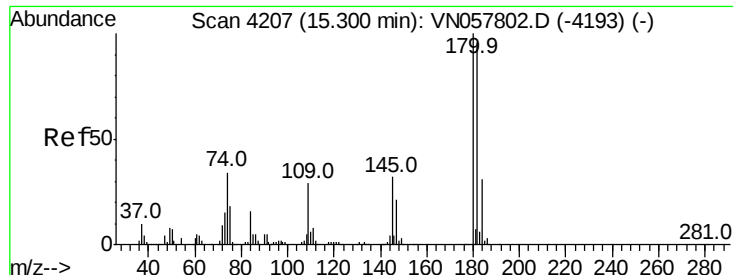


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.141 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN057812.D
 Acq: 9 Sep 2019 19:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.2	48.3	144.8
145	0.0	16.3	48.8#

