

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091519\
 Data File : VN058077.D
 Acq On : 15 Sep 2019 9:01
 Operator : JC/SP
 Sample : VN0915WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 03:37:49 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	323739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	527573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249810	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	351175	53.56	ug/l	0.00
Spiked Amount						
			Recovery	=	107.12%	
35) Dibromofluoromethane	7.58	113	242471	49.80	ug/l	0.00
Spiked Amount						
			Recovery	=	99.60%	
50) Toluene-d8	10.09	98	944348	49.95	ug/l	0.00
Spiked Amount						
			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	314447	43.65	ug/l	0.00
Spiked Amount						
			Recovery	=	87.30%	

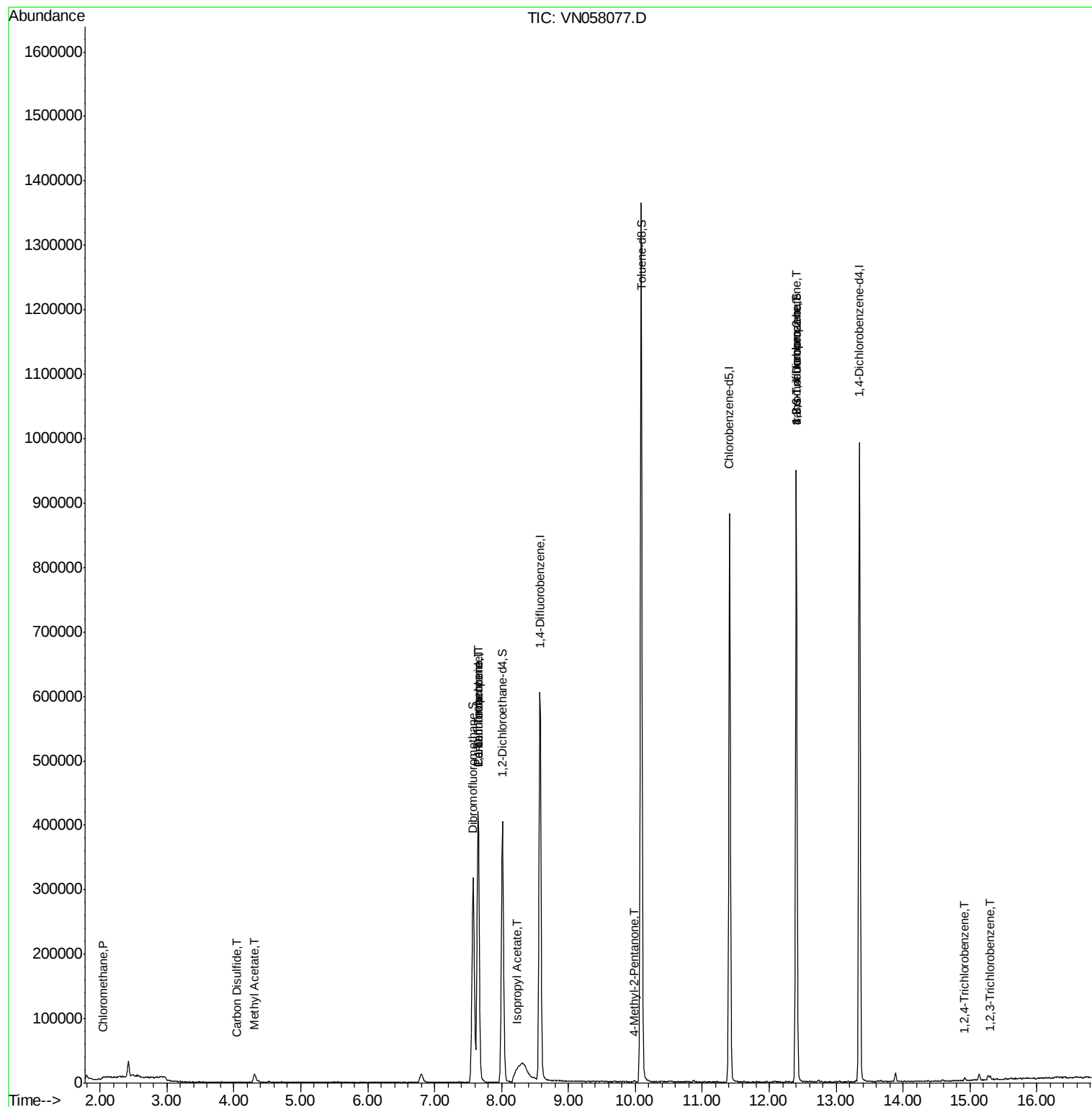
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	942	0.206	ug/l #	88
5) Bromomethane	2.52	94	33	Below Cal	#	2
17) Carbon Disulfide	4.04	76	681	0.285	ug/l #	75
18) Methyl Acetate	4.31	43	24711	4.312	ug/l	100
20) Methylene Chloride	4.52	84	830	Below Cal	#	53
31) Cyclohexane	7.65	56	8118	Below Cal	#	1
36) 1,1-Dichloropropene	7.65	75	27431	4.483	ug/l #	51
38) Carbon Tetrachloride	7.65	117	32830	5.877	ug/l #	16
43) Isopropyl Acetate	8.23	43	18700	1.759	ug/l #	56
51) 4-Methyl-2-Pentanone	9.98	43	1874	0.298	ug/l #	38
76) 1,2,3-Trichloropropane	12.40	75	168874	29.883	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	168874	105.160	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.92	180	1500	0.259	ug/l #	91
95) Naphthalene	15.13	128	7502	Below Cal	#	89
96) 1,2,3-Trichlorobenzene	15.30	180	1980	1.382	ug/l	92

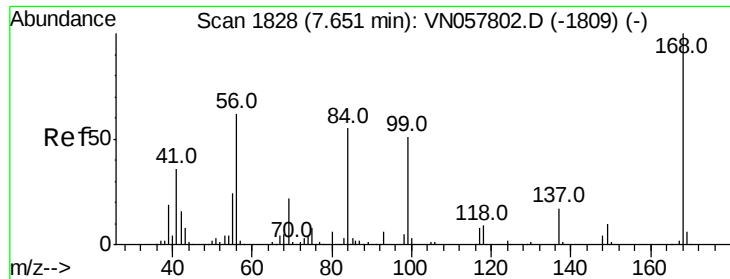
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058077.D

Acq: 15 Sep 2019 9:01

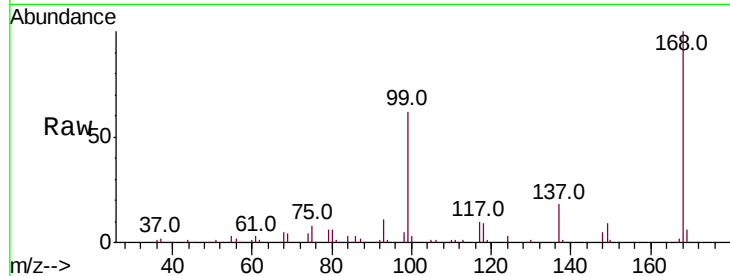
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 323739

Ion Ratio Lower Upper

168 100

99 62.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

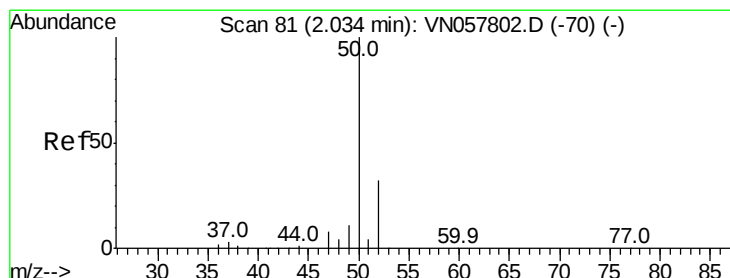
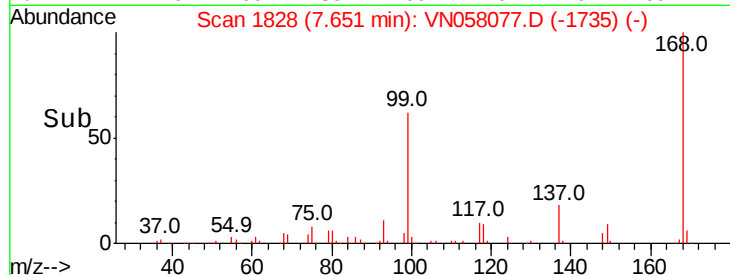
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.206 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058077.D

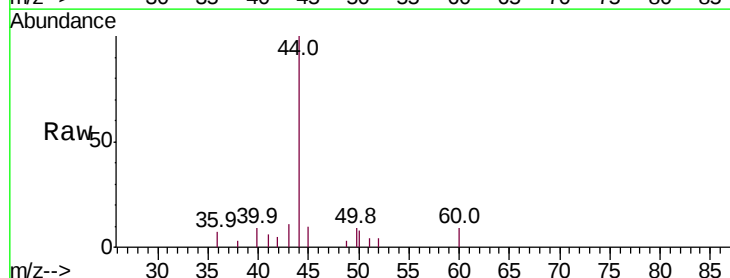
Acq: 15 Sep 2019 9:01

Tgt Ion: 50 Resp: 942

Ion Ratio Lower Upper

50 100

52 25.1 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

1000

800

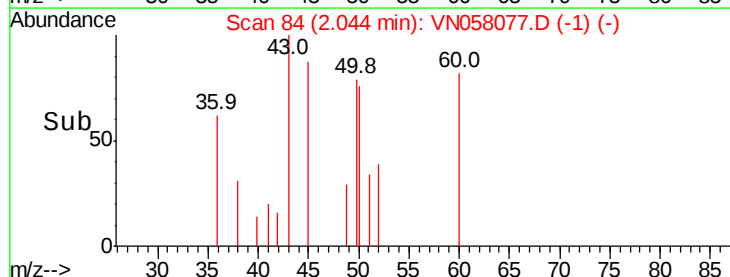
600

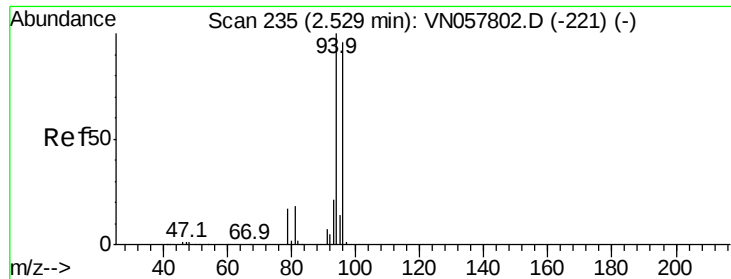
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN058077.D

Acq: 15 Sep 2019 9:01

Instrument :

MSVOA_N

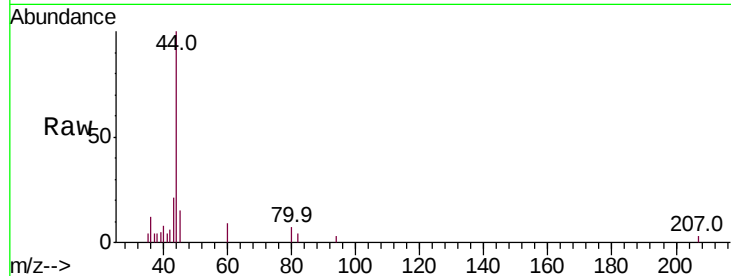
ClientSampleId :

Tot Ion: 94 Resp: 33

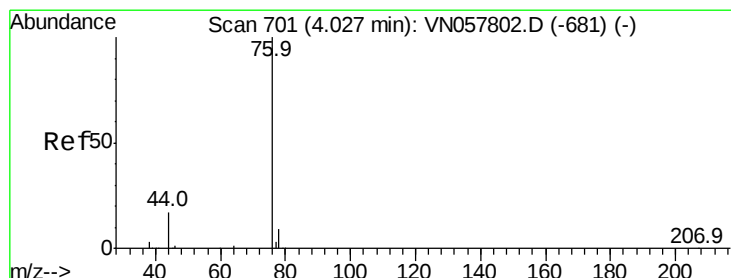
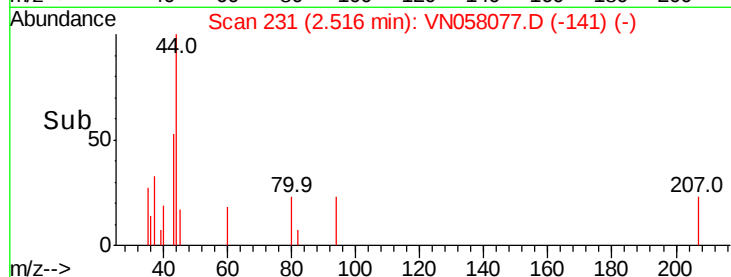
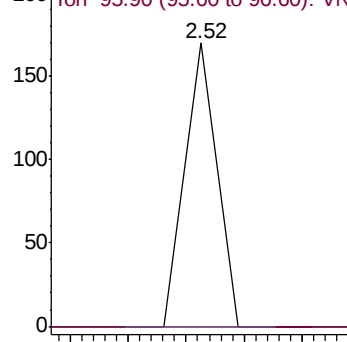
Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)



#17

Carbon Disulfide

Concen: 0.285 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058077.D

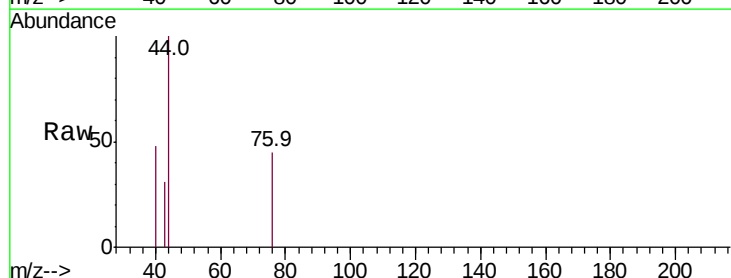
Acq: 15 Sep 2019 9:01

Tgt Ion: 76 Resp: 681

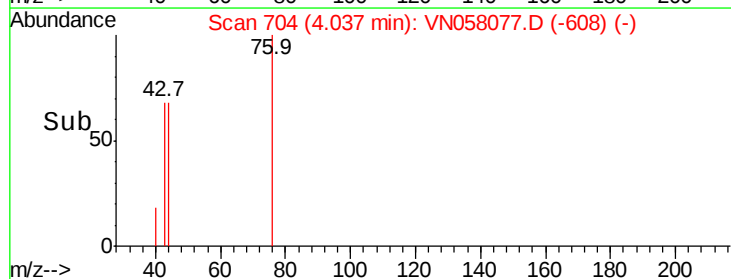
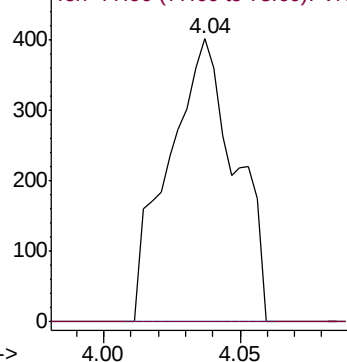
Ion Ratio Lower Upper

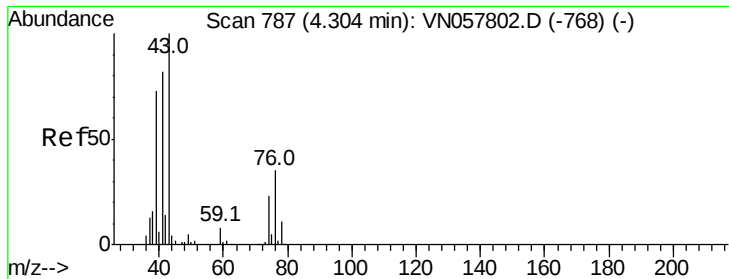
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN057802.D (-681) (-)

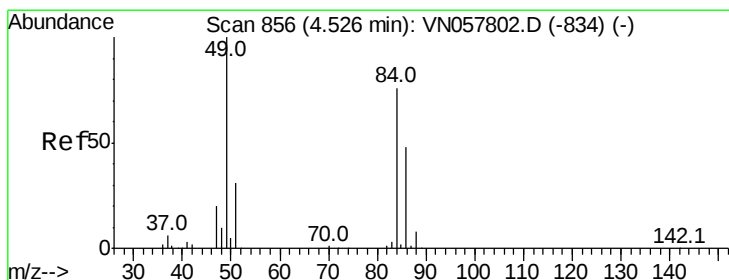
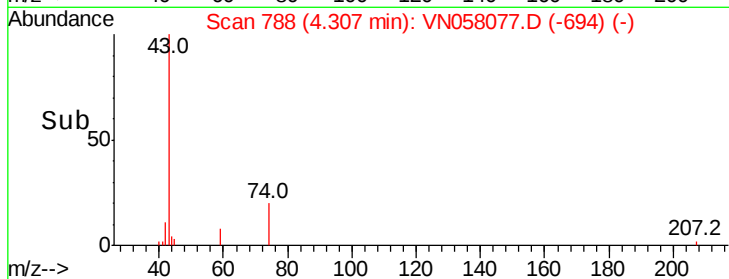
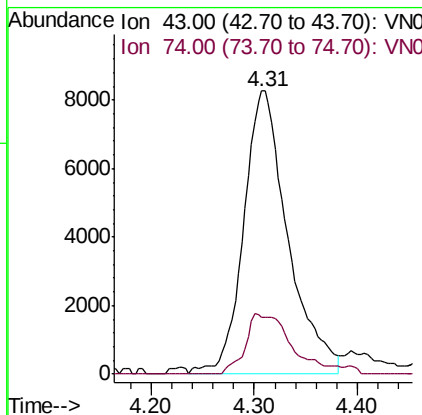
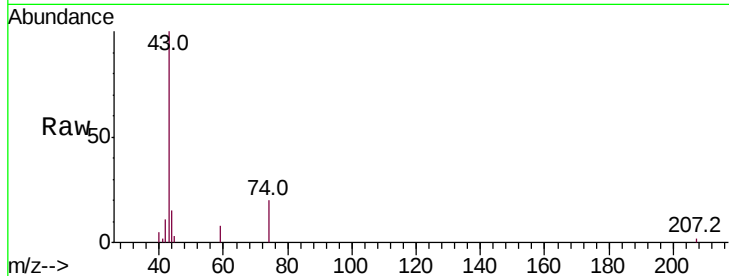




#18
Methyl Acetate
Concen: 4.312 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN058077.D
Acq: 15 Sep 2019 9:01

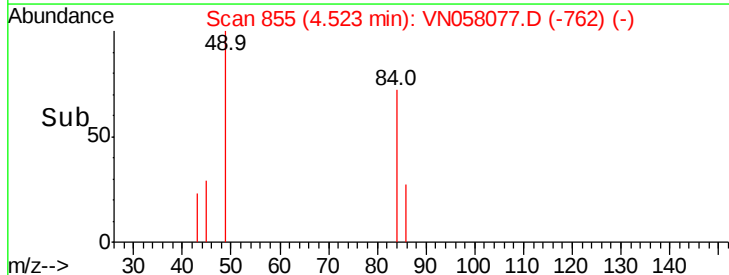
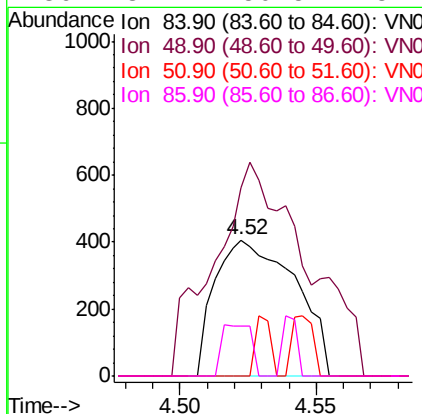
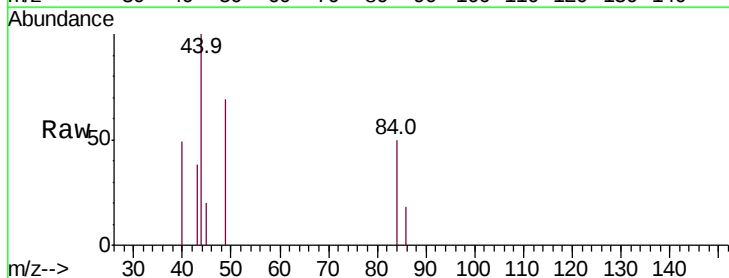
Instrument :
MSVOA_N
ClientSampled :

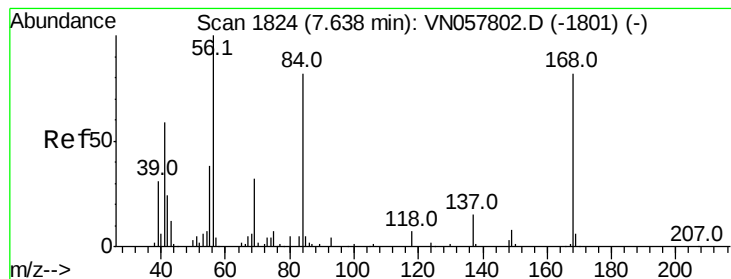
Tot Ion: 43 Resp: 24711
Ion Ratio Lower Upper
43 100
74 22.5 17.9 26.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058077.D
Acq: 15 Sep 2019 9:01

Tgt Ion: 84 Resp: 830
Ion Ratio Lower Upper
84 100
49 75.1 104.8 157.2#
51 0.0 33.0 49.4#
86 37.2 50.5 75.7#





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058077.D

Acq: 15 Sep 2019 9:01

Instrument :
MSVOA_N
ClientSampled :

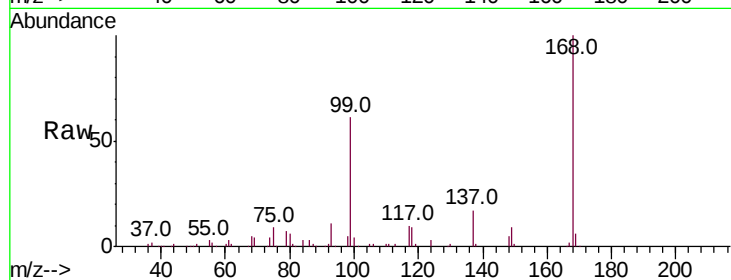
Tot Ion: 56 Resp: 8118

Ion Ratio Lower Upper

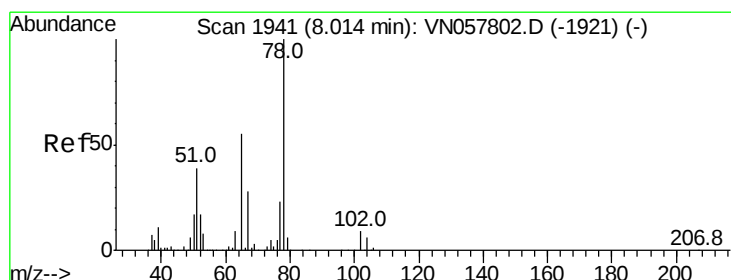
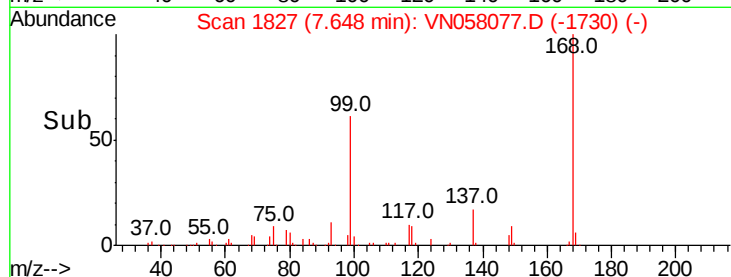
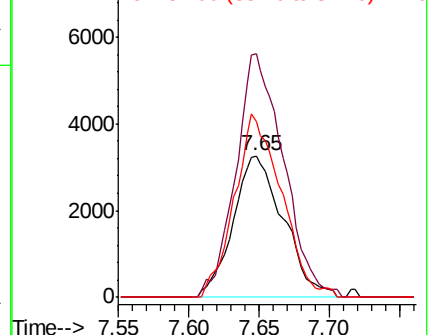
56 100

69 172.3 25.9 38.9#

84 124.3 65.6 98.4#



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



#33

1,2-Dichloroethane-d4

Concen: 53.557 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058077.D

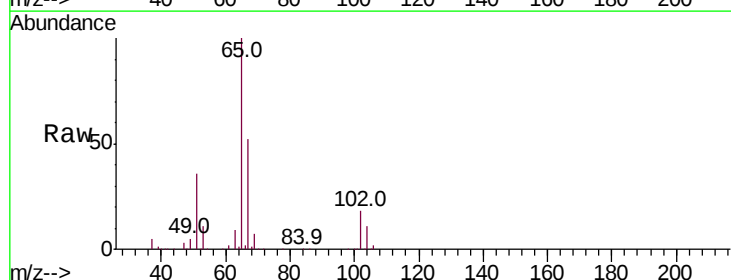
Acq: 15 Sep 2019 9:01

Tgt Ion: 65 Resp: 351175

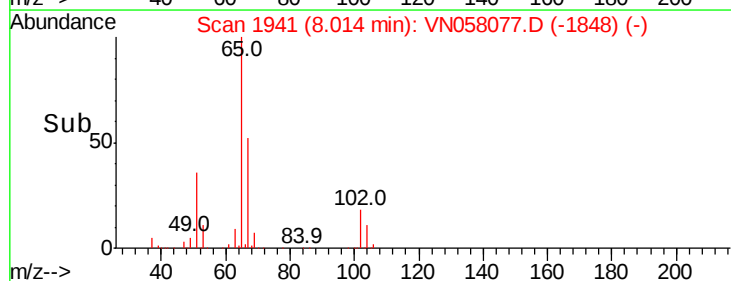
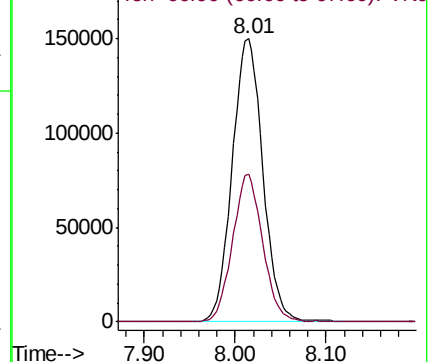
Ion Ratio Lower Upper

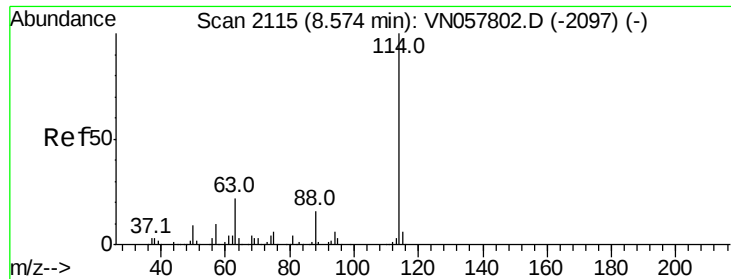
65 100

67 51.2 0.0 104.0



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

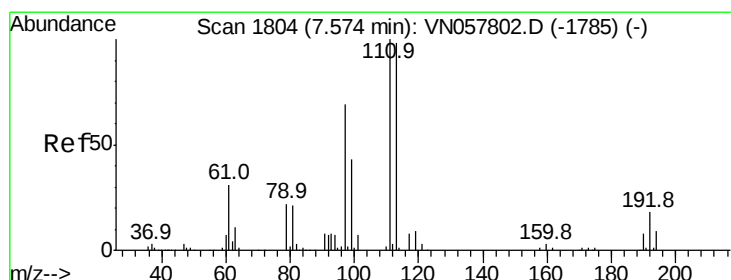
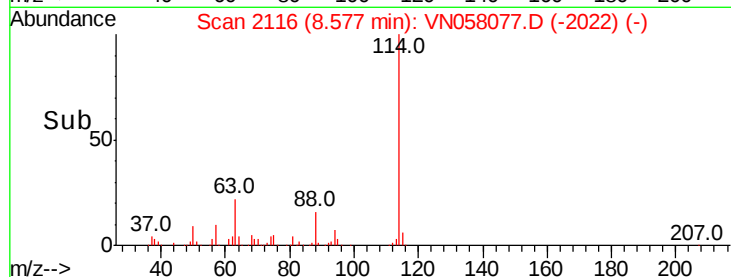
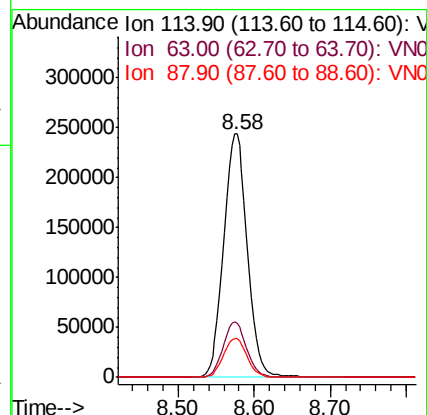
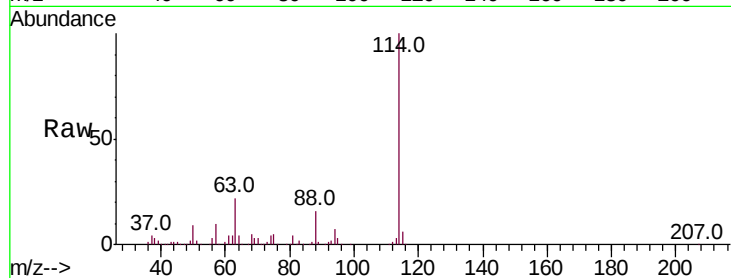




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058077.D
 Acq: 15 Sep 2019 9:01

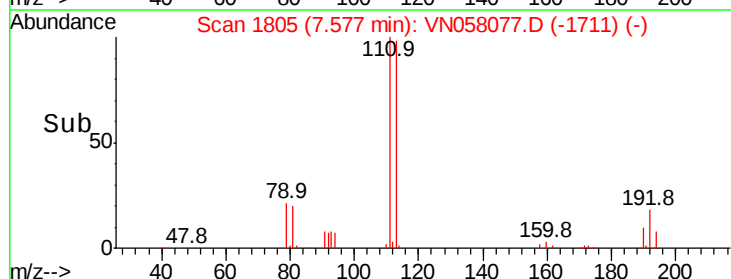
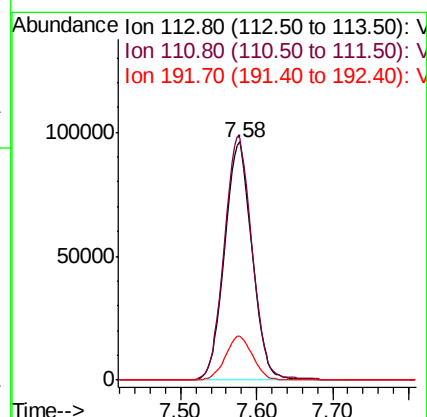
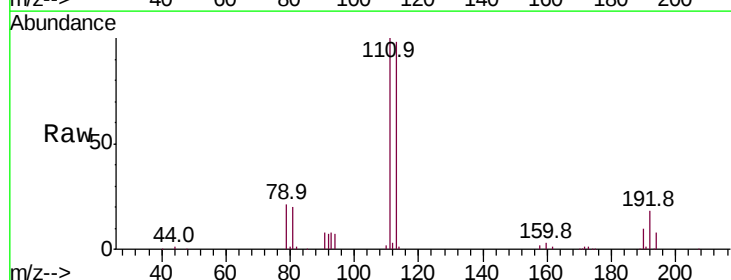
Instrument :
 MSVOA_N
 ClientSampleId :

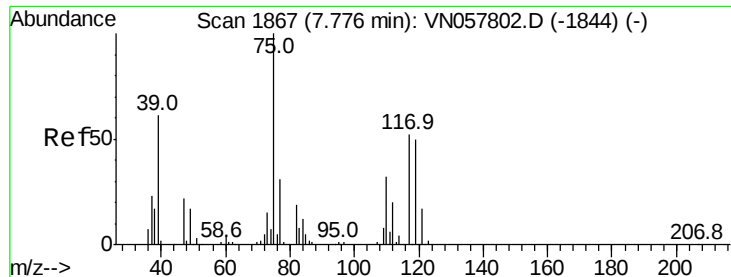
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.0	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 49.796 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058077.D
 Acq: 15 Sep 2019 9:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.3	121.9
192	18.2	14.6	22.0

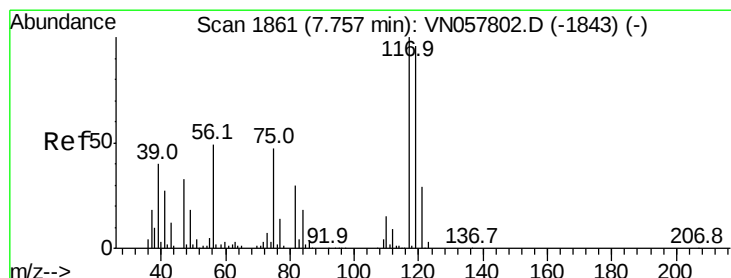
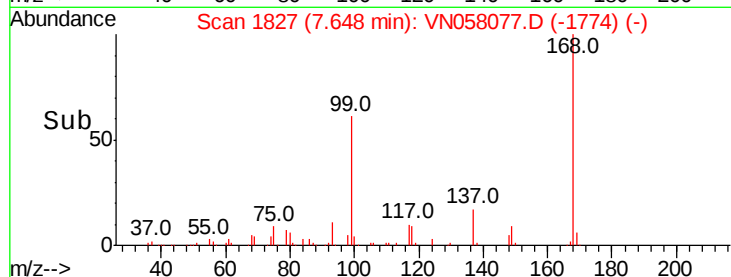
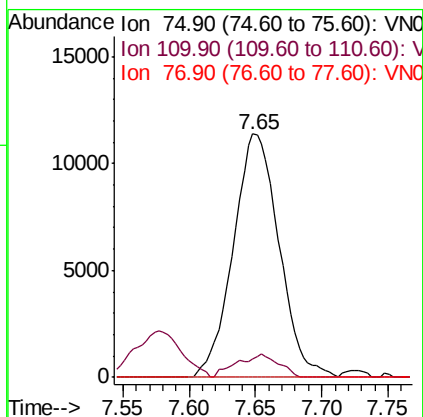
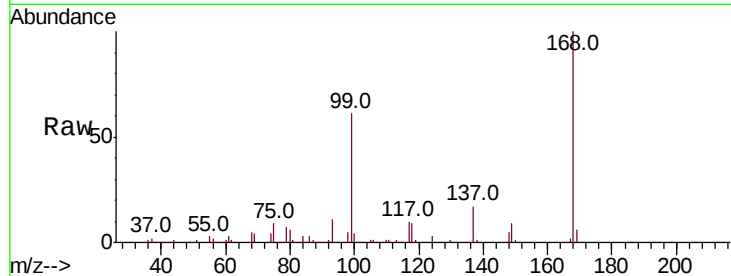




#36
 1,1-Dichloropropene
 Concen: 4.483 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058077.D
 Acq: 15 Sep 2019 9:01

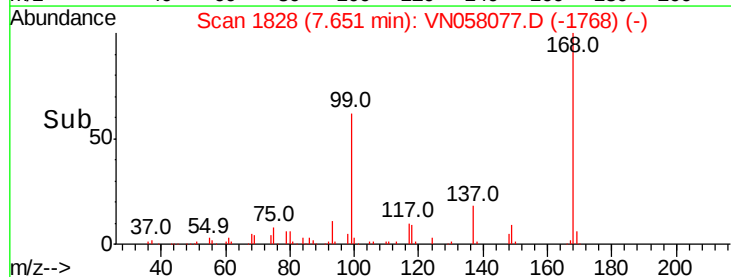
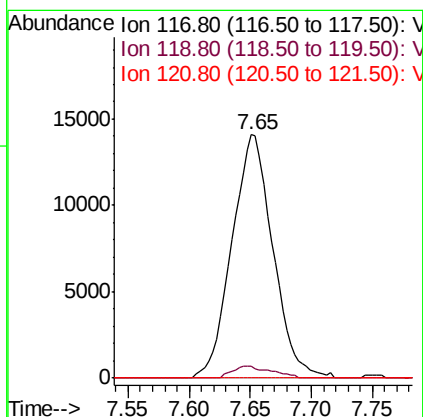
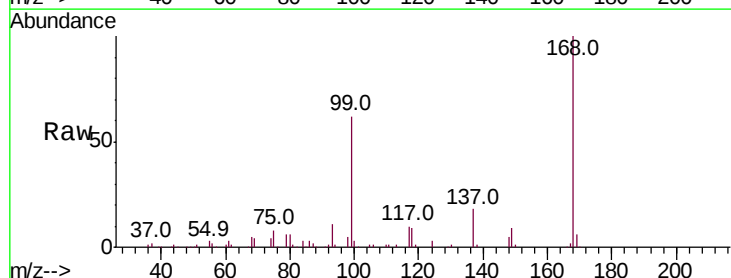
Instrument :
 MSVOA_N
 ClientSampleId :

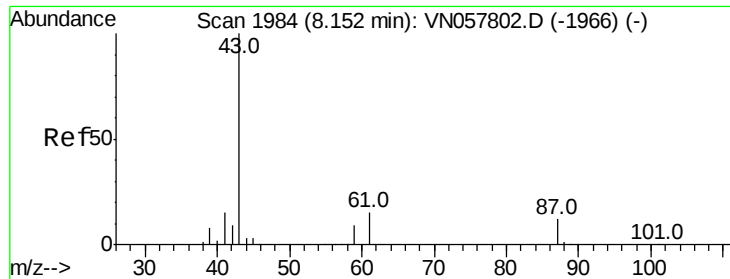
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.3	48.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.877 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058077.D
 Acq: 15 Sep 2019 9:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.9	115.3#
121	0.0	23.4	35.2#





#43

Isopropyl Acetate

Concen: 1.759 ug/l

RT: 8.23 min Scan# 2007

Delta R.T. 0.07 min

Lab File: VN058077.D

Acq: 15 Sep 2019 9:01

Instrument :

MSVOA_N

ClientSampled :

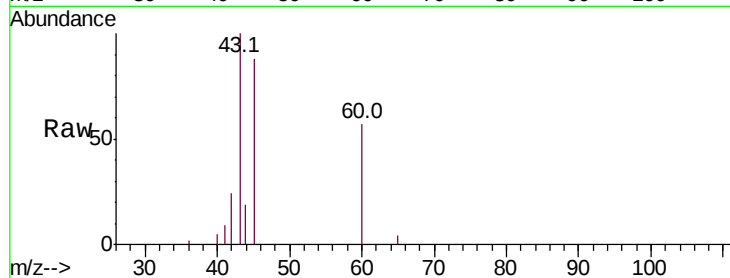
Tot Ion: 43 Resp: 18700

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

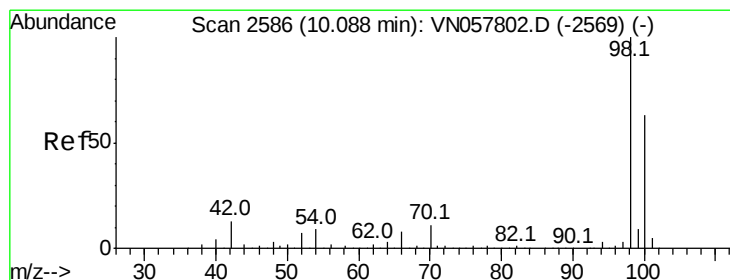
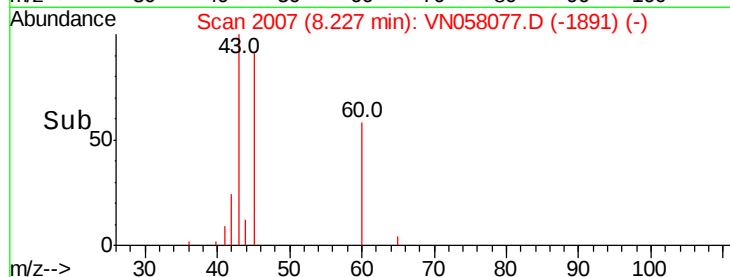
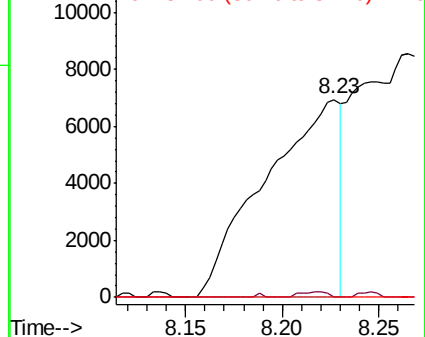
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.952 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058077.D

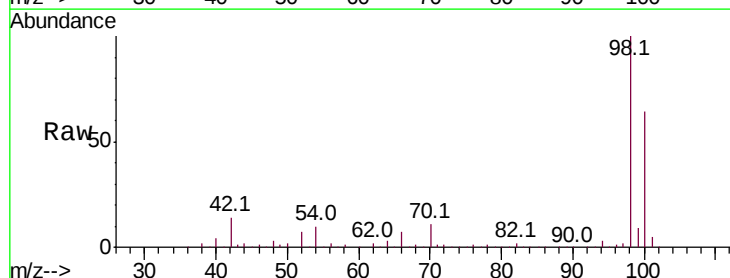
Acq: 15 Sep 2019 9:01

Tgt Ion: 98 Resp: 944348

Ion Ratio Lower Upper

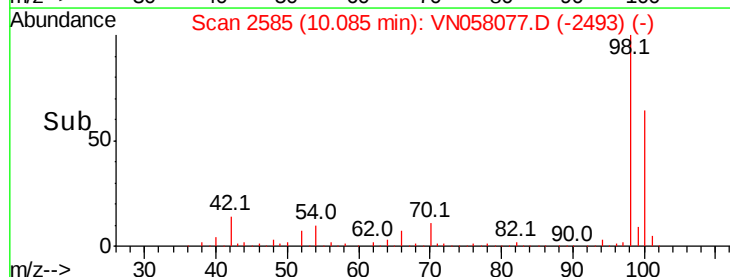
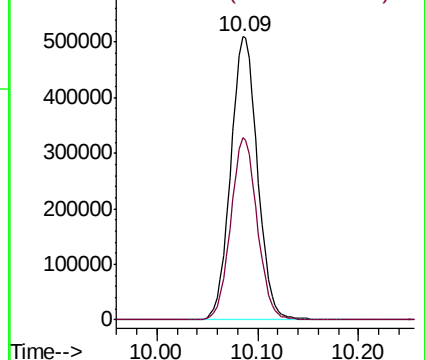
98 100

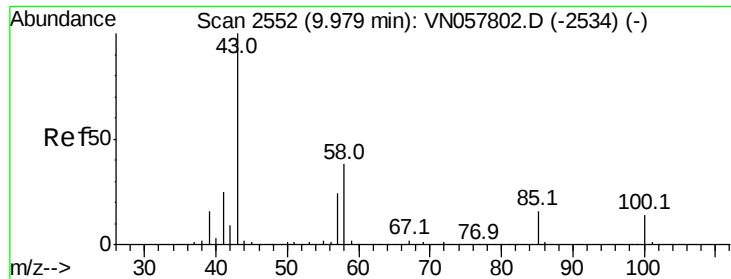
100 63.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.298 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058077.D

Acq: 15 Sep 2019 9:01

Instrument :

MSVOA_N

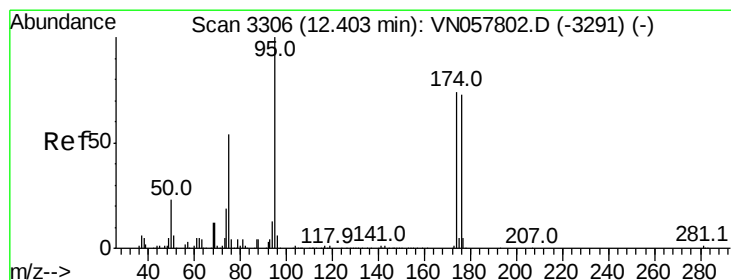
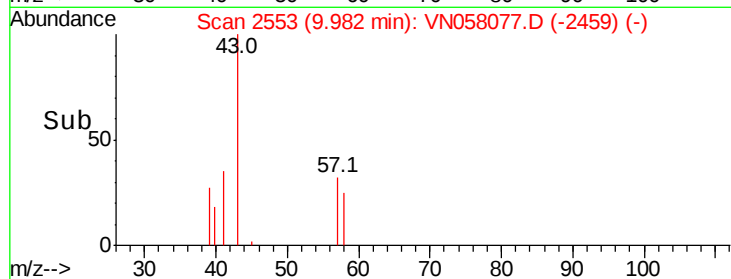
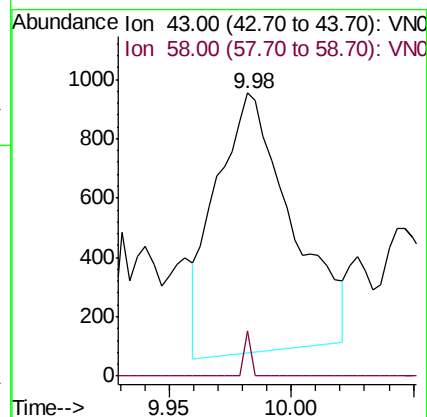
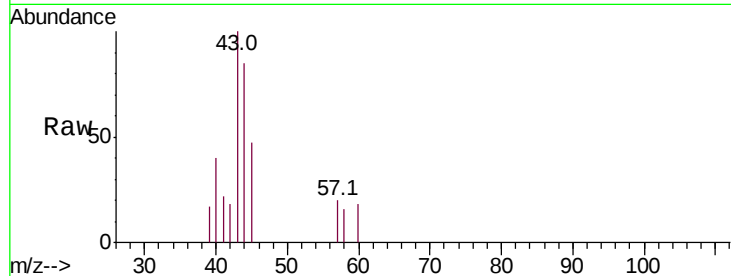
ClientSampled :

Tot Ion: 43 Resp: 1874

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.6#



#62

4-Bromofluorobenzene

Concen: 43.646 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058077.D

Acq: 15 Sep 2019 9:01

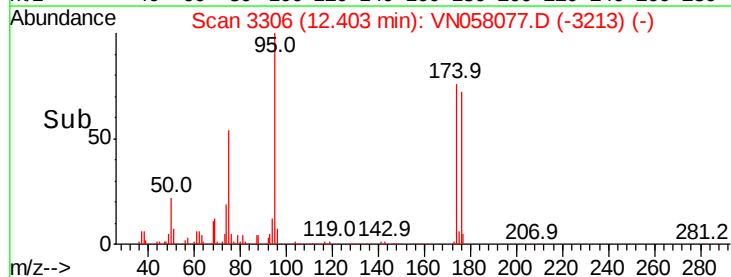
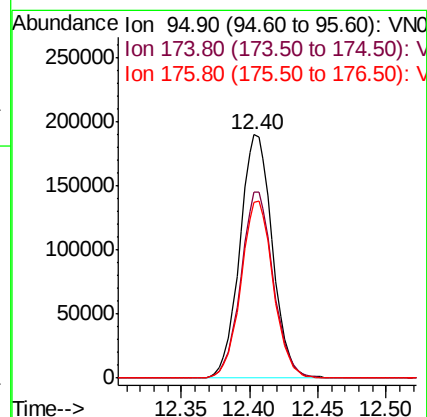
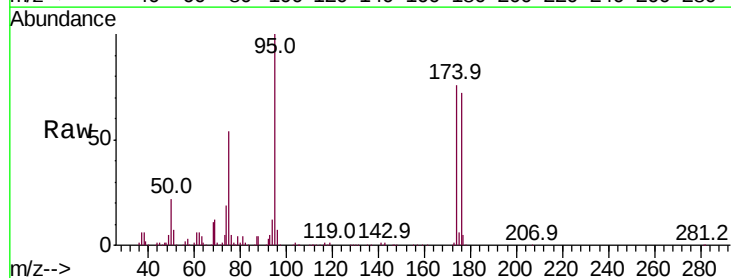
Tgt Ion: 95 Resp: 314447

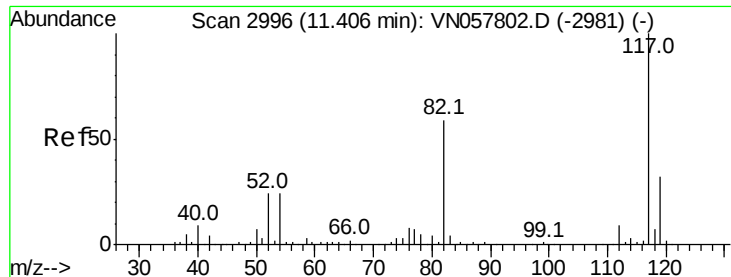
Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.2

176 72.4 0.0 146.0

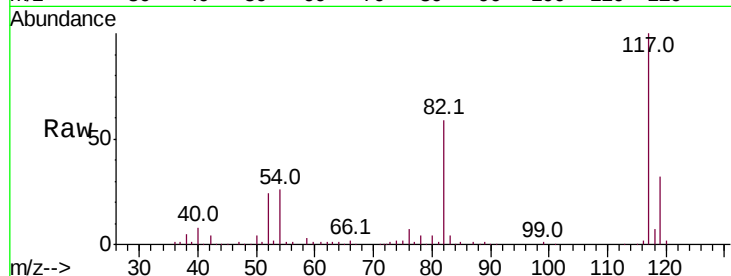




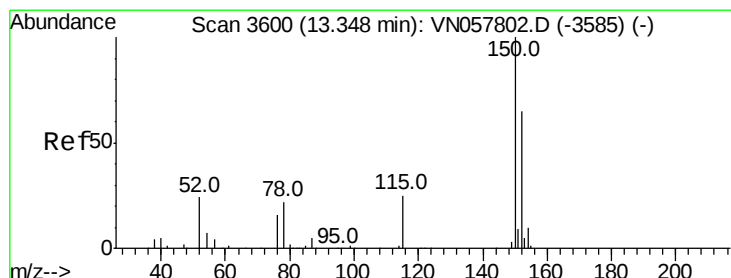
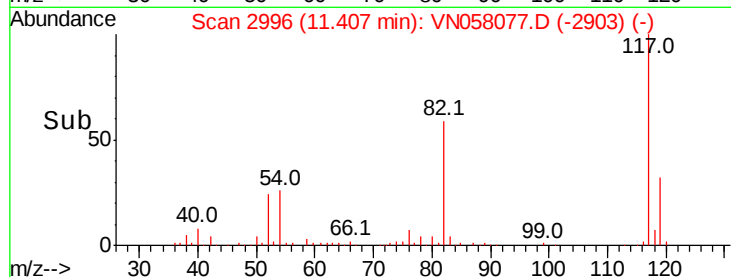
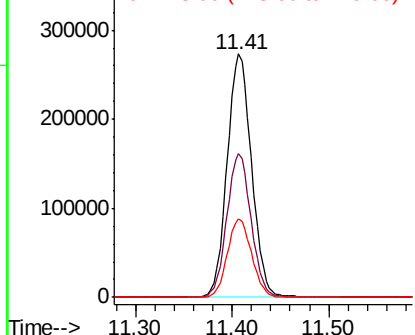
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058077.D
Acq: 15 Sep 2019 9:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 478952
Ion Ratio Lower Upper
117 100
82 59.1 47.2 70.8
119 32.4 25.3 37.9

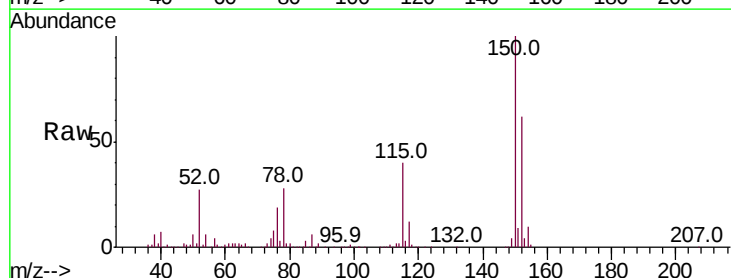


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

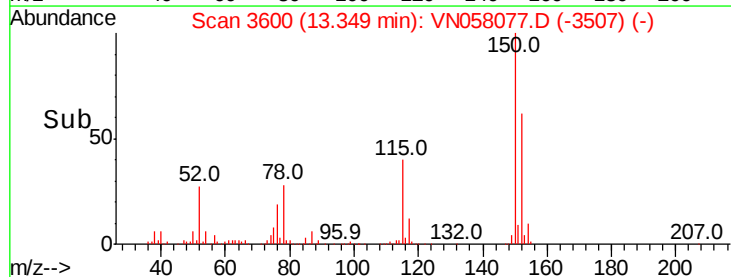
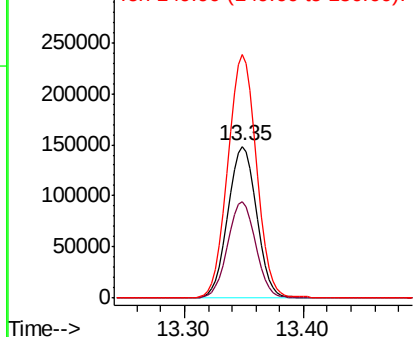


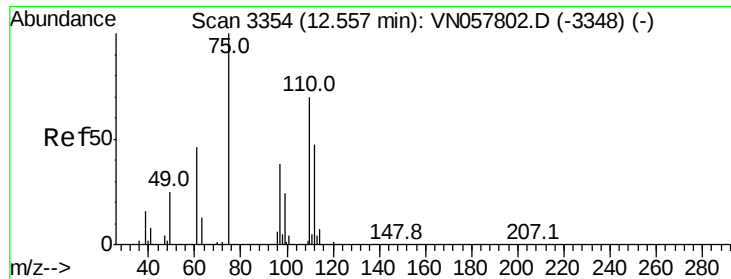
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058077.D
Acq: 15 Sep 2019 9:01

Tgt Ion:152 Resp: 249810
Ion Ratio Lower Upper
152 100
115 62.0 30.3 91.0
150 159.2 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: 29.883 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058077.D

Acq: 15 Sep 2019 9:01

Instrument :

MSVOA_N

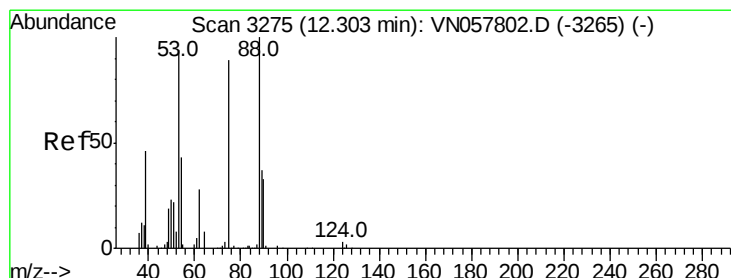
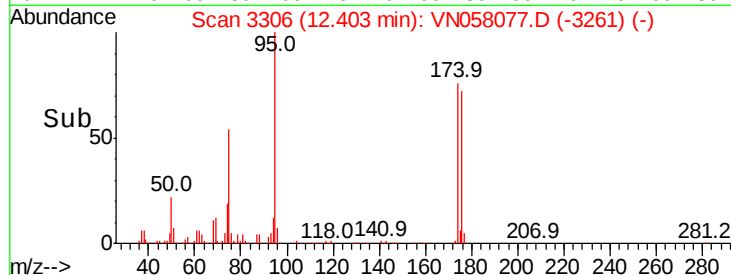
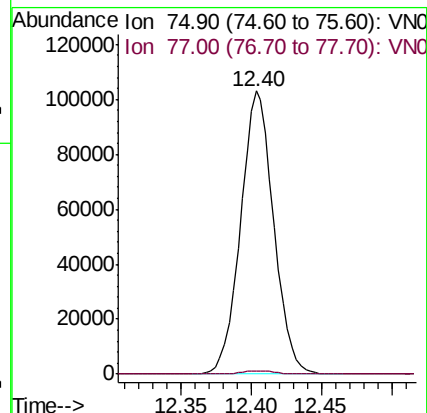
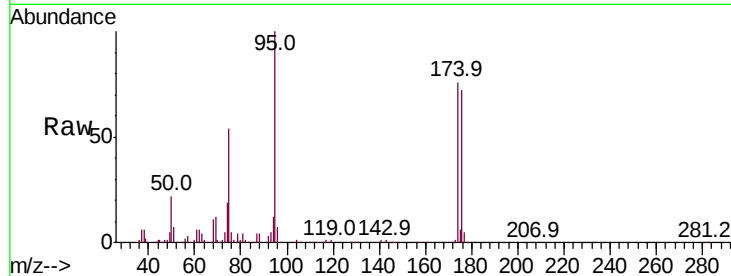
ClientSampleId :

Tot Ion: 75 Resp: 168874

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.160 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058077.D

Acq: 15 Sep 2019 9:01

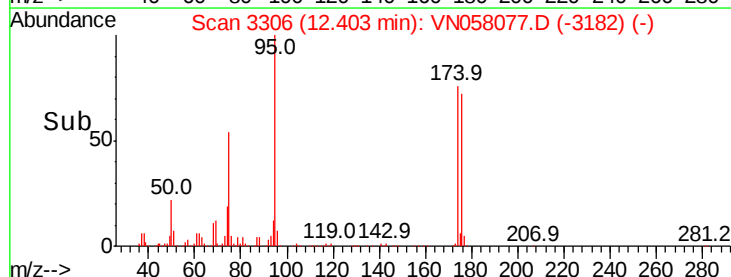
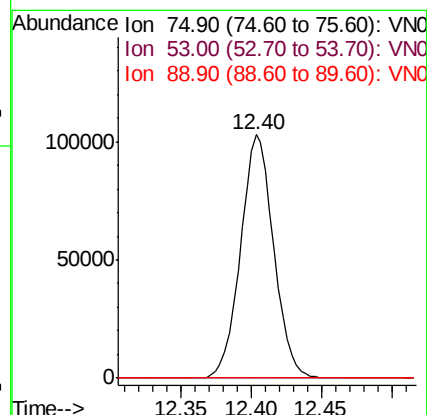
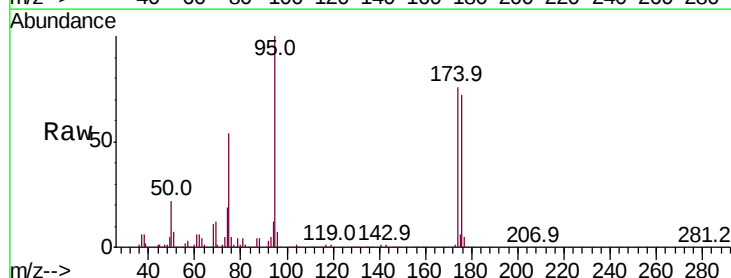
Tgt Ion: 75 Resp: 168874

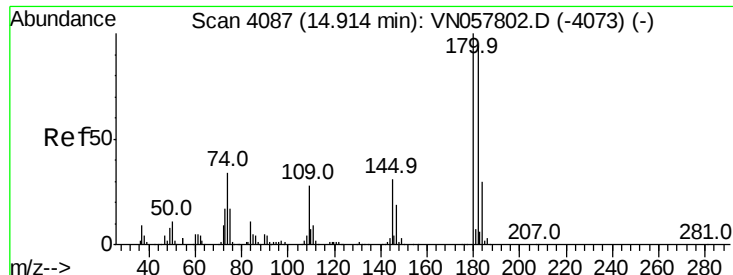
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#

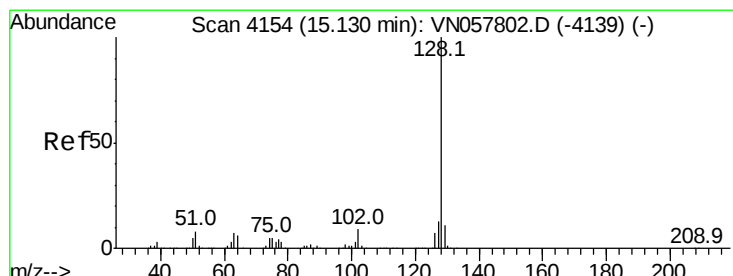
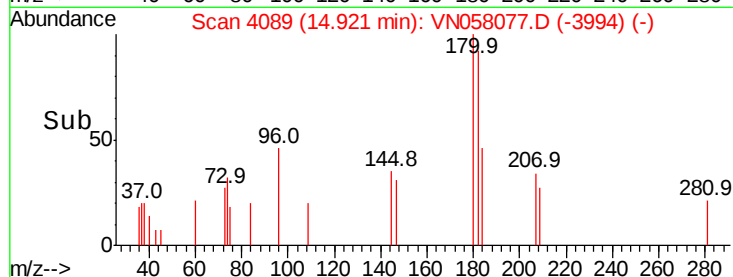
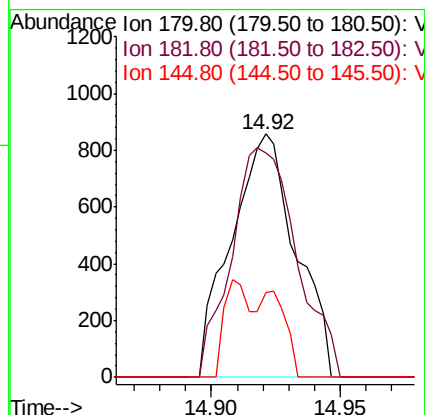
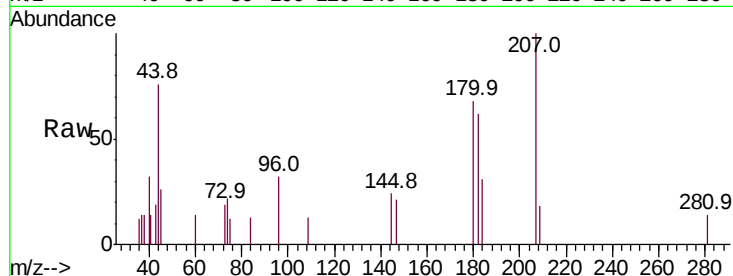




#93
 1,2,4-Trichlorobenzene
 Concen: 0.259 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN058077.D
 Acq: 15 Sep 2019 9:01

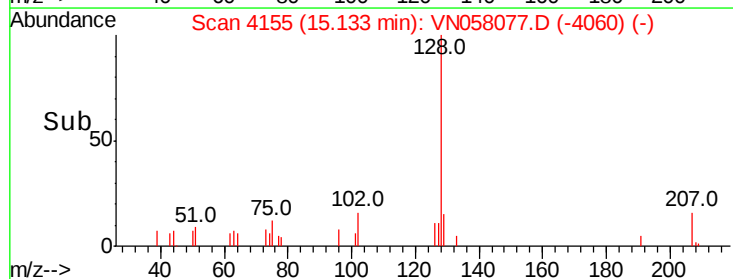
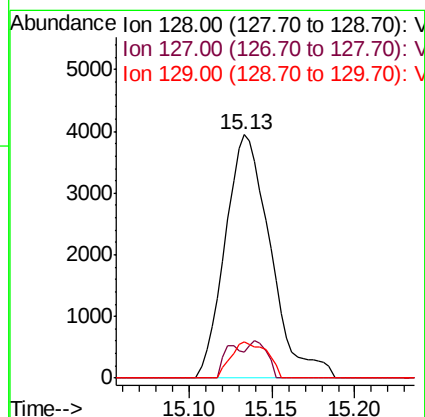
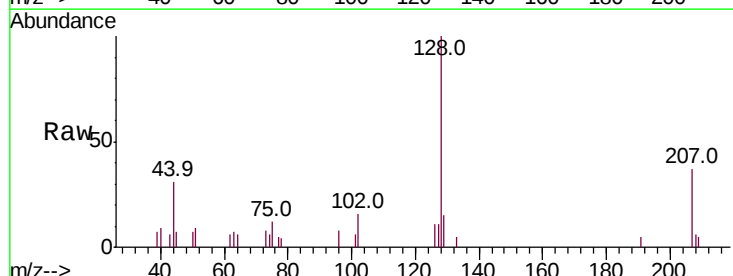
Instrument :
 MSVOA_N
 ClientSampled :

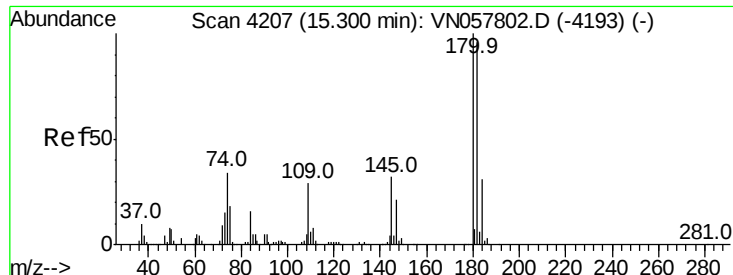
Tot Ion:180 Resp: 1500
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.9 140.8
 145 12.9 14.9 44.7#



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058077.D
 Acq: 15 Sep 2019 9:01

Tgt Ion:128 Resp: 7502
 Ion Ratio Lower Upper
 128 100
 127 5.8 10.3 15.5#
 129 11.7 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 1.382 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058077.D

Acq: 15 Sep 2019 9:01

Instrument :

MSVOA_N

ClientSampleId :

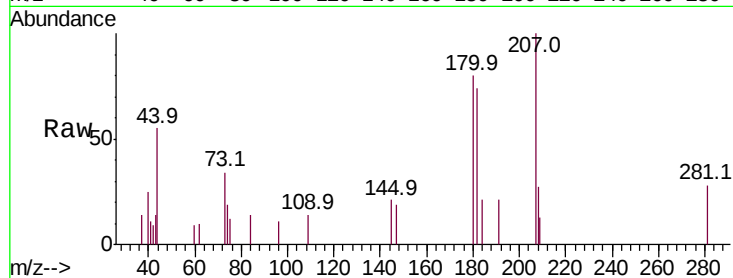
Tot Ion:180 Resp: 1980

Ion Ratio Lower Upper

180 100

182 88.7 48.3 144.8

145 28.2 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

