

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057813.D
 Acq On : 9 Sep 2019 20:13
 Operator : JC/SP
 Sample : K4751-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 07:10:01 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

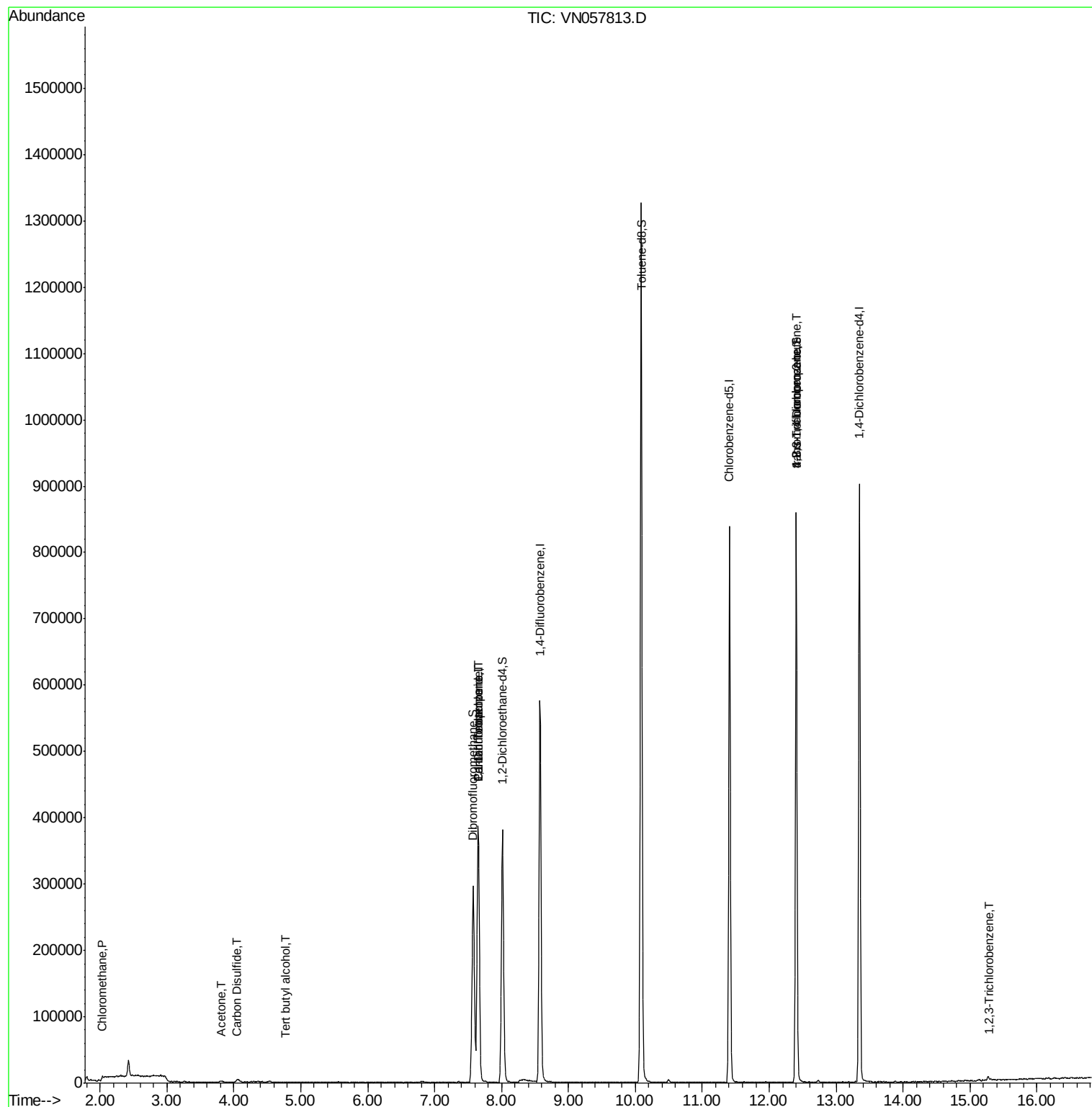
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	298139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	498214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	451373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	224171	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	324489	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	7.58	113	223813	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.08	98	904305	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	283576	41.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.36%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	1624	0.386	ug/l	98
5) Bromomethane	2.54	94	298	Below Cal	#	73
11) Tert butyl alcohol	4.78	59	222	0.304	ug/l #	72
16) Acetone	3.81	43	4183	2.113	ug/l #	88
17) Carbon Disulfide	4.03	76	550	0.270	ug/l #	75
20) Methylene Chloride	4.52	84	826	Below Cal		87
31) Cyclohexane	7.65	56	8591	Below Cal	#	30
36) 1,1-Dichloropropene	7.65	75	24909	4.311	ug/l #	45
38) Carbon Tetrachloride	7.65	117	31223	5.919	ug/l #	16
76) 1,2,3-Trichloropropane	12.40	75	156798	30.920	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	156798	108.807	ug/l #	6
95) Naphthalene	15.13	128	2005	Below Cal	#	71
96) 1,2,3-Trichlorobenzene	15.29	180	479	1.102	ug/l #	29

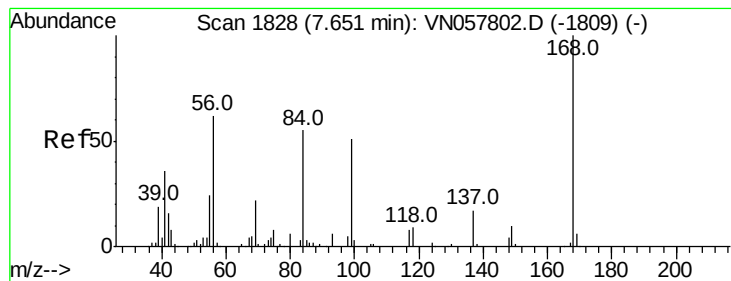
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
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: VN057813.D

Acq: 9 Sep 2019 20:13

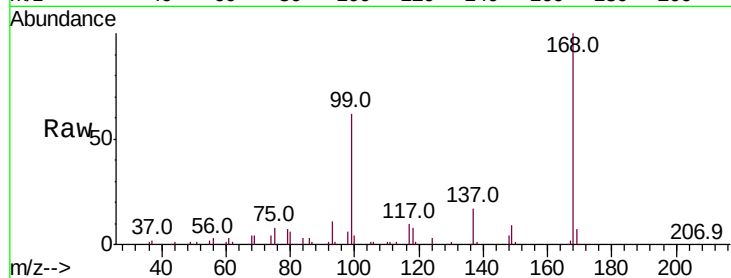
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 298139

Ion Ratio Lower Upper

168 100

99 62.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

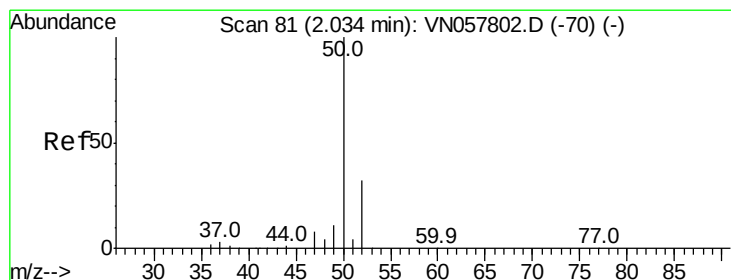
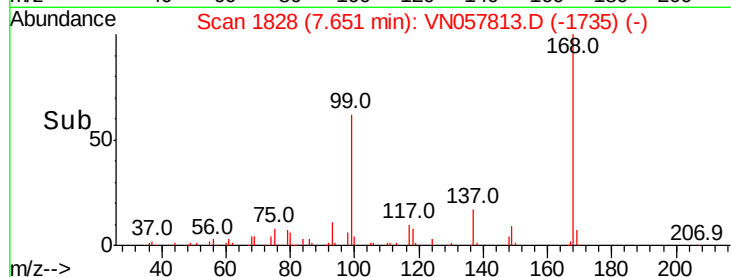
7.65

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.386 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057813.D

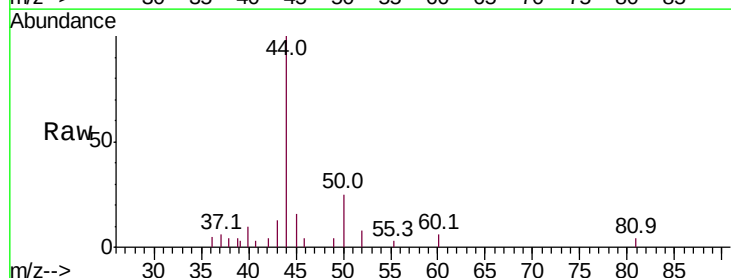
Acq: 9 Sep 2019 20:13

Tgt Ion: 50 Resp: 1624

Ion Ratio Lower Upper

50 100

52 30.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

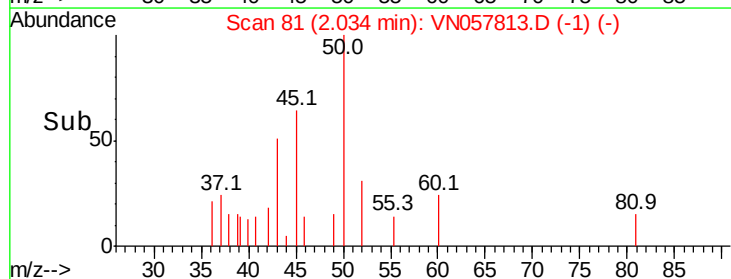
2.03

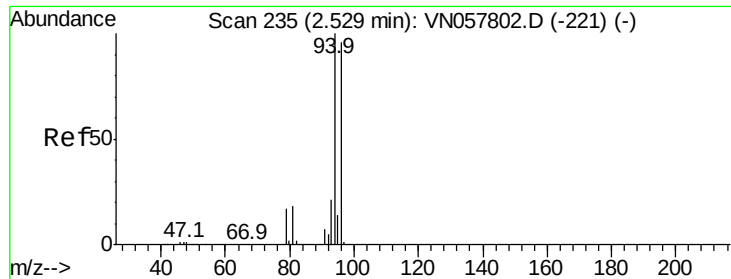
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

Instrument :

MSVOA_N

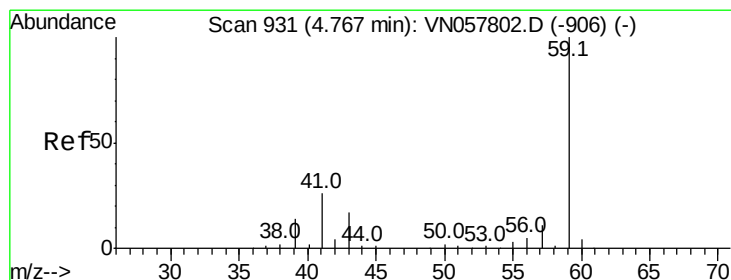
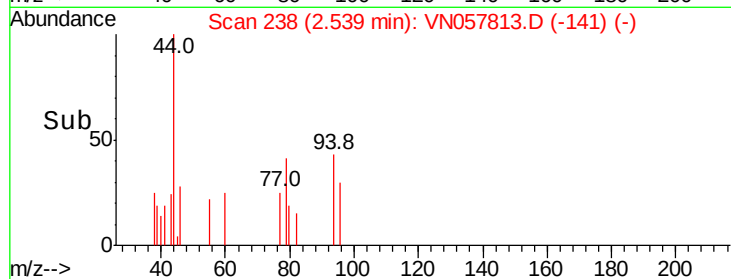
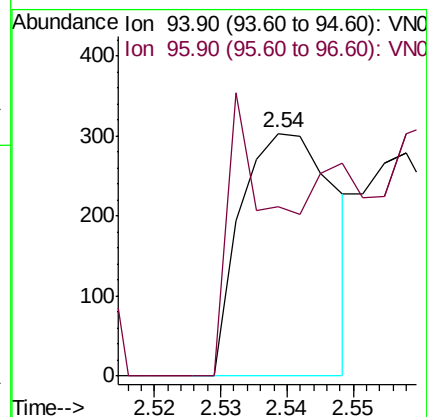
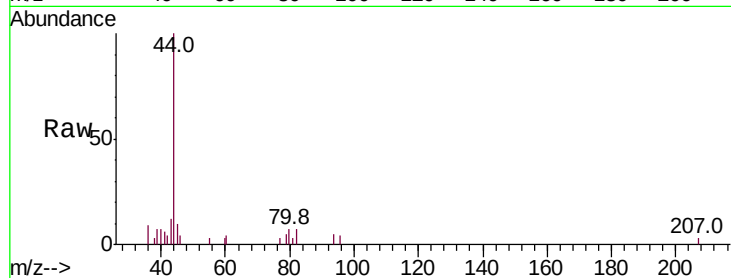
ClientSampled :

Tot Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 70.0 77.0 115.4#



#11

Tert butyl alcohol

Concen: 0.304 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.01 min

Lab File: VN057813.D

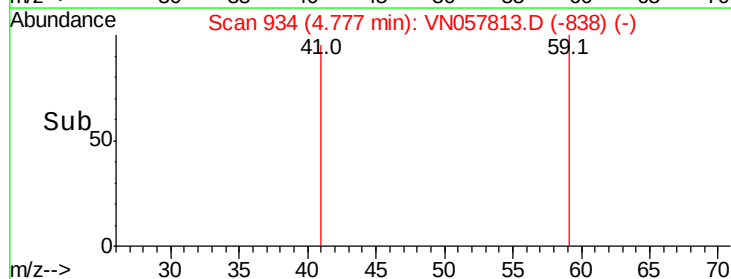
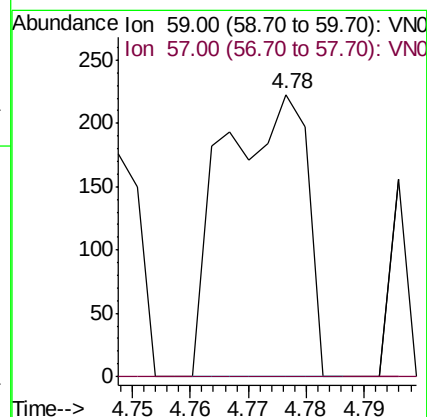
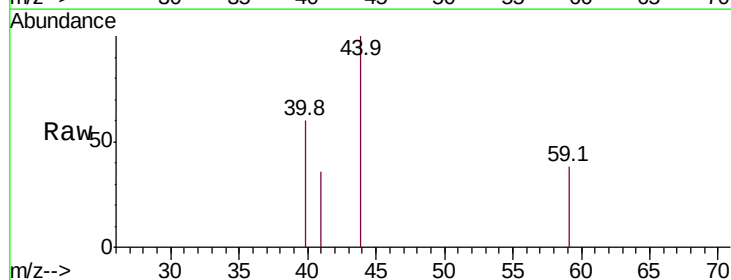
Acq: 9 Sep 2019 20:13

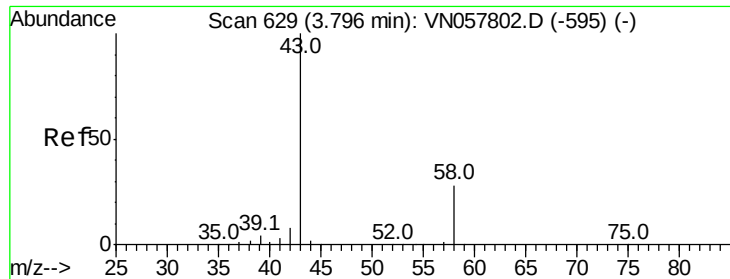
Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





#16

Acetone

Concen: 2.113 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

Instrument :

MSVOA_N

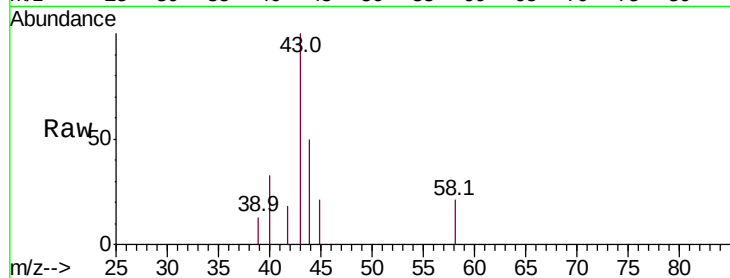
ClientSampled :

Tot Ion: 43 Resp: 4183

Ion Ratio Lower Upper

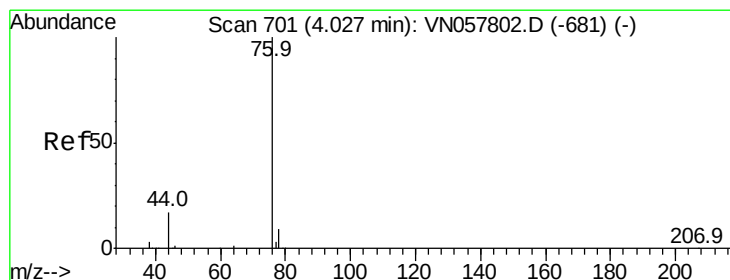
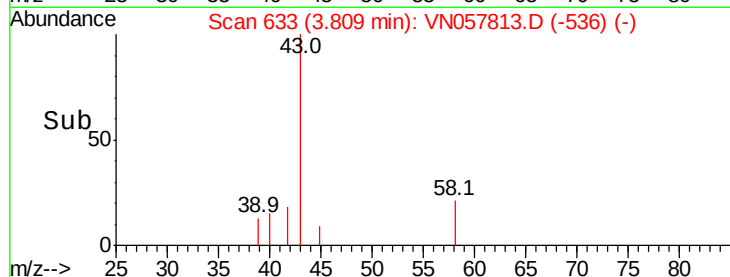
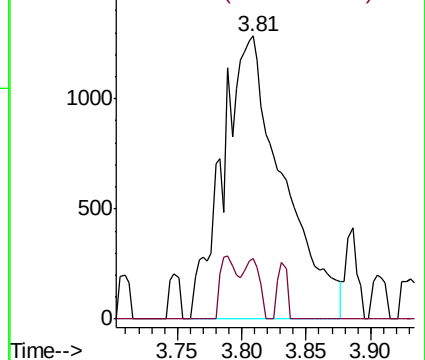
43 100

58 21.2 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057813.D

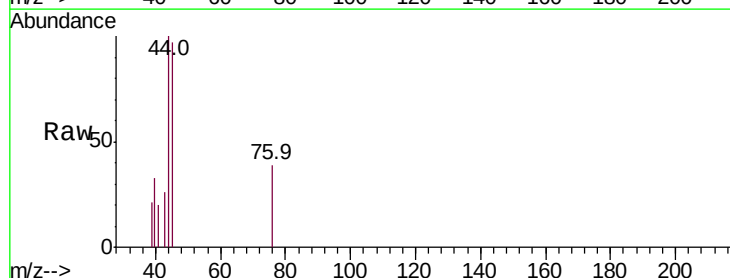
Acq: 9 Sep 2019 20:13

Tgt Ion: 76 Resp: 550

Ion Ratio Lower Upper

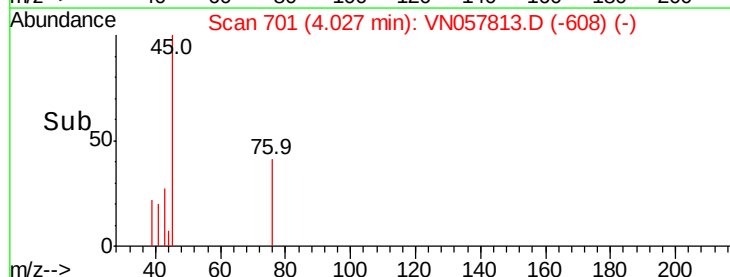
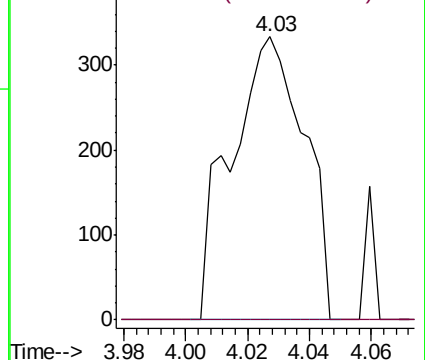
76 100

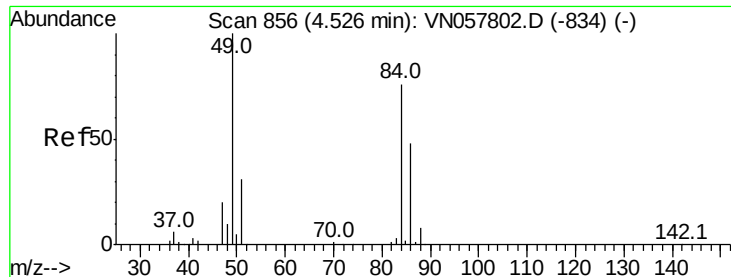
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 826

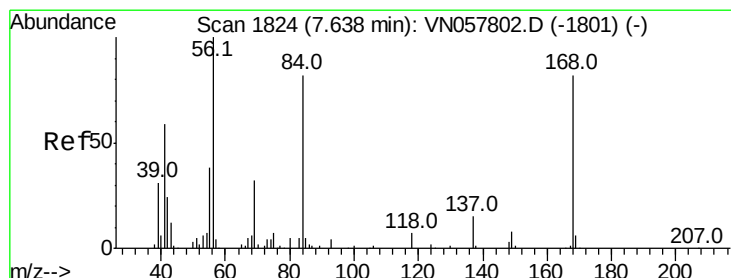
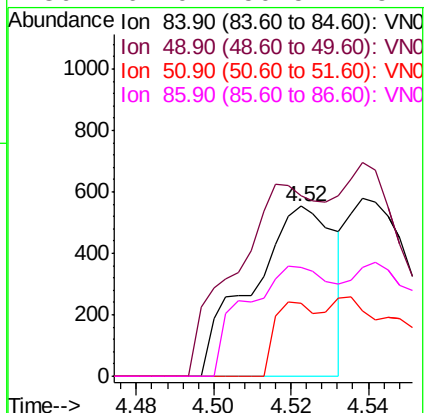
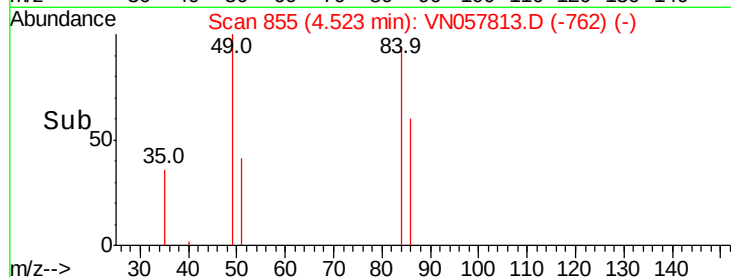
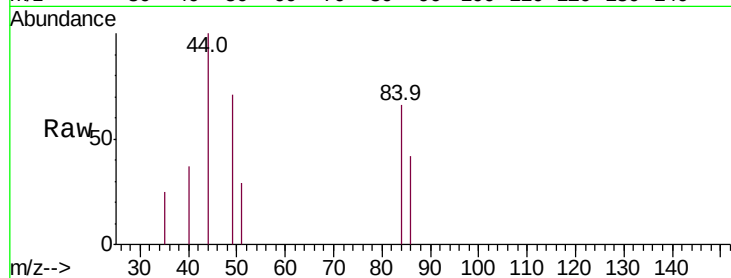
Ion Ratio Lower Upper

84 100

49 106.5 104.8 157.2

51 43.2 33.0 49.4

86 64.0 50.5 75.7



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

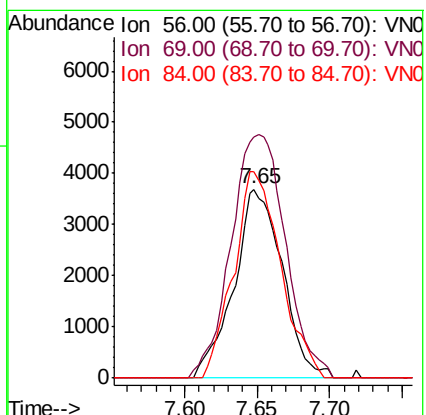
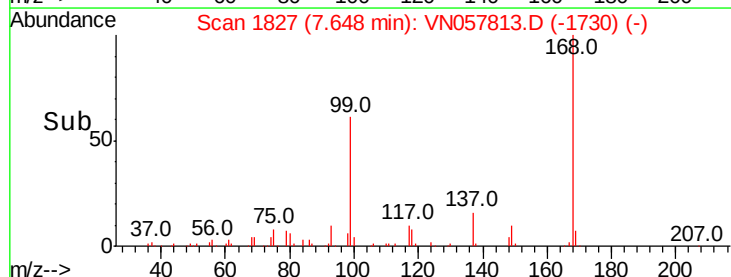
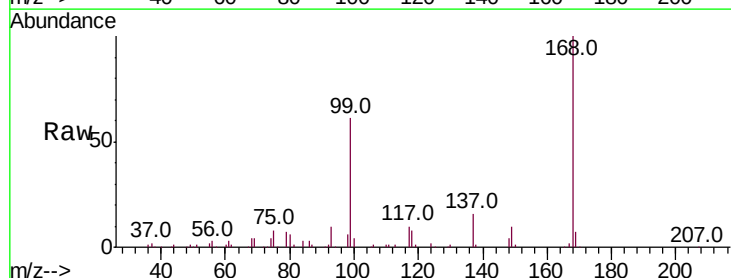
Tgt Ion: 56 Resp: 8591

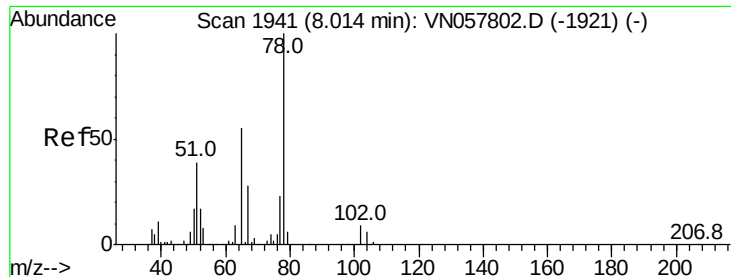
Ion Ratio Lower Upper

56 100

69 127.6 25.9 38.9#

84 109.2 65.6 98.4#

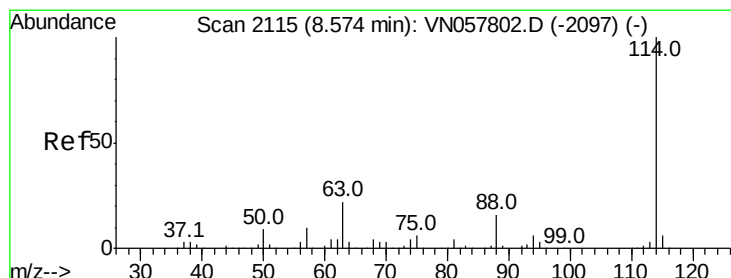
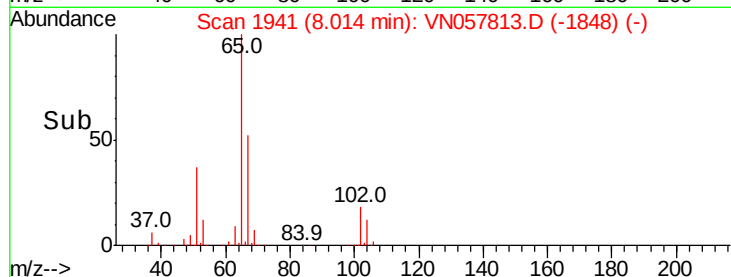
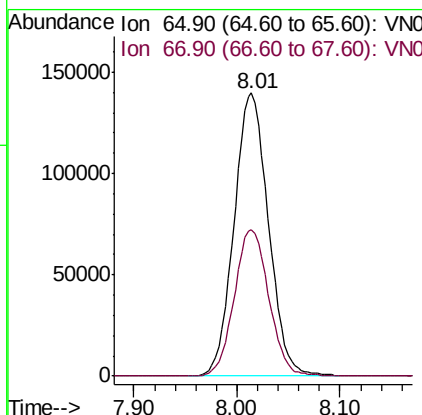
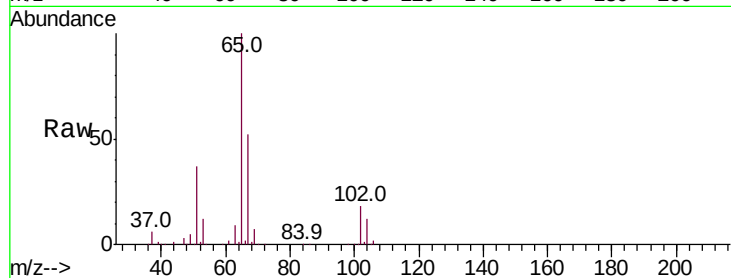




#33
 1,2-Dichloroethane-d4
 Concen: 53.736 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057813.D
 Acq: 9 Sep 2019 20:13

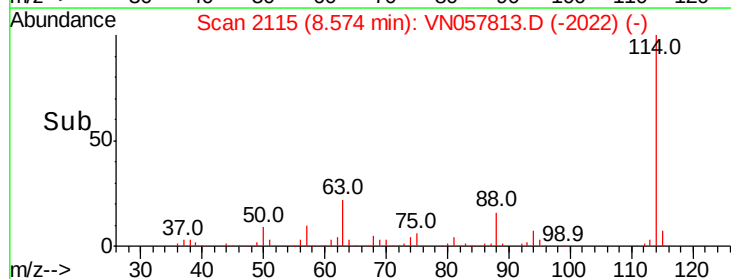
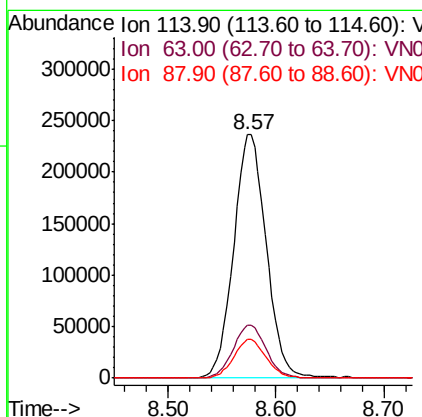
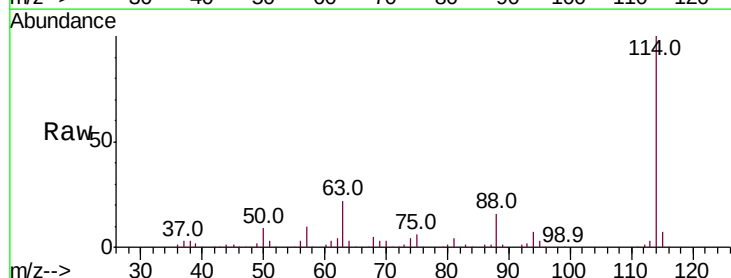
Instrument :
 MSVOA_N
 ClientSampleId :

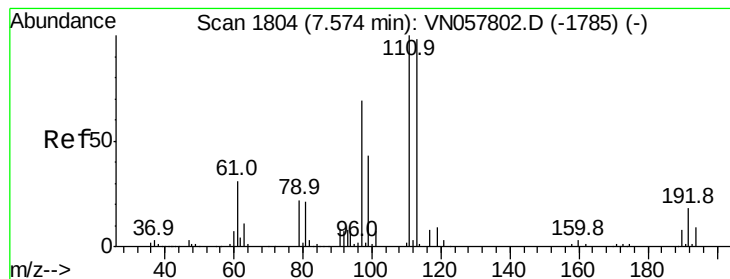
Tot Ion: 65 Resp: 324489
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057813.D
 Acq: 9 Sep 2019 20:13

Tgt Ion: 114 Resp: 498214
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.673 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :

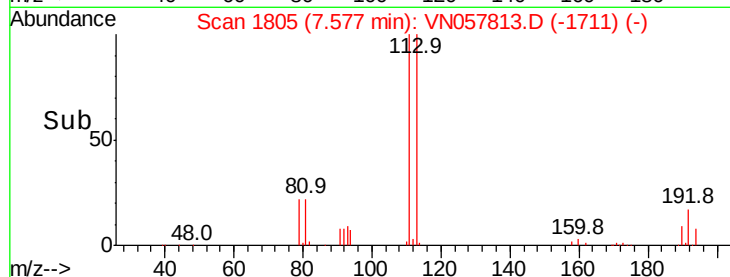
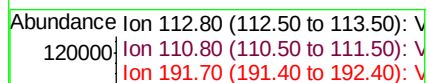
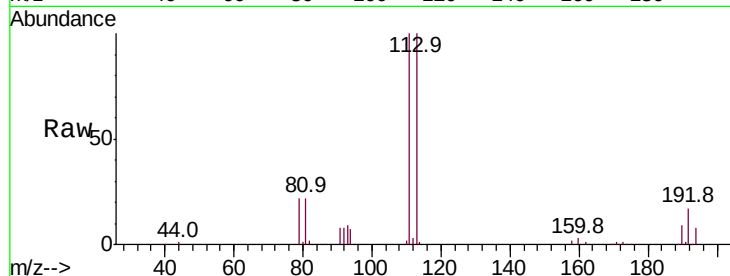
Tot Ion:113 Resp: 223813

Ion Ratio Lower Upper

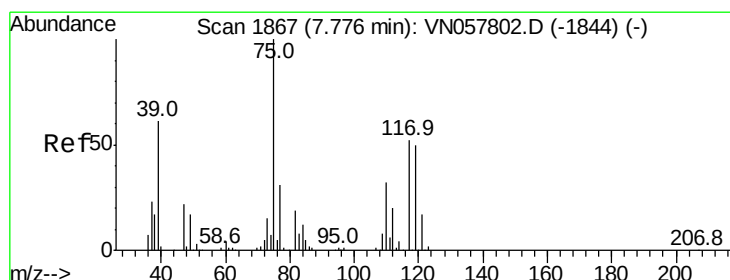
113 100

111 101.0 81.3 121.9

192 17.6 14.6 22.0



Time-->



#36

1,1-Dichloropropene

Concen: 4.311 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

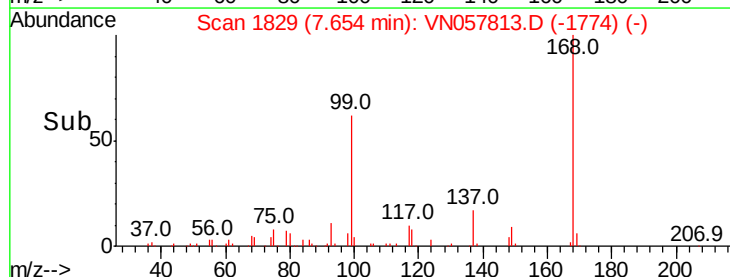
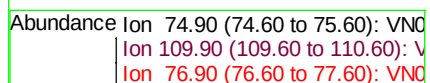
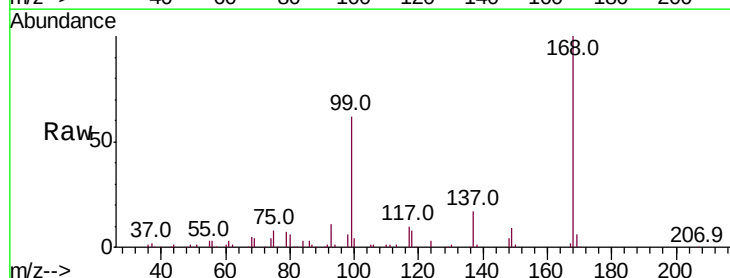
Tgt Ion: 75 Resp: 24909

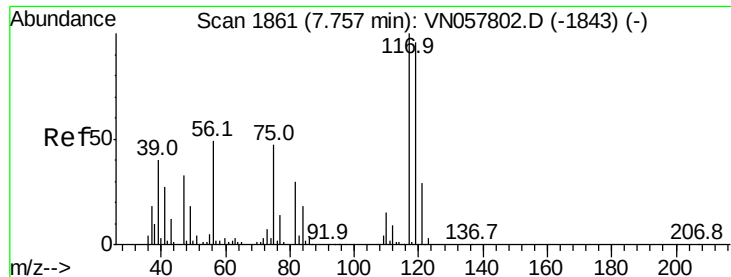
Ion Ratio Lower Upper

75 100

110 2.7 16.3 48.9#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.919 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

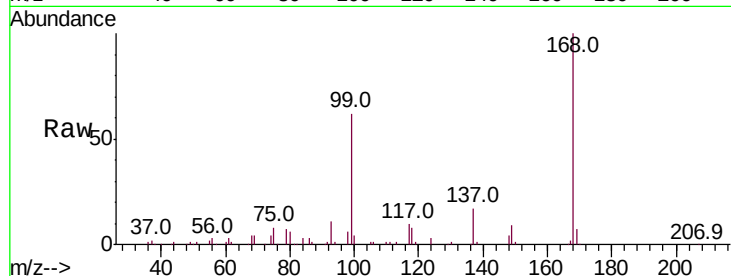
Tot Ion:117 Resp: 31223

Ion Ratio Lower Upper

117 100

119 5.7 76.9 115.3#

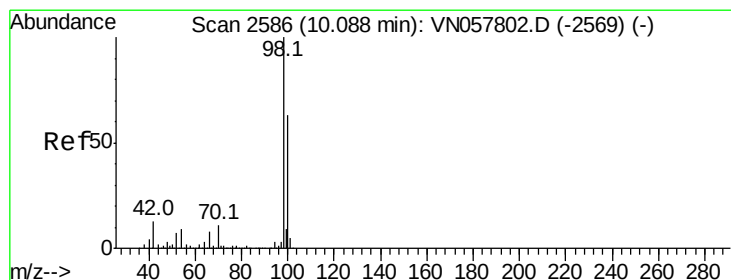
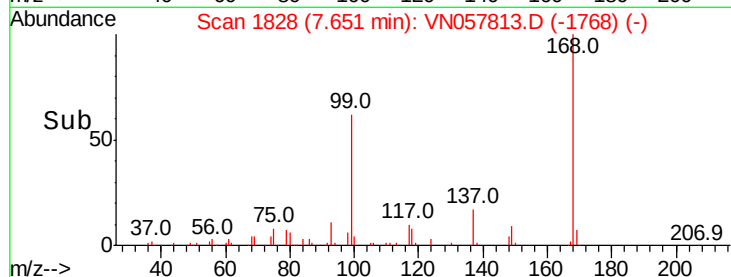
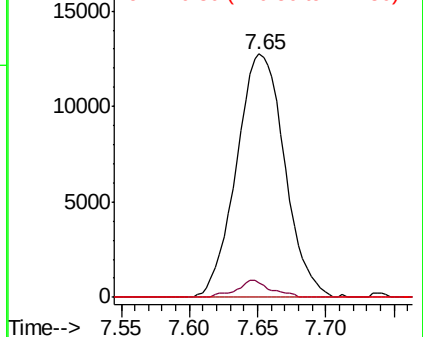
121 0.0 23.4 35.2#



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



#50

Toluene-d8

Concen: 50.652 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057813.D

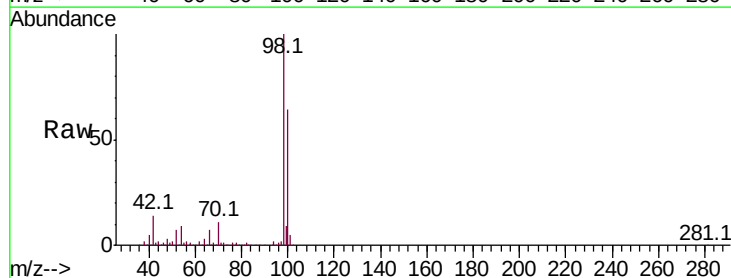
Acq: 9 Sep 2019 20:13

Tgt Ion: 98 Resp: 904305

Ion Ratio Lower Upper

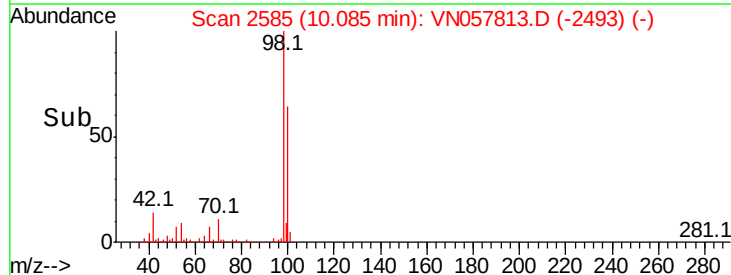
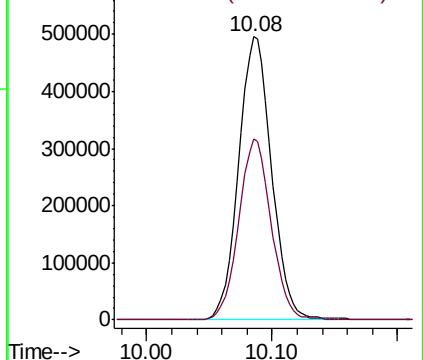
98 100

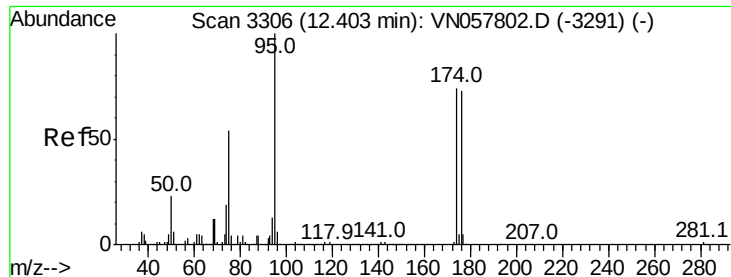
100 63.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 41.680 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

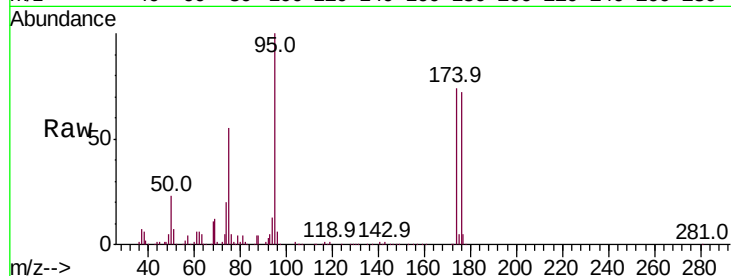
Tot Ion: 95 Resp: 283576

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

176 73.3 0.0 146.0

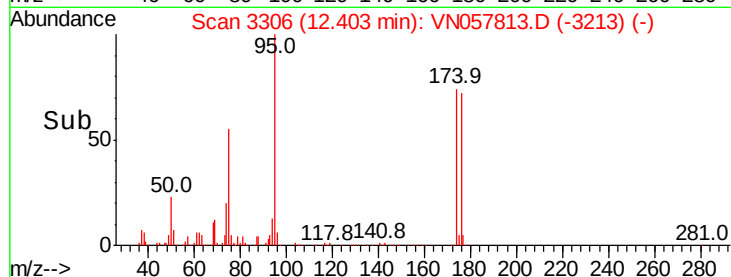


Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

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

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

Time--> 12.30 12.40 12.50

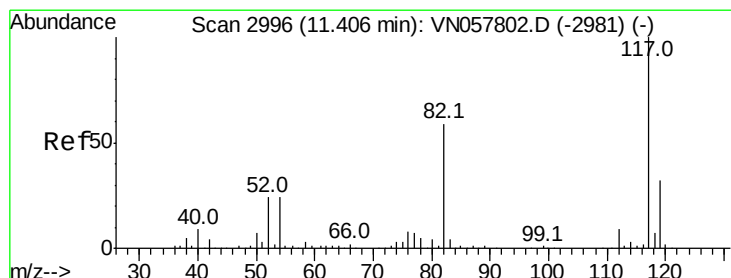


Abundance Ion 94.90 (94.60 to 95.60): VN057813.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN057813.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN057813.D (-3213) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

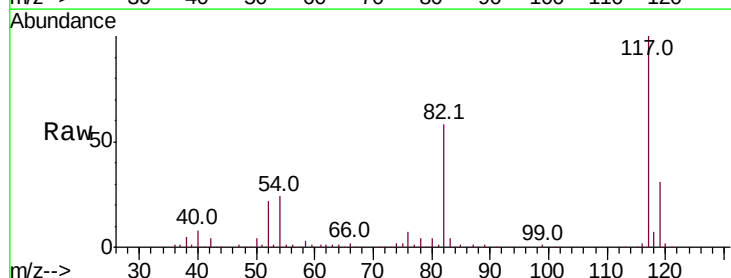
Tgt Ion: 117 Resp: 451373

Ion Ratio Lower Upper

117 100

82 57.7 47.2 70.8

119 31.4 25.3 37.9

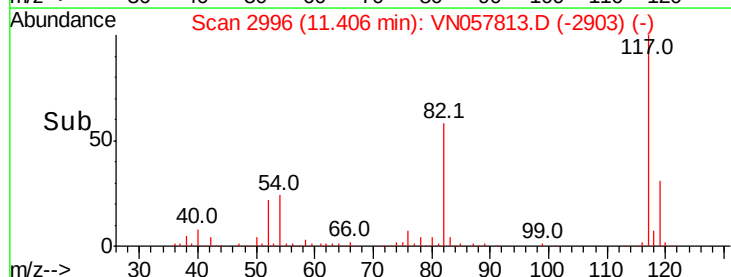


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

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

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

Time--> 11.30 11.40 11.50

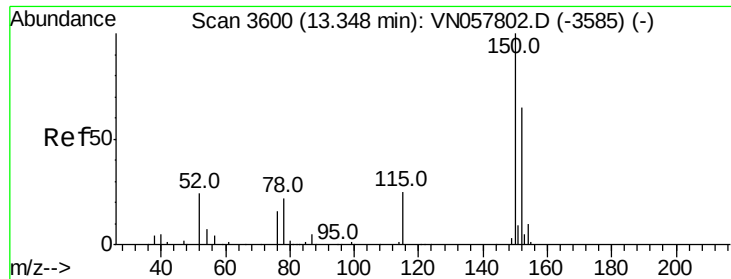


Abundance Ion 116.90 (116.60 to 117.60): VN057813.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN057813.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN057813.D (-2903) (-)

Time--> 11.30 11.40 11.50



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057813.D

Acq: 9 Sep 2019 20:13

Instrument :

MSVOA_N

ClientSampled :

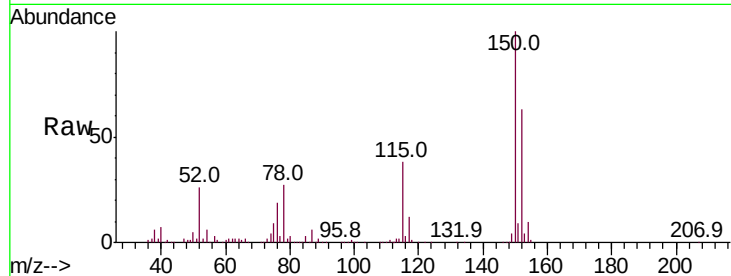
Tot Ion:152 Resp: 224171

Ion Ratio Lower Upper

152 100

115 60.8 30.3 91.0

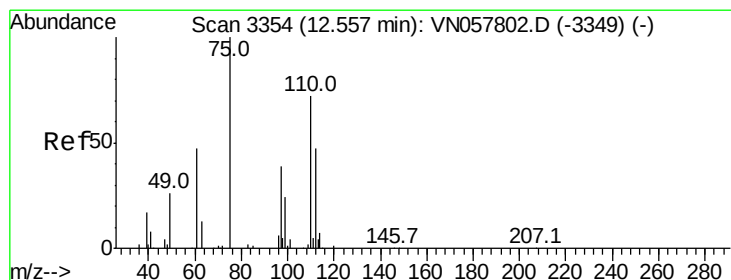
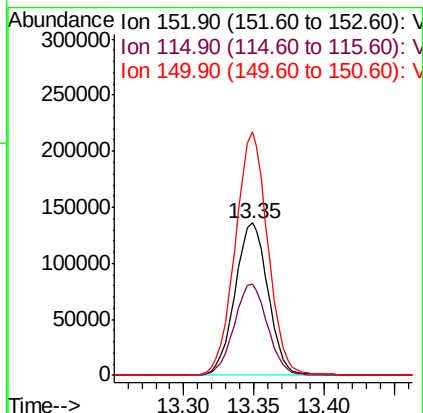
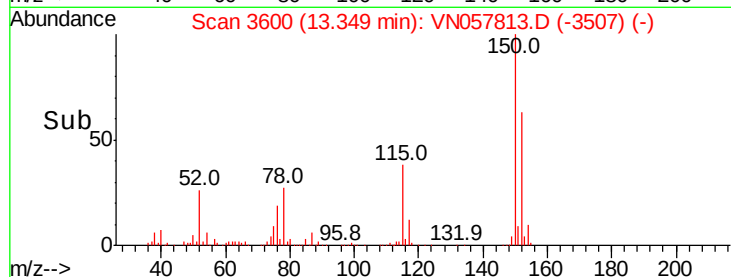
150 157.4 0.0 352.4



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: 30.920 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057813.D

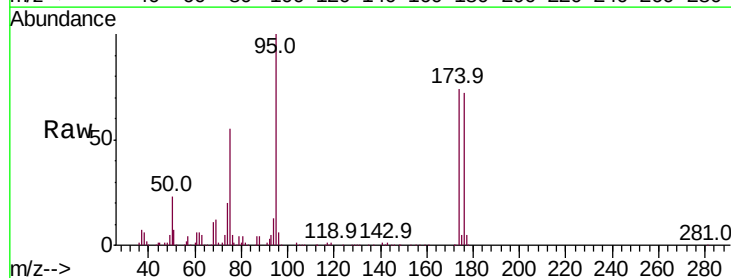
Acq: 9 Sep 2019 20:13

Tgt Ion: 75 Resp: 156798

Ion Ratio Lower Upper

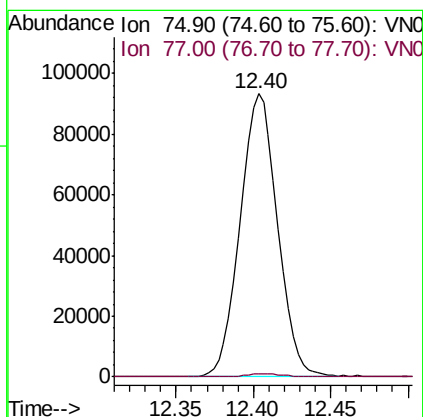
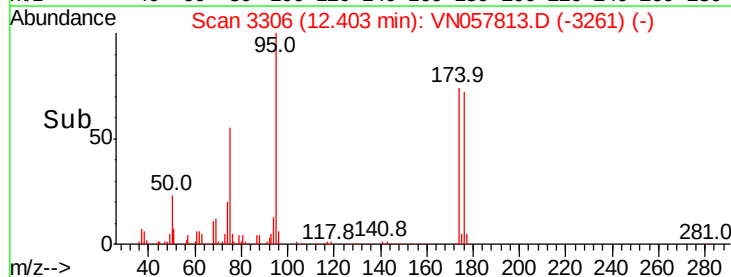
75 100

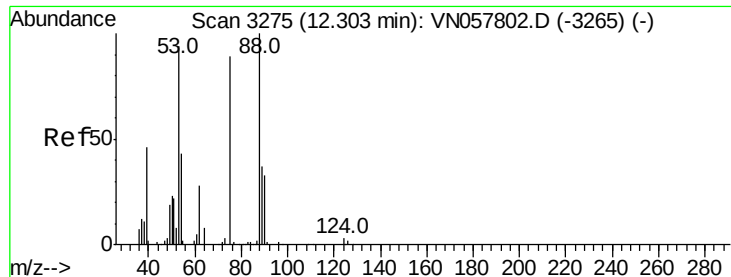
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

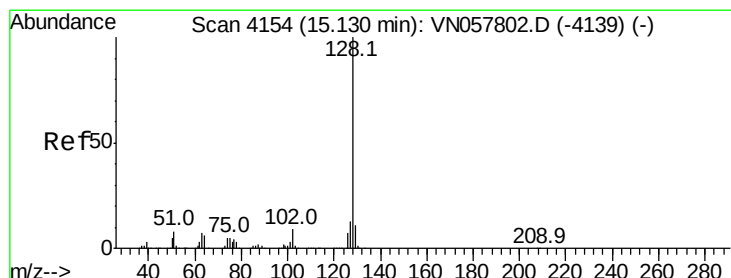
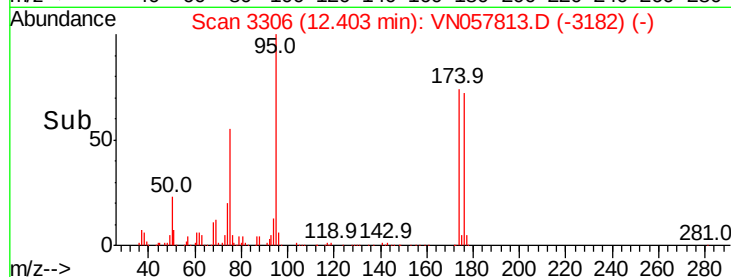
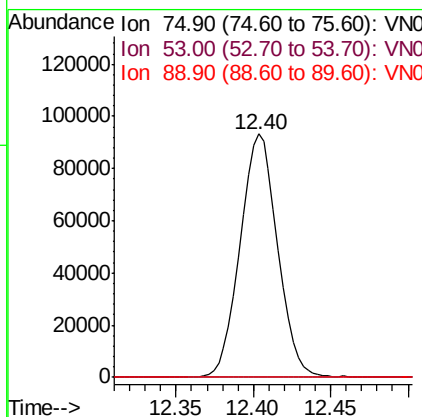
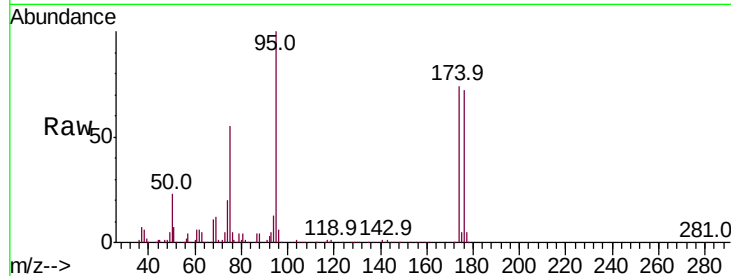




#81
trans-1,4-Dichloro-2-butene
Concen: 108.807 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN057813.D
Acq: 9 Sep 2019 20:13

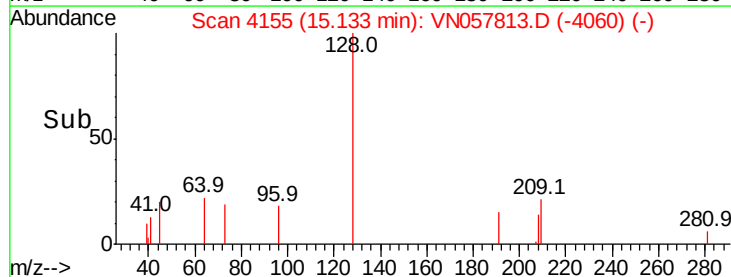
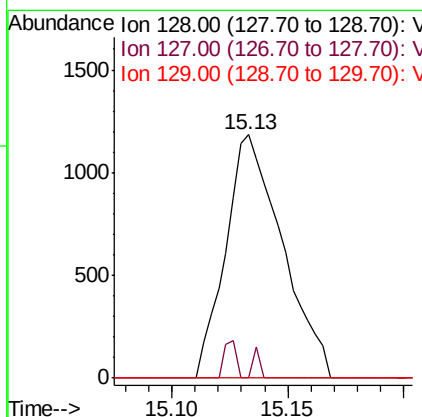
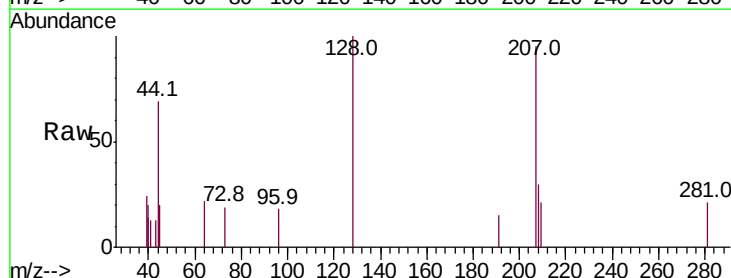
Instrument :
MSVOA_N
ClientSampleId :

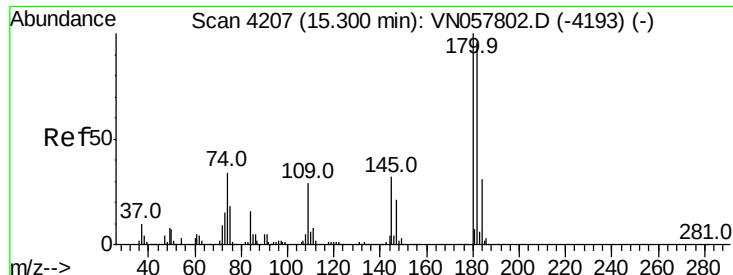
Tot Ion: 75 Resp: 156798
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057813.D
Acq: 9 Sep 2019 20:13

Tgt Ion: 128 Resp: 2005
Ion Ratio Lower Upper
128 100
127 1.4 10.3 15.5#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.102 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. -0.01 min
 Lab File: VN057813.D
 Acq: 9 Sep 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	23.2	48.3	144.8#
145	0.0	16.3	48.8#

