

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058547.D
 Acq On : 4 Oct 2019 17:37
 Operator : JC/SP
 Sample : K5169-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:40:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	423447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	682638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233691	50.00	ug/l	0.00

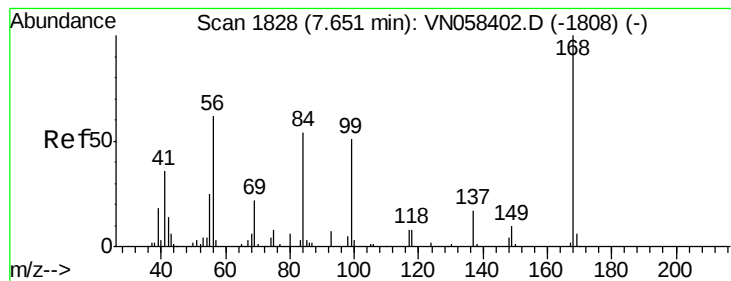
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	295497	47.75	ug/l	0.00
Spiked Amount						
			Recovery	=	95.50%	
35) Dibromofluoromethane	7.57	113	207246	49.54	ug/l	0.00
Spiked Amount						
			Recovery	=	99.08%	
50) Toluene-d8	10.09	98	902420	55.06	ug/l	0.00
Spiked Amount						
			Recovery	=	110.12%	
62) 4-Bromofluorobenzene	12.41	95	273496	46.15	ug/l	0.00
Spiked Amount						
			Recovery	=	92.30%	

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	3288	0.644	ug/l	98
11) Tert butyl alcohol	4.76	59	1149	1.671	ug/l #	71
16) Acetone	3.80	43	14158	6.712	ug/l #	87
17) Carbon Disulfide	4.03	76	4832	0.459	ug/l #	90
31) Cyclohexane	7.65	56	10226	1.194	ug/l #	26
36) 1,1-Dichloropropene	7.65	75	37519	5.748	ug/l #	51
38) Carbon Tetrachloride	7.65	117	42971	7.293	ug/l #	16
60) Dibromochloromethane	10.62	129	89	Below Cal	#	11
71) Bromoform	12.41	173	690	0.947	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	150121	35.170	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	150121	106.817	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

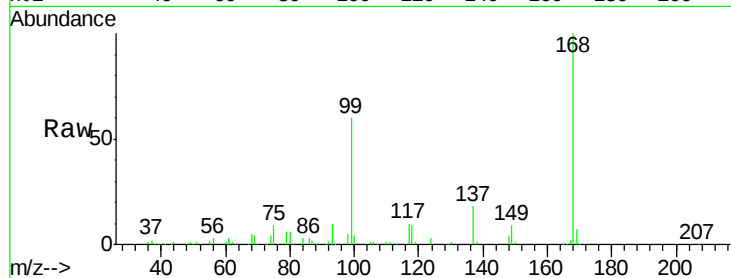
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 423447

Ion Ratio Lower Upper

168 100

99 60.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

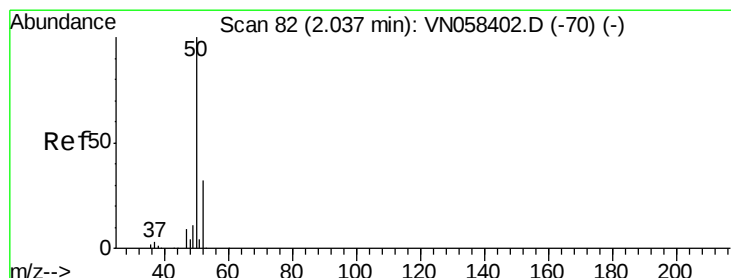
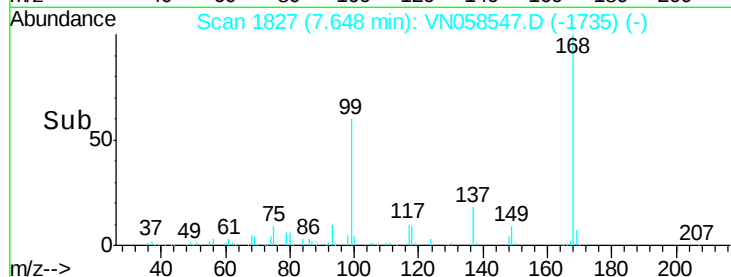
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.644 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058547.D

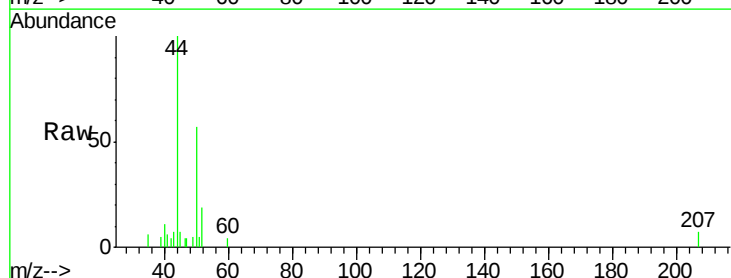
Acq: 4 Oct 2019 17:37

Tgt Ion: 50 Resp: 3288

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

2500

2000

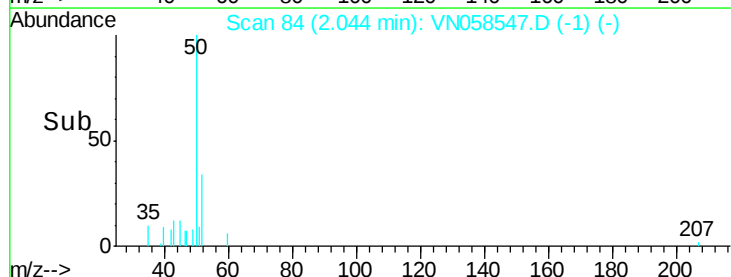
1500

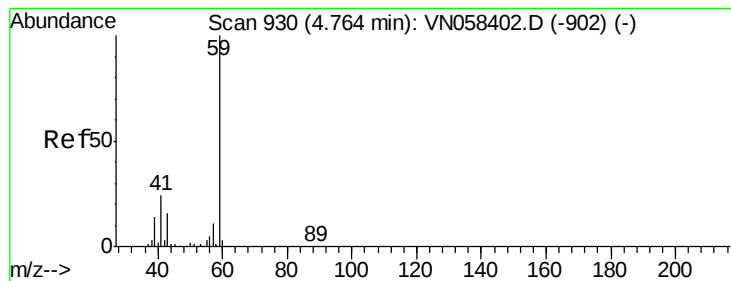
1000

500

0

Time--> 2.00 2.05



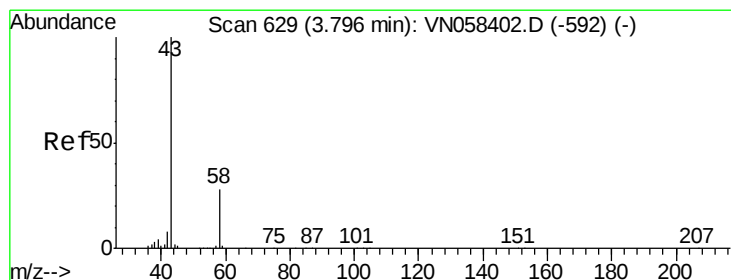
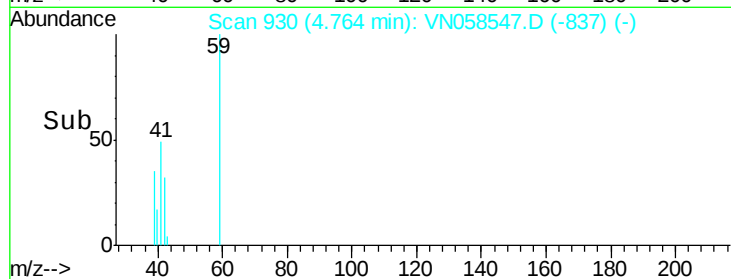
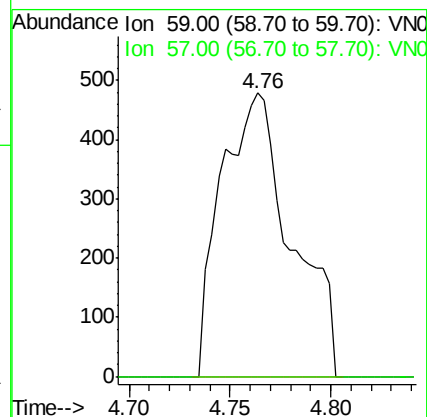
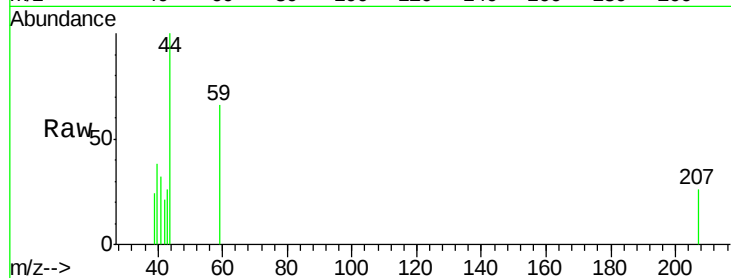


#11

Tert butyl alcohol
 Concen: 1.671 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN058547.D
 Acq: 4 Oct 2019 17:37

Instrument :
 MSVOA_N
 ClientSampled :

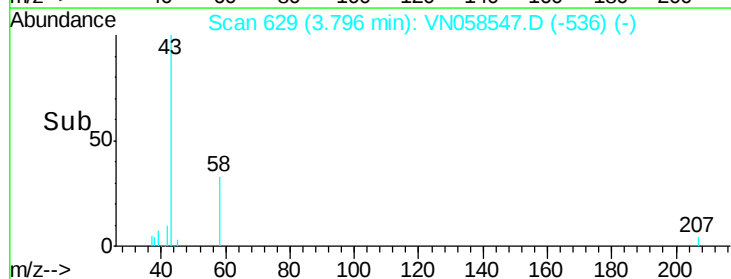
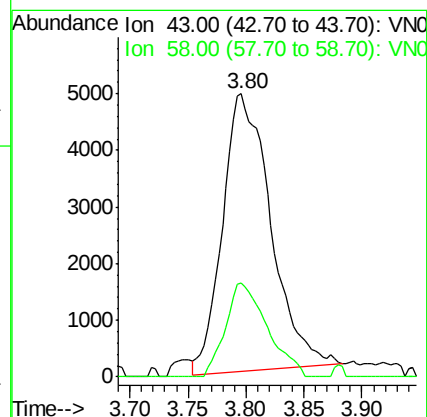
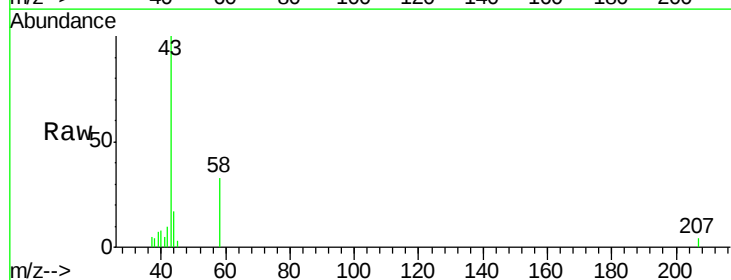
Tot Ion: 59 Resp: 1149
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

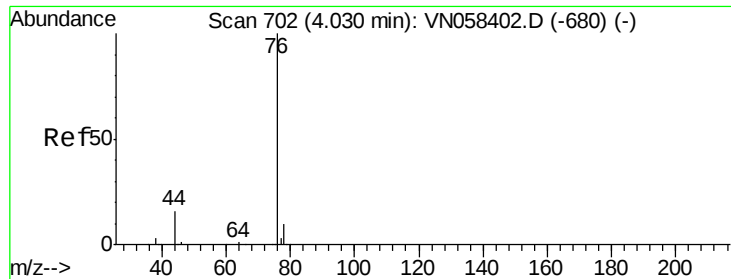


#16

Acetone
 Concen: 6.712 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN058547.D
 Acq: 4 Oct 2019 17:37

Tgt Ion: 43 Resp: 14158
 Ion Ratio Lower Upper
 43 100
 58 34.8 22.4 33.6#





#17

Carbon Disulfide

Concen: 0.459 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

Instrument :

MSVOA_N

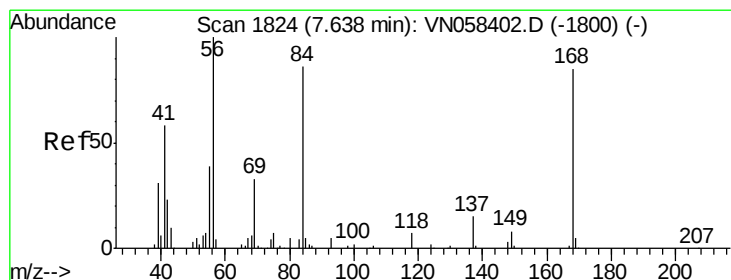
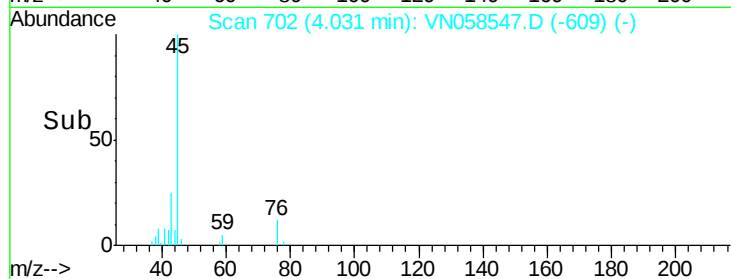
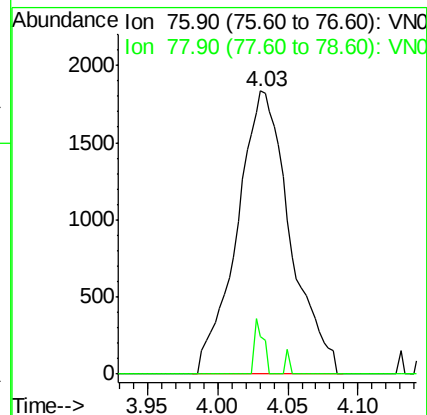
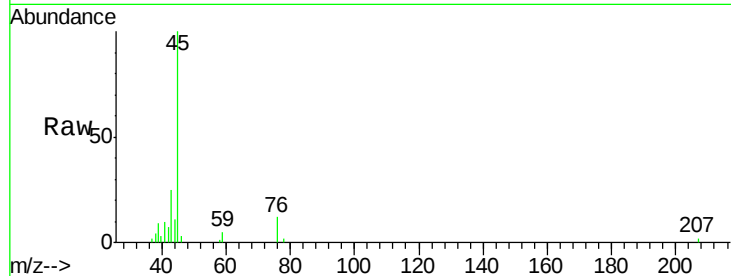
ClientSampleId :

Tot Ion: 76 Resp: 4832

Ion Ratio Lower Upper

76 100

78 13.3 7.7 11.5#



#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

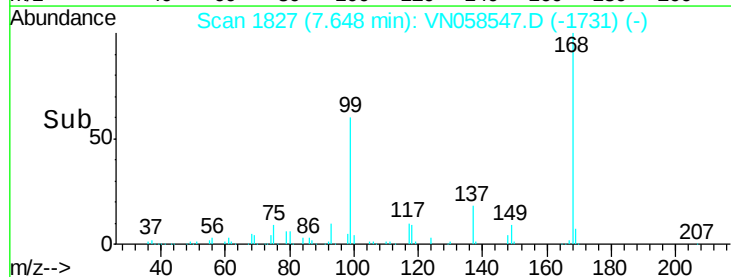
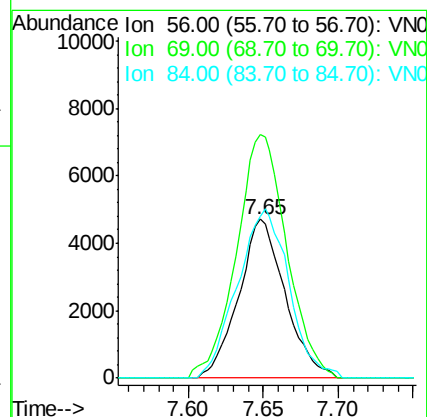
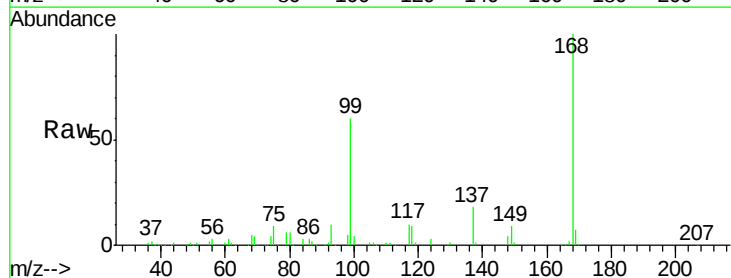
Tgt Ion: 56 Resp: 10226

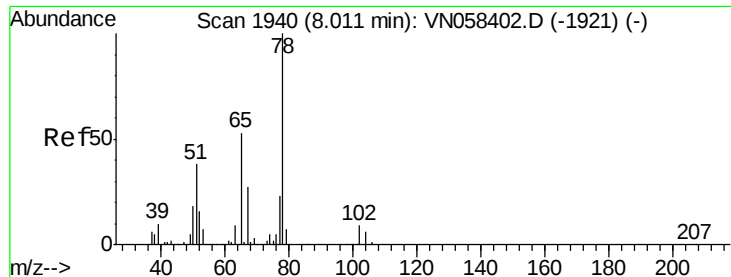
Ion Ratio Lower Upper

56 100

69 153.4 26.2 39.4#

84 102.2 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 47.753 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

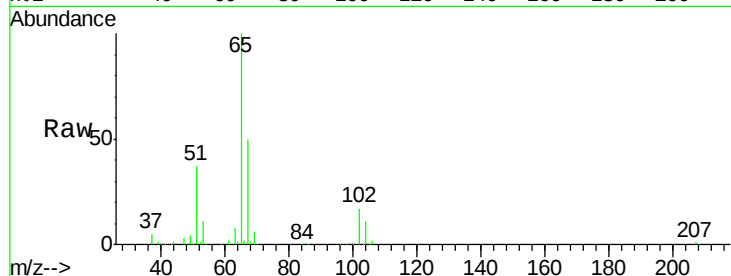
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 295497

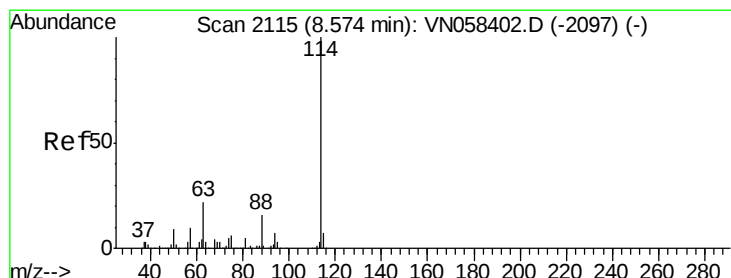
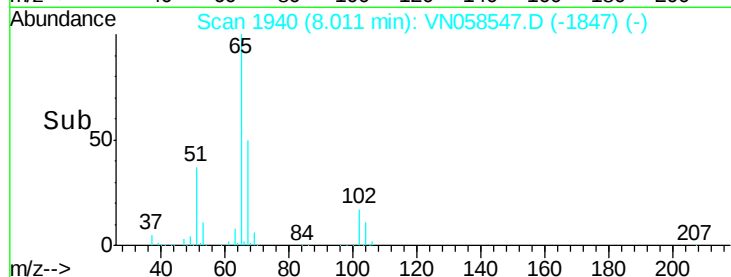
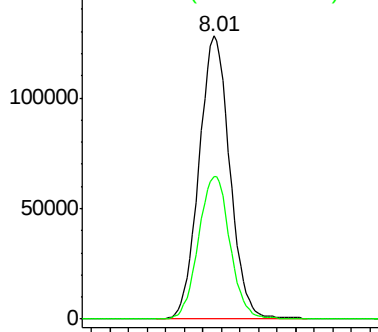
Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



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: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

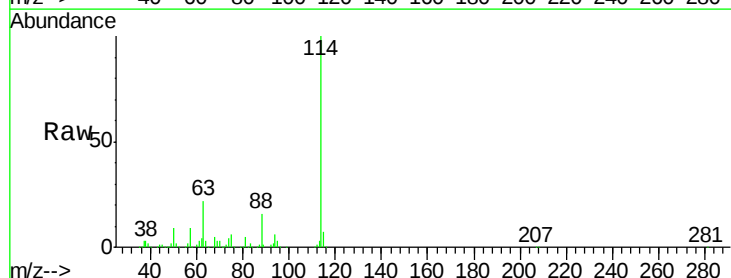
Tgt Ion: 114 Resp: 682638

Ion Ratio Lower Upper

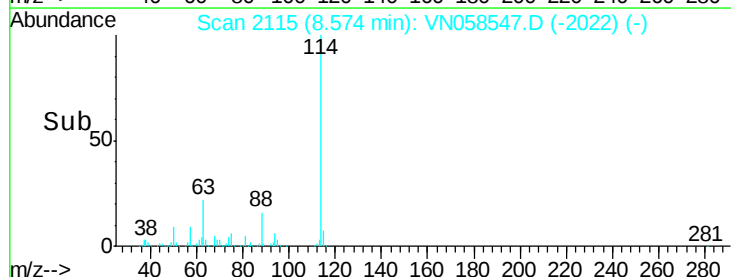
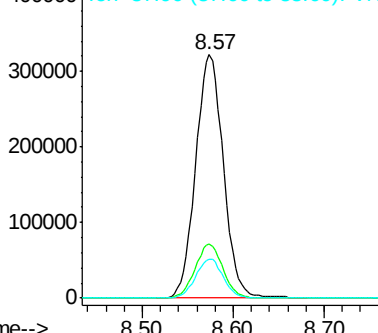
114 100

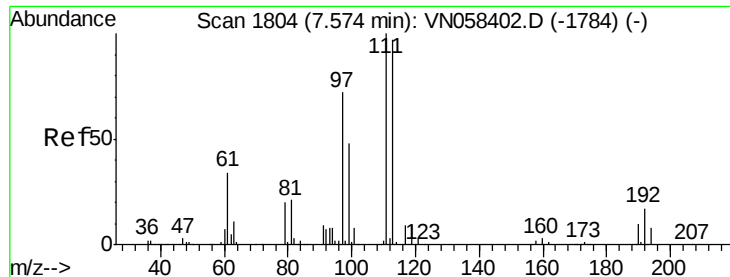
63 22.1 0.0 45.0

88 16.1 0.0 32.2



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

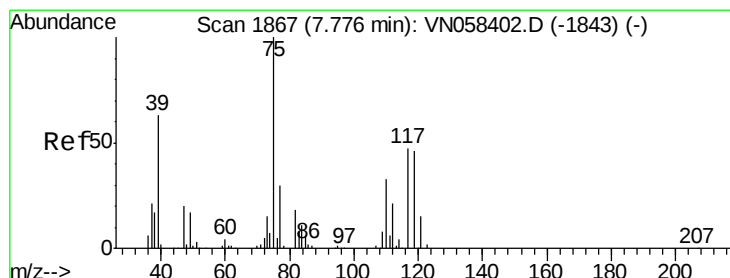
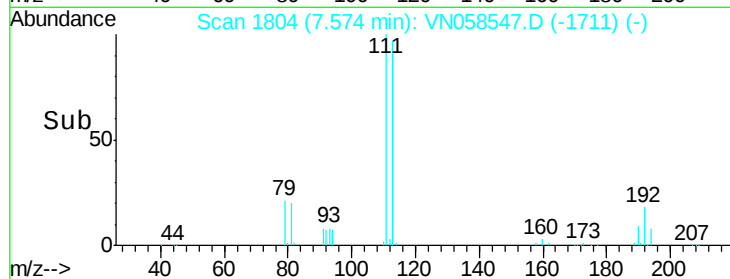
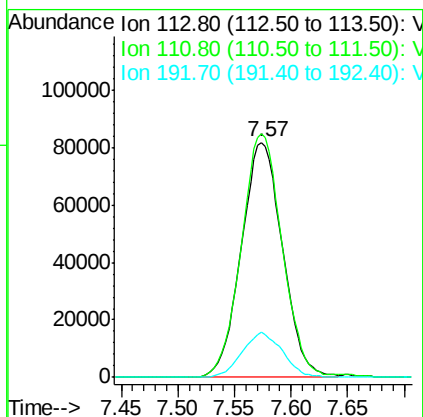
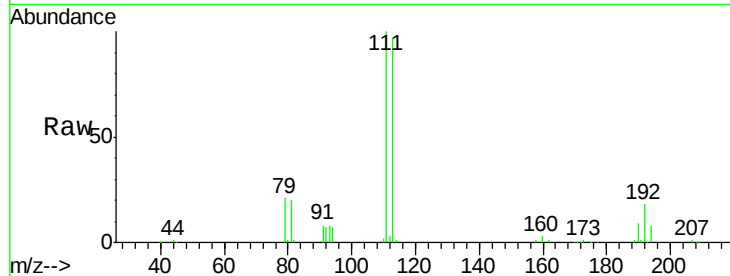




#35
 Dibromofluoromethane
 Concen: 49.535 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058547.D
 Acq: 4 Oct 2019 17:37

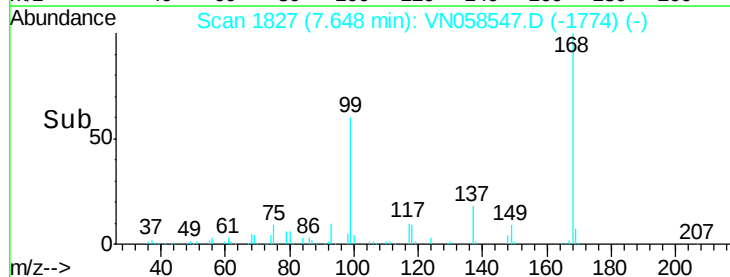
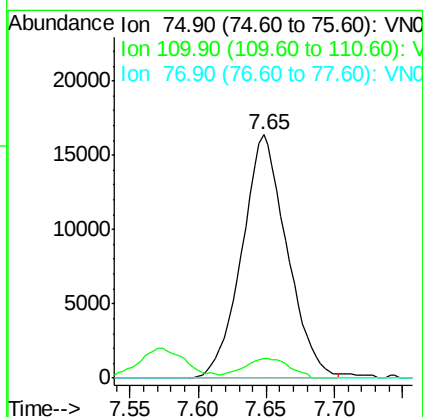
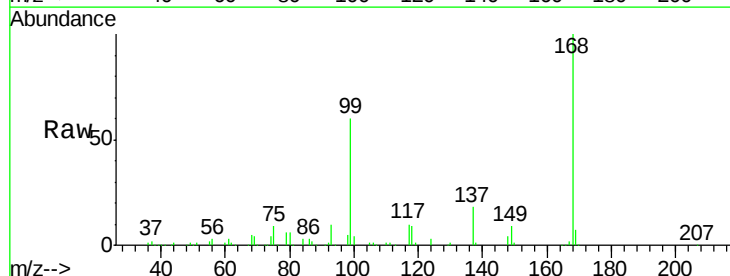
Instrument :
 MSVOA_N
 ClientSampled :

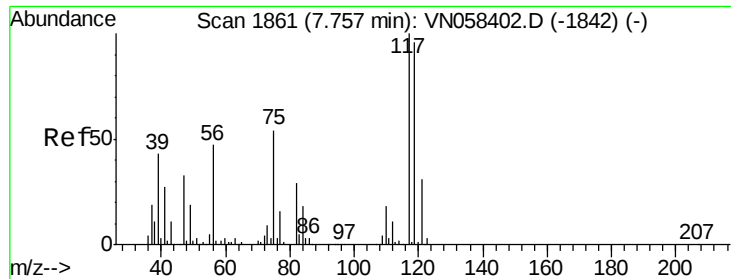
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.4	125.2
192	18.7	14.9	22.3



#36
 1,1-Dichloropropene
 Concen: 5.748 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058547.D
 Acq: 4 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.4	49.2#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 7.293 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

Instrument :

MSVOA_N

ClientSampleId :

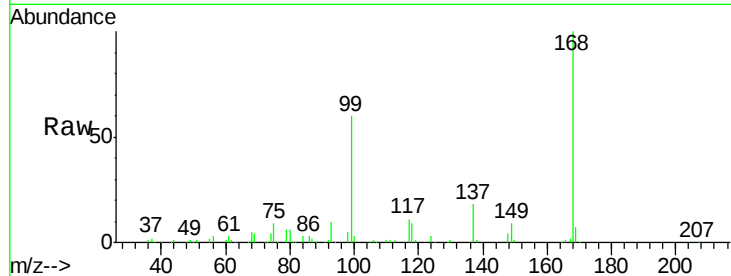
Tot Ion:117 Resp: 42971

Ion Ratio Lower Upper

117 100

119 5.5 76.6 115.0#

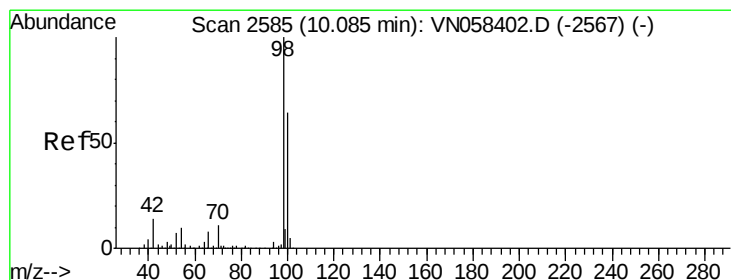
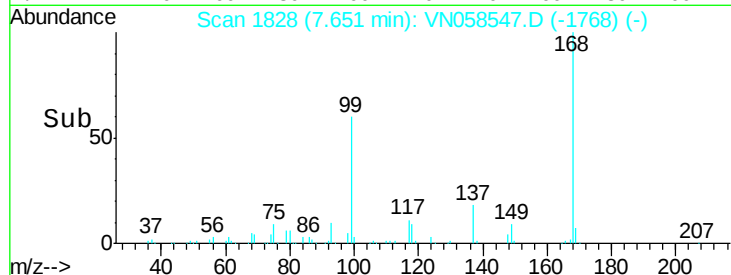
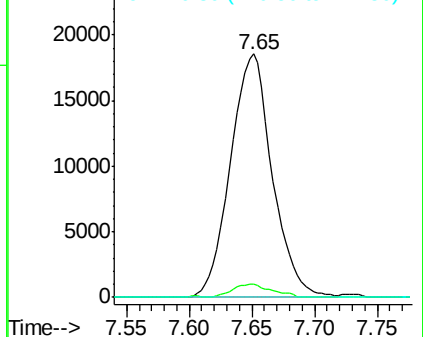
121 0.0 24.7 37.1#



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: 55.060 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058547.D

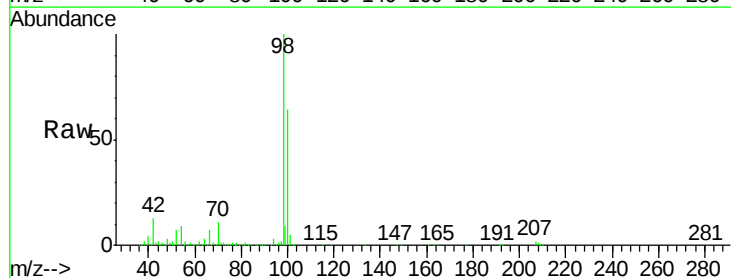
Acq: 4 Oct 2019 17:37

Tgt Ion: 98 Resp: 902420

Ion Ratio Lower Upper

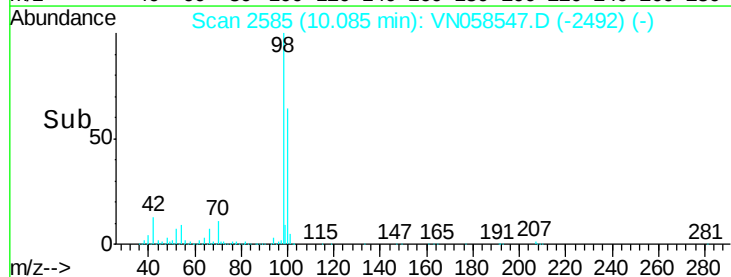
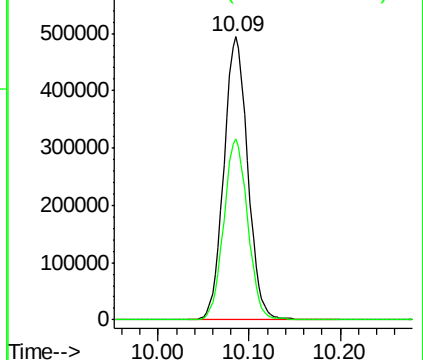
98 100

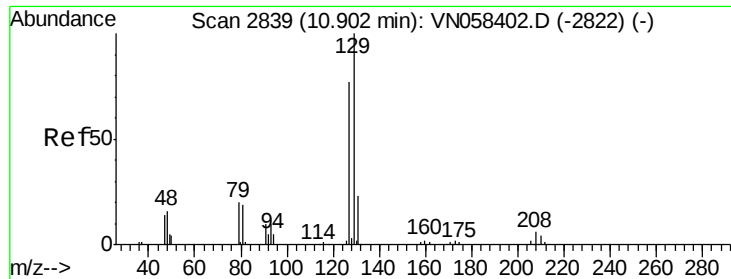
100 63.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.62 min Scan# 2751

Delta R.T. -0.28 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

Instrument :

MSVOA_N

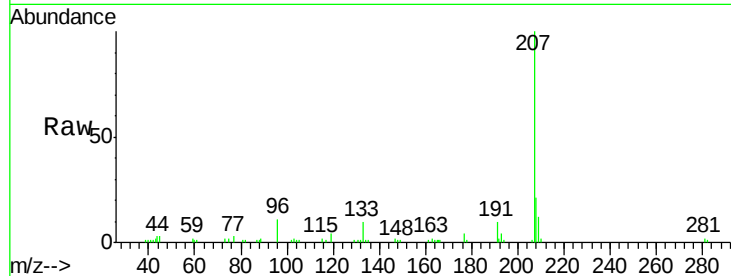
ClientSampleId :

Tot Ion:129 Resp: 89

Ion Ratio Lower Upper

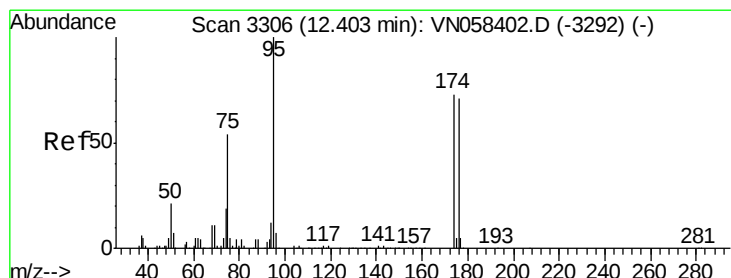
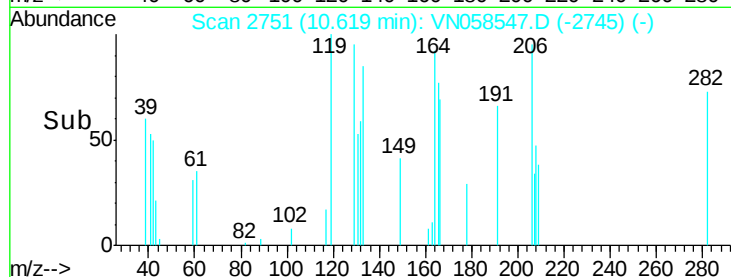
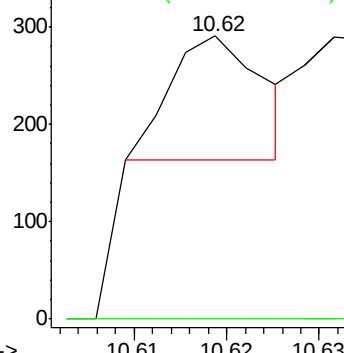
129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.150 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

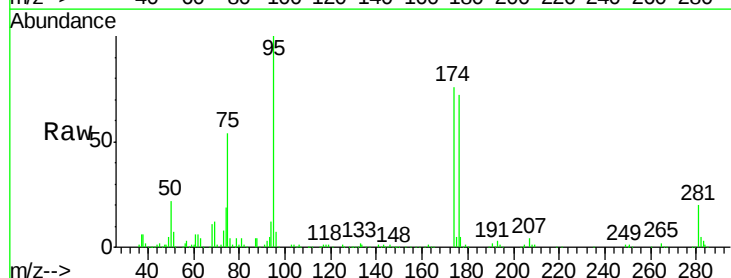
Tgt Ion: 95 Resp: 273496

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.6

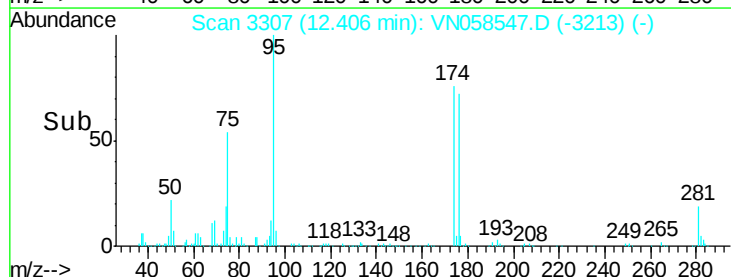
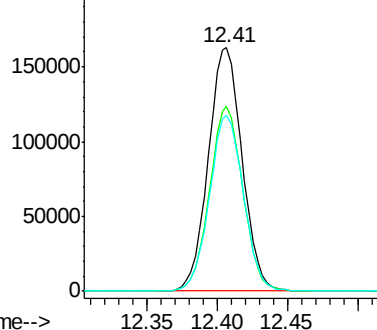
176 72.7 0.0 146.2

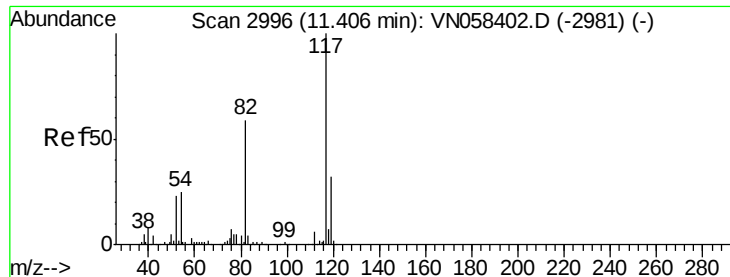


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

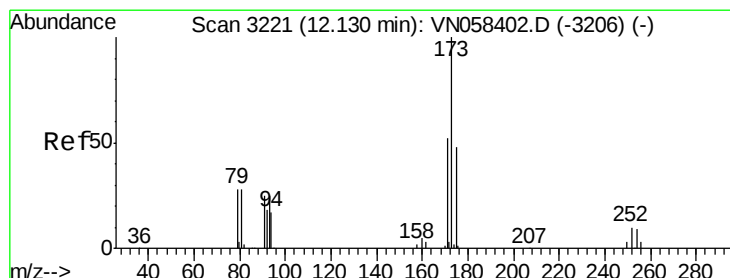
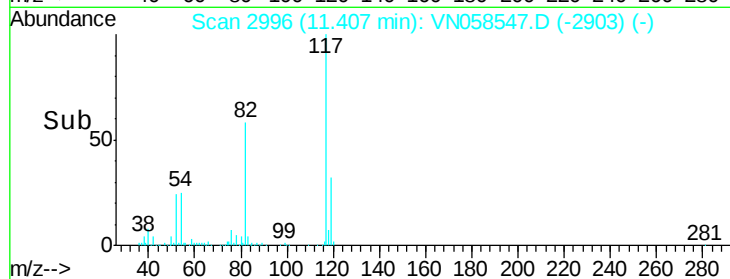
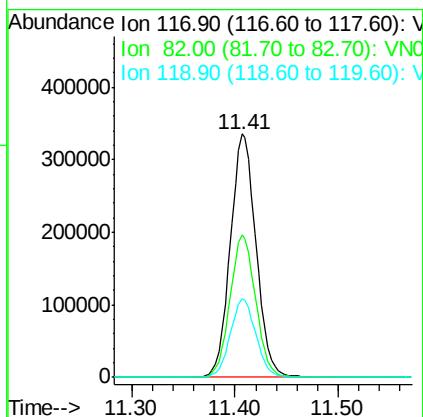
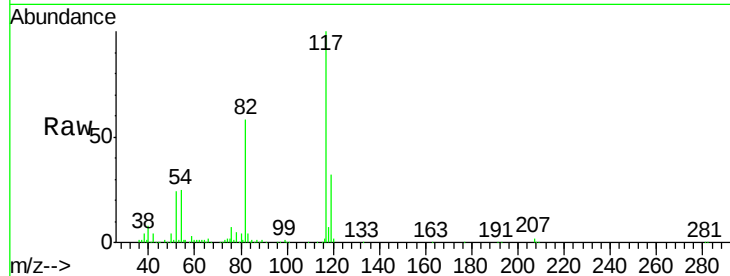




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058547.D
Acq: 4 Oct 2019 17:37

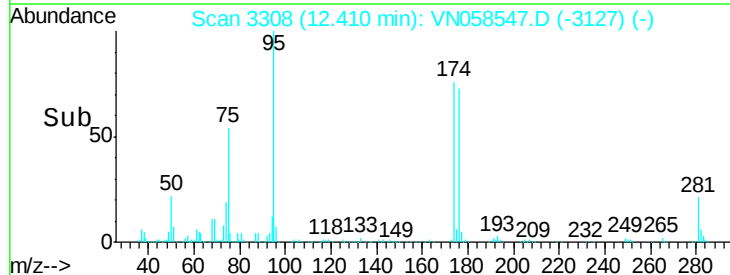
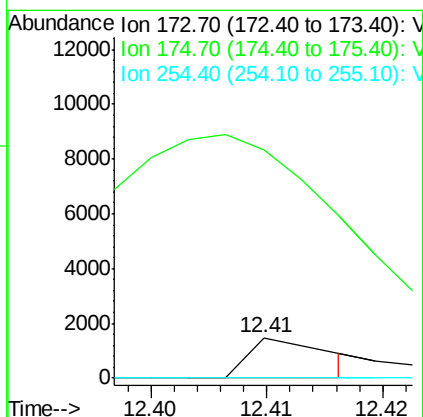
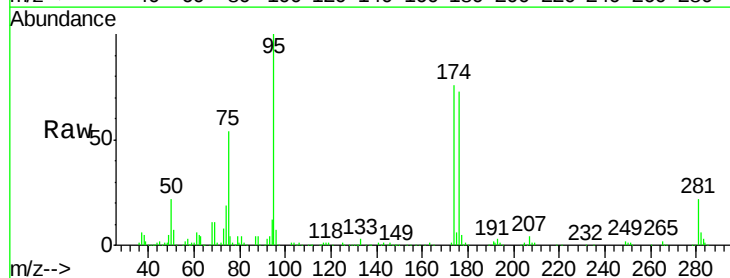
Instrument :
MSVOA_N
ClientSampled :

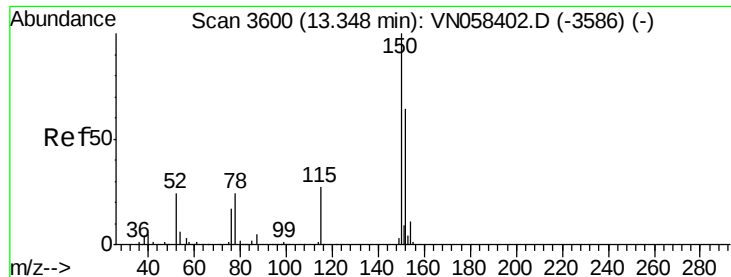
Tot Ion:117 Resp: 581687
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.0
119 32.3 25.5 38.3



#71
Bromoform
Concen: 0.947 ug/l
RT: 12.41 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN058547.D
Acq: 4 Oct 2019 17:37

Tgt Ion:173 Resp: 690
Ion Ratio Lower Upper
173 100
175 1890.1 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

Instrument :

MSVOA_N

ClientSampleId :

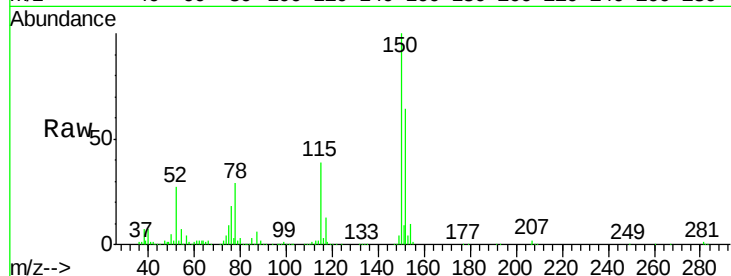
Tot Ion:152 Resp: 233691

Ion Ratio Lower Upper

152 100

115 60.8 30.0 90.0

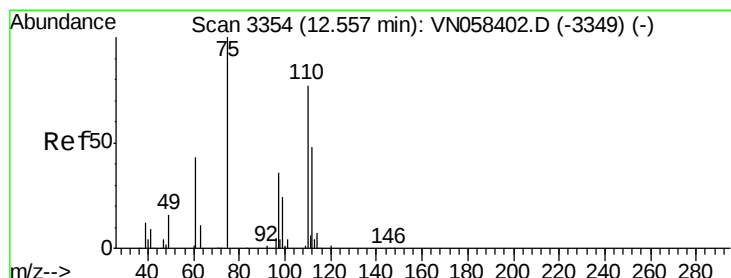
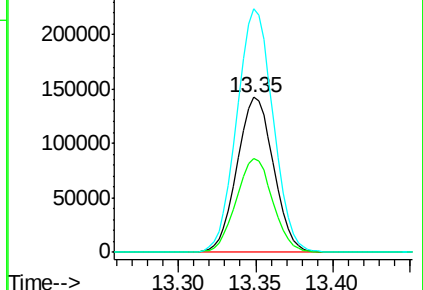
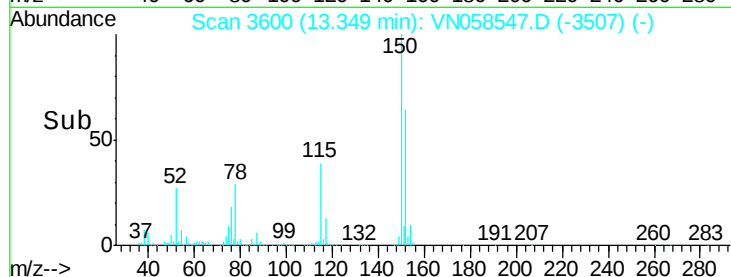
150 156.7 0.0 348.2



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: 35.170 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058547.D

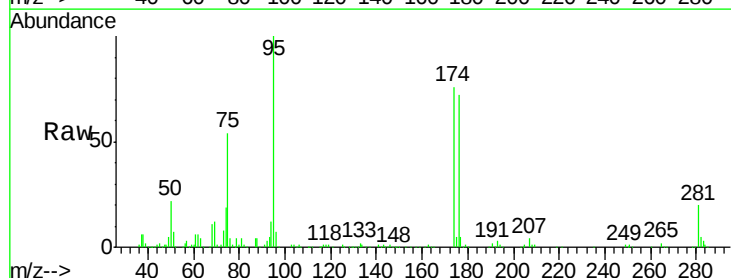
Acq: 4 Oct 2019 17:37

Tgt Ion: 75 Resp: 150121

Ion Ratio Lower Upper

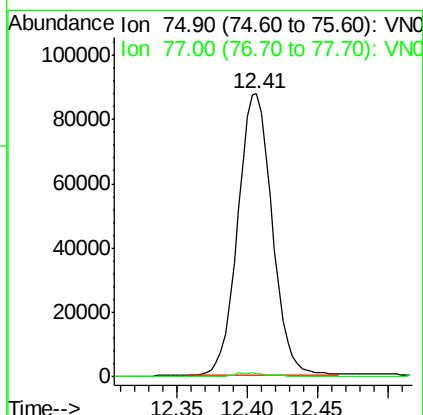
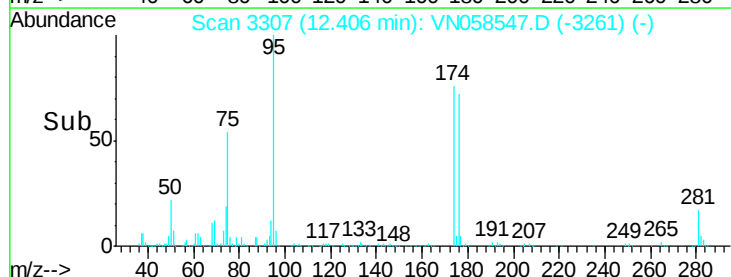
75 100

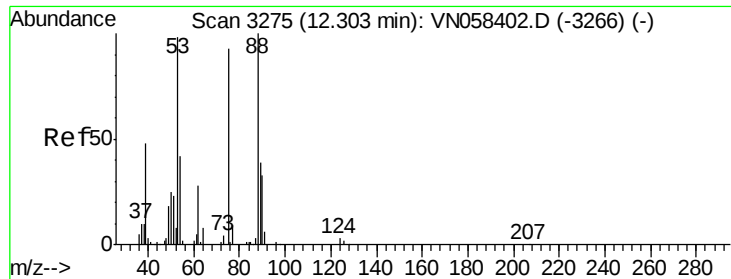
77 1.5 0.0 0.0#



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: 106.817 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058547.D

Acq: 4 Oct 2019 17:37

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 150121

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.3 35.0 52.4#

