

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058535.D
 Acq On : 4 Oct 2019 13:15
 Operator : JC/SP
 Sample : K5169-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:36:32 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	430325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	700403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249313	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	306871	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	7.57	113	211133	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.08	98	868129	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.41	95	291130	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	

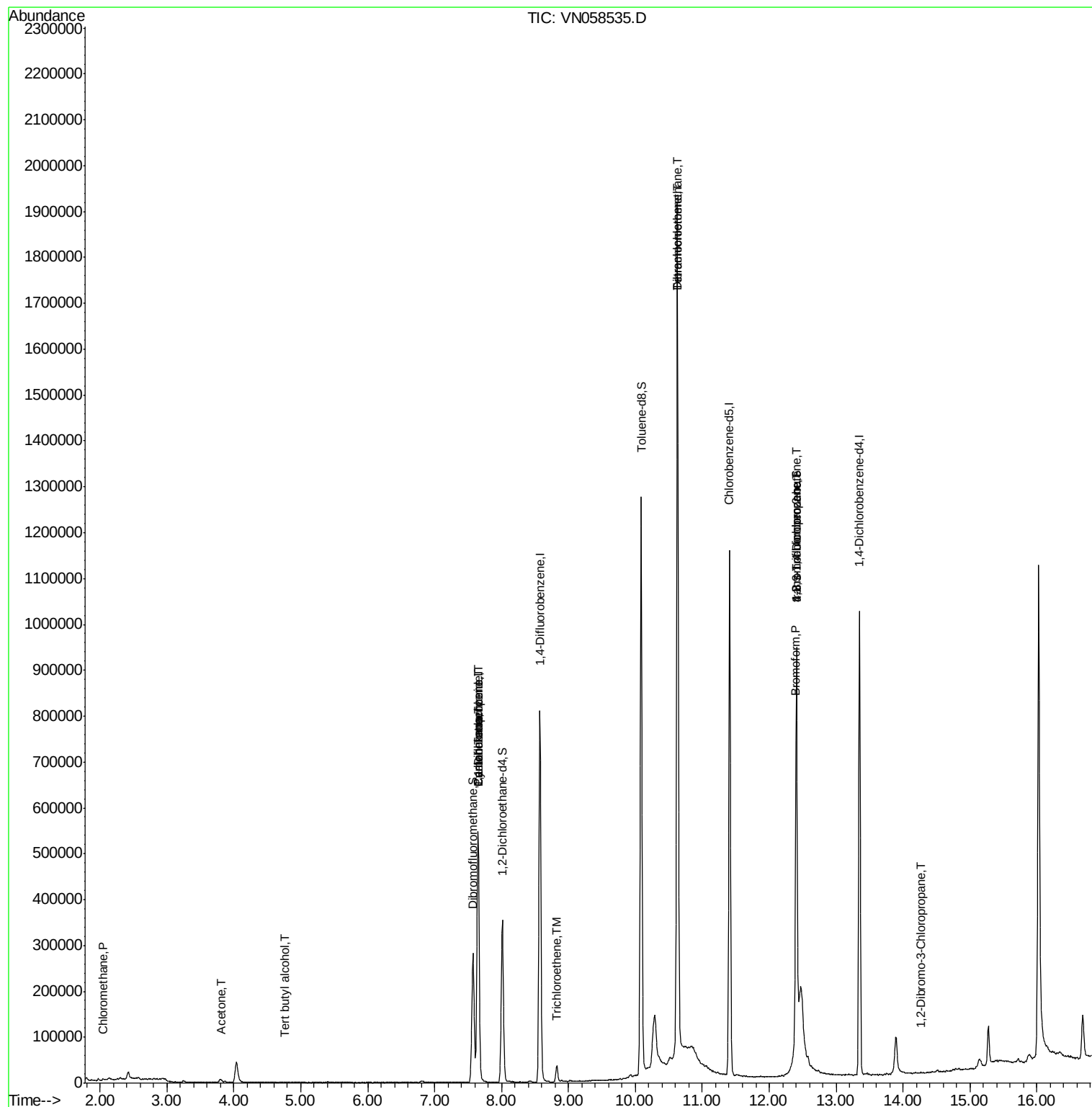
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1910	0.368	ug/l	93
11) Tert butyl alcohol	4.75	59	231	0.331	ug/l	94
16) Acetone	3.80	43	13290	6.200	ug/l	98
31) Cyclohexane	7.65	56	10355	1.190	ug/l #	12
36) 1,1-Dichloropropene	7.65	75	36134	5.395	ug/l #	51
38) Carbon Tetrachloride	7.65	117	43668	7.224	ug/l #	16
44) Trichloroethene	8.82	130	13221	2.781	ug/l	90
60) Dibromochloromethane	10.63	129	372206	81.818	ug/l #	11
64) Tetrachloroethene	10.63	164	398086	101.197	ug/l	98
71) Bromoform	12.39	173	73	0.720	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	158420	34.789	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	158420	105.659	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.27	75	415	0.432	ug/l #	5

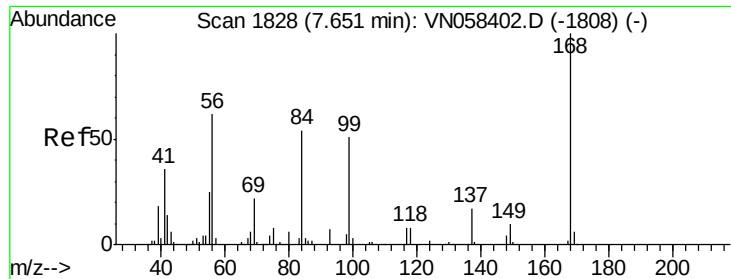
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058535.D

Acq: 4 Oct 2019 13:15

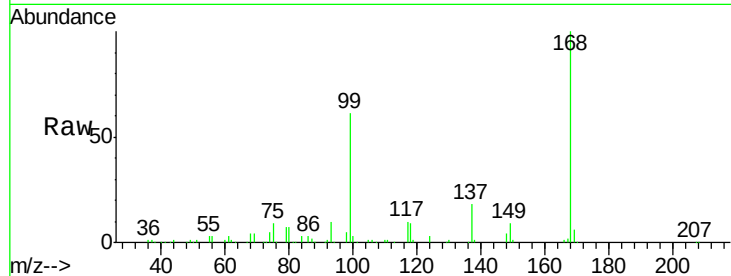
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 430325

Ion Ratio Lower Upper

168 100

99 60.7 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

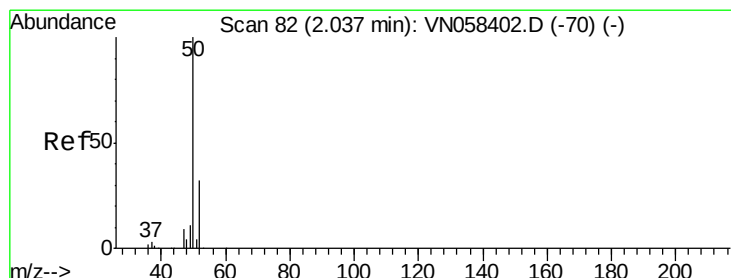
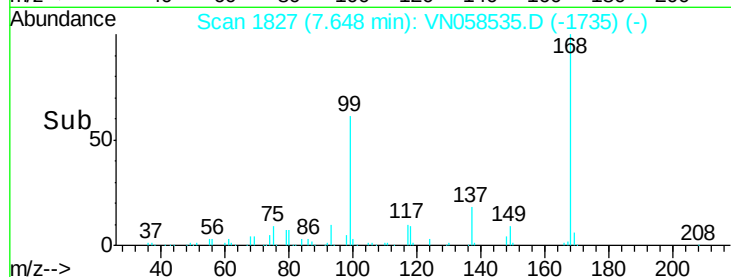
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.368 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058535.D

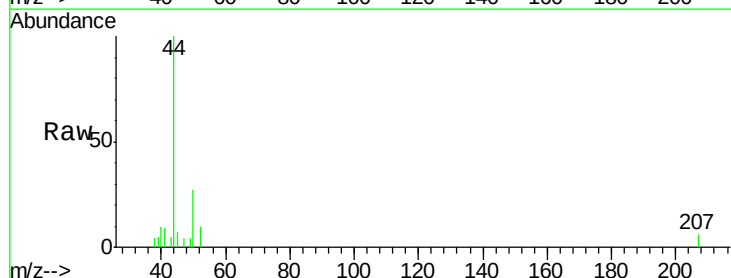
Acq: 4 Oct 2019 13:15

Tgt Ion: 50 Resp: 1910

Ion Ratio Lower Upper

50 100

52 36.5 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

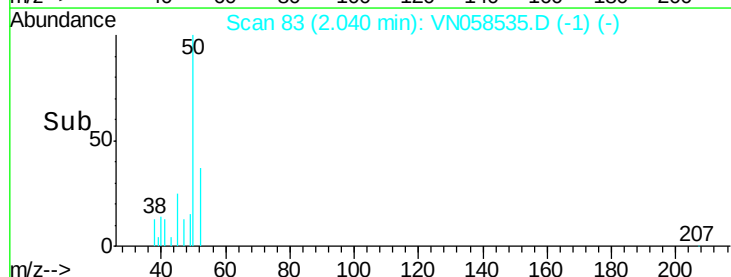
1500

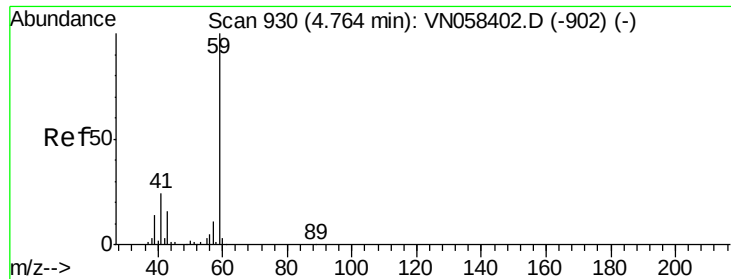
1000

500

0

Time-->

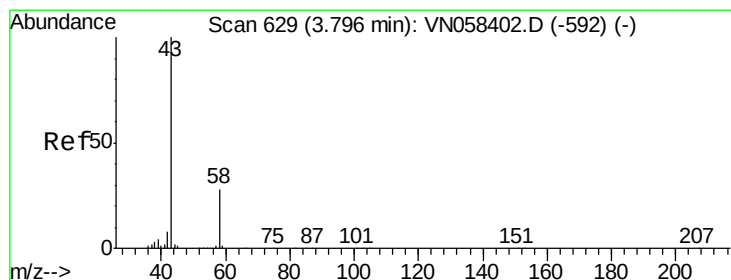
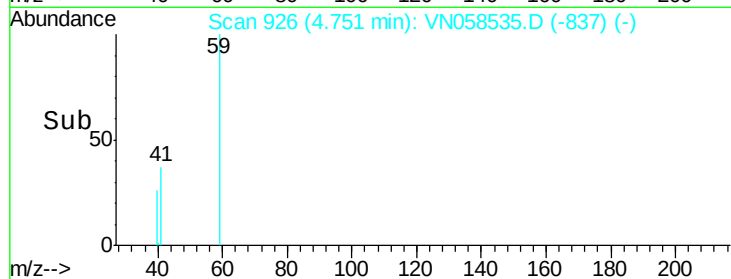
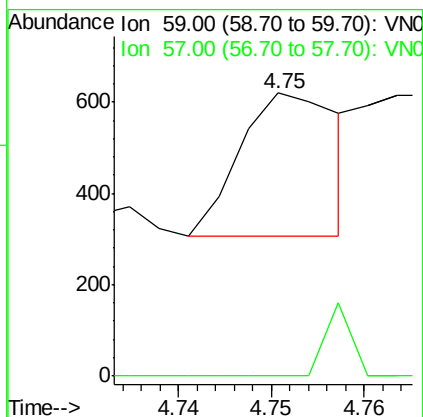
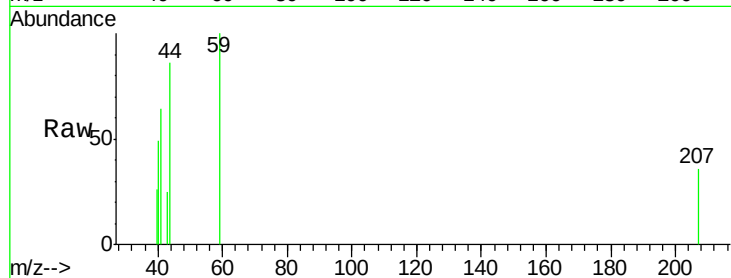




#11
Tert butyl alcohol
Concen: 0.331 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.01 min
Lab File: VN058535.D
Acq: 4 Oct 2019 13:15

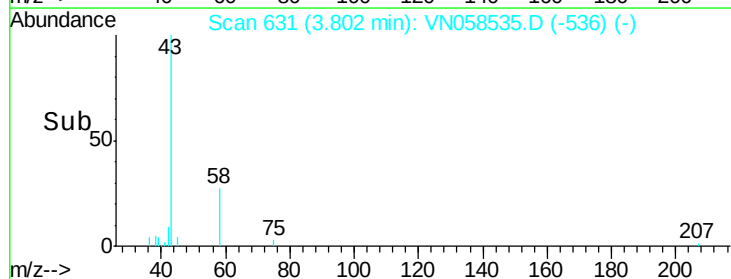
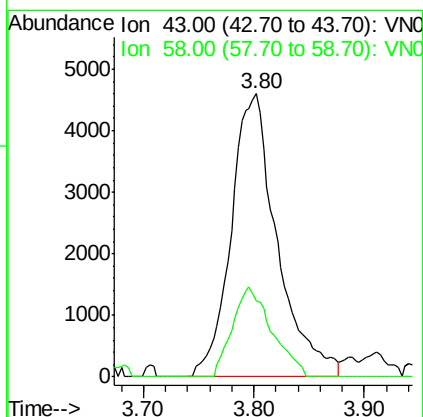
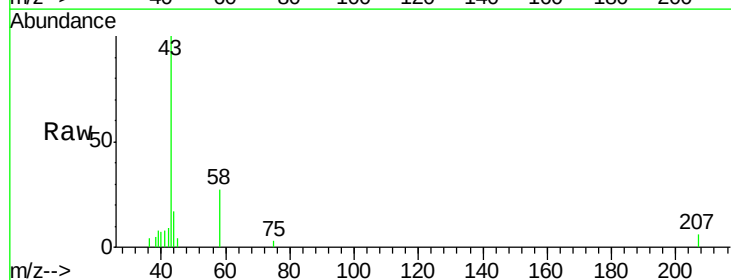
Instrument :
MSVOA_N
ClientSampled :

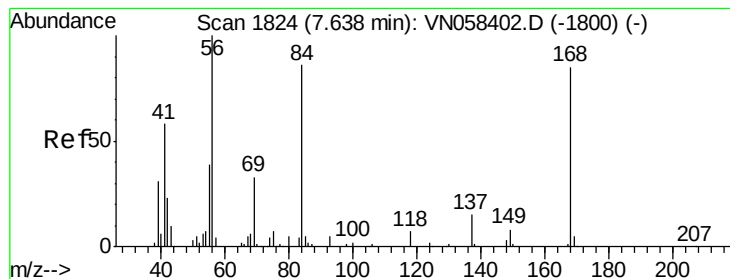
Tot Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 13.4 9.0 13.4



#16
Acetone
Concen: 6.200 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058535.D
Acq: 4 Oct 2019 13:15

Tgt Ion: 43 Resp: 13290
Ion Ratio Lower Upper
43 100
58 27.0 22.4 33.6





#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058535.D

Acq: 4 Oct 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

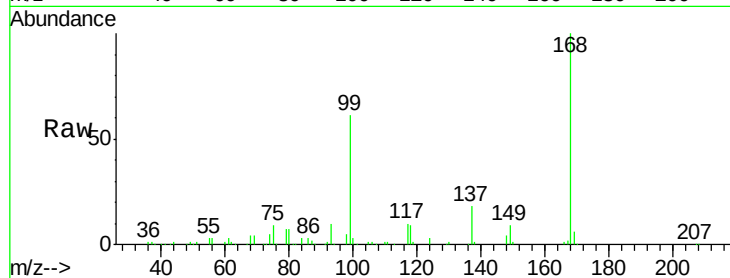
Tot Ion: 56 Resp: 10355

Ion Ratio Lower Upper

56 100

69 156.0 26.2 39.4#

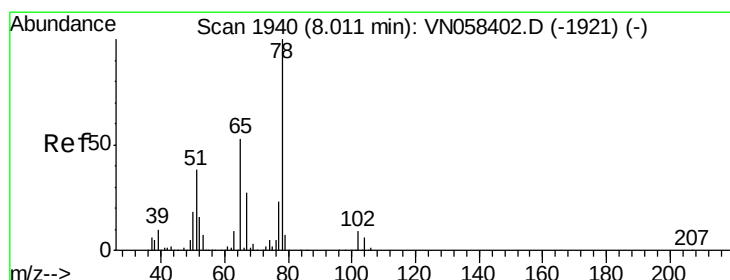
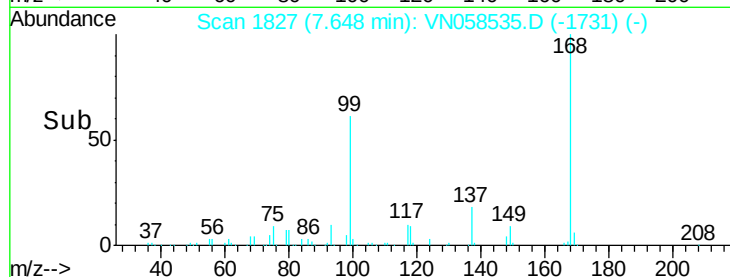
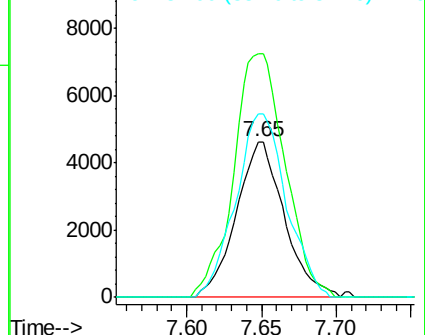
84 118.0 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.799 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058535.D

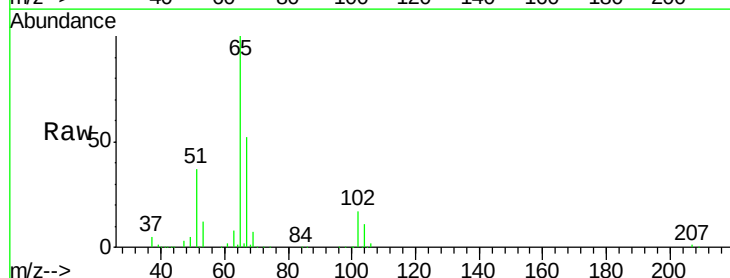
Acq: 4 Oct 2019 13:15

Tgt Ion: 65 Resp: 306871

Ion Ratio Lower Upper

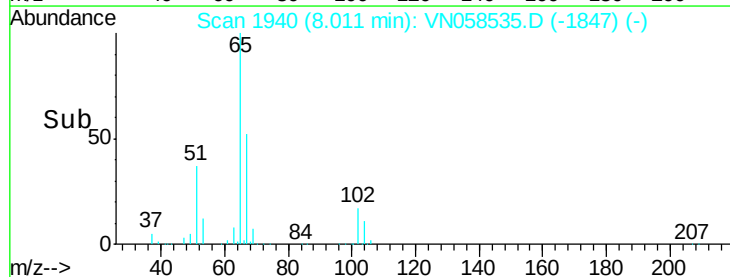
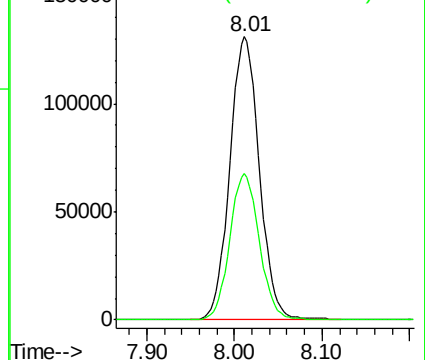
65 100

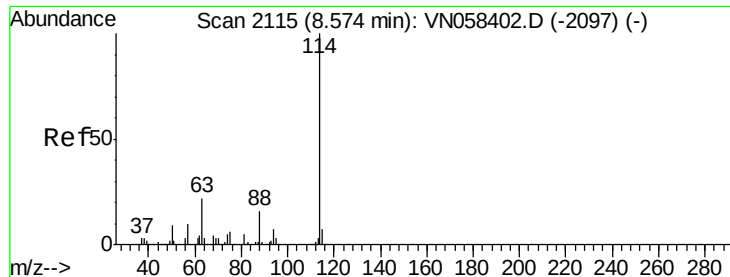
67 51.7 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

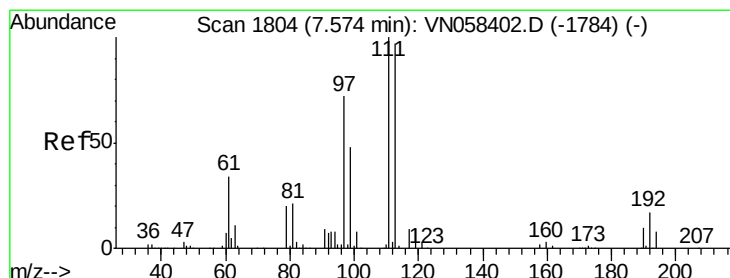
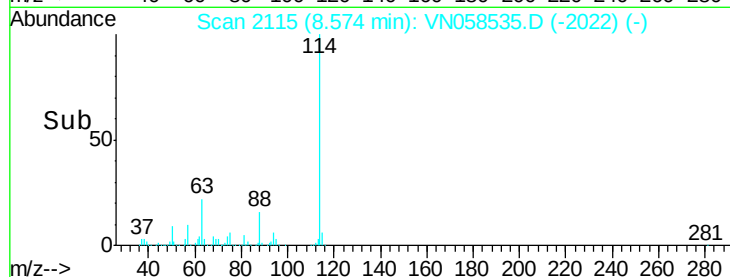
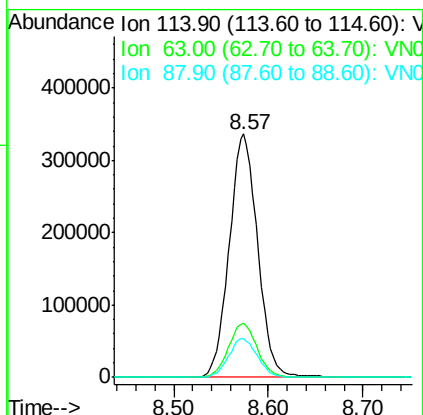
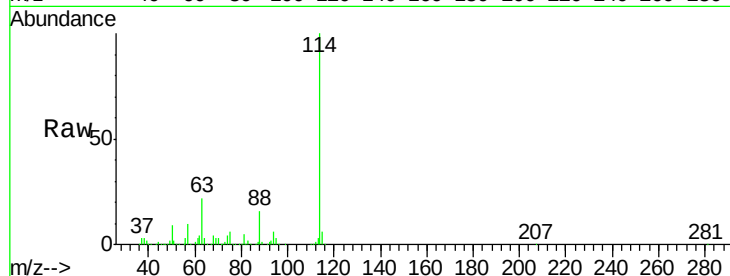




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN058535.D
Acq: 4 Oct 2019 13:15

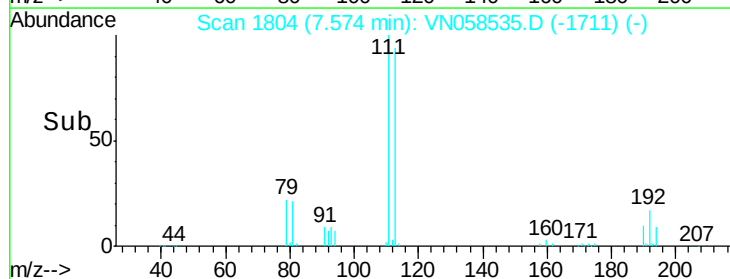
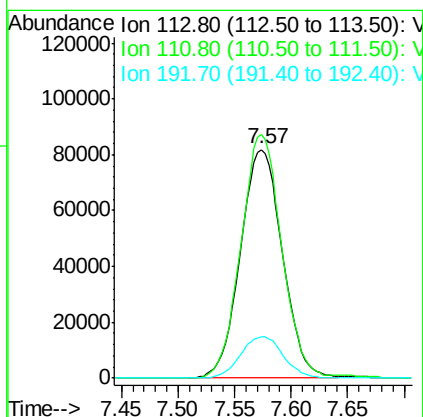
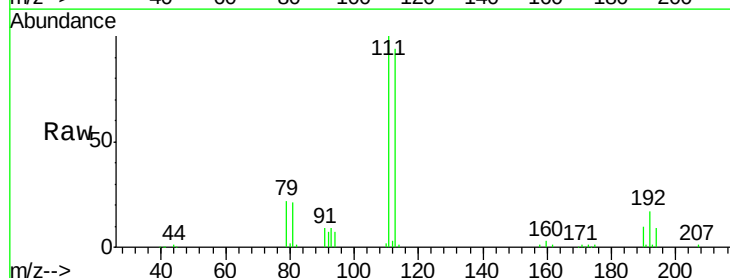
Instrument :
MSVOA_N
ClientSampleId :

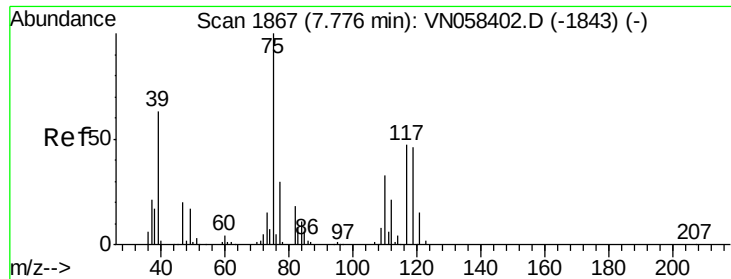
Tot Ion:114 Resp: 700403
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.0
88 15.8 0.0 32.2



#35
Dibromofluoromethane
Concen: 49.184 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058535.D
Acq: 4 Oct 2019 13:15

Tgt Ion:113 Resp: 211133
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.2
192 18.5 14.9 22.3

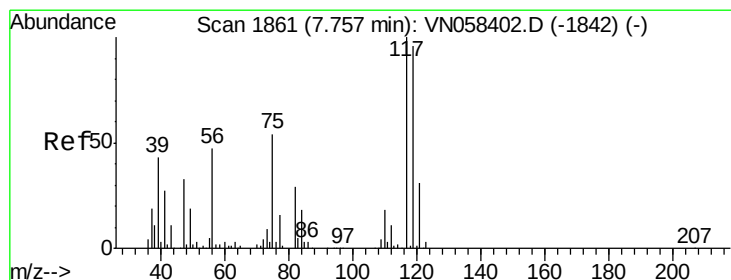
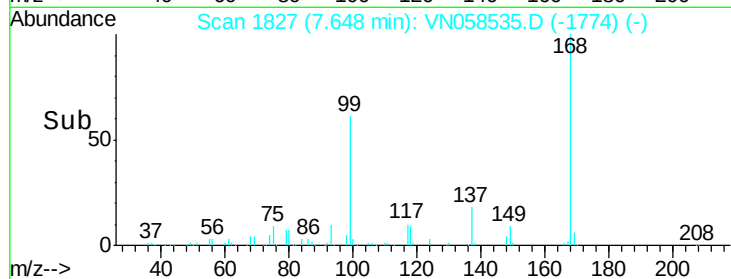
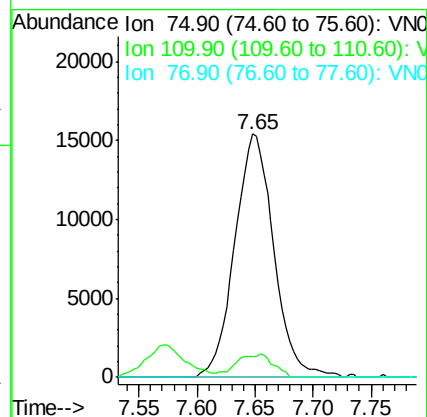
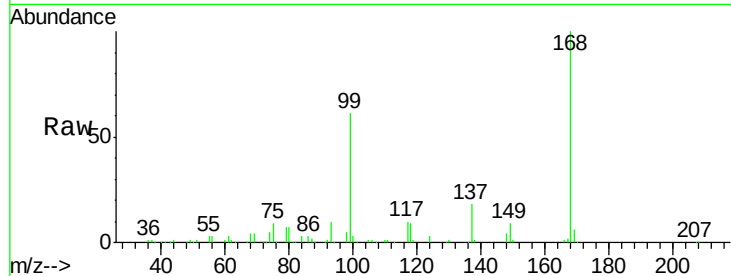




#36
 1,1-Dichloropropene
 Concen: 5.395 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058535.D
 Acq: 4 Oct 2019 13:15

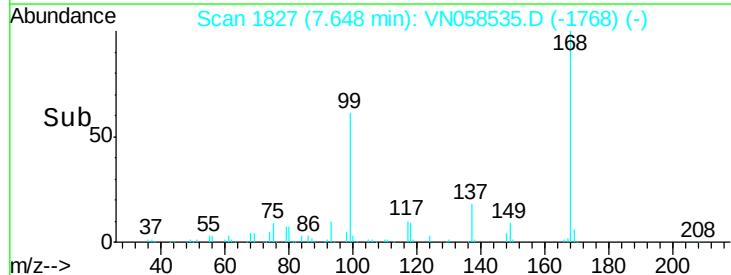
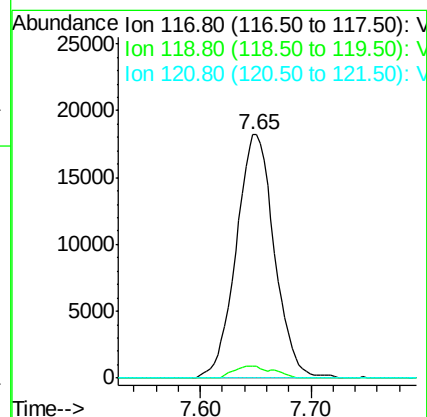
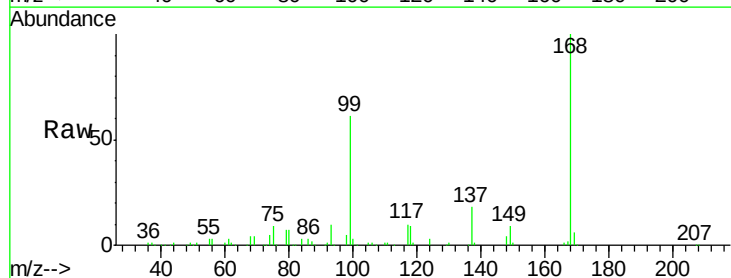
Instrument :
 MSVOA_N
 ClientSampleId :

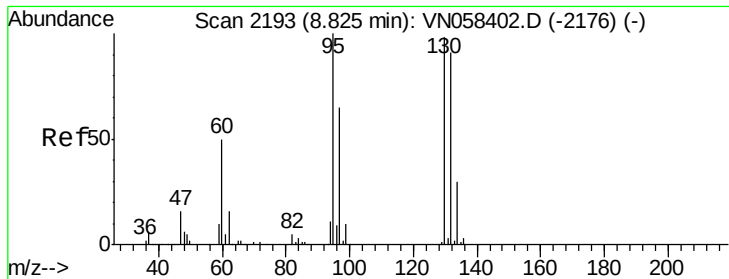
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.224 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058535.D
 Acq: 4 Oct 2019 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.6	115.0#
121	0.0	24.7	37.1#





#44

Trichloroethene

Concen: 2.781 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058535.D

Acq: 4 Oct 2019 13:15

Instrument :

MSVOA_N

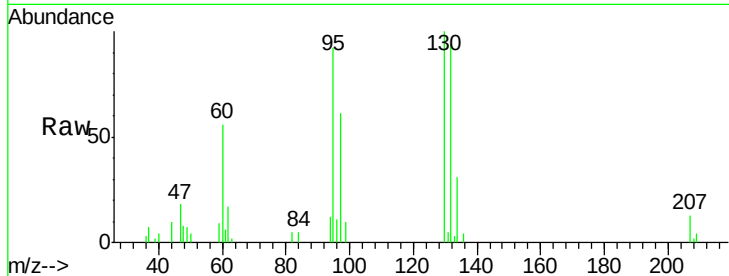
ClientSampleId :

Tot Ion:130 Resp: 13221

Ion Ratio Lower Upper

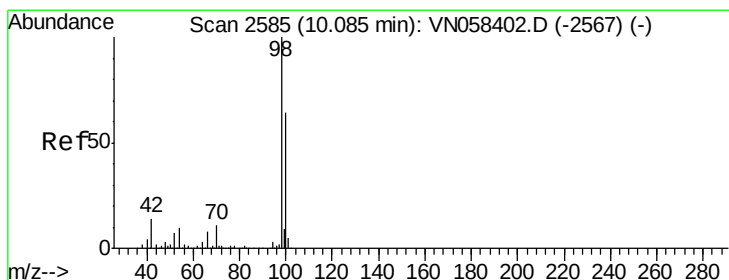
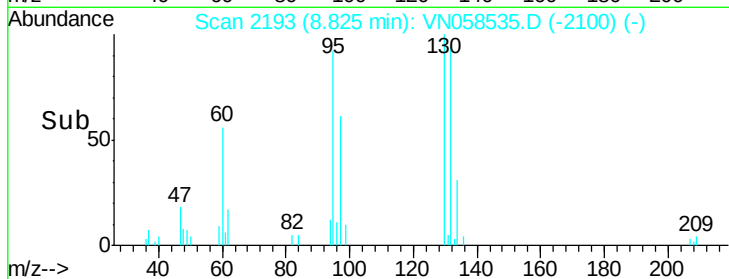
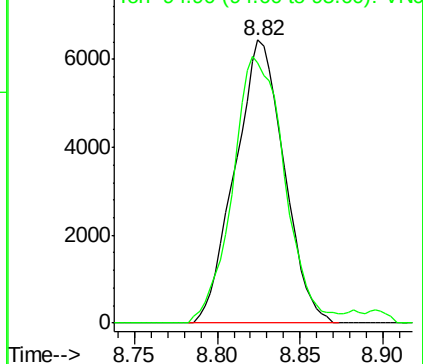
130 100

95 91.8 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 51.624 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058535.D

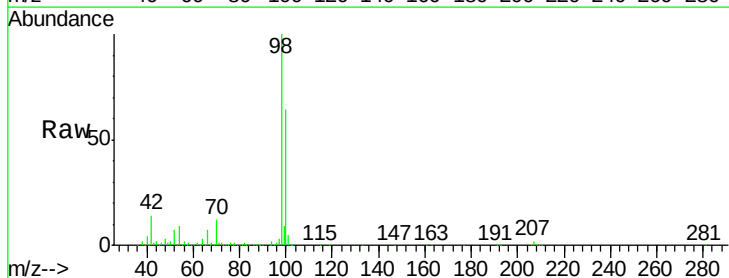
Acq: 4 Oct 2019 13:15

Tgt Ion: 98 Resp: 868129

Ion Ratio Lower Upper

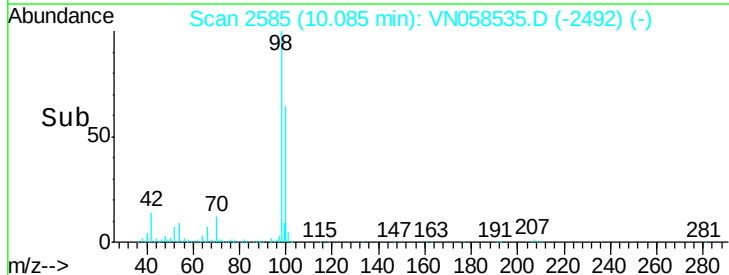
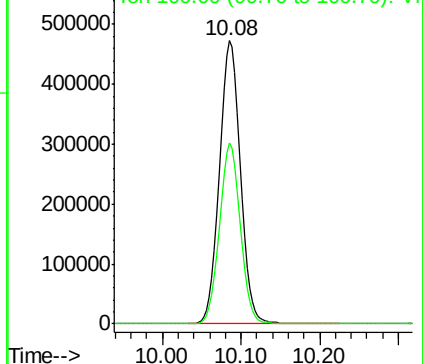
98 100

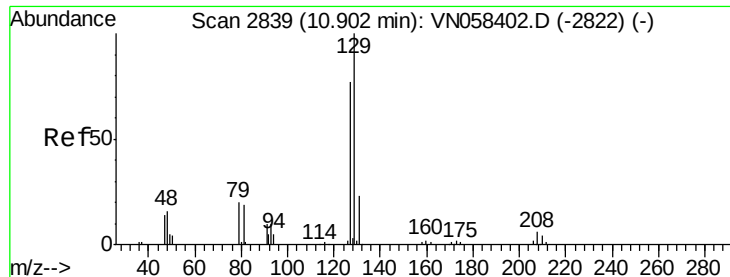
100 63.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#60

Dibromochloromethane

Concen: 81.818 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058535.D

Acq: 4 Oct 2019 13:15

Instrument :

MSVOA_N

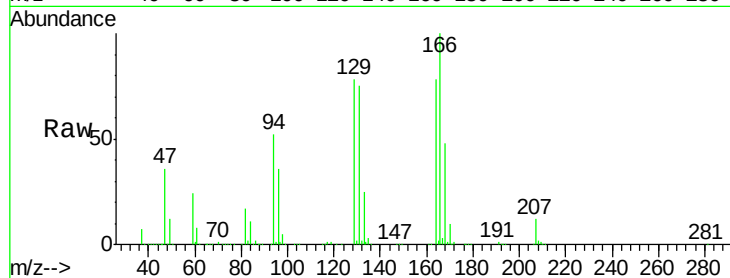
ClientSampled :

Tot Ion:129 Resp: 372206

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

10.63

250000

200000

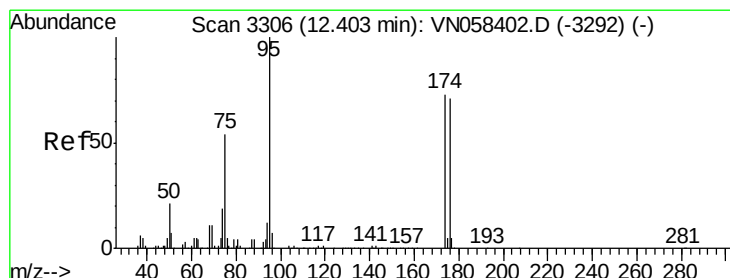
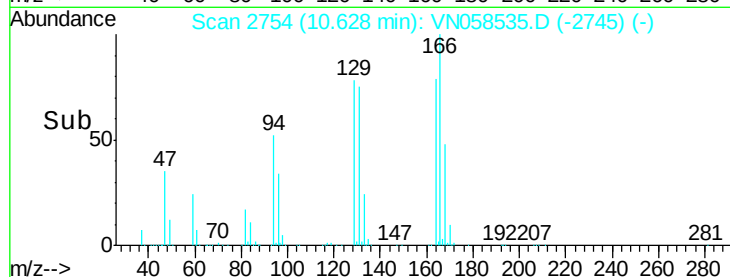
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.880 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058535.D

Acq: 4 Oct 2019 13:15

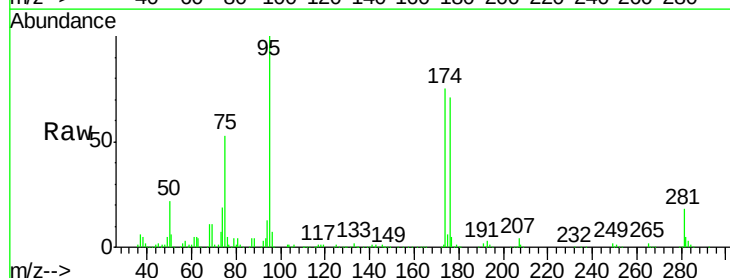
Tgt Ion: 95 Resp: 291130

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.6

176 71.8 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

12.41

200000

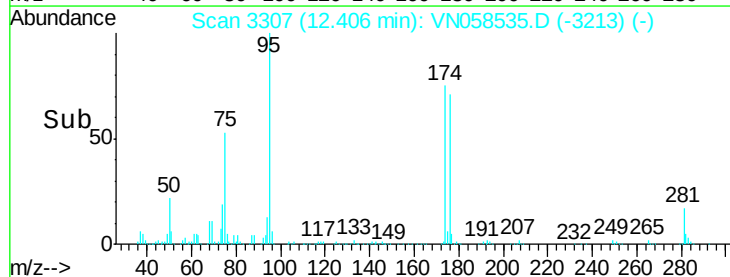
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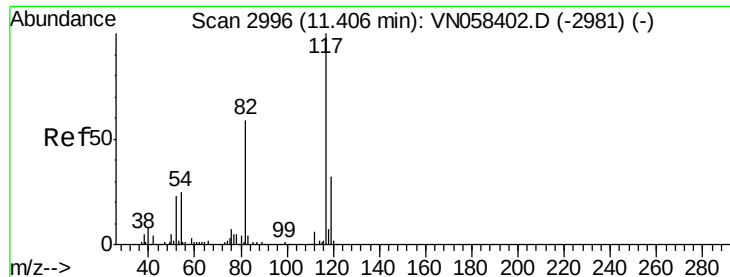
100000

50000

0

Time-->

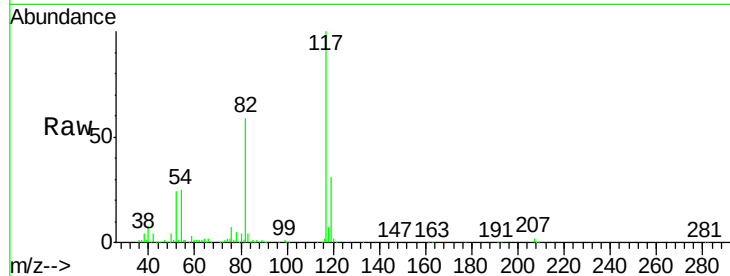




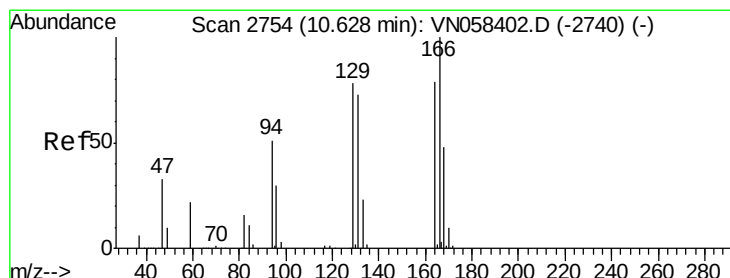
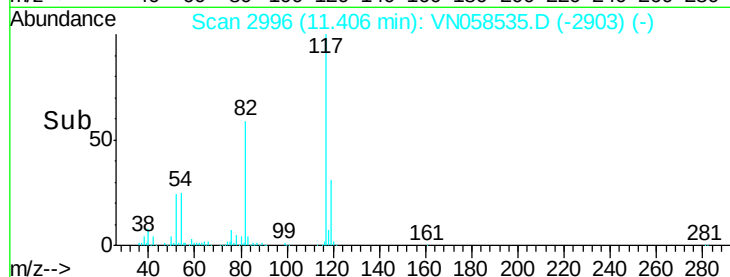
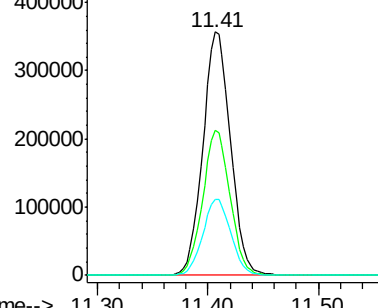
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058535.D
Acq: 4 Oct 2019 13:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 619168
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.0
119 31.3 25.5 38.3

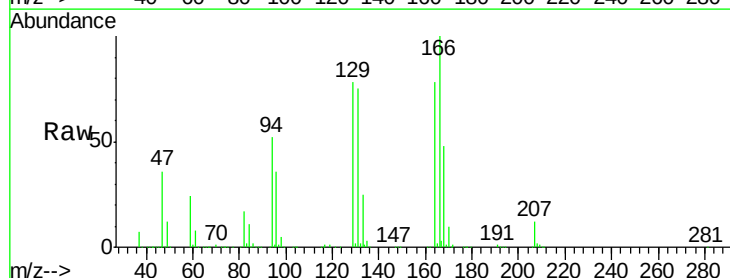


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

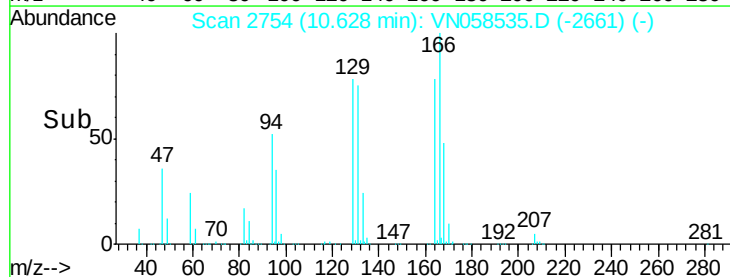
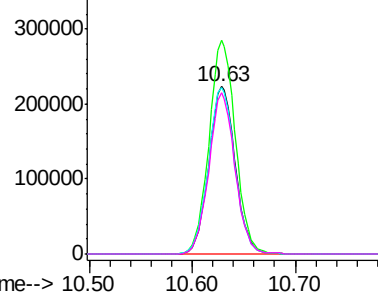


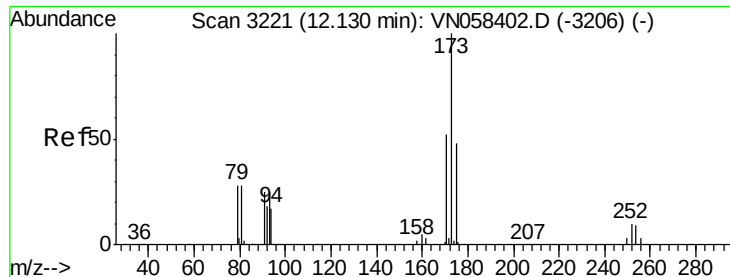
#64
Tetrachloroethene
Concen: 101.197 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058535.D
Acq: 4 Oct 2019 13:15

Tgt Ion:164 Resp: 398086
Ion Ratio Lower Upper
164 100
166 127.5 101.1 151.7
129 99.4 79.2 118.8
131 95.9 74.1 111.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.720 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN058535.D

Acq: 4 Oct 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

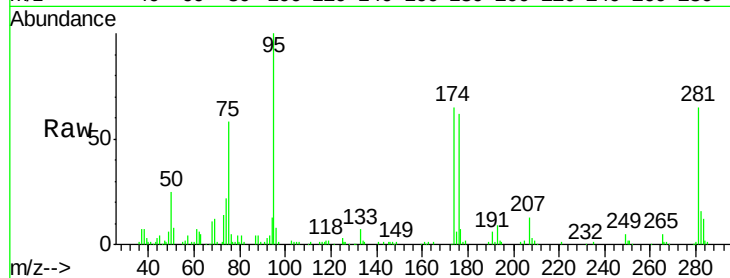
Tot Ion:173 Resp: 73

Ion Ratio Lower Upper

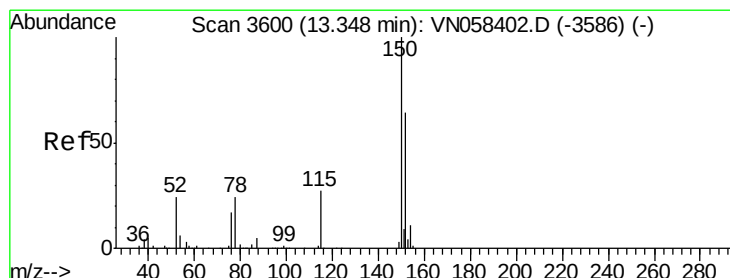
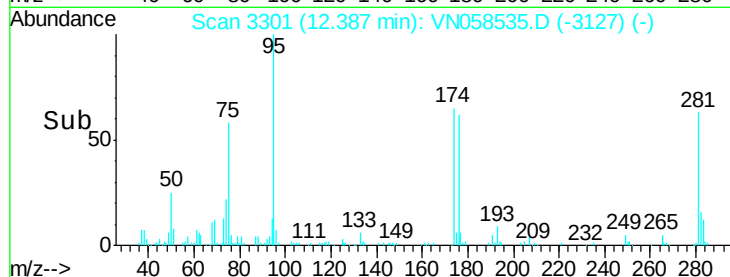
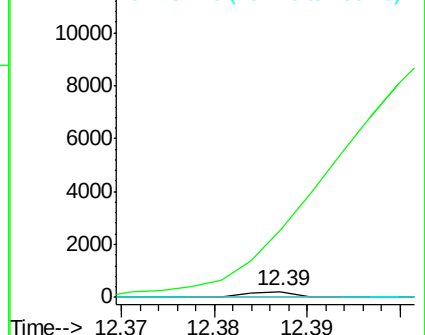
173 100

175 0.0 24.3 73.0#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN058535.D

Acq: 4 Oct 2019 13:15

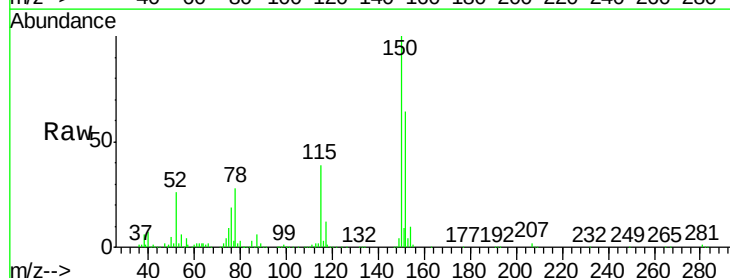
Tgt Ion:152 Resp: 249313

Ion Ratio Lower Upper

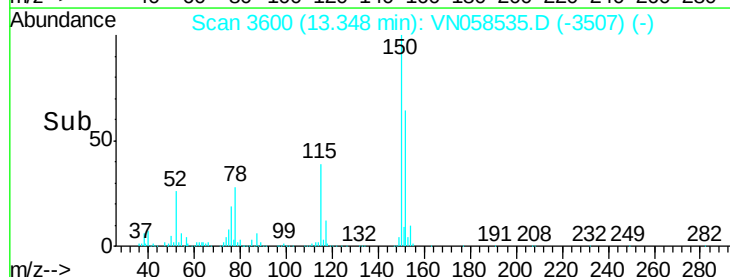
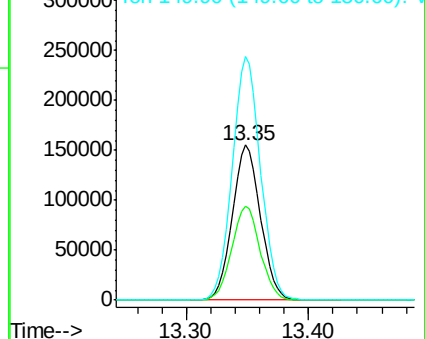
152 100

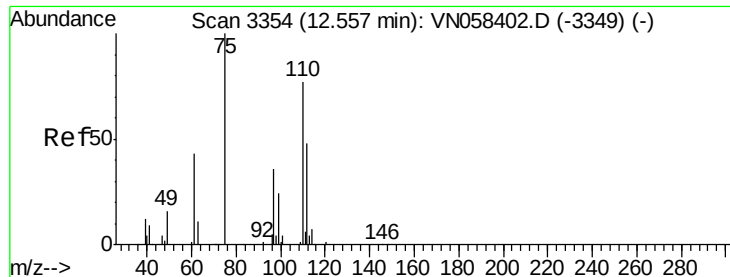
115 61.1 30.0 90.0

150 157.7 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: 34.789 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058535.D

Acq: 4 Oct 2019 13:15

Instrument :

MSVOA_N

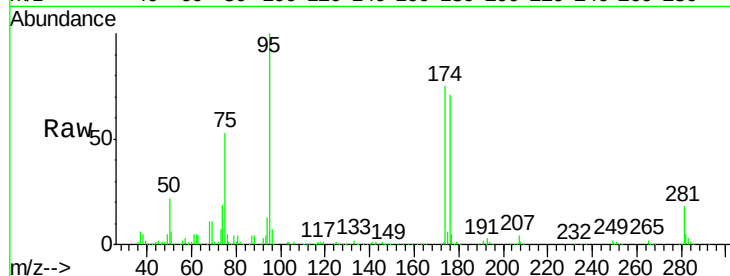
ClientSampled :

Tot Ion: 75 Resp: 158420

Ion Ratio Lower Upper

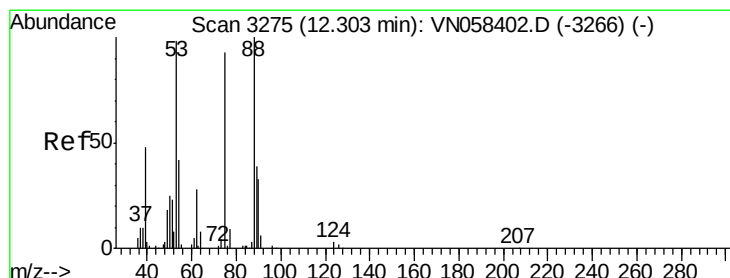
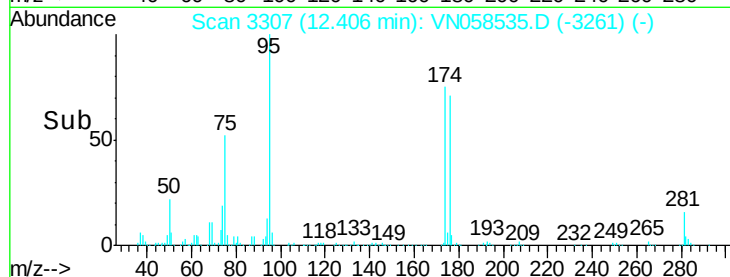
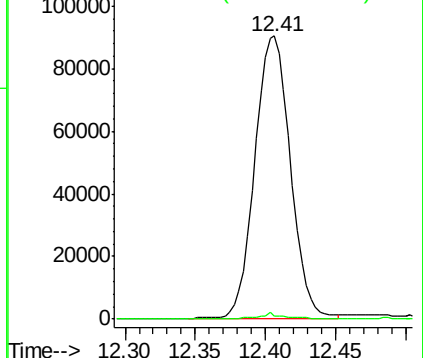
75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 105.659 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058535.D

Acq: 4 Oct 2019 13:15

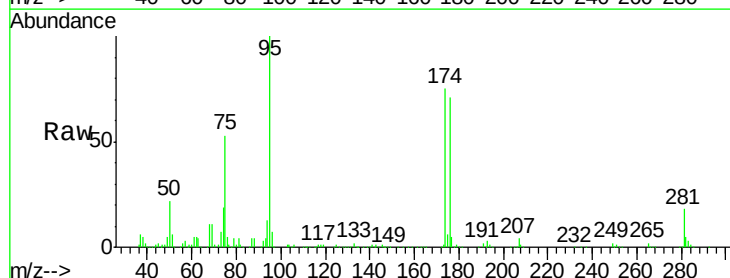
Tgt Ion: 75 Resp: 158420

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

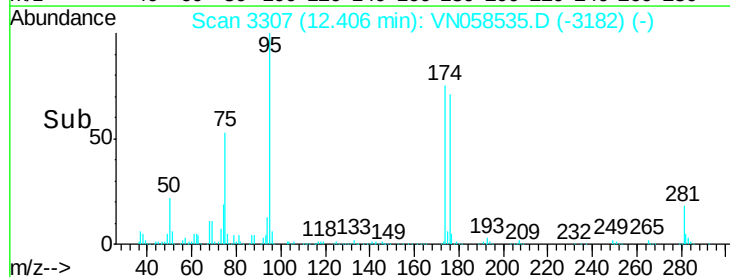
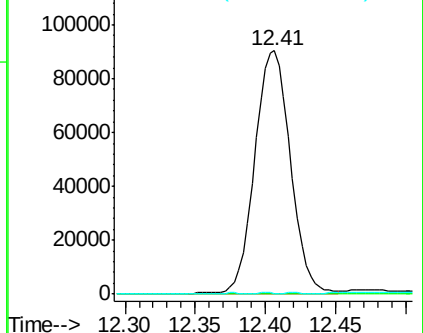
89 0.2 35.0 52.4#

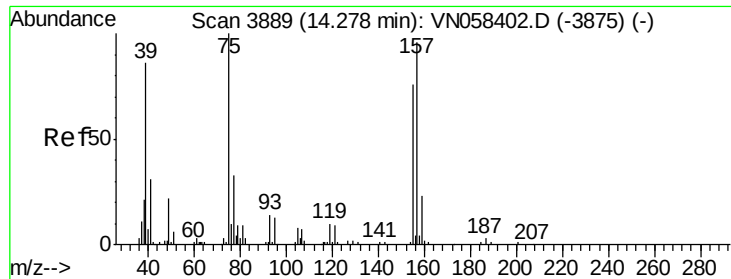


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.432 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.01 min
 Lab File: VN058535.D
 Acq: 4 Oct 2019 13:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 415
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.2 117.6#
 157 0.0 48.7 146.1#

