

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058554.D
 Acq On : 4 Oct 2019 20:12
 Operator : JC/SP
 Sample : K5197-07 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:42:21 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	420092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	683614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	590559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	296137	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	7.57	113	209537	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.09	98	845917	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.41	95	282126	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

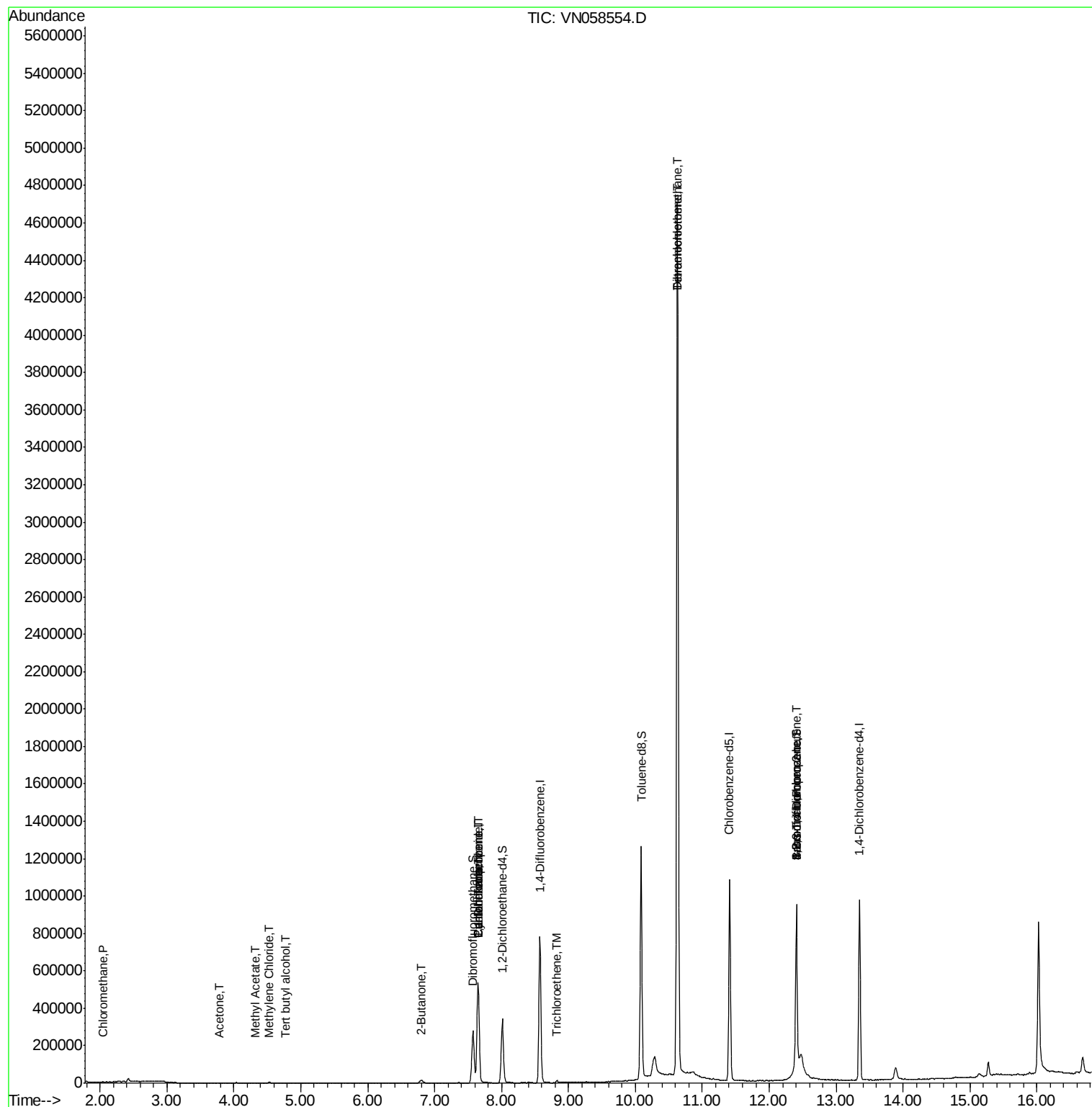
					Qvalue	
3) Chloromethane	2.04	50	1807	0.357	ug/l	93
11) Tert butyl alcohol	4.76	59	160	0.235	ug/l #	71
16) Acetone	3.79	43	575	0.275	ug/l #	47
18) Methyl Acetate	4.31	43	1496	0.284	ug/l #	53
20) Methylene Chloride	4.53	84	1497	0.310	ug/l #	57
25) 2-Butanone	6.80	43	1252	0.436	ug/l #	50
31) Cyclohexane	7.65	56	10268	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	36107	5.524	ug/l #	50
38) Carbon Tetrachloride	7.65	117	43417	7.358	ug/l #	16
44) Trichloroethene	8.83	130	4306	0.928	ug/l	81
60) Dibromochloromethane	10.63	129	948417	214.500	ug/l #	11
64) Tetrachloroethene	10.63	164	1013647	270.161	ug/l	98
71) Bromoform	12.40	173	889	1.015	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	154744	34.680	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	154744	105.327	ug/l #	8

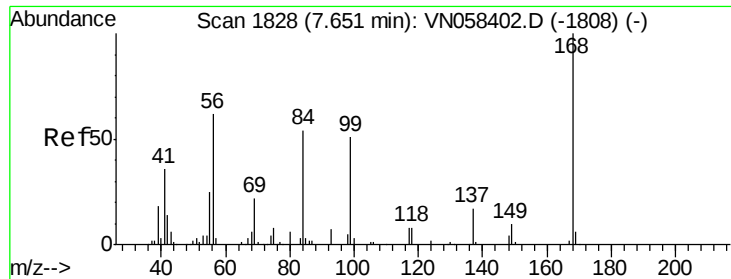
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100419\
Data File : VN058554.D
Acq On : 4 Oct 2019 20:12
Operator : JC/SP
Sample : K5197-07 50X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 04 23:42:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 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: VN058554.D

Acq: 4 Oct 2019 20:12

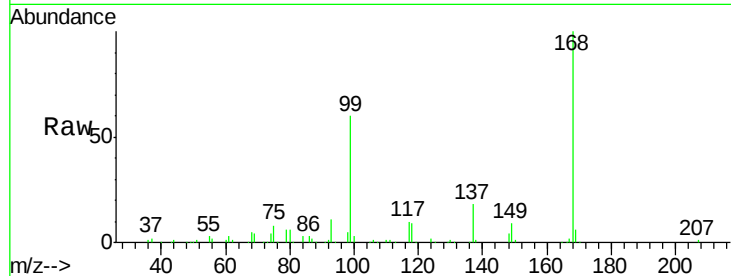
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 420092

Ion Ratio Lower Upper

168 100

99 60.2 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

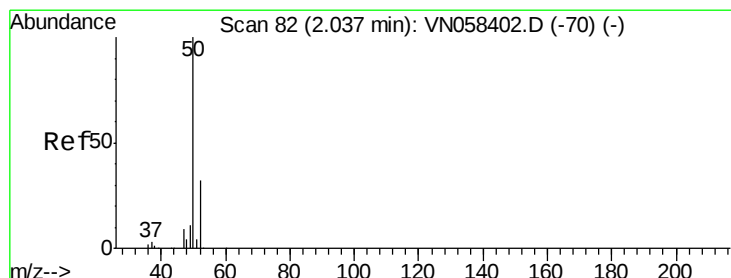
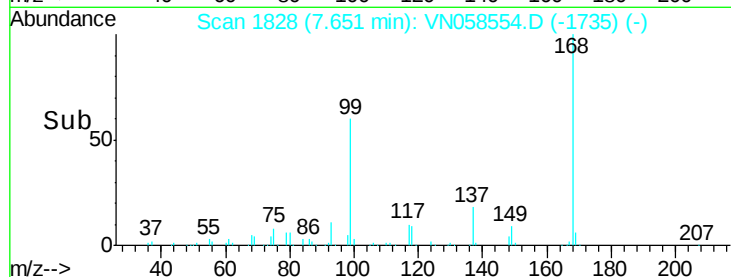
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.357 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058554.D

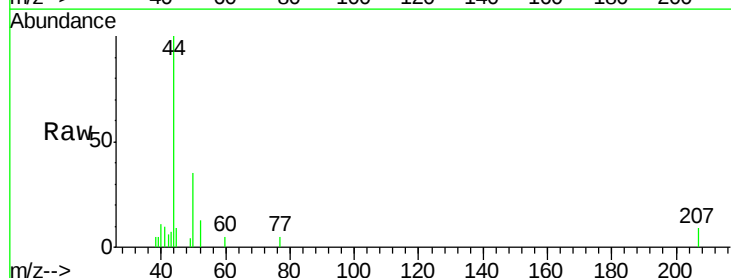
Acq: 4 Oct 2019 20:12

Tgt Ion: 50 Resp: 1807

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

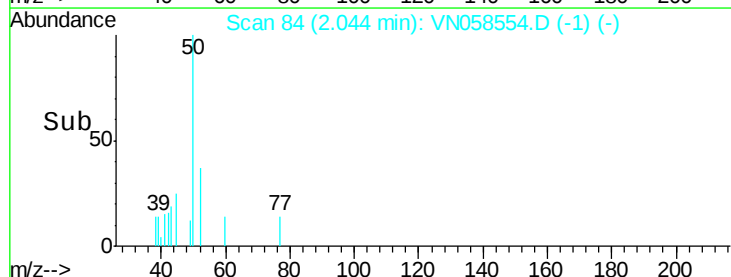
1500

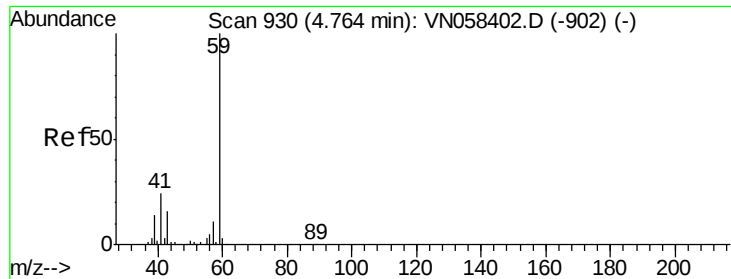
1000

500

0

Time-->

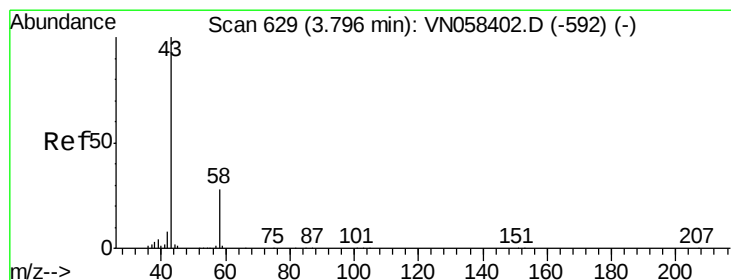
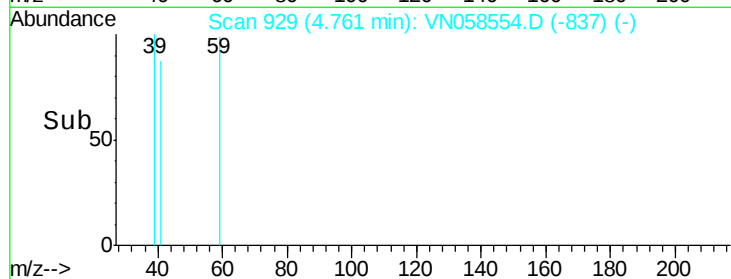
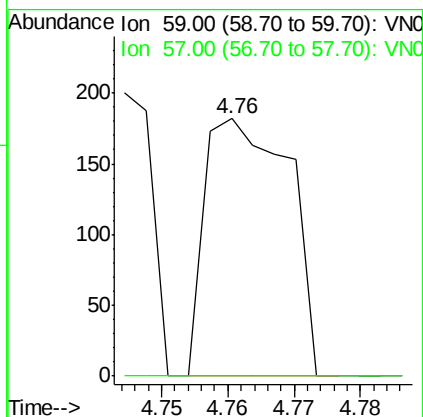
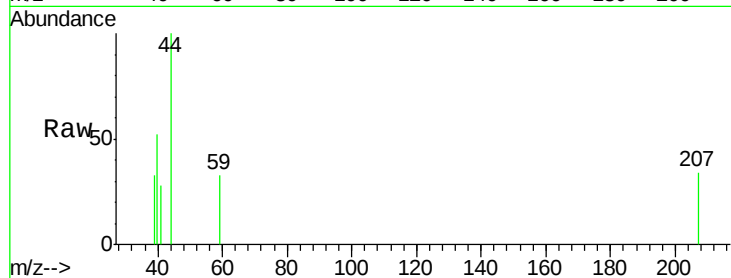




#11
Tert butyl alcohol
Concen: 0.235 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN058554.D
Acq: 4 Oct 2019 20:12

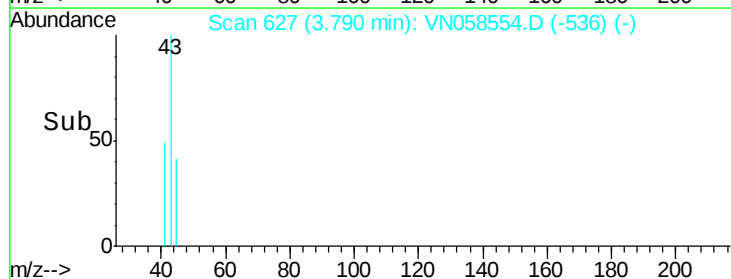
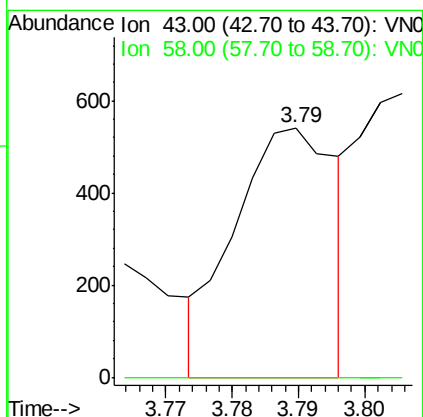
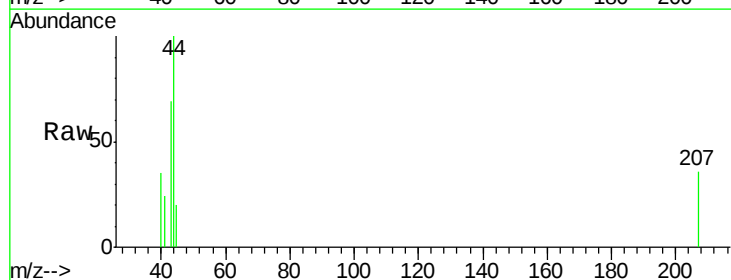
Instrument :
MSVOA_N
ClientSampleId :

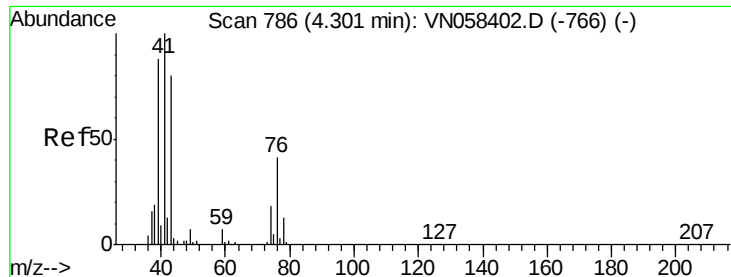
Tot Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 0.275 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.01 min
Lab File: VN058554.D
Acq: 4 Oct 2019 20:12

Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#

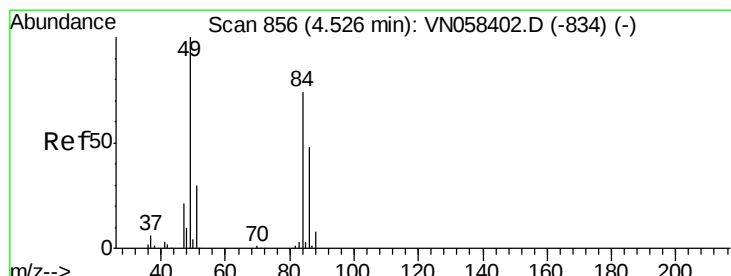
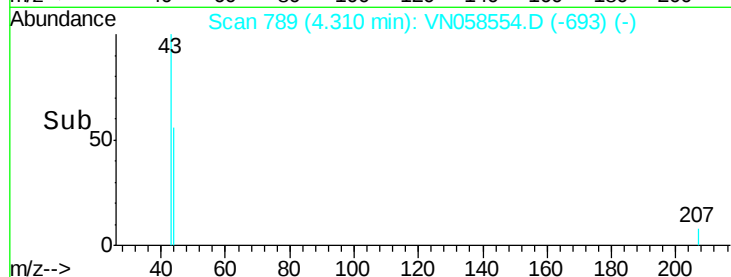
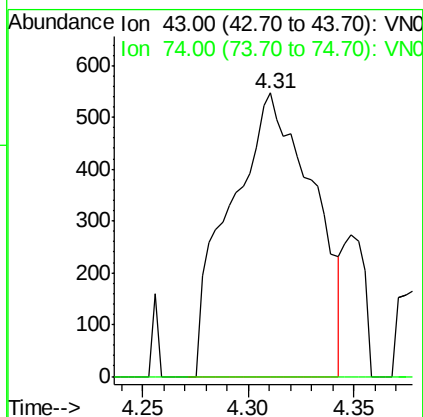
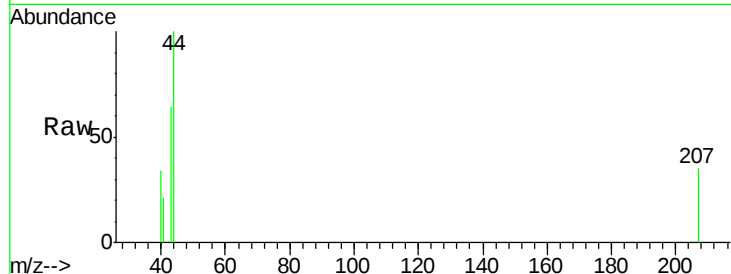




#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058554.D
Acq: 4 Oct 2019 20:12

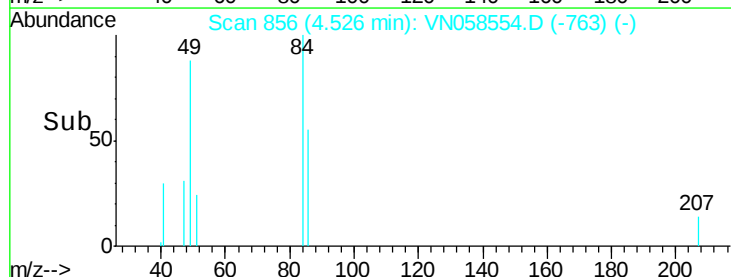
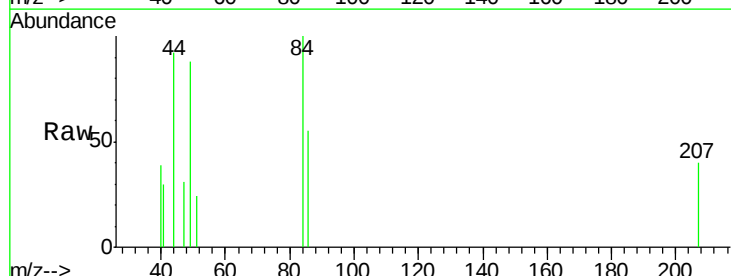
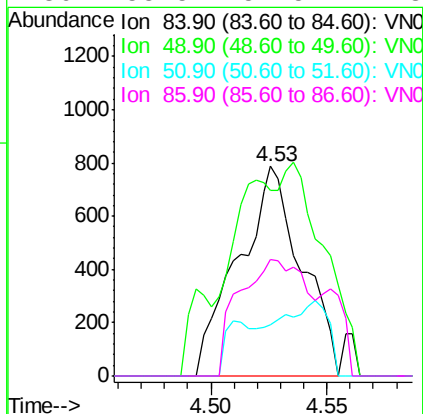
Instrument :
MSVOA_N
ClientSampled :

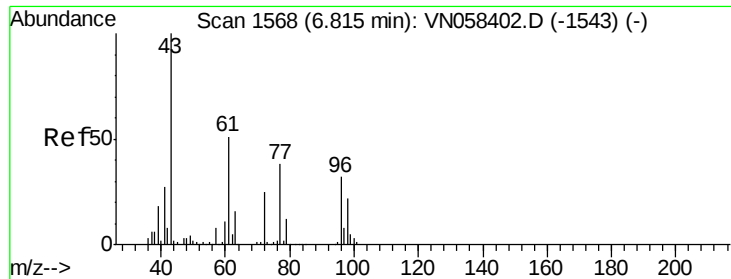
Tot Ion: 43 Resp: 1496
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 0.310 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058554.D
Acq: 4 Oct 2019 20:12

Tgt Ion: 84 Resp: 1497
Ion Ratio Lower Upper
84 100
49 59.0 107.9 161.9#
51 24.5 32.8 49.2#
86 55.5 51.5 77.3





#25

2-Butanone

Concen: 0.436 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VN058554.D

Acq: 4 Oct 2019 20:12

Instrument :

MSVOA_N

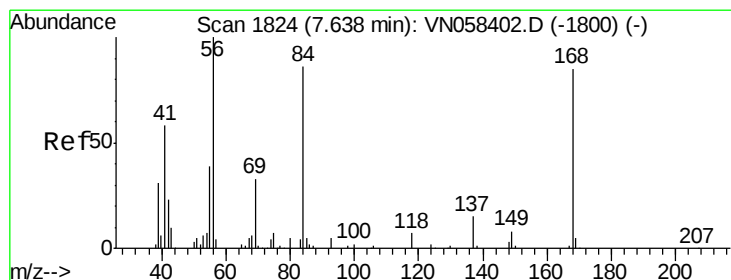
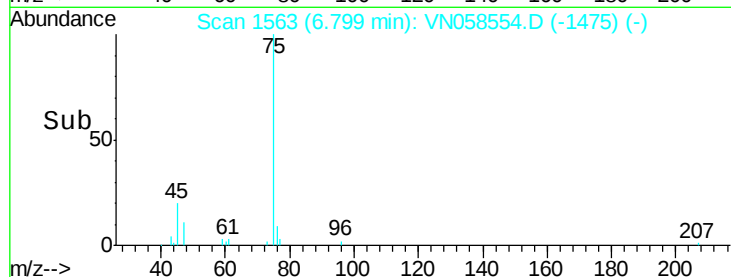
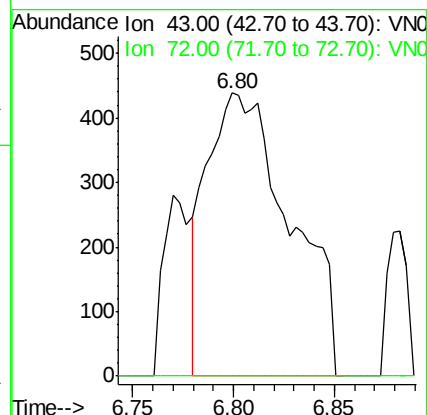
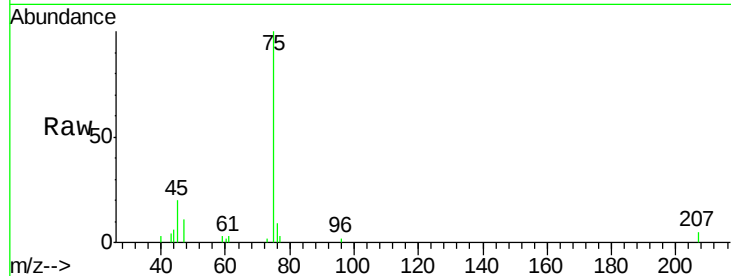
ClientSampleId :

Tot Ion: 43 Resp: 1252

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058554.D

Acq: 4 Oct 2019 20:12

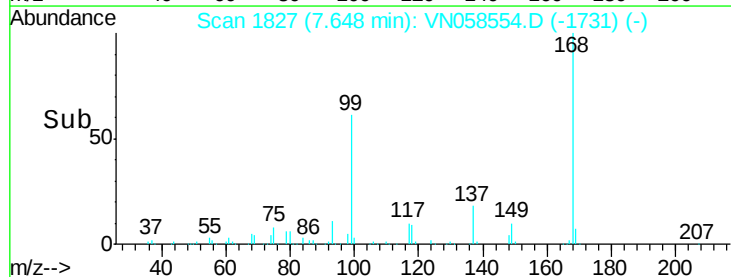
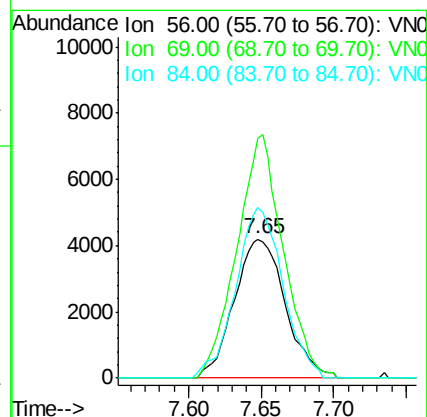
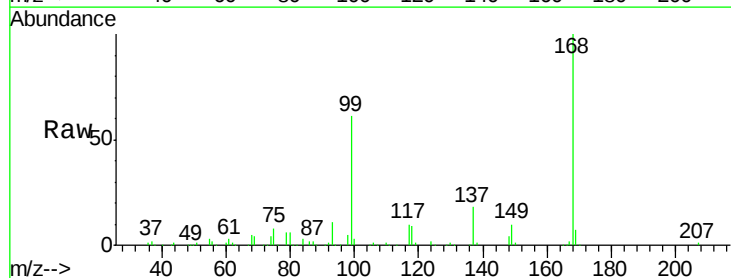
Tgt Ion: 56 Resp: 10268

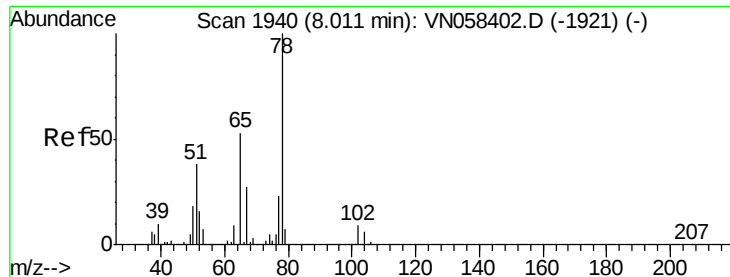
Ion Ratio Lower Upper

56 100

69 172.1 26.2 39.4#

84 122.6 67.6 101.4#

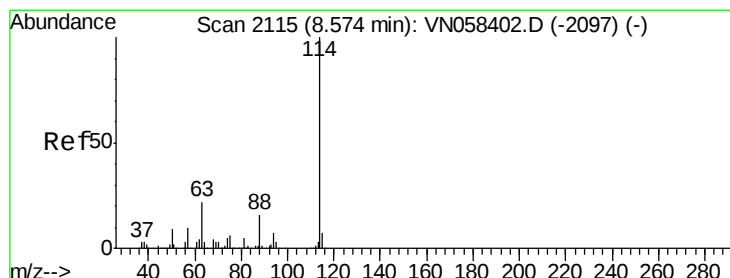
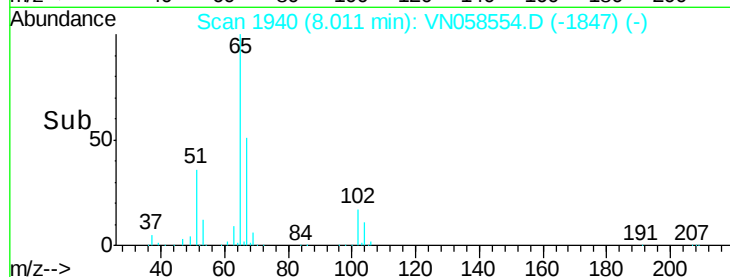
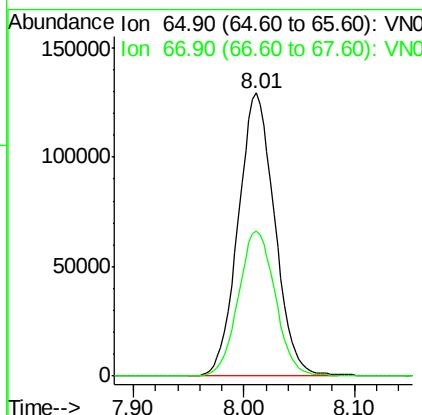
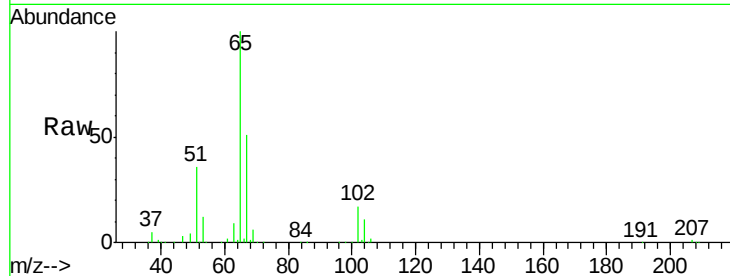




#33
 1,2-Dichloroethane-d4
 Concen: 48.239 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058554.D
 Acq: 4 Oct 2019 20:12

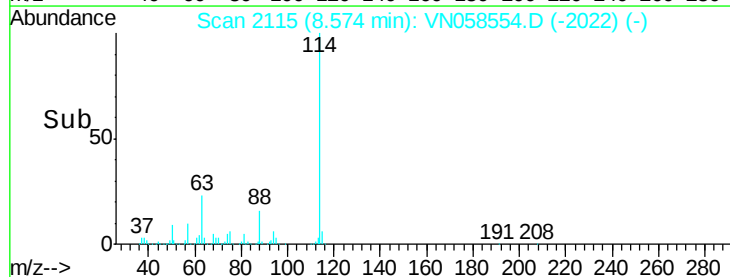
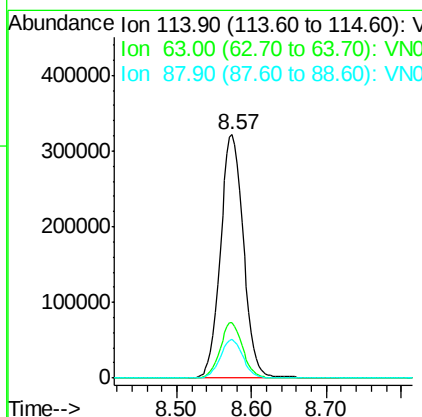
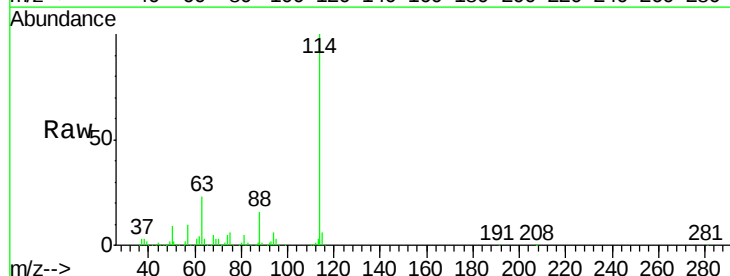
Instrument :
 MSVOA_N
 ClientSampled :

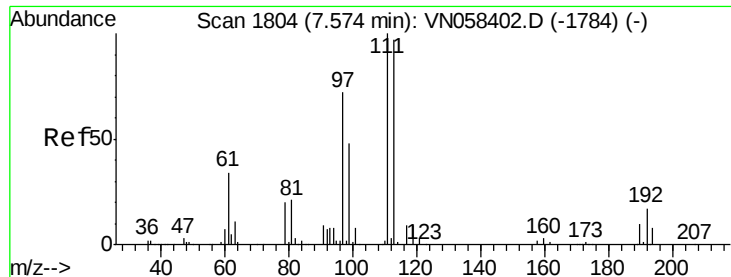
Tot Ion: 65 Resp: 296137
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058554.D
 Acq: 4 Oct 2019 20:12

Tgt Ion: 114 Resp: 683614
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.0
 88 15.9 0.0 32.2

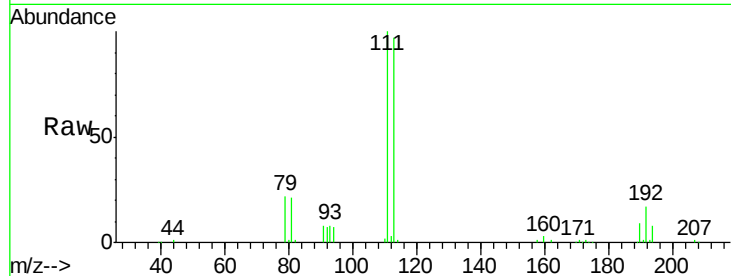




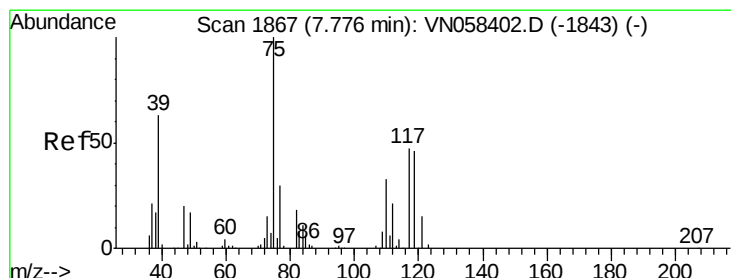
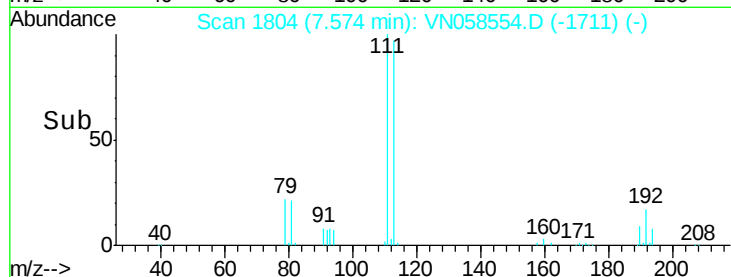
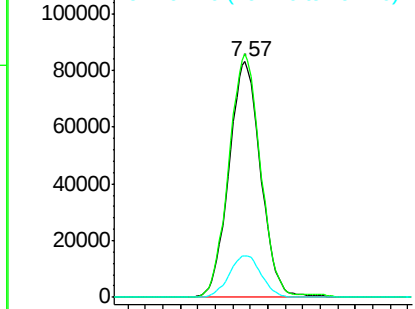
#35
 Dibromofluoromethane
 Concen: 50.011 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058554.D
 Acq: 4 Oct 2019 20:12

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.4	125.2
192	17.8	14.9	22.3

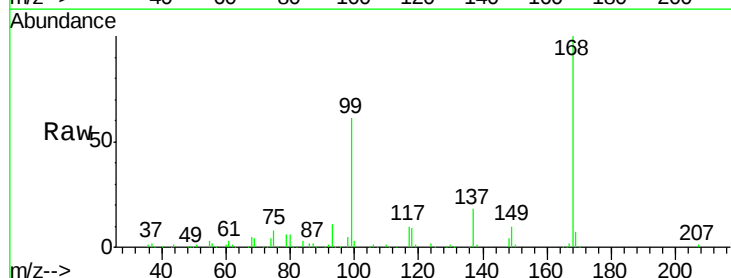


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

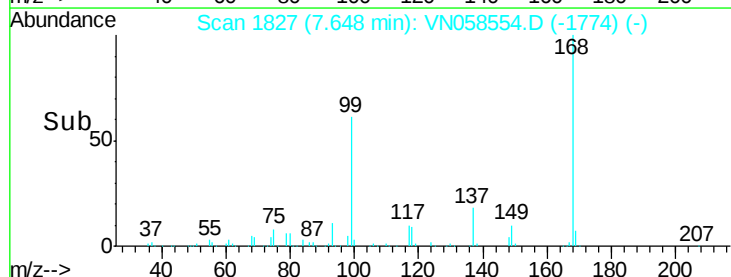
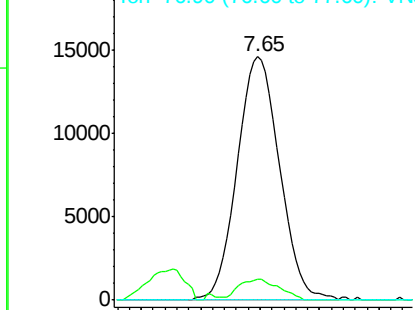


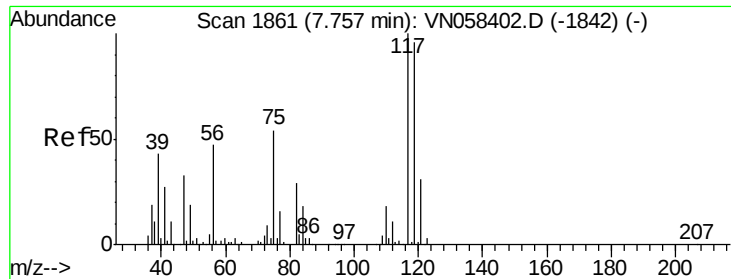
#36
 1,1-Dichloropropene
 Concen: 5.524 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058554.D
 Acq: 4 Oct 2019 20:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.4	49.2#
77	0.0	24.3	36.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 7.358 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058554.D

Acq: 4 Oct 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

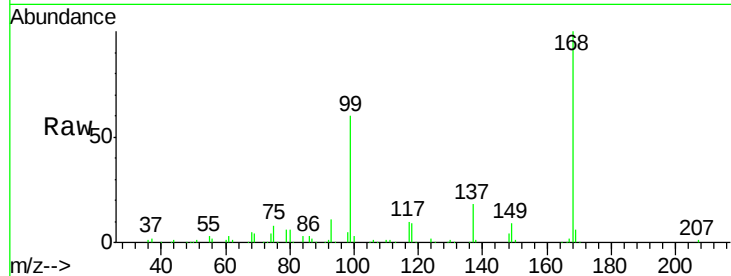
Tot Ion:117 Resp: 43417

Ion Ratio Lower Upper

117 100

119 4.5 76.6 115.0#

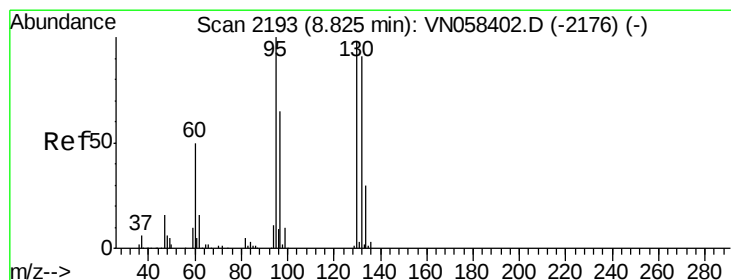
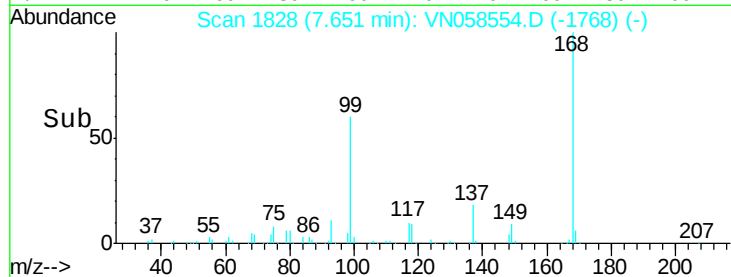
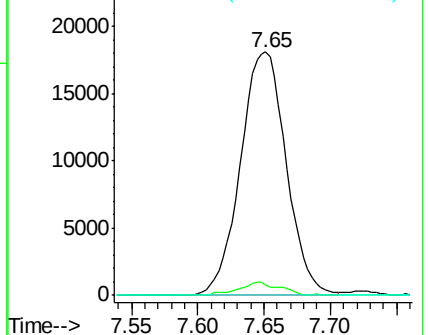
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.928 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058554.D

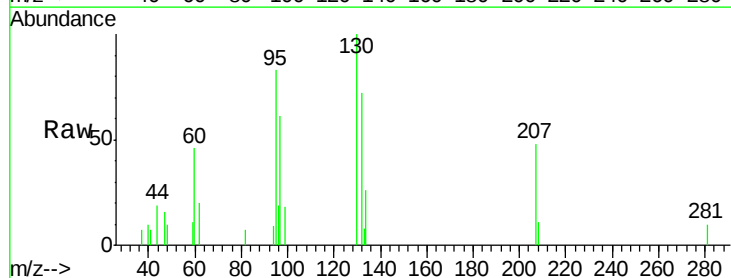
Acq: 4 Oct 2019 20:12

Tgt Ion:130 Resp: 4306

Ion Ratio Lower Upper

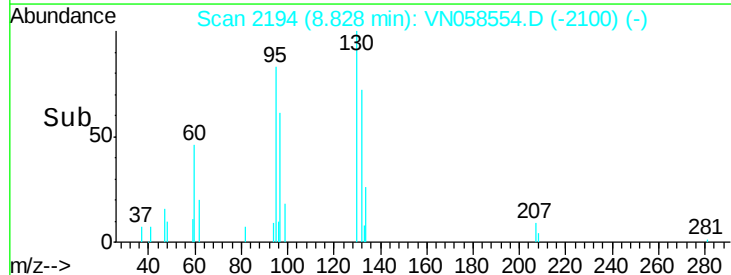
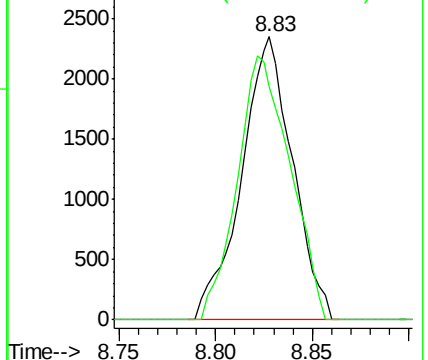
130 100

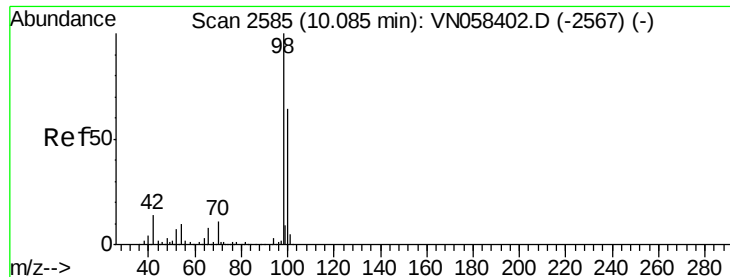
95 82.7 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 51.539 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058554.D

Acq: 4 Oct 2019 20:12

Instrument :

MSVOA_N

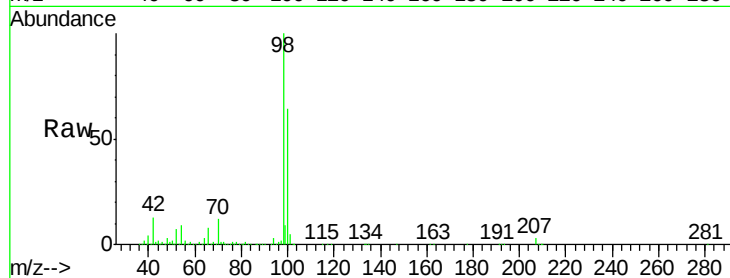
ClientSampleId :

Tot Ion: 98 Resp: 845917

Ion Ratio Lower Upper

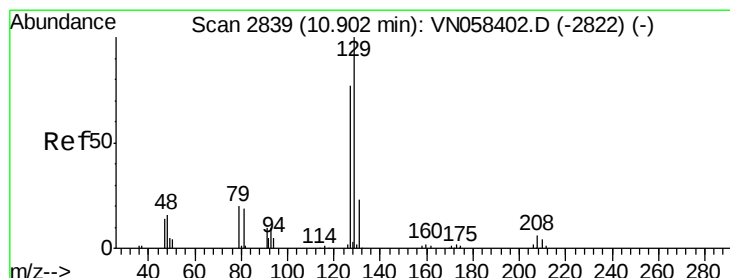
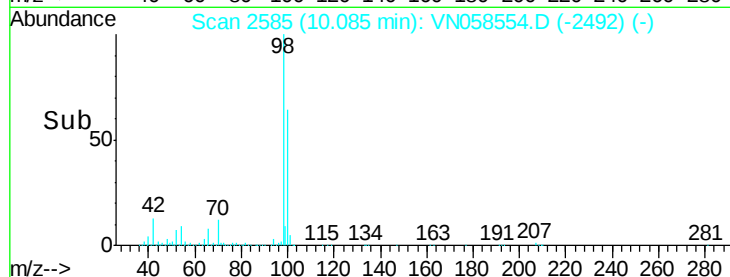
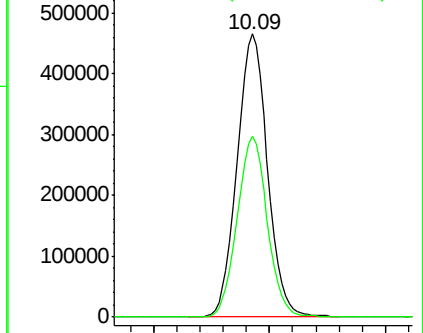
98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)



#60

Dibromochloromethane

Concen: 214.500 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058554.D

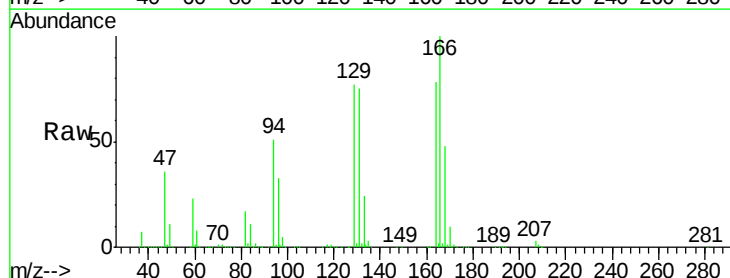
Acq: 4 Oct 2019 20:12

Tgt Ion: 129 Resp: 948417

Ion Ratio Lower Upper

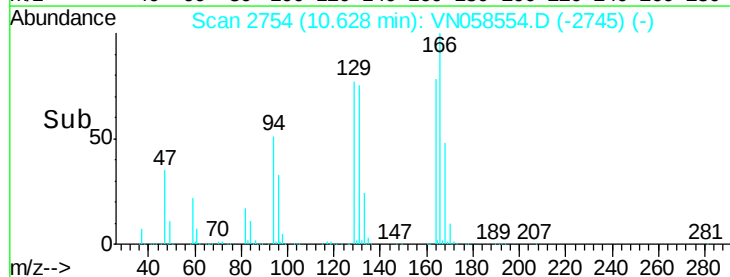
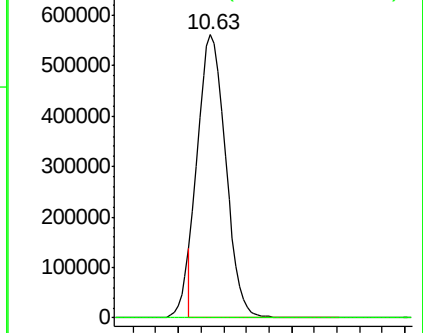
129 100

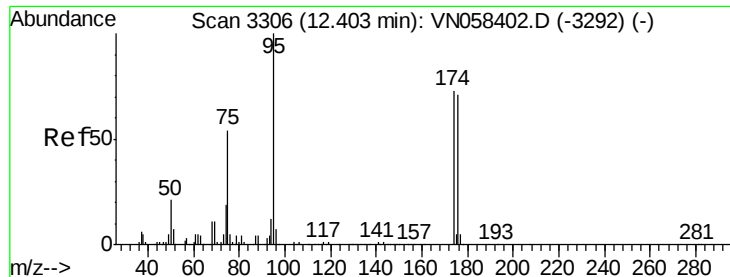
127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): VN058402.D (-2822) (-)

Ion 126.80 (126.50 to 127.50): VN058402.D (-2822) (-)





#62

4-Bromofluorobenzene

Concen: 47.538 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058554.D

Acq: 4 Oct 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

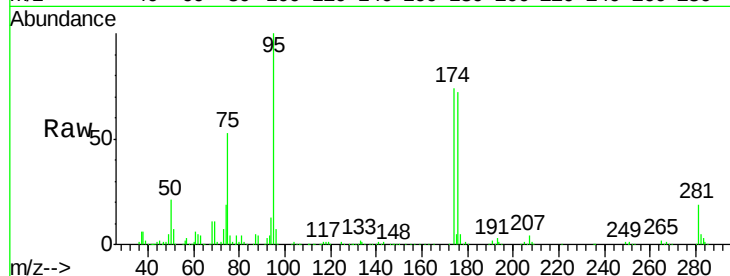
Tot Ion: 95 Resp: 282126

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.6

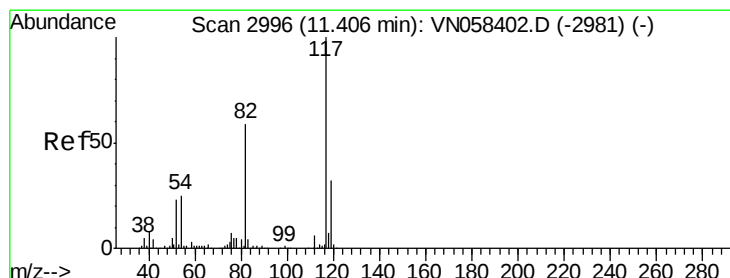
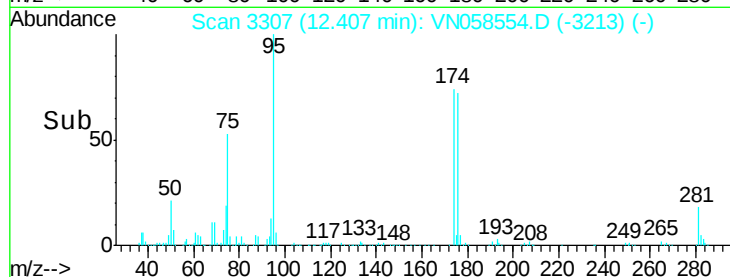
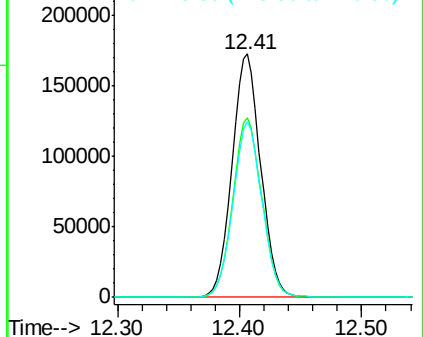
176 72.9 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058554.D

Acq: 4 Oct 2019 20:12

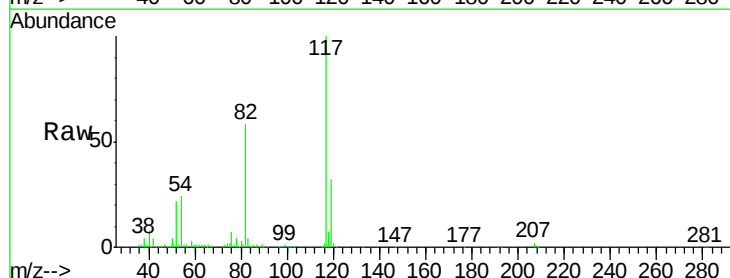
Tgt Ion: 117 Resp: 590559

Ion Ratio Lower Upper

117 100

82 57.9 47.4 71.0

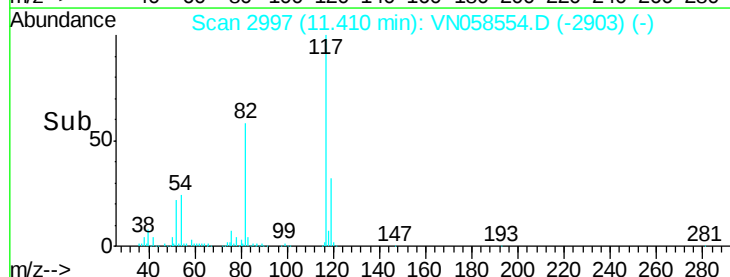
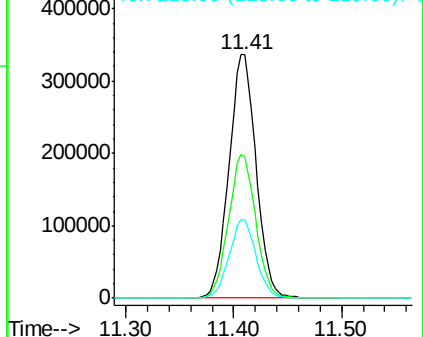
119 32.3 25.5 38.3

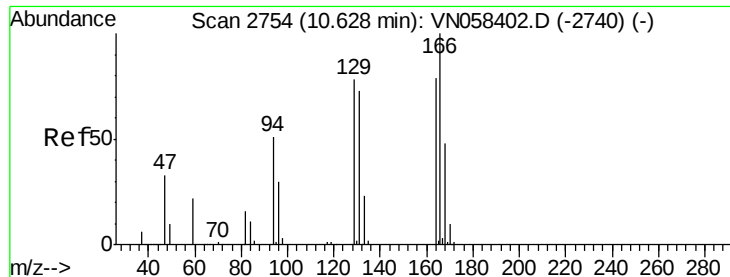


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#64

Tetrachloroethene

Concen: 270.161 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058554.D

Acq: 4 Oct 2019 20:12

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 1013647

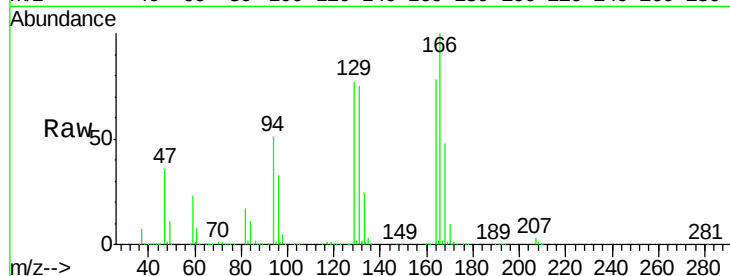
Ion Ratio Lower Upper

164 100

166 128.7 101.1 151.7

129 99.2 79.2 118.8

131 96.8 74.1 111.1

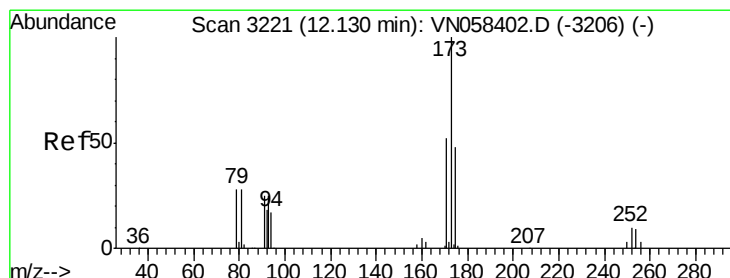
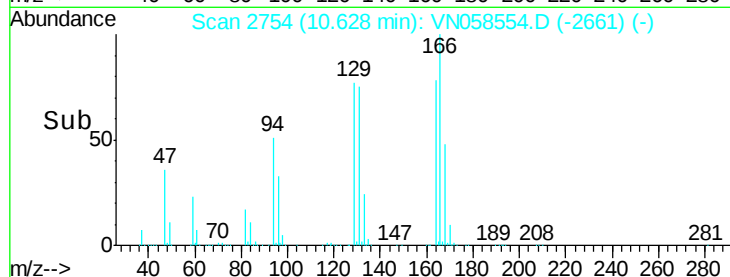
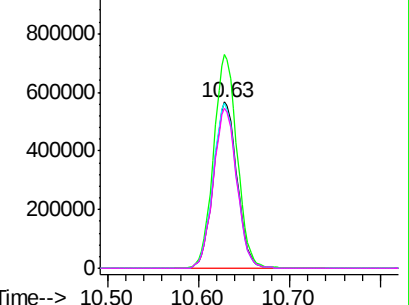


Abundance Ion 163.80 (163.50 to 164.50): V

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: 1.015 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058554.D

Acq: 4 Oct 2019 20:12

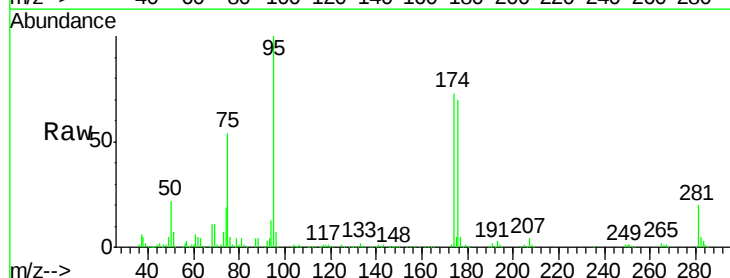
Tgt Ion:173 Resp: 889

Ion Ratio Lower Upper

173 100

175 1500.0 24.3 73.0#

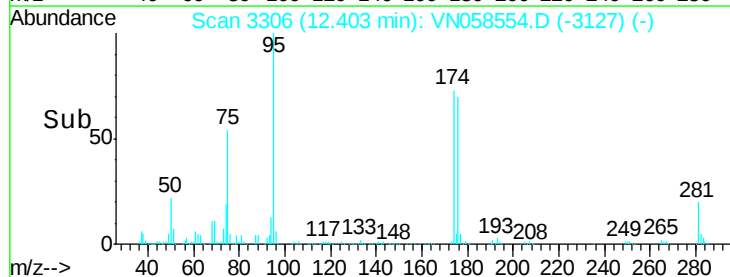
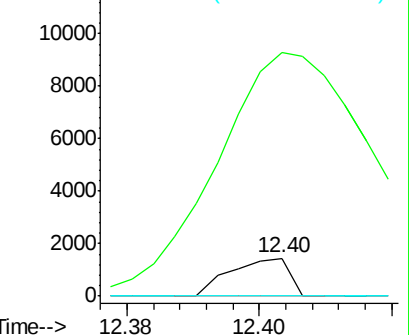
254 0.0 0.1 0.1#

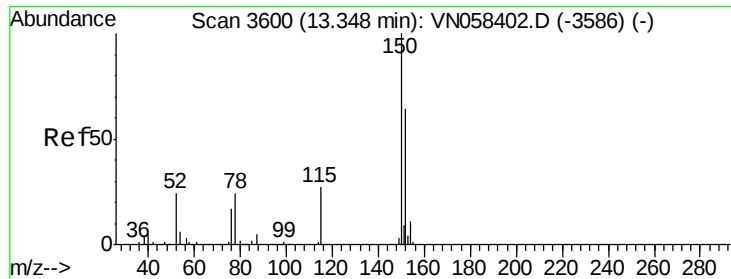


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058554.D

Acq: 4 Oct 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

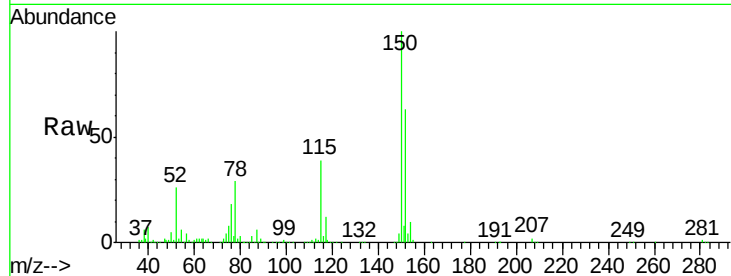
Tot Ion:152 Resp: 244295

Ion Ratio Lower Upper

152 100

115 61.2 30.0 90.0

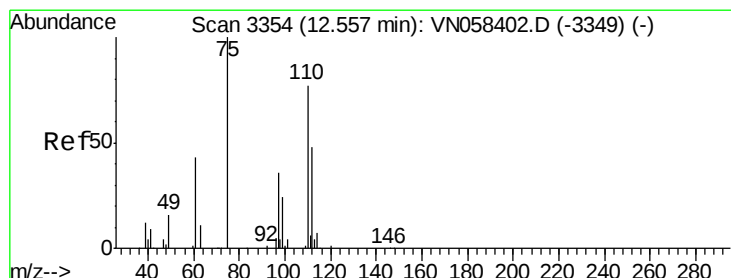
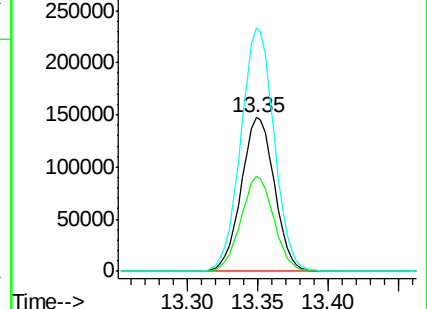
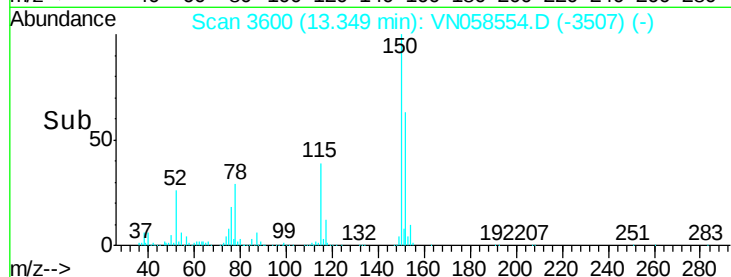
150 158.3 0.0 348.2



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: 34.680 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058554.D

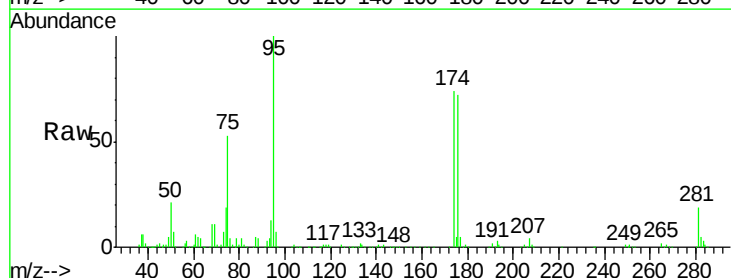
Acq: 4 Oct 2019 20:12

Tgt Ion: 75 Resp: 154744

Ion Ratio Lower Upper

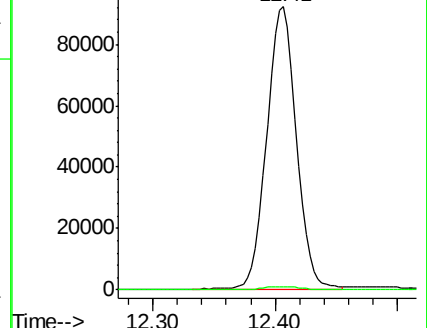
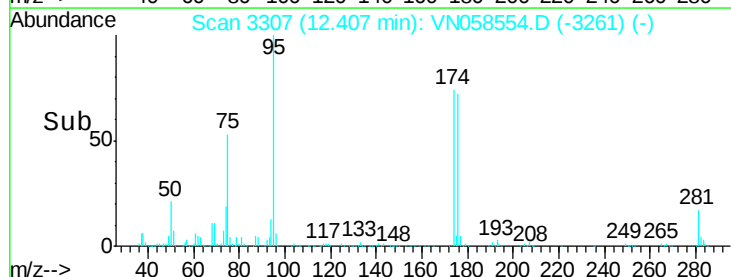
75 100

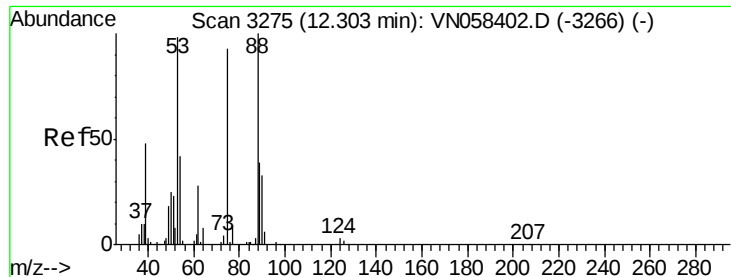
77 1.2 0.0 0.0#



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: 105.327 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058554.D

Acq: 4 Oct 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

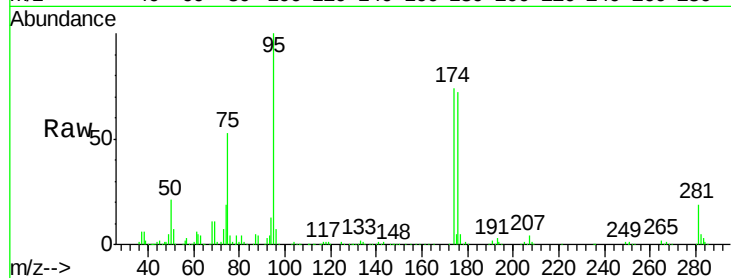
Tot Ion: 75 Resp: 154744

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.3 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

