

Data File : VN057055.D
Acq On : 2 Aug 2019 10:49
Operator : JC/SP
Sample : K4118-23
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ133I1-20190731

Quant Time: Aug 03 04:20:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	550563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	796679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	655580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	308579	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
35) Dibromofluoromethane	7.58	113	281686	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.08	98	1051547	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
62) 4-Bromofluorobenzene	12.40	95	262888	41.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.04%	

Target Compounds

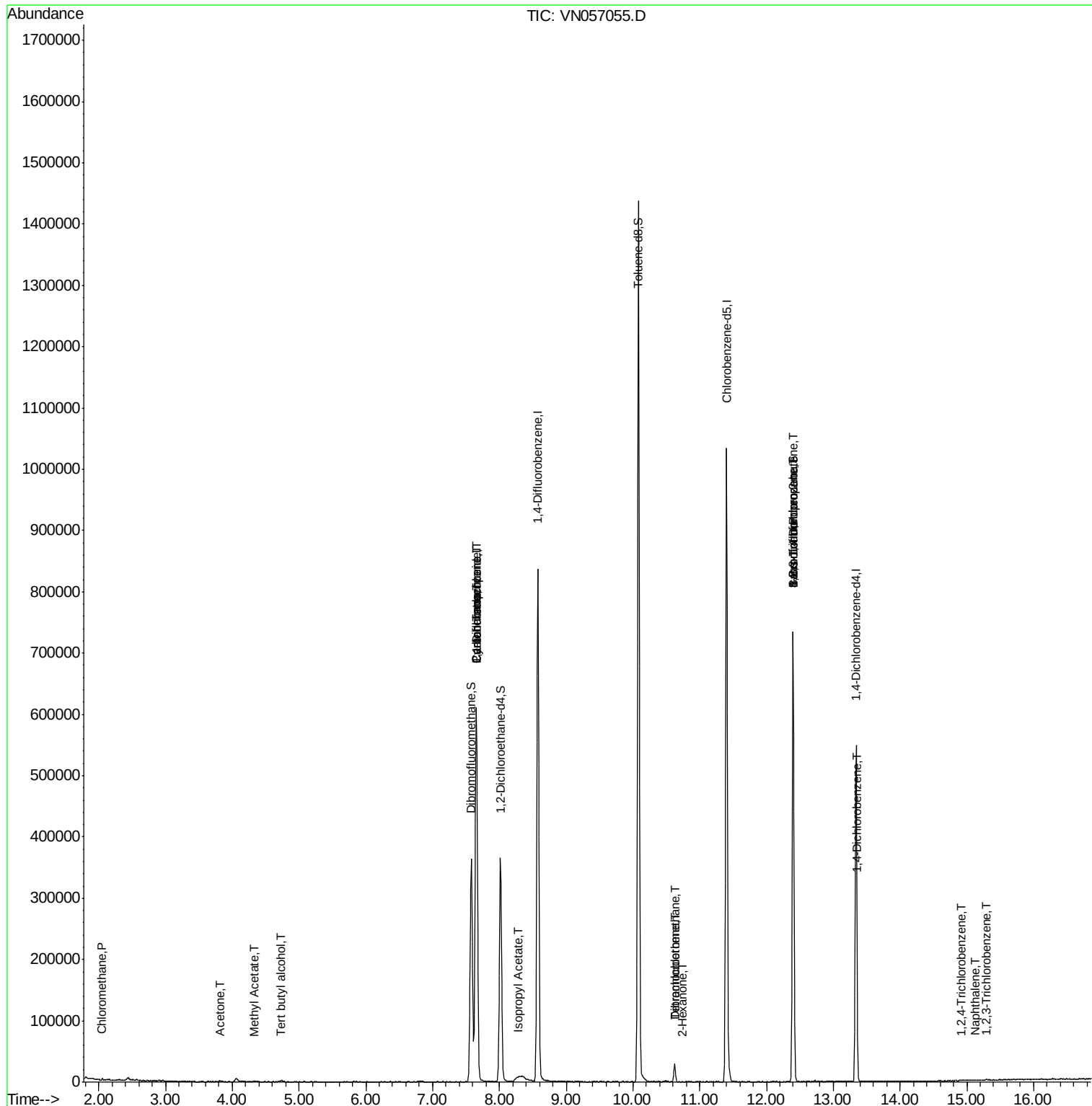
						Qvalue
3) Chloromethane	2.05	50	1867	0.280	ug/l	89
11) Tert butyl alcohol	4.73	59	1079	1.416	ug/l #	74
16) Acetone	3.82	43	2687	1.316	ug/l	98
18) Methyl Acetate	4.32	43	1441	0.221	ug/l #	65
31) Cyclohexane	7.65	56	8217	0.887	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34684	4.948	ug/l #	48
38) Carbon Tetrachloride	7.65	117	46890	7.071	ug/l #	17
43) Isopropyl Acetate	8.27	43	7302	0.787	ug/l #	52
59) 2-Hexanone	10.74	43	70	2.516	ug/l #	23
60) Dibromochloromethane	10.63	129	6330	1.188	ug/l #	11
64) Tetrachloroethene	10.63	164	6775	1.199	ug/l #	87
71) Bromoform	12.39	173	2266	0.645	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	121393	35.477	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	121393	113.987	ug/l #	15
88) 1,4-Dichlorobenzene	13.36	146	1426	0.256	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	487	2.869	ug/l	85
95) Naphthalene	15.13	128	473	3.649	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.29	180	379	2.172	ug/l #	62

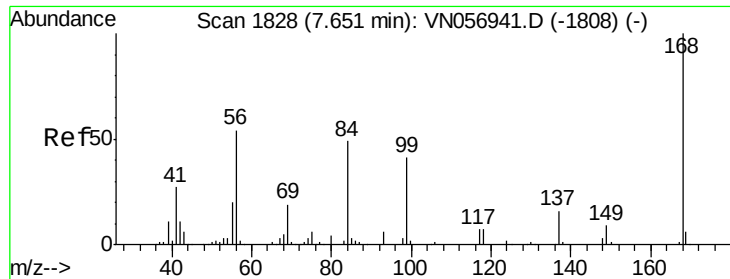
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

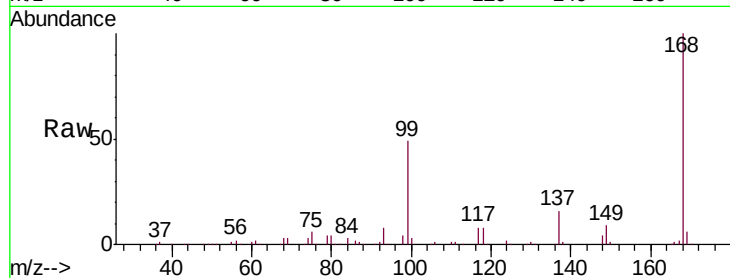
SA-PZ13311-20190731

Tgt Ion:168 Resp: 550563

Ion Ratio Lower Upper

168 100

99 48.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

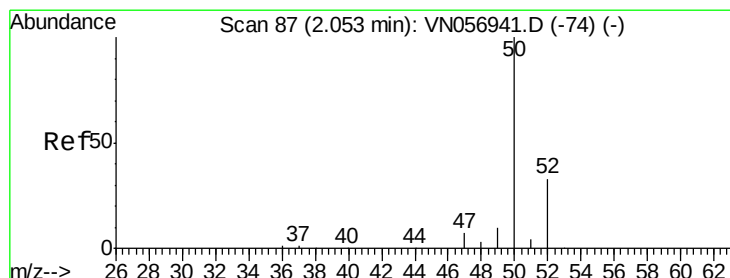
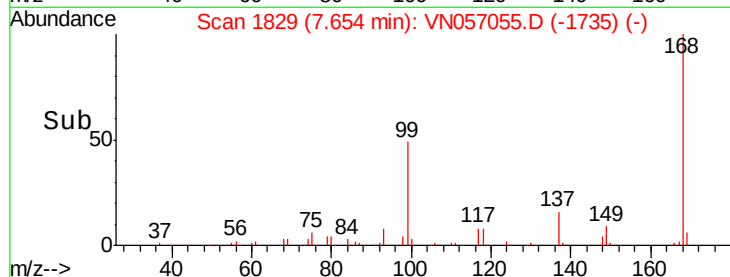
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.280 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057055.D

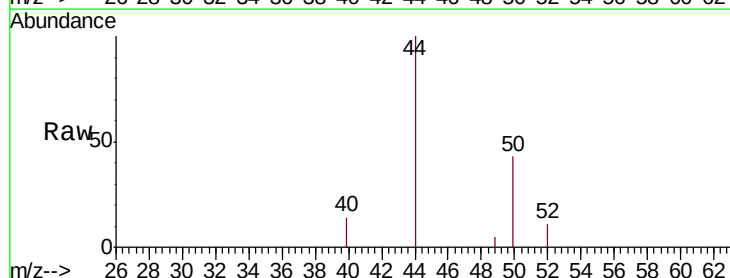
Acq: 2 Aug 2019 10:49

Tgt Ion: 50 Resp: 1867

Ion Ratio Lower Upper

50 100

52 26.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.05

1500

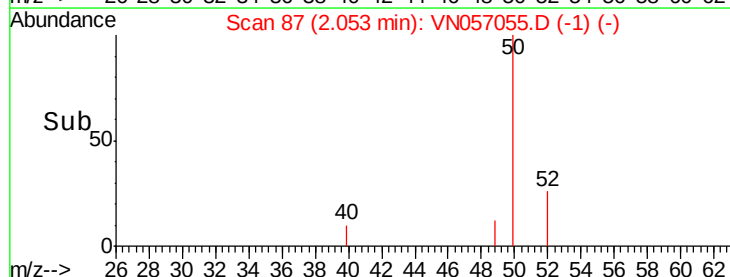
1000

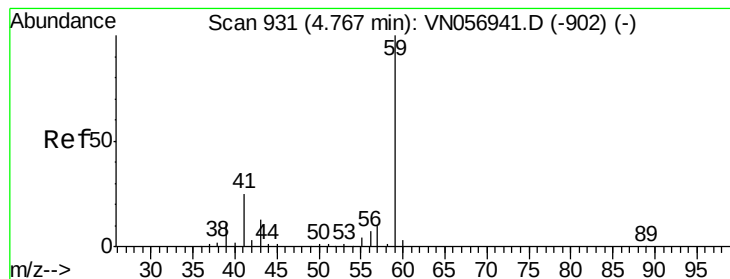
500

0

2.02 2.04 2.06 2.08 2.10

Time-->



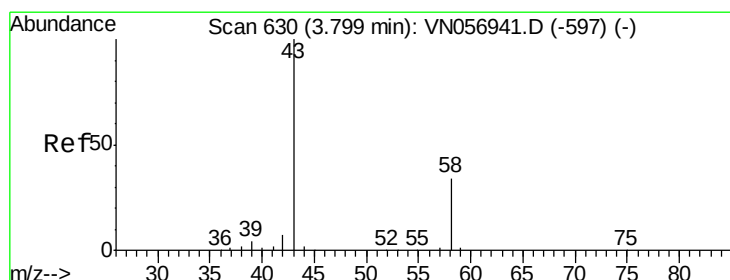
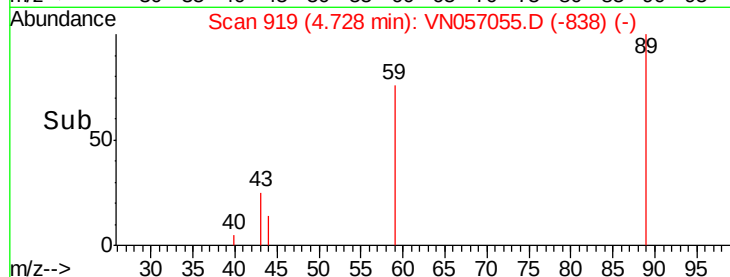
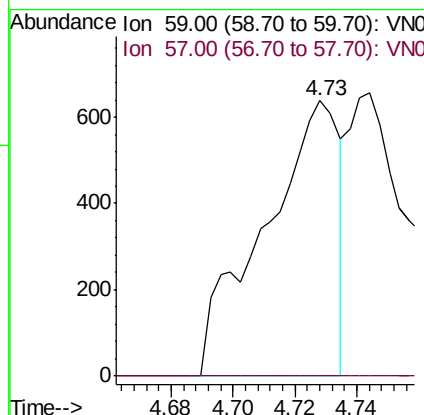
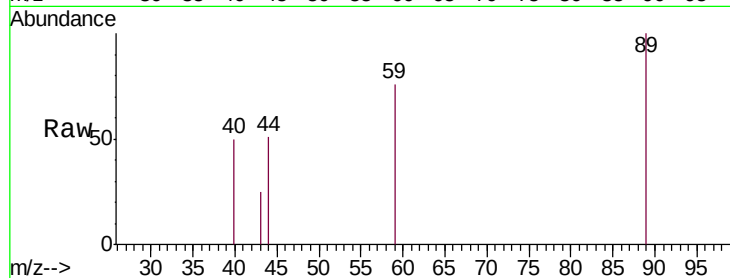


#11

Tert butyl alcohol
 Concen: 1.416 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.04 min
 Lab File: VN057055.D
 Acq: 2 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ13311-20190731

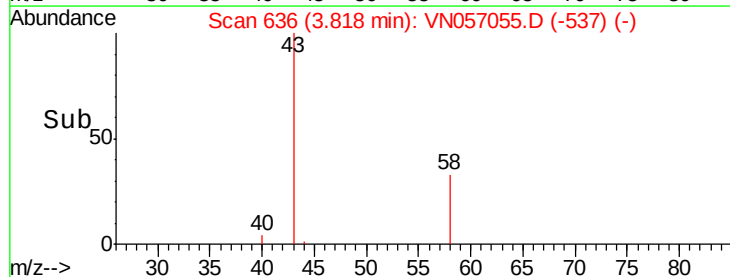
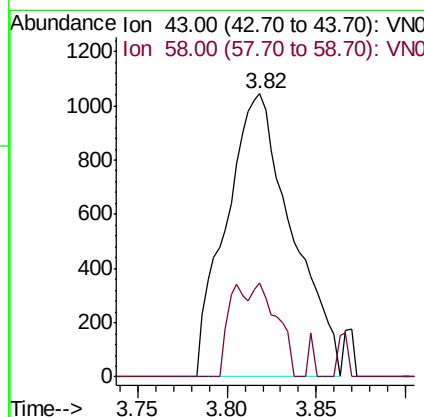
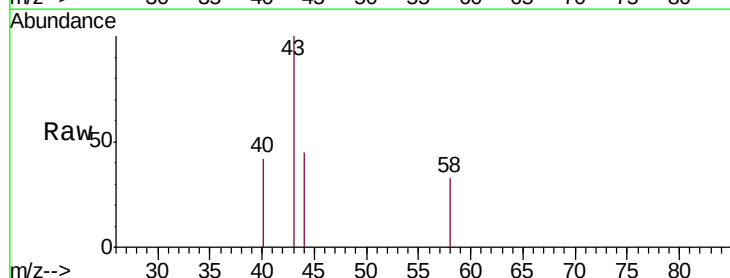
Tgt Ion: 59 Resp: 1079
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

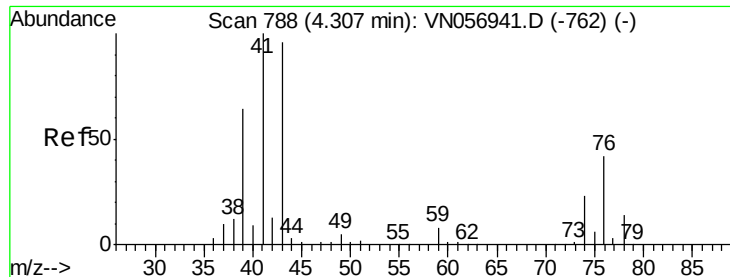


#16

Acetone
 Concen: 1.316 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.02 min
 Lab File: VN057055.D
 Acq: 2 Aug 2019 10:49

Tgt Ion: 43 Resp: 2687
 Ion Ratio Lower Upper
 43 100
 58 33.0 27.2 40.8

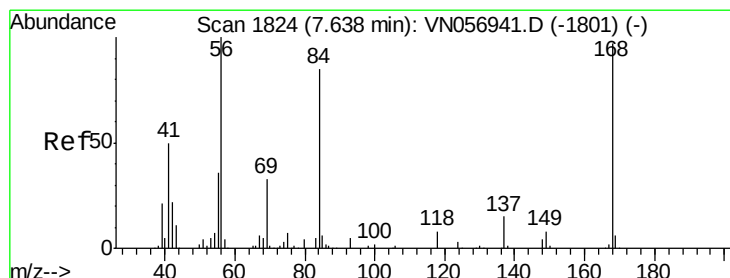
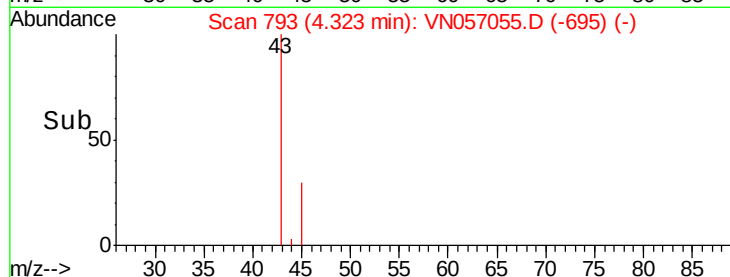
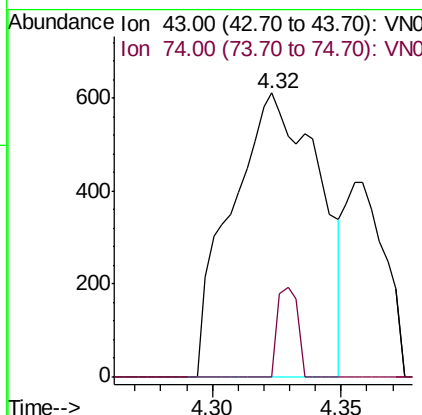
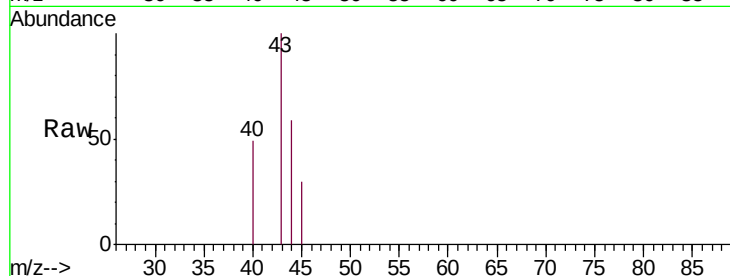




#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.02 min
Lab File: VN057055.D
Acq: 2 Aug 2019 10:49

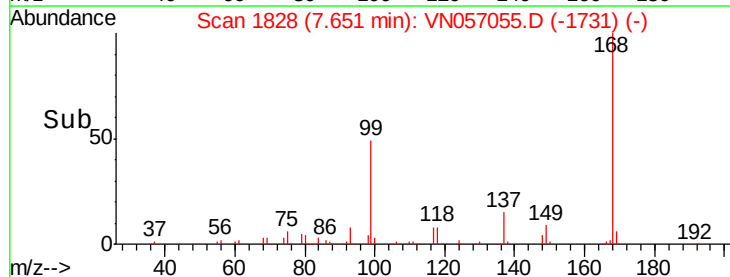
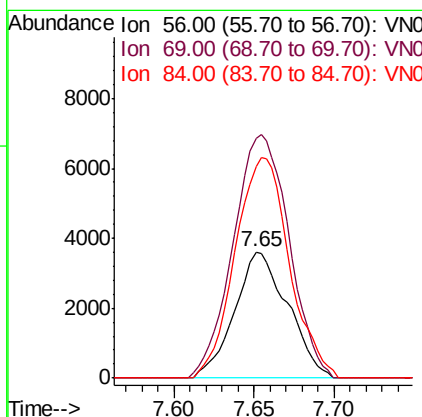
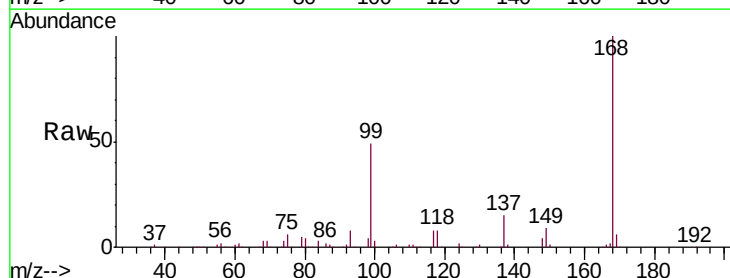
Instrument :
MSVOA_N
ClientSampleId :
SA-PZ13311-20190731

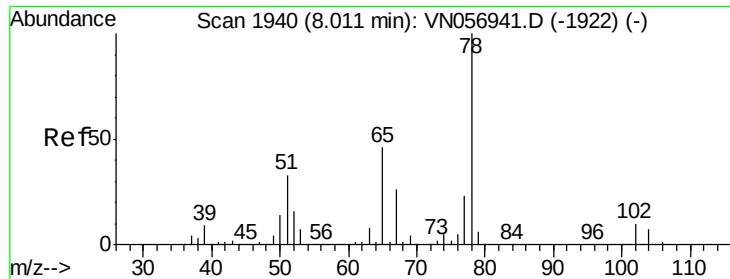
Tgt Ion: 43 Resp: 1441
Ion Ratio Lower Upper
43 100
74 7.2 19.7 29.5#



#31
Cyclohexane
Concen: 0.887 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057055.D
Acq: 2 Aug 2019 10:49

Tgt Ion: 56 Resp: 8217
Ion Ratio Lower Upper
56 100
69 189.7 26.2 39.2#
84 167.4 68.2 102.2#

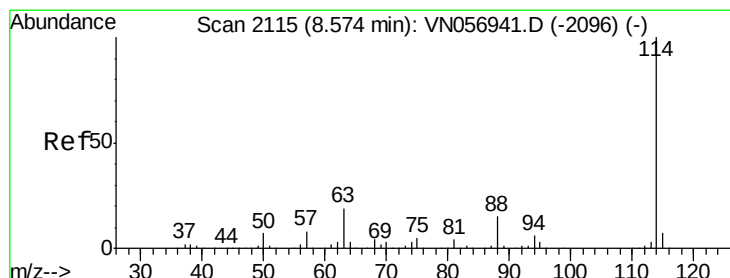
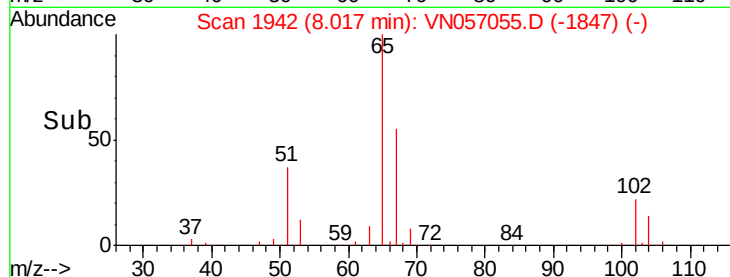
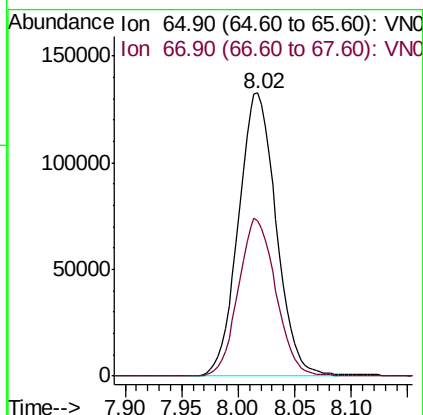
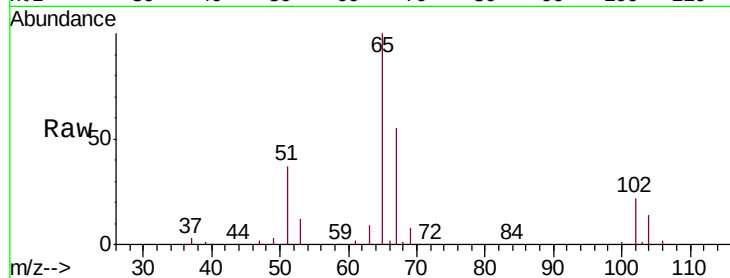




#33
 1,2-Dichloroethane-d4
 Concen: 54.753 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057055.D
 Acq: 2 Aug 2019 10:49

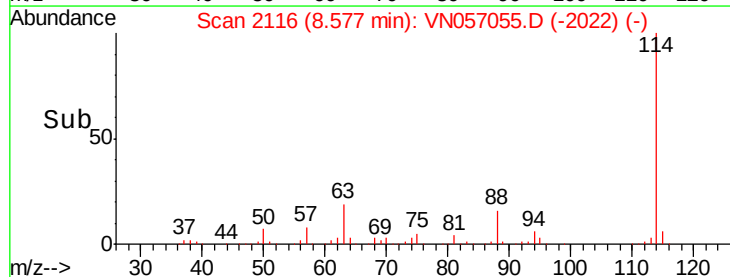
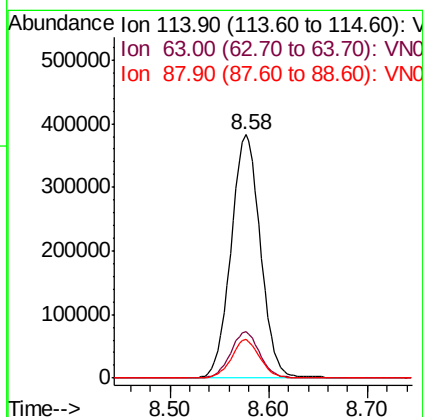
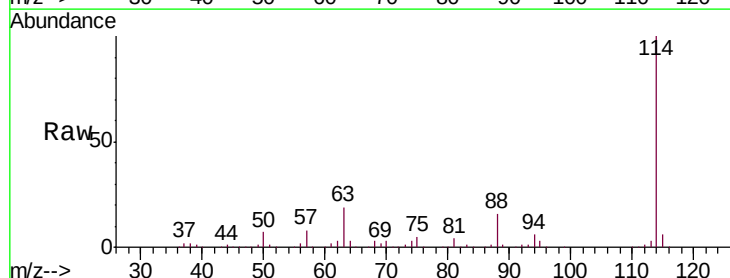
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ133I1-20190731

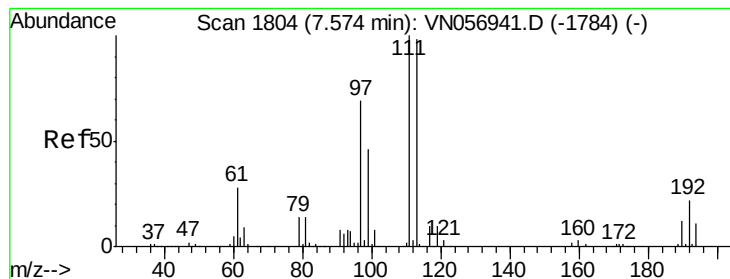
Tgt Ion: 65 Resp: 308579
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057055.D
 Acq: 2 Aug 2019 10:49

Tgt Ion: 114 Resp: 796679
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.0
 88 15.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 55.232 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. 0.01 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ13311-20190731

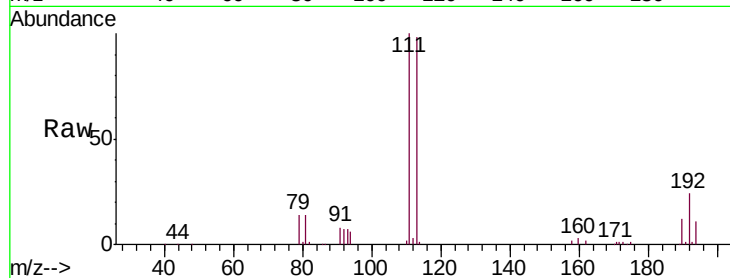
Tgt Ion:113 Resp: 281686

Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

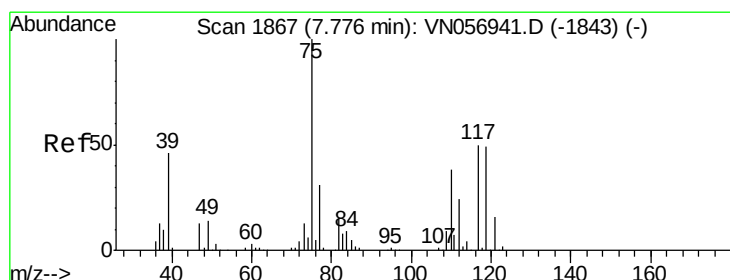
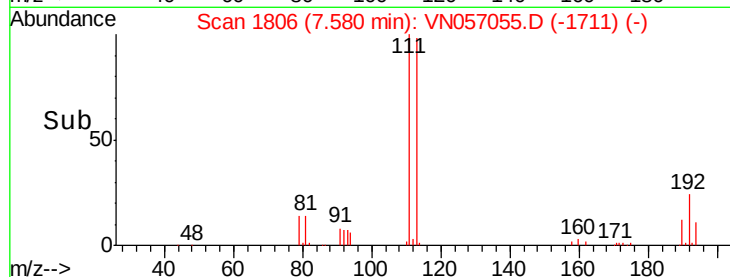
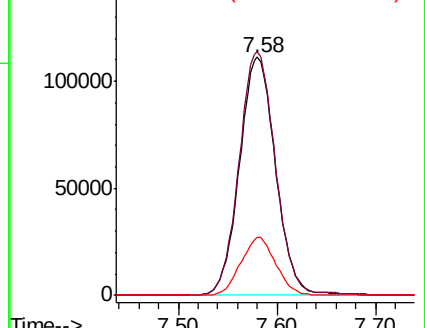
192 23.7 18.4 27.6



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: 4.948 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

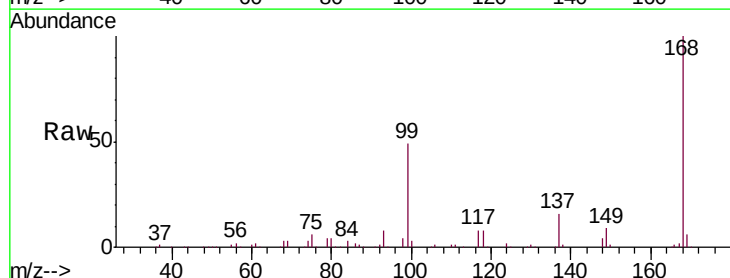
Tgt Ion: 75 Resp: 34684

Ion Ratio Lower Upper

75 100

110 9.0 18.6 55.8#

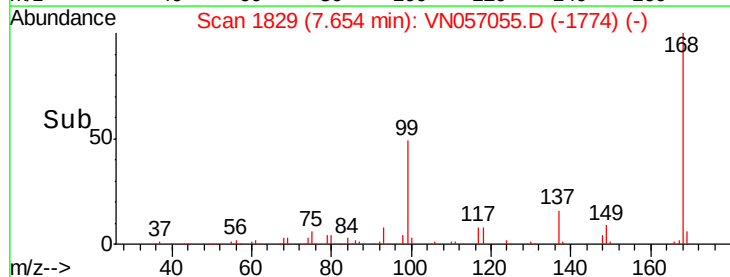
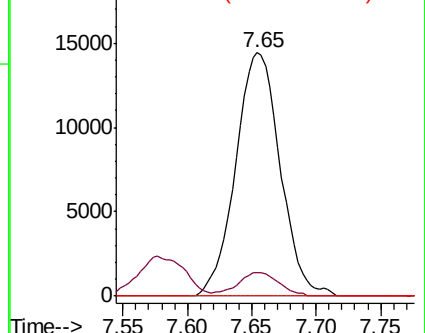
77 0.0 25.2 37.8#

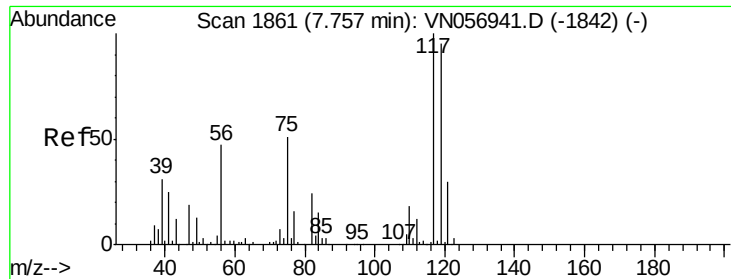


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.071 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ13311-20190731

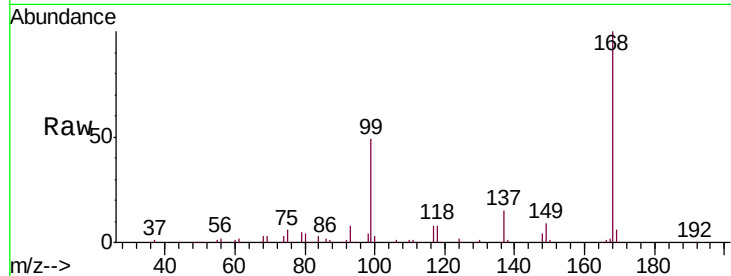
Tgt Ion:117 Resp: 46890

Ion Ratio Lower Upper

117 100

119 5.3 75.3 112.9#

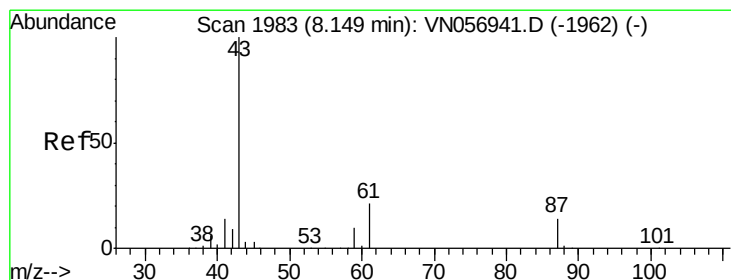
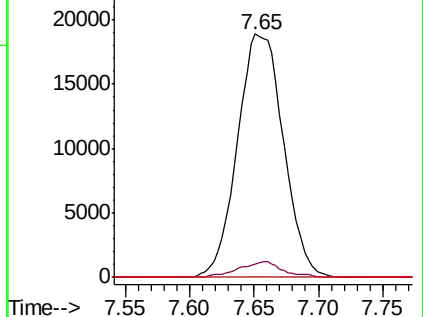
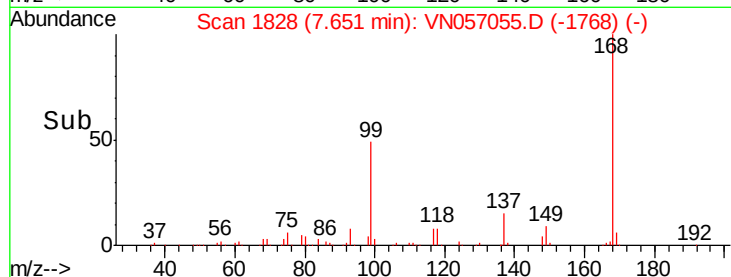
121 0.0 24.2 36.4#



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



#43

Isopropyl Acetate

Concen: 0.787 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.12 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

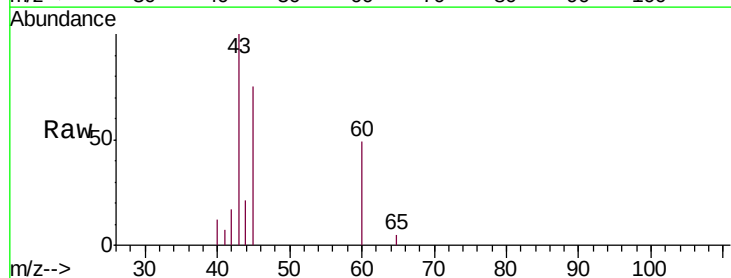
Tgt Ion: 43 Resp: 7302

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

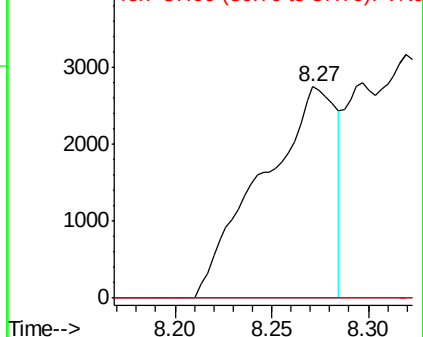
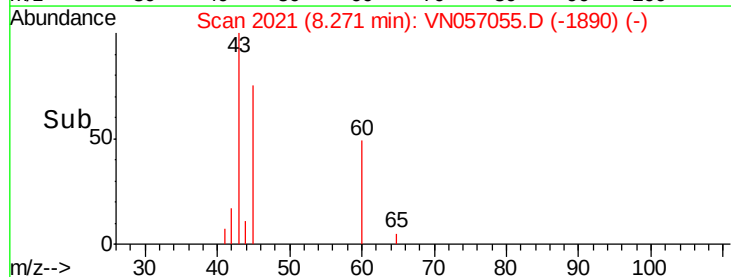
87 0.0 11.7 17.5#

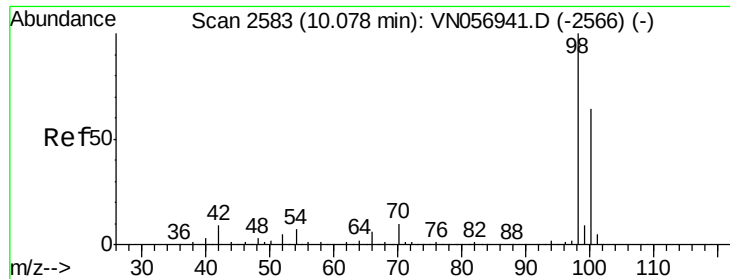


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 54.067 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

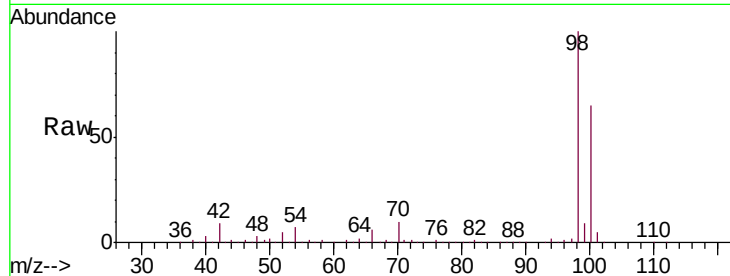
SA-PZ13311-20190731

Tgt Ion: 98 Resp: 1051547

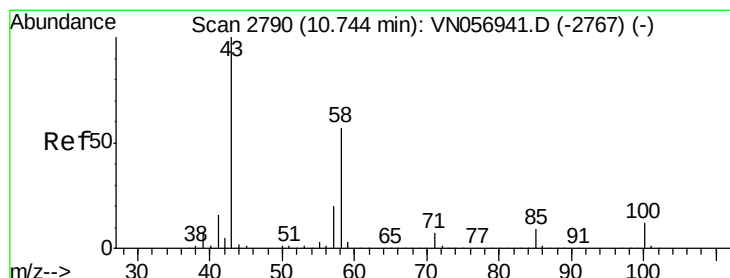
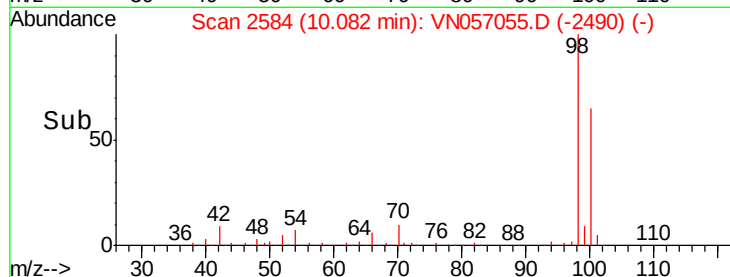
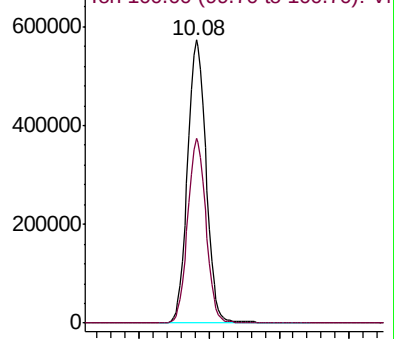
Ion Ratio Lower Upper

98 100

100 64.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)



#59

2-Hexanone

Concen: 2.516 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN057055.D

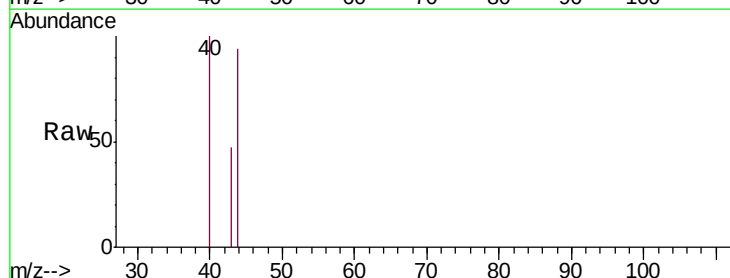
Acq: 2 Aug 2019 10:49

Tgt Ion: 43 Resp: 70

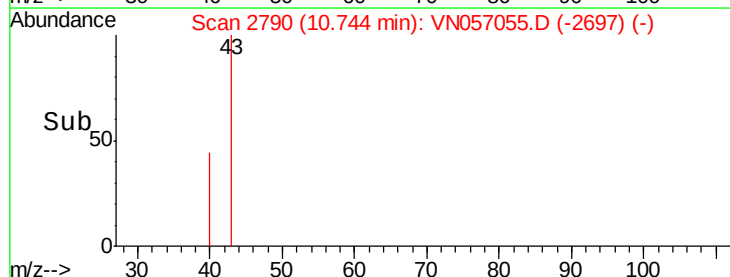
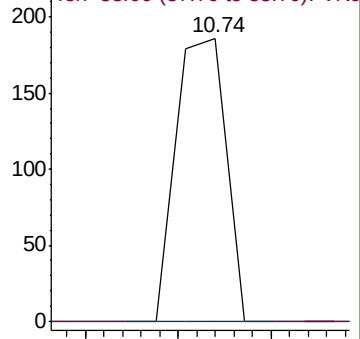
Ion Ratio Lower Upper

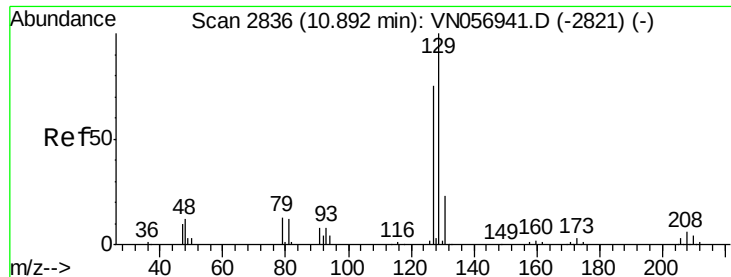
43 100

58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2767) (-)

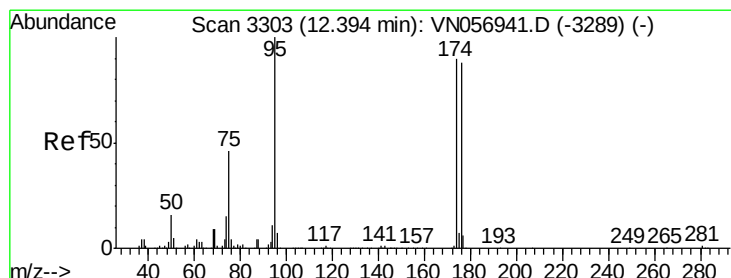
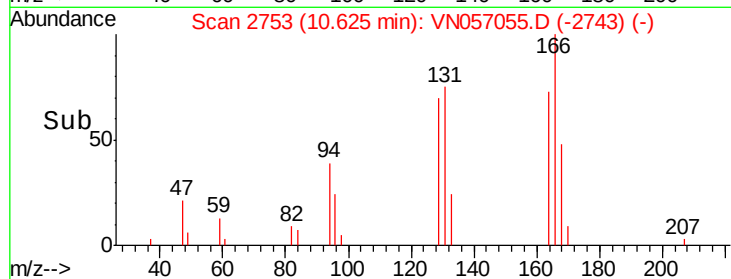
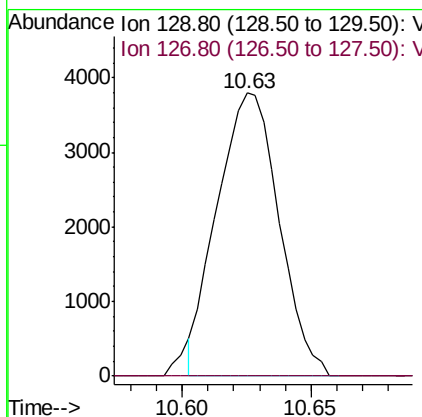
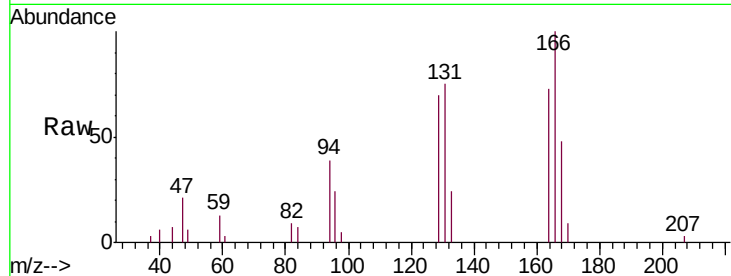




#60
 Dibromochloromethane
 Concen: 1.188 ug/l
 RT: 10.63 min Scan# 2753
 Delta R.T. -0.27 min
 Lab File: VN057055.D
 Acq: 2 Aug 2019 10:49

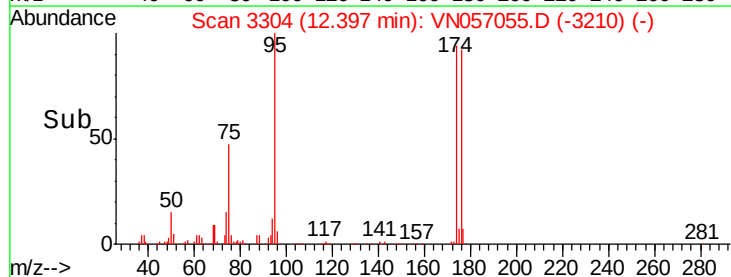
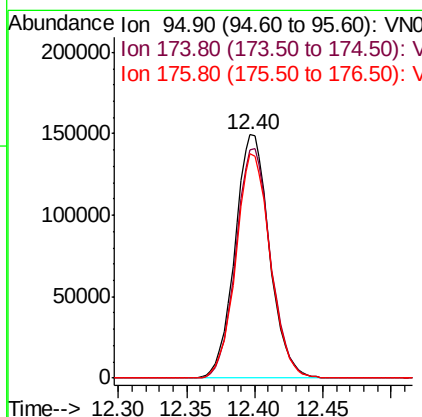
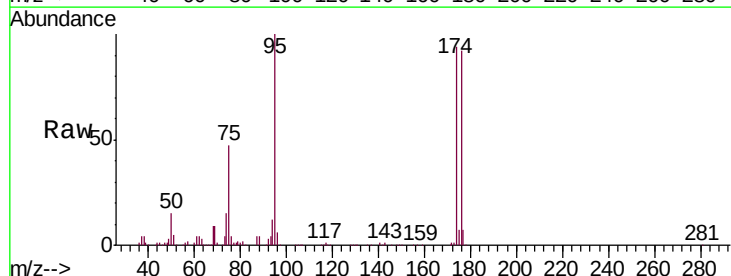
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ13311-20190731

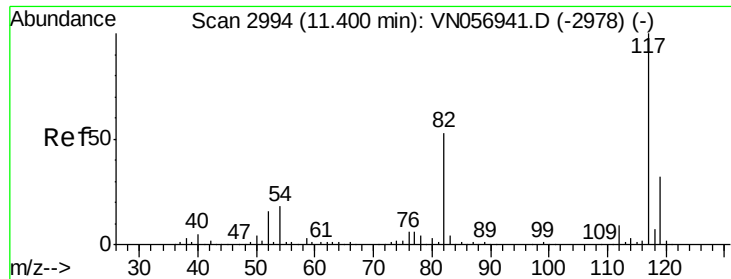
Tgt Ion: 129 Resp: 6330
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.0 113.9#



#62
 4-Bromofluorobenzene
 Concen: 41.521 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057055.D
 Acq: 2 Aug 2019 10:49

Tgt Ion: 95 Resp: 262888
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 182.2
 176 91.7 0.0 179.4

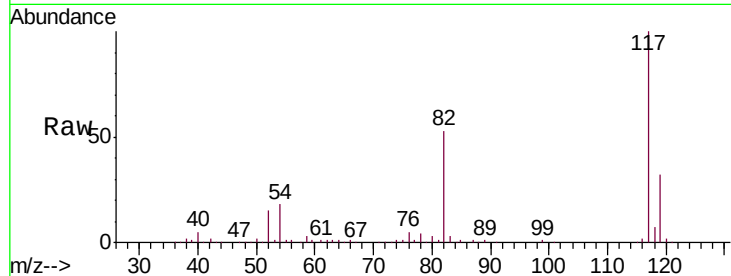




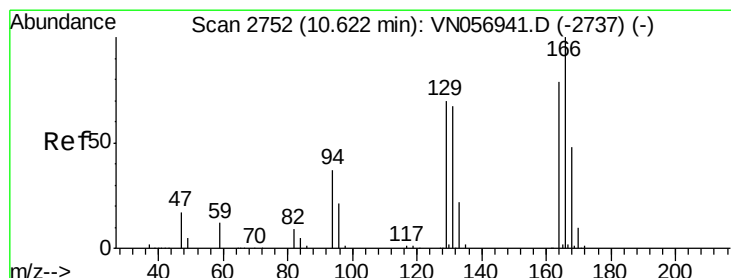
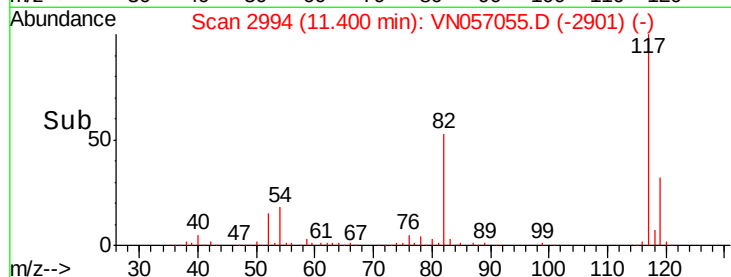
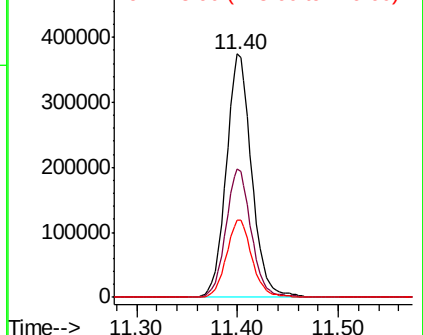
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057055.D
Acq: 2 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ13311-20190731

Tgt Ion:117 Resp: 655580
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 31.7 25.8 38.6

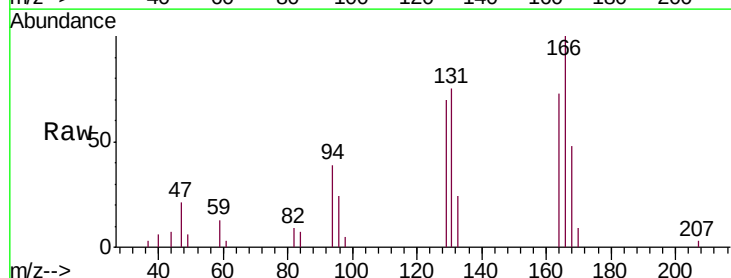


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

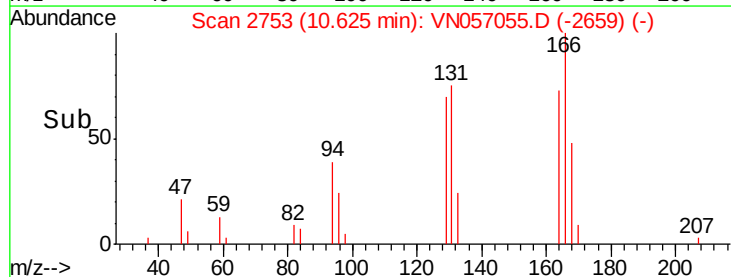
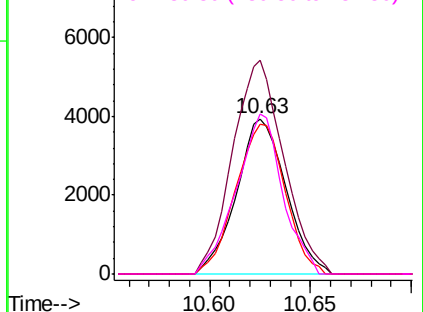


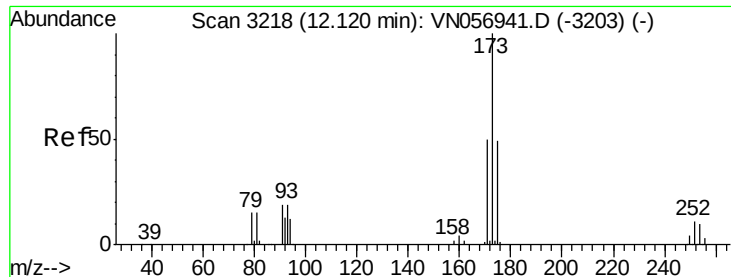
#64
Tetrachloroethene
Concen: 1.199 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057055.D
Acq: 2 Aug 2019 10:49

Tgt Ion:164 Resp: 6775
Ion Ratio Lower Upper
164 100
166 137.8 101.1 151.7
129 96.4 70.9 106.3
131 103.6 67.7 101.5#



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: 0.645 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.27 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ13311-20190731

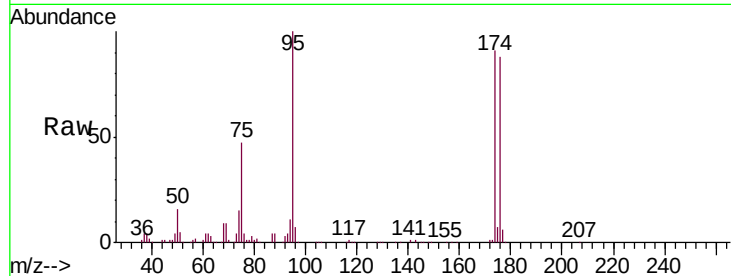
Tgt Ion:173 Resp: 2266

Ion Ratio Lower Upper

173 100

175 642.2 24.1 72.4#

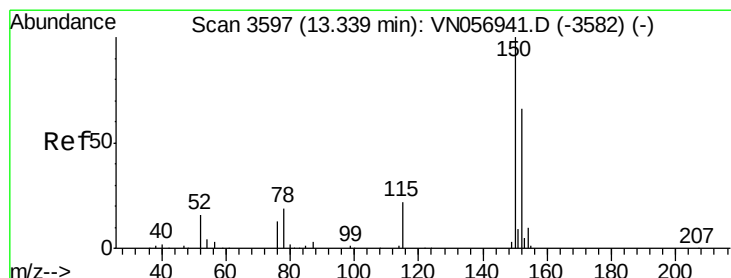
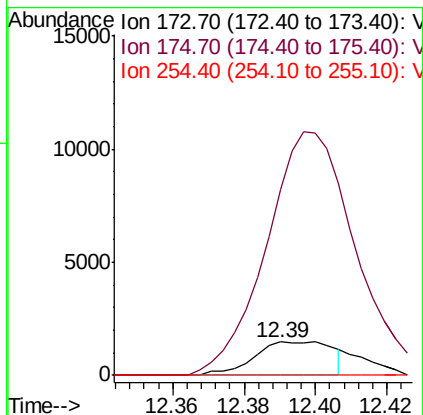
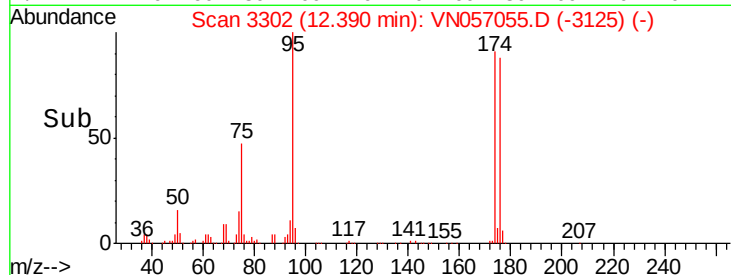
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

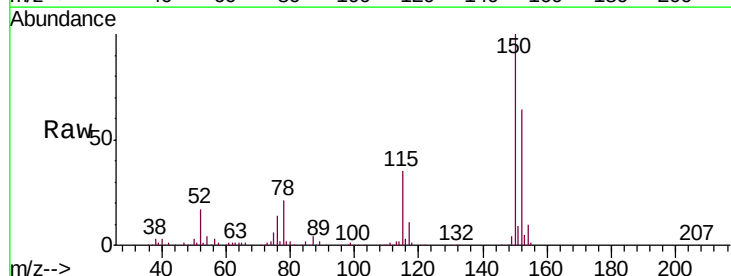
Tgt Ion:152 Resp: 168489

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

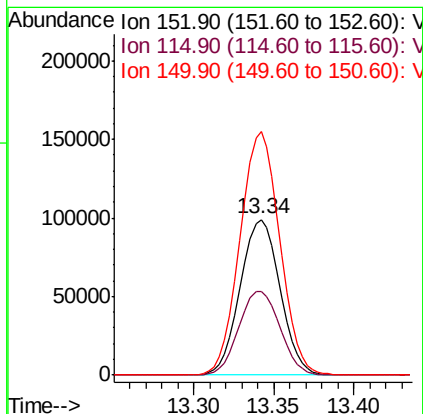
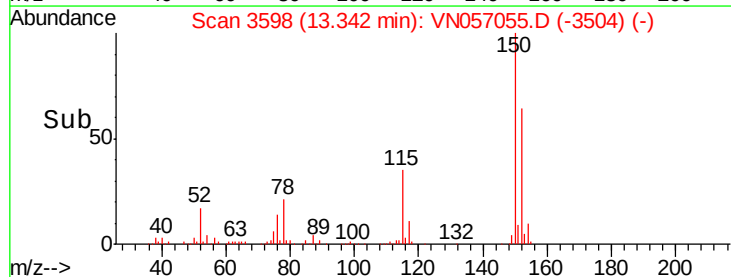
150 156.0 0.0 349.4

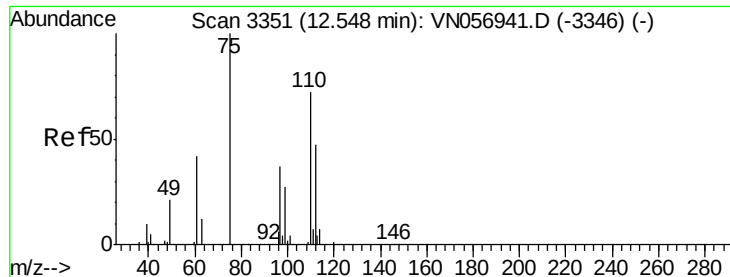


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.477 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

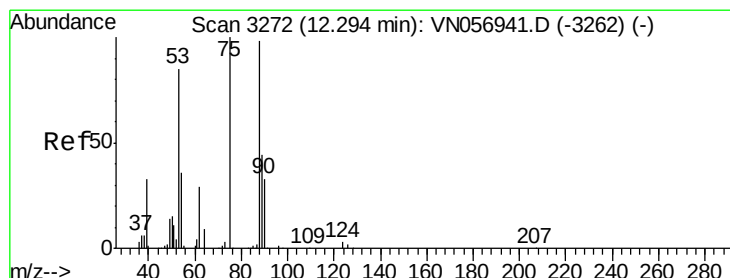
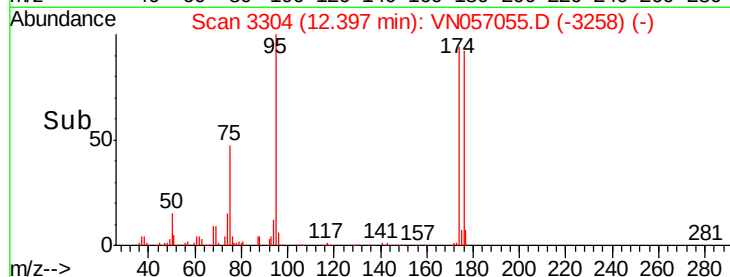
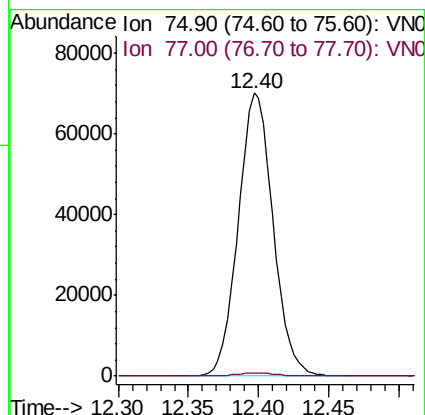
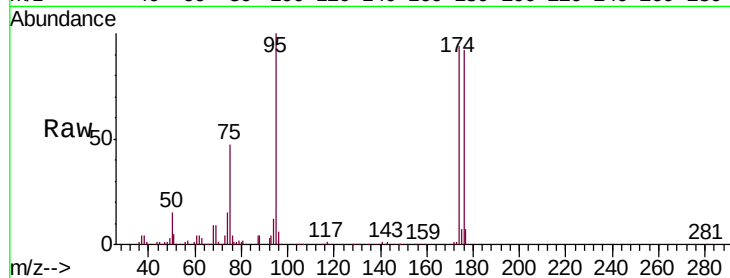
SA-PZ13311-20190731

Tgt Ion: 75 Resp: 121393

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.987 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

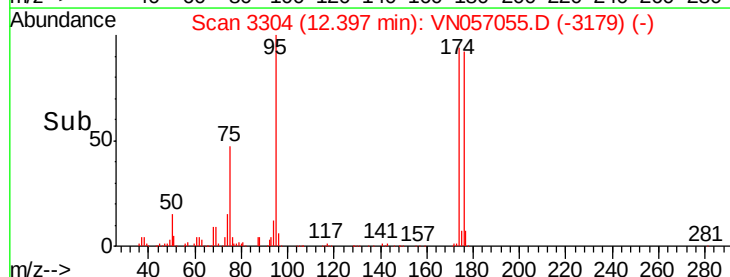
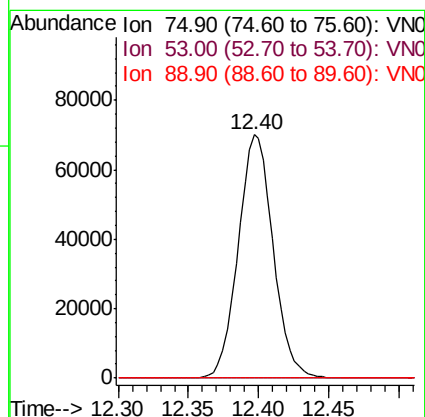
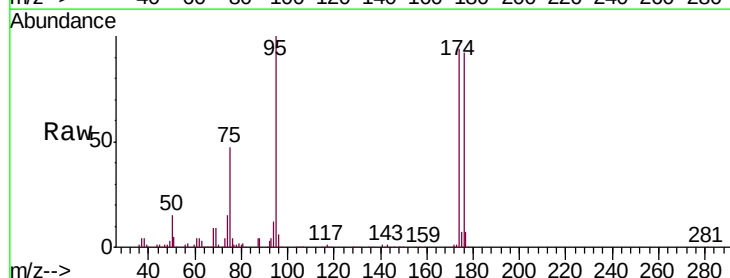
Tgt Ion: 75 Resp: 121393

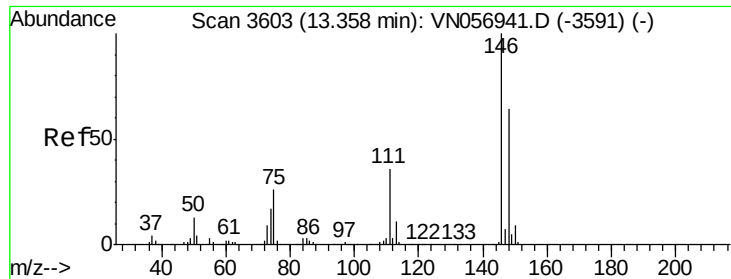
Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

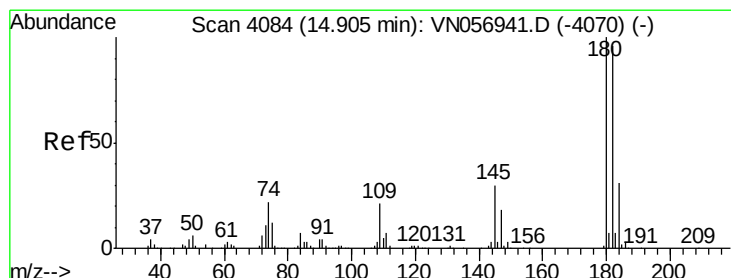
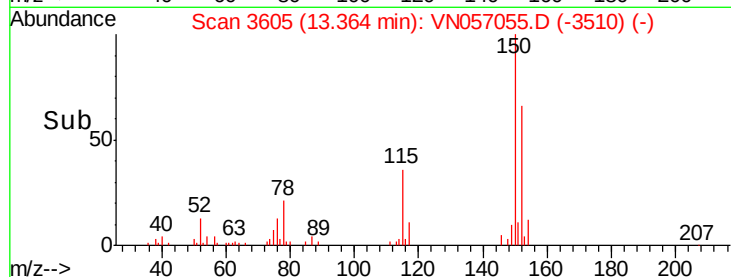
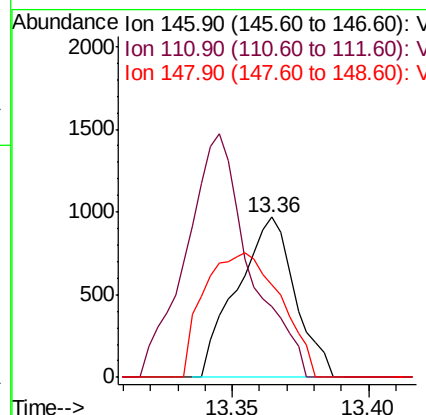
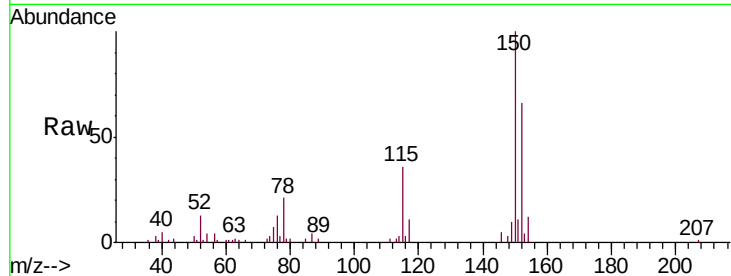




#88
 1,4-Dichlorobenzene
 Concen: 0.256 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.01 min
 Lab File: VN057055.D
 Acq: 2 Aug 2019 10:49

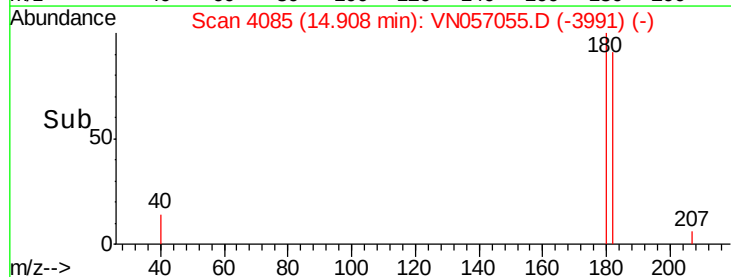
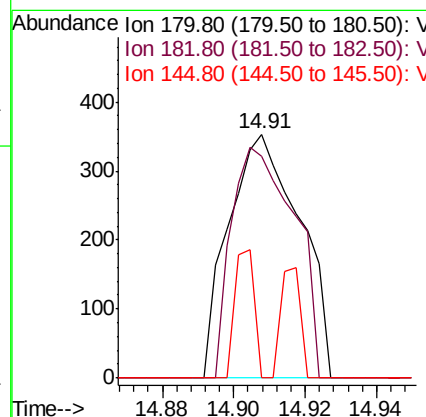
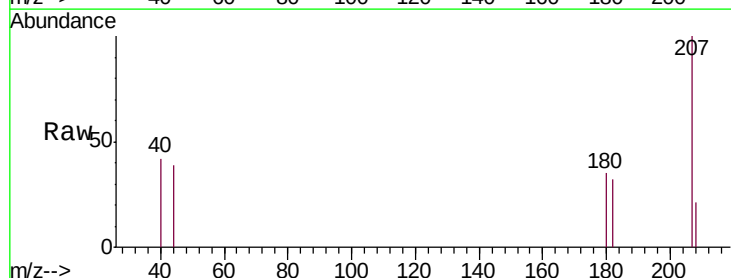
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ13311-20190731

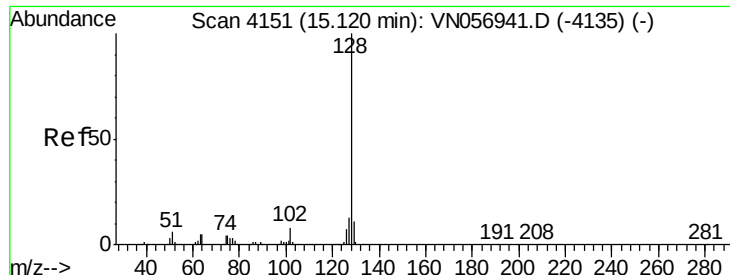
Tgt Ion:146 Resp: 1426
 Ion Ratio Lower Upper
 146 100
 111 166.5 18.4 55.2#
 148 102.5 32.3 96.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.869 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057055.D
 Acq: 2 Aug 2019 10:49

Tgt Ion:180 Resp: 487
 Ion Ratio Lower Upper
 180 100
 182 84.0 47.6 142.8
 145 14.4 14.2 42.8





#95

Naphthalene

Concen: 3.649 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.01 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ13311-20190731

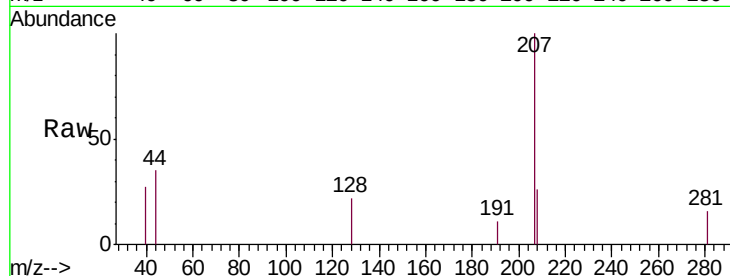
Tgt Ion:128 Resp: 473

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13

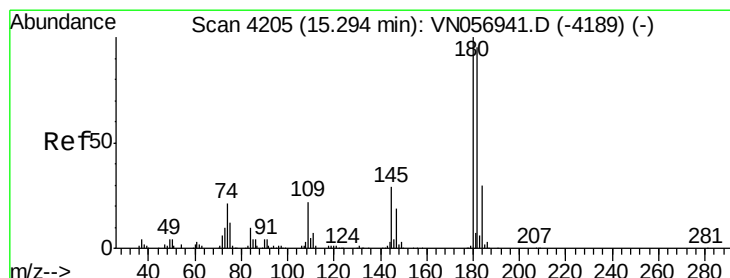
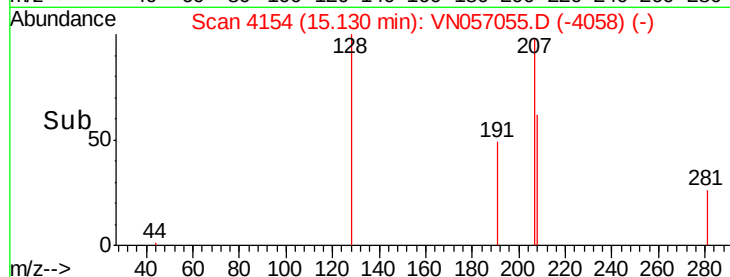
300

200

100

0

Time--> 15.10 15.12 15.14 15.16



#96

1,2,3-Trichlorobenzene

Concen: 2.172 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057055.D

Acq: 2 Aug 2019 10:49

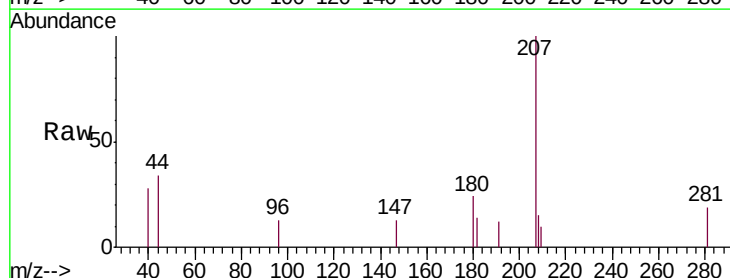
Tgt Ion:180 Resp: 379

Ion Ratio Lower Upper

180 100

182 64.6 48.0 144.2

145 0.0 15.0 45.0#



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

15.29

500

400

300

200

100

0

Time--> 15.26 15.28 15.30 15.32

