

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057086.D
 Acq On : 5 Aug 2019 16:48
 Operator : JC/SP
 Sample : K4130-38
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 06 01:11:42 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

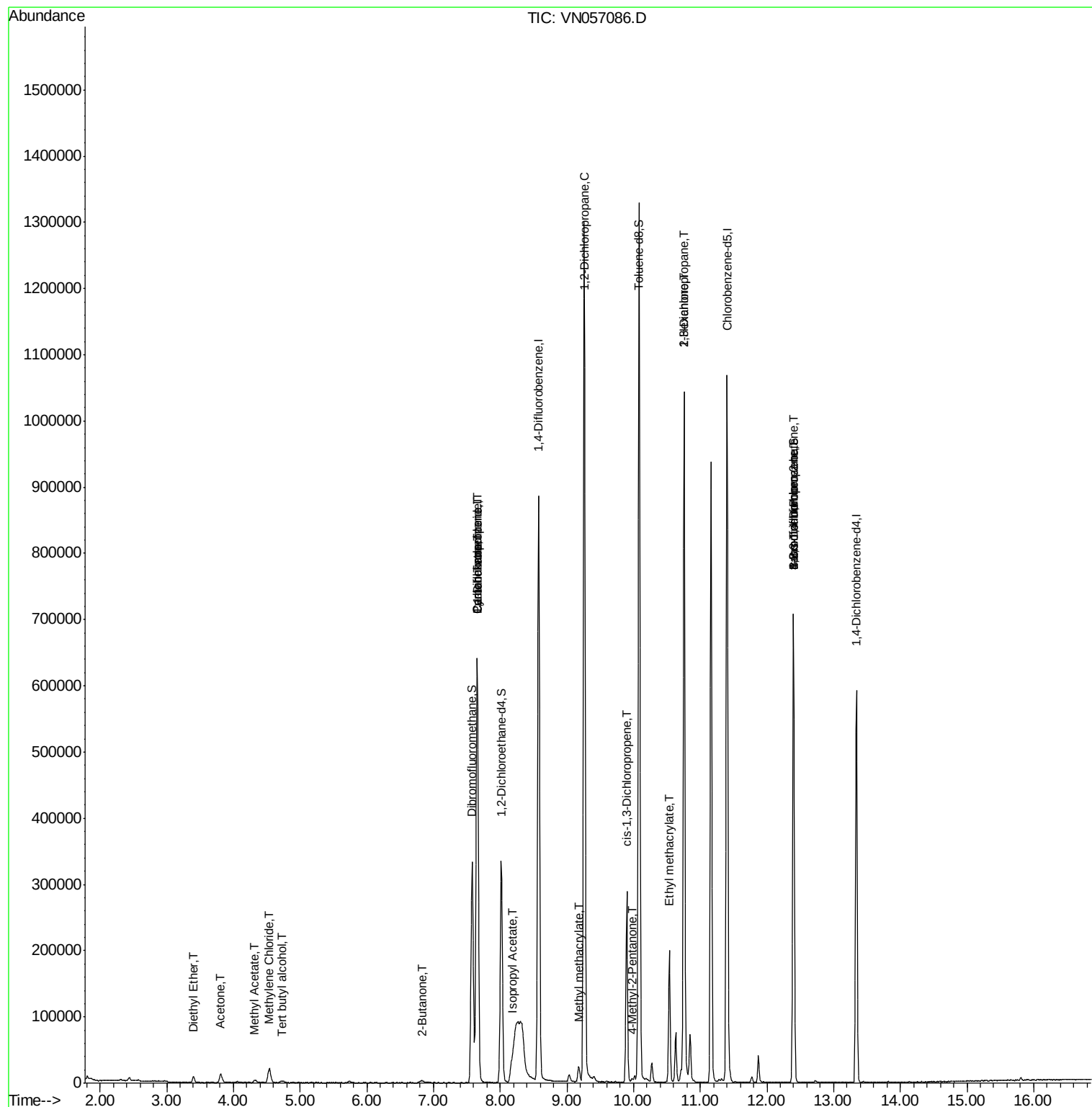
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	573894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	833849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	689494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178980	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	284952	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.58	113	255850	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	10.08	98	974876	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.40	95	255934	38.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.24%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.40	74	4838	1.516	ug/l	98
11) Tert butyl alcohol	4.73	59	3236	4.075	ug/l #	74
16) Acetone	3.81	43	24131	11.338	ug/l	98
18) Methyl Acetate	4.32	43	8539	1.258	ug/l #	76
20) Methylene Chloride	4.54	84	17270	2.817	ug/l	94
25) 2-Butanone	6.83	43	1315	0.436	ug/l #	54
31) Cyclohexane	7.65	56	8457	0.876	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34671	4.725	ug/l #	49
38) Carbon Tetrachloride	7.66	117	50358	7.256	ug/l #	17
43) Isopropyl Acetate	8.17	43	25313	2.606	ug/l #	82
45) 1,2-Dichloropropane	9.26	63	1642	0.272	ug/l #	44
48) Methyl methacrylate	9.17	41	8155	1.739	ug/l #	12
51) 4-Methyl-2-Pentanone	9.98	43	3118	0.540	ug/l	92
54) cis-1,3-Dichloropropene	9.90	75	56060	6.483	ug/l #	63
56) Ethyl methacrylate	10.53	69	843	1.859	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	10732	1.189	ug/l #	42
59) 2-Hexanone	10.76	43	144541	34.698	ug/l #	51
71) Bromoform	12.40	173	2238	0.606	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	115380	31.743	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	115380	101.990	ug/l #	15

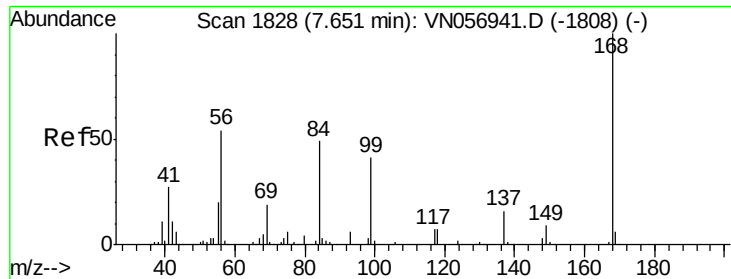
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057086.D

Acq: 5 Aug 2019 16:48

Instrument :

MSVOA_N

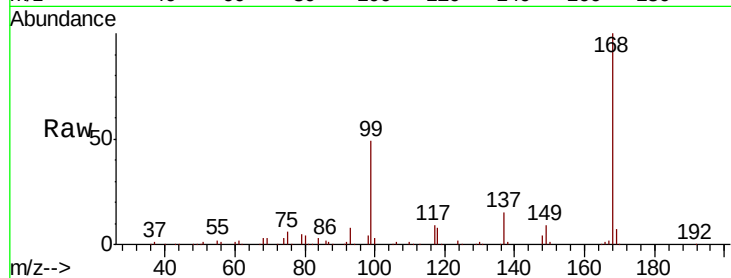
ClientSampleId :

Tot Ion:168 Resp: 573894

Ion Ratio Lower Upper

168 100

99 49.0 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.66

250000

200000

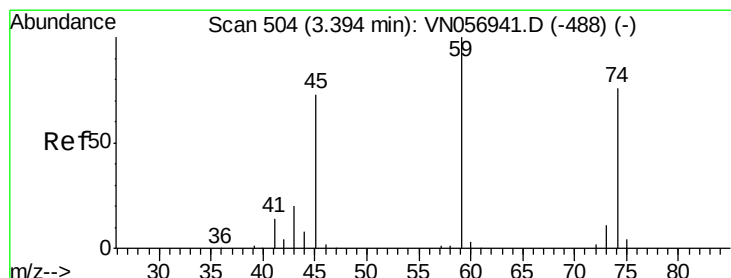
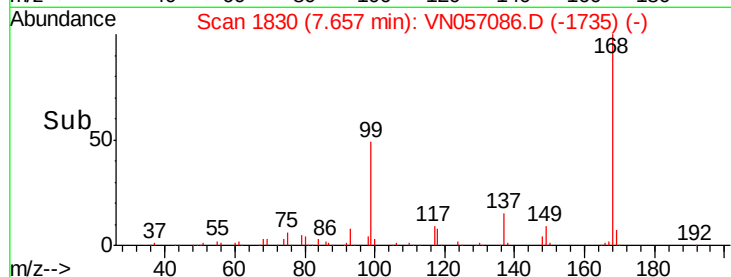
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.516 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.01 min

Lab File: VN057086.D

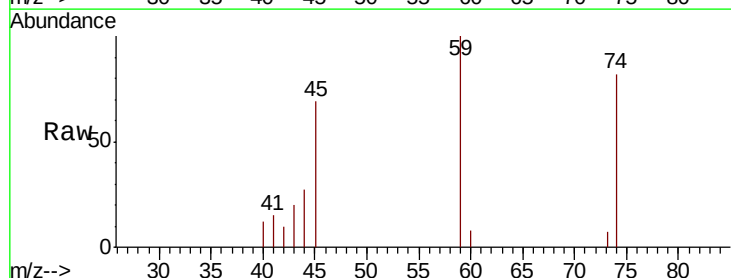
Acq: 5 Aug 2019 16:48

Tgt Ion: 74 Resp: 4838

Ion Ratio Lower Upper

74 100

45 98.1 48.1 144.3



Abundance Ion 74.00 (73.70 to 74.70): VN056941.D (-488) (-)

Ion 45.00 (44.70 to 45.70): VN056941.D (-488) (-)

3.40

2500

2000

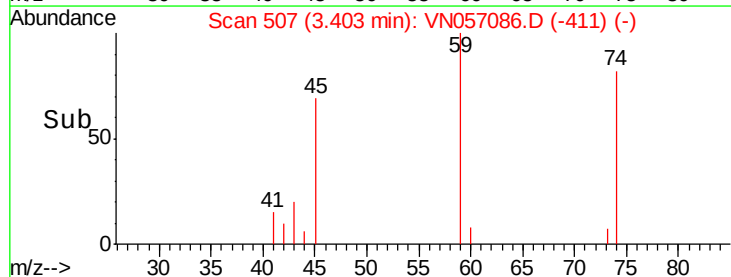
1500

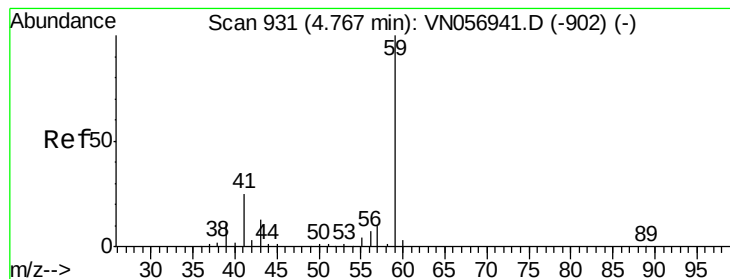
1000

500

0

Time-->



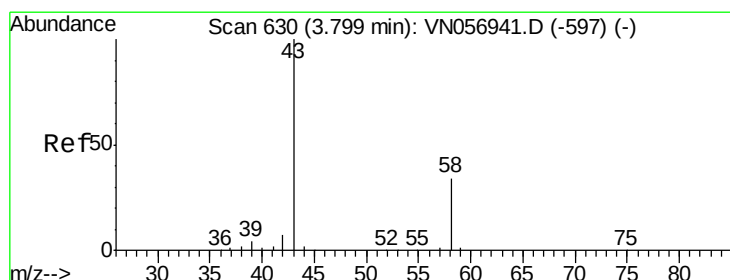
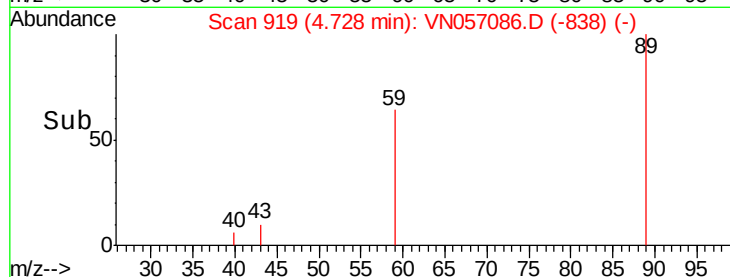
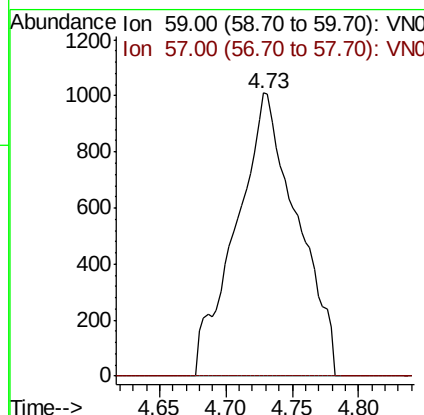
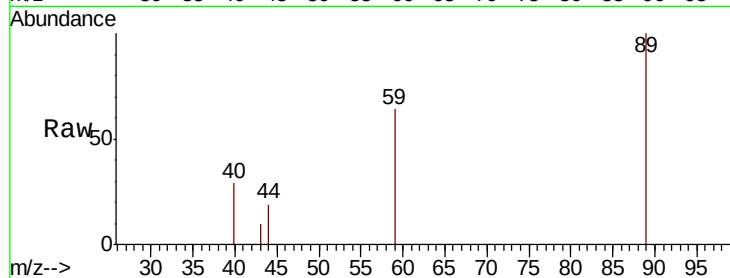


#11

Tert butyl alcohol
 Concen: 4.075 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.04 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

Instrument :
 MSVOA_N
 ClientSampleId :

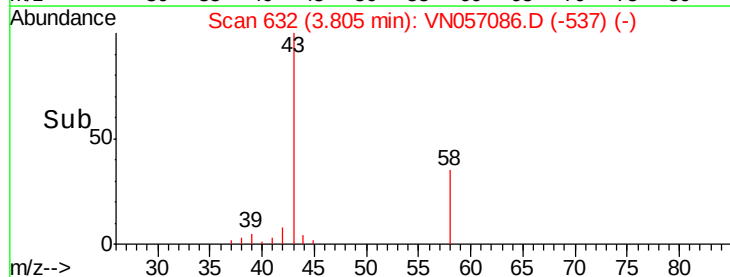
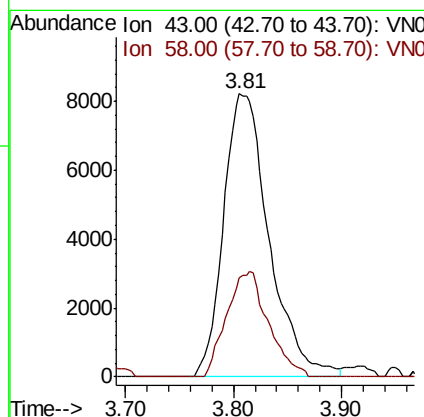
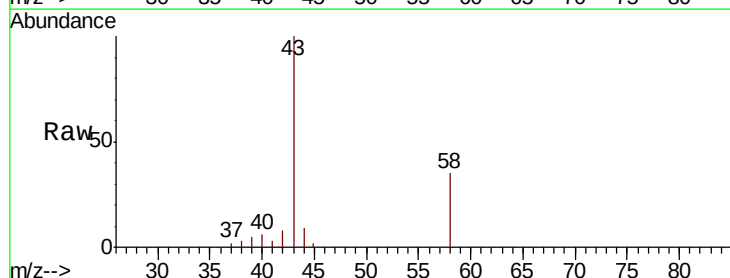
Tot Ion: 59 Resp: 3236
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

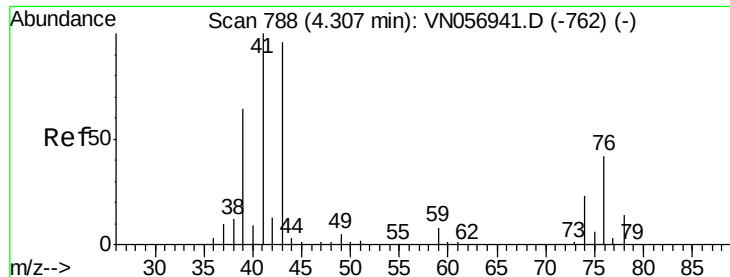


#16

Acetone
 Concen: 11.338 ug/l
 RT: 3.81 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

Tgt Ion: 43 Resp: 24131
 Ion Ratio Lower Upper
 43 100
 58 35.0 27.2 40.8

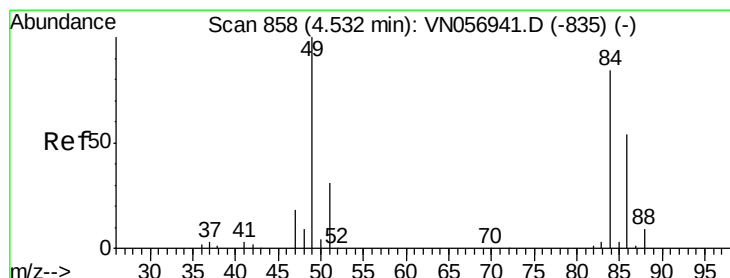
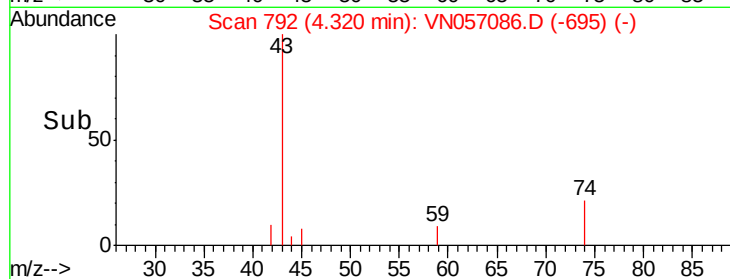
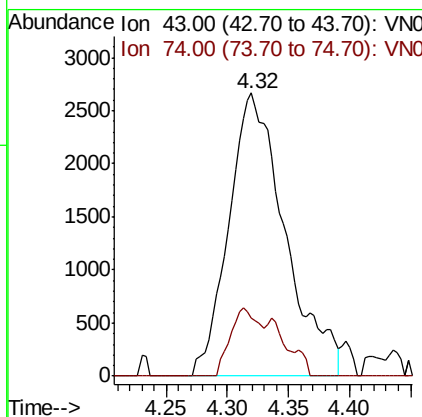
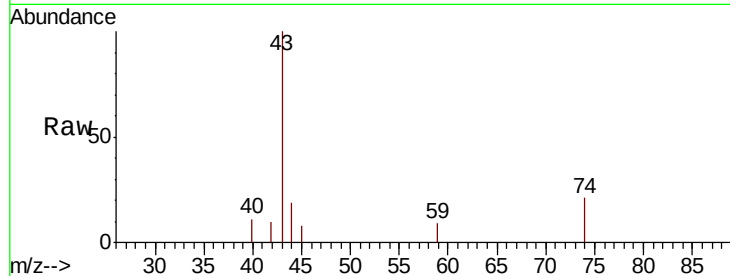




#18
Methyl Acetate
Concen: 1.258 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN057086.D
Acq: 5 Aug 2019 16:48

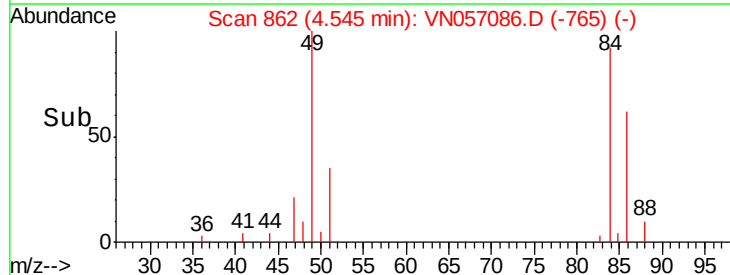
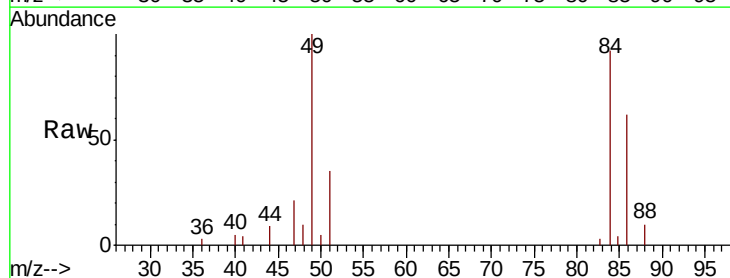
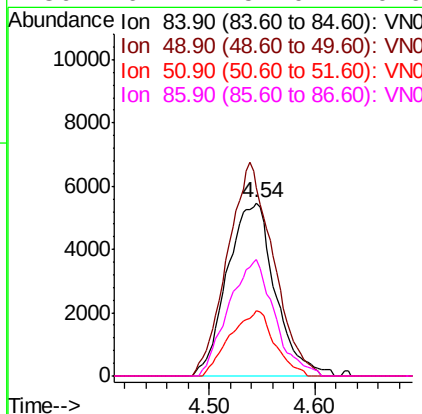
Instrument :
MSVOA_N
ClientSampled :

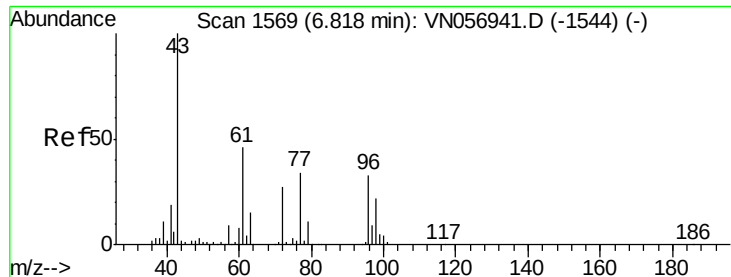
Tot Ion: 43 Resp: 8539
Ion Ratio Lower Upper
43 100
74 12.5 19.7 29.5#



#20
Methylene Chloride
Concen: 2.817 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN057086.D
Acq: 5 Aug 2019 16:48

Tgt Ion: 84 Resp: 17270
Ion Ratio Lower Upper
84 100
49 108.8 95.2 142.8
51 37.9 29.7 44.5
86 67.1 51.0 76.6





#25

2-Butanone

Concen: 0.436 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN057086.D

Acq: 5 Aug 2019 16:48

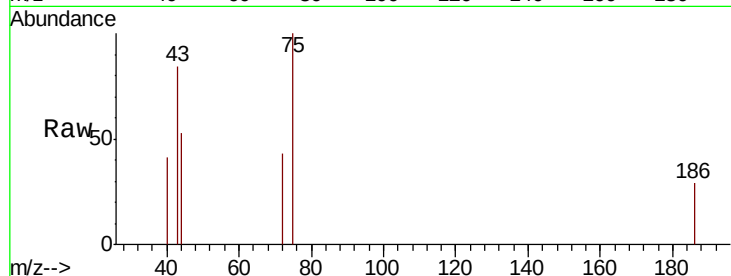
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1315

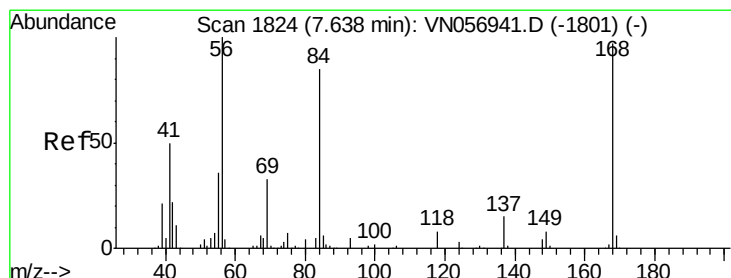
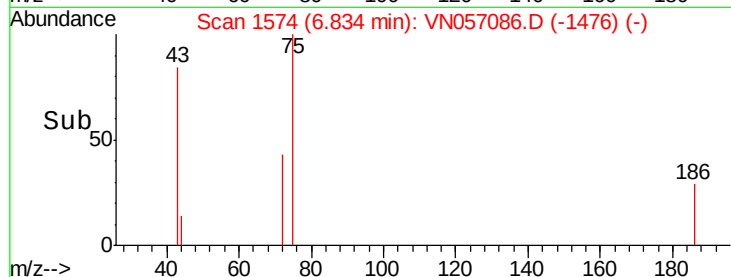
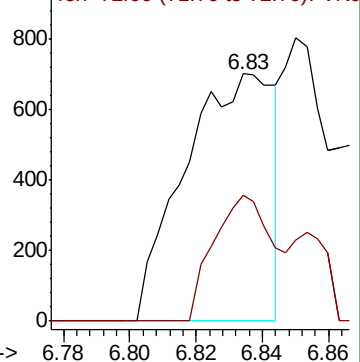
Ion Ratio Lower Upper

43 100

72 50.8 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.876 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057086.D

Acq: 5 Aug 2019 16:48

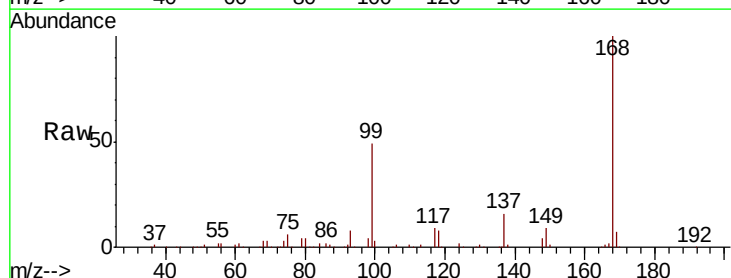
Tgt Ion: 56 Resp: 8457

Ion Ratio Lower Upper

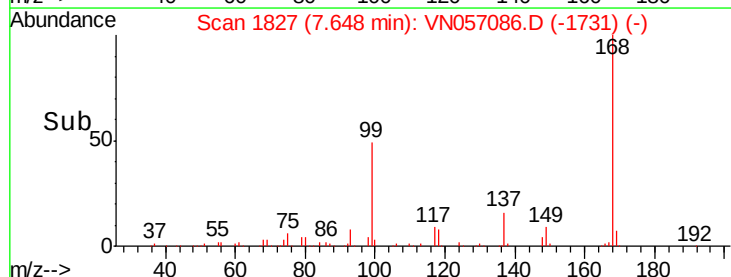
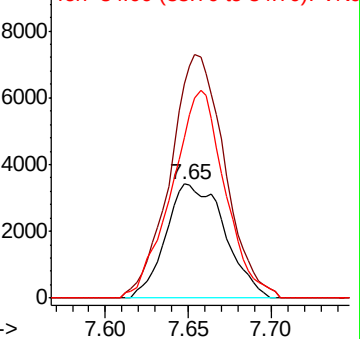
56 100

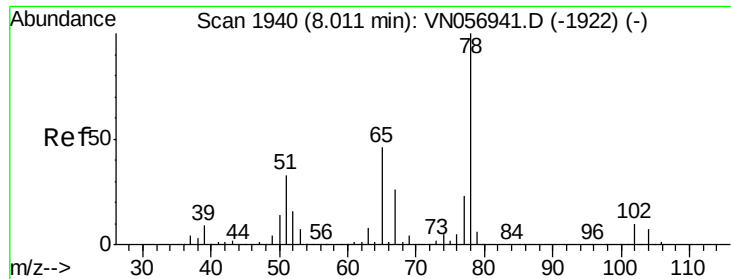
69 184.0 26.2 39.2#

84 136.1 68.2 102.2#



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

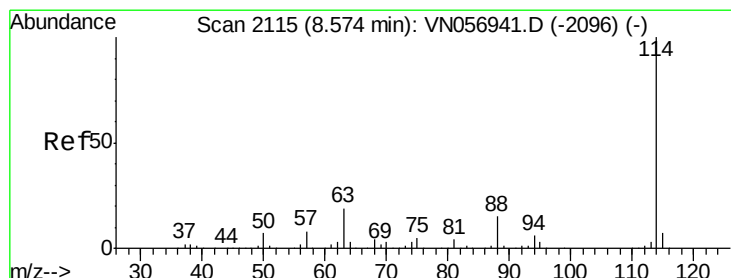
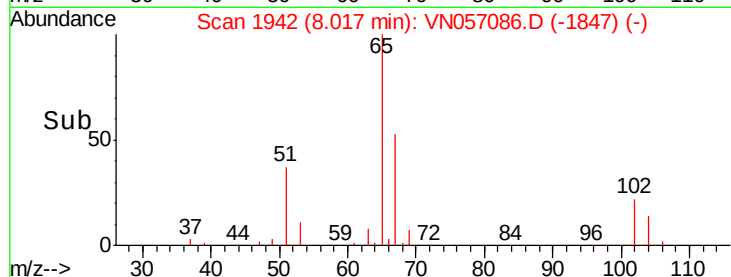
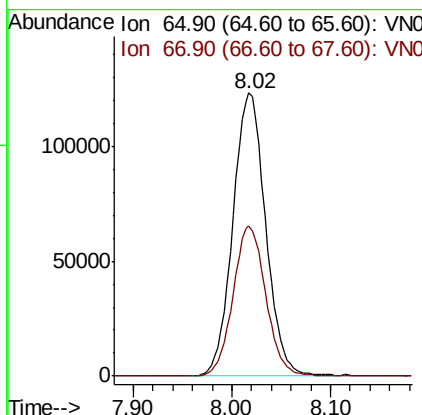
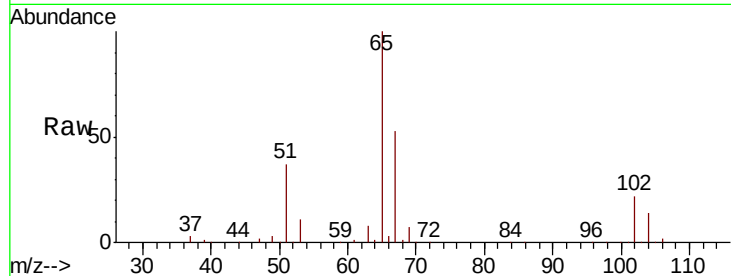




#33
 1,2-Dichloroethane-d4
 Concen: 48.506 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

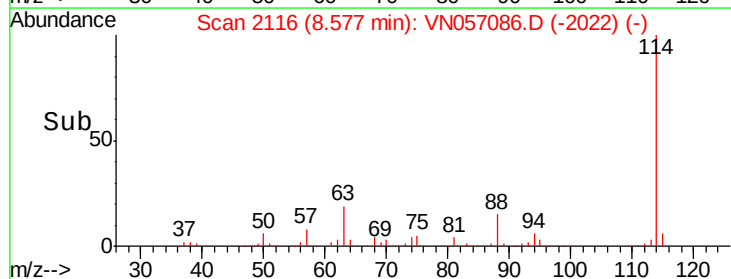
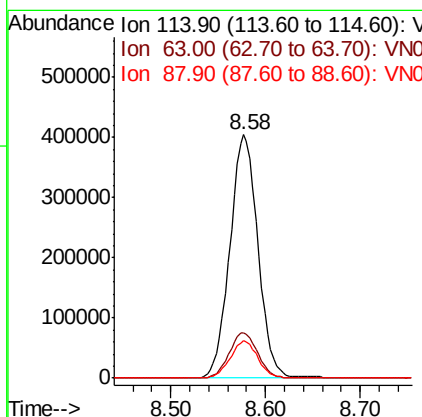
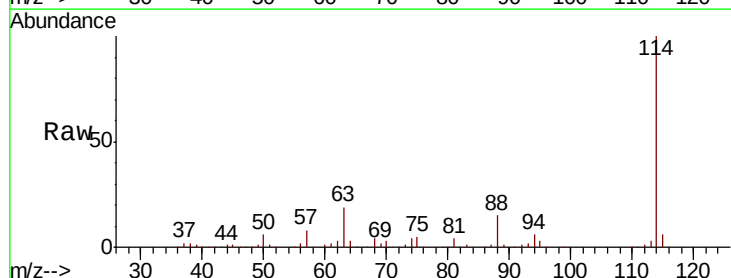
Instrument :
 MSVOA_N
 ClientSampled :

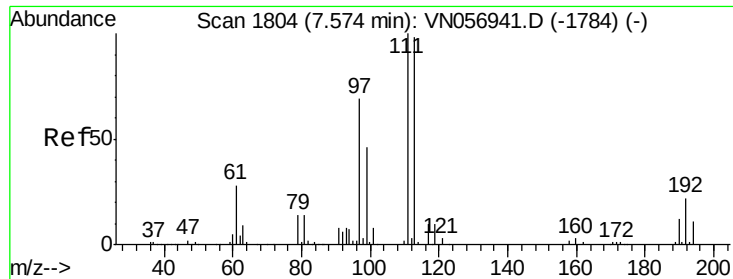
Tot Ion: 65 Resp: 284952
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

Tgt Ion: 114 Resp: 833849
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.0
 88 15.2 0.0 30.0

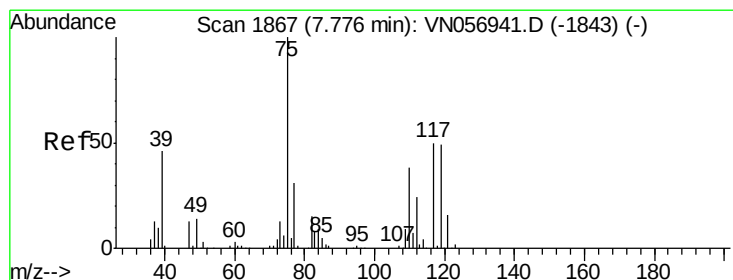
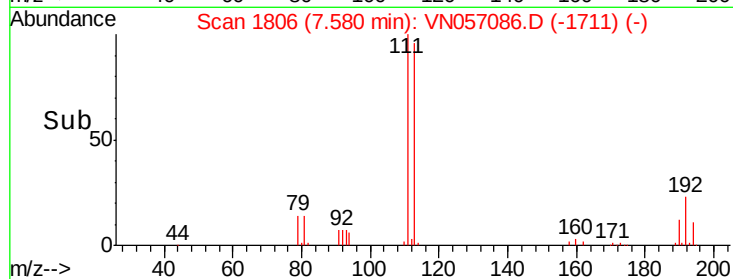
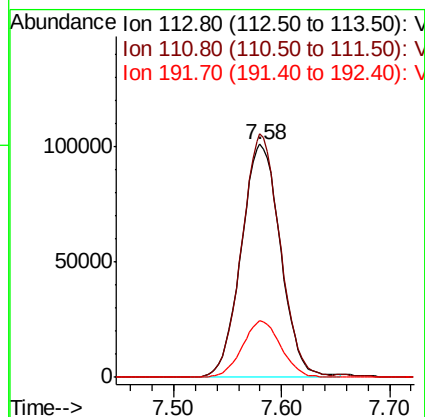
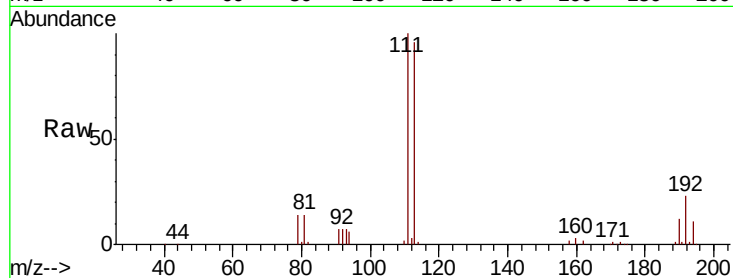




#35
 Dibromofluoromethane
 Concen: 47.930 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

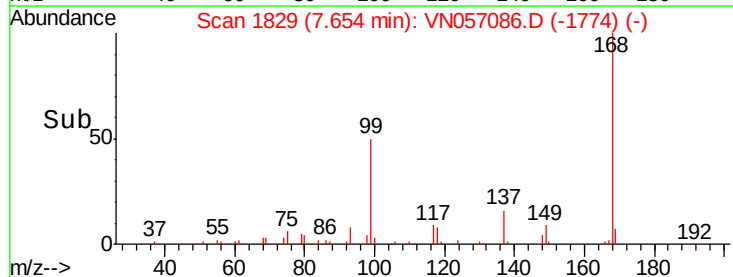
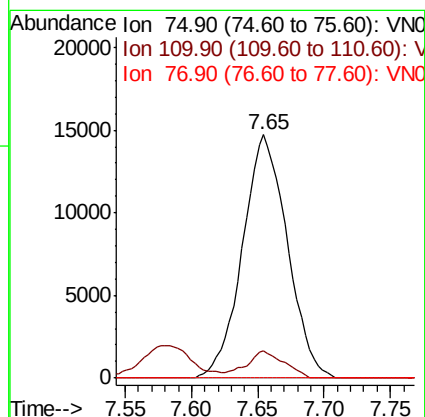
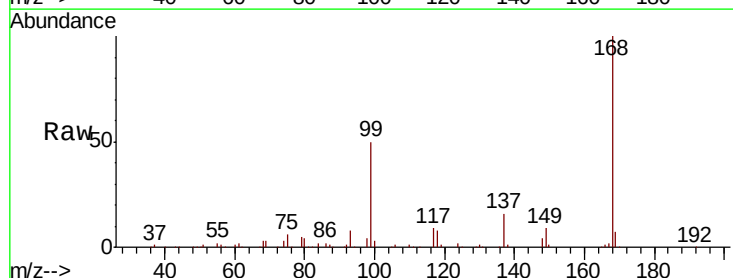
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 MSVOA_N
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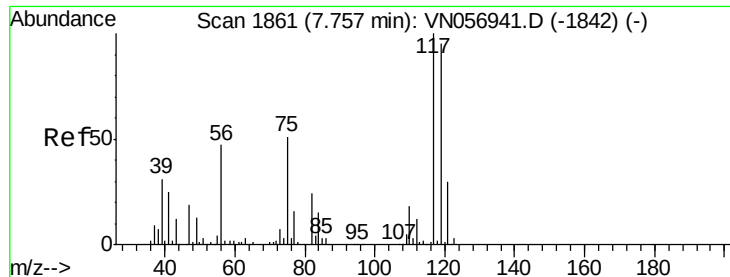
Tot Ion:113 Resp: 255850
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.0 123.0
 192 23.8 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.725 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

Tgt Ion: 75 Resp: 34671
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.6 55.8#
 77 0.0 25.2 37.8#

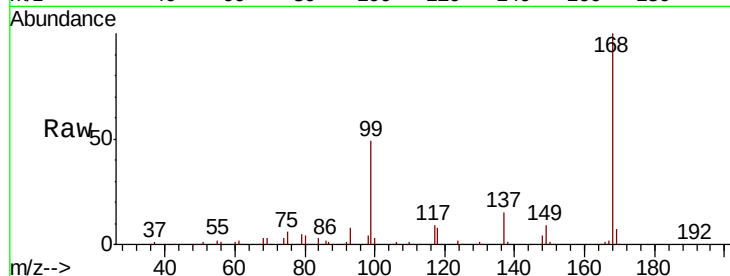




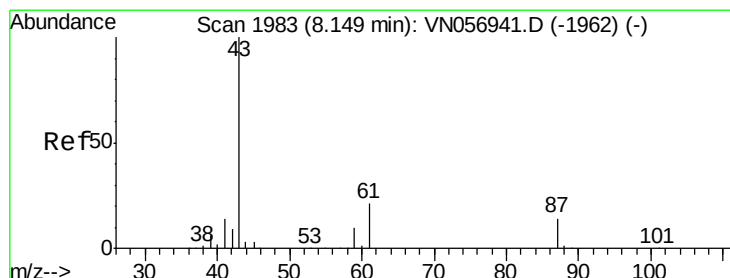
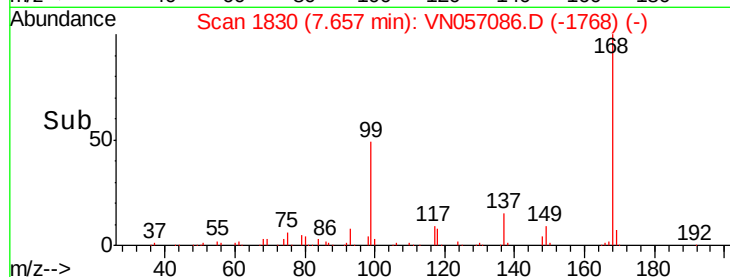
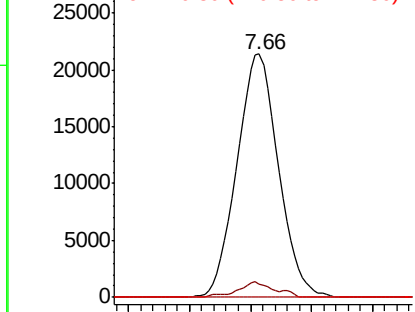
#38
Carbon Tetrachloride
Concen: 7.256 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.10 min
Lab File: VN057086.D
Acq: 5 Aug 2019 16:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 50358
Ion Ratio Lower Upper
117 100
119 5.6 75.3 112.9#
121 0.0 24.2 36.4#

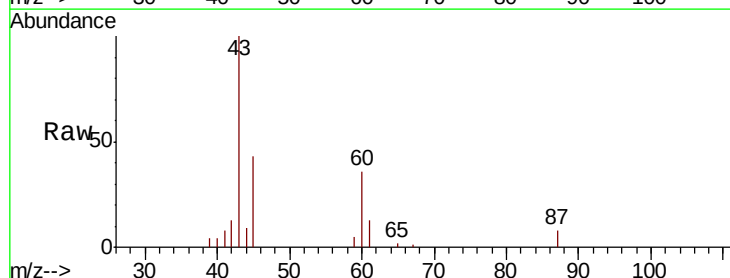


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

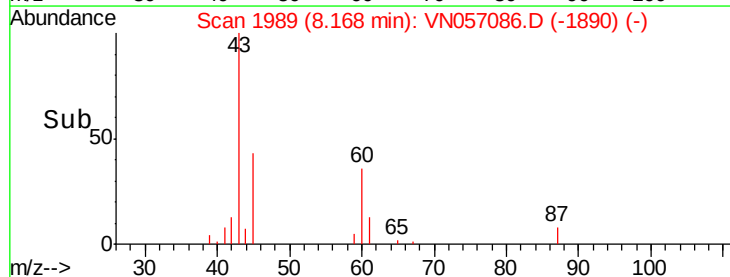
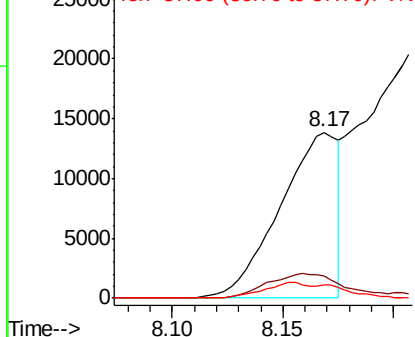


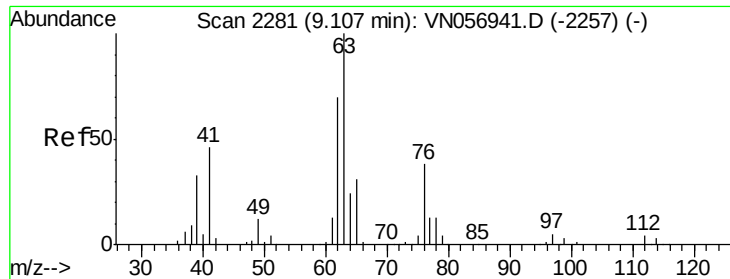
#43
Isopropyl Acetate
Concen: 2.606 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.02 min
Lab File: VN057086.D
Acq: 5 Aug 2019 16:48

Tgt Ion: 43 Resp: 25313
Ion Ratio Lower Upper
43 100
61 19.2 23.0 34.6#
87 6.9 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

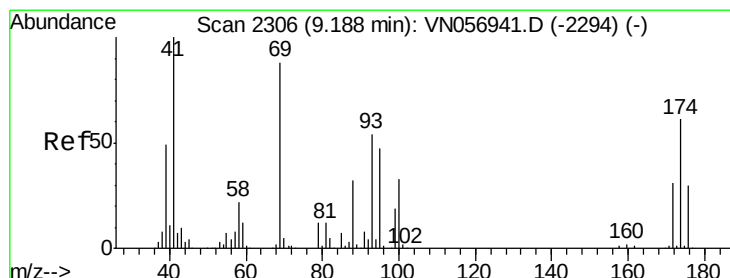
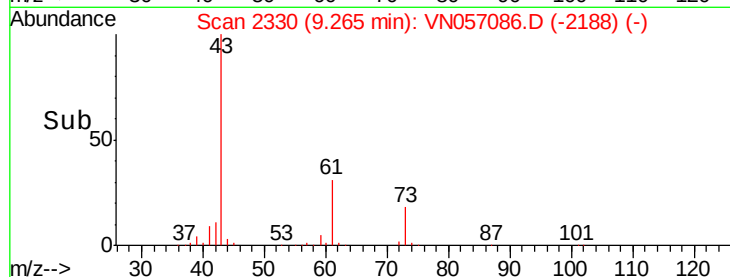
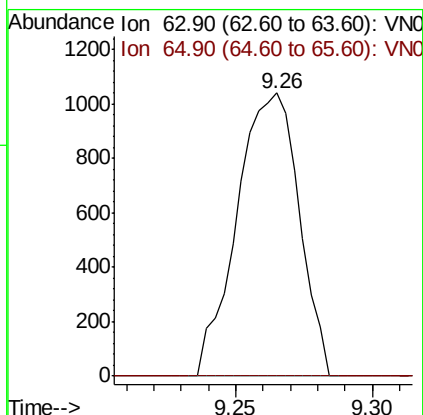
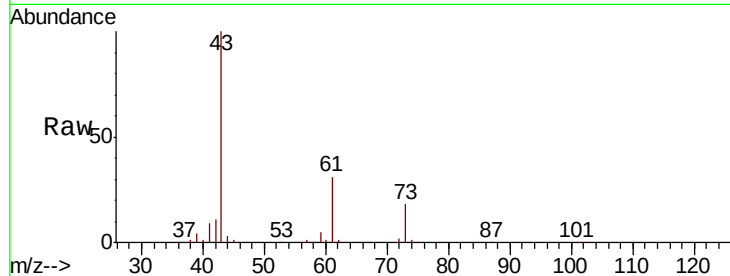




#45
 1,2-Dichloropropane
 Concen: 0.272 ug/l
 RT: 9.26 min Scan# 2330
 Delta R.T. 0.16 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

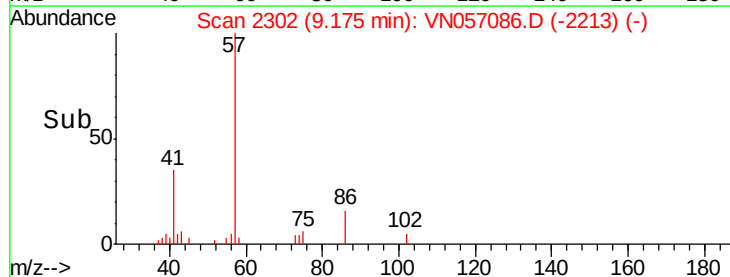
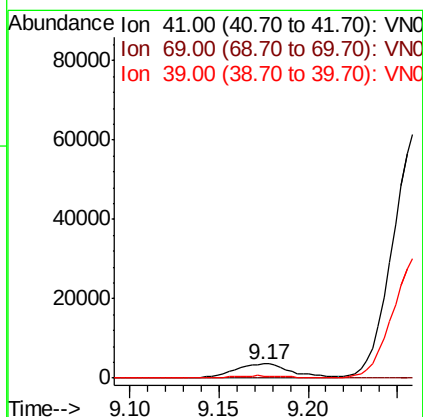
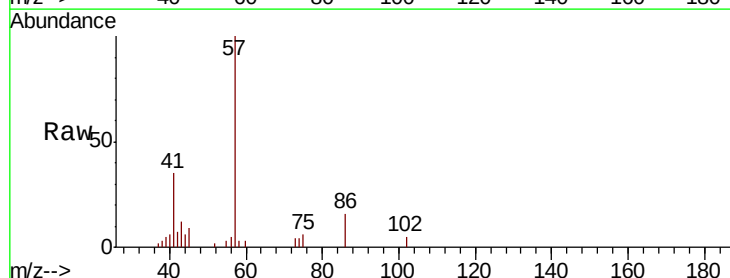
Instrument :
 MSVOA_N
 ClientSampleId :

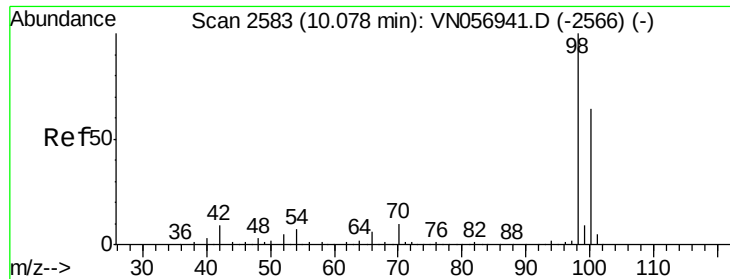
Tot Ion: 63 Resp: 1642
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.739 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

Tgt Ion: 41 Resp: 8155
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.4 110.0#
 39 0.0 39.9 59.9#





#50

Toluene-d8

Concen: 47.890 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057086.D

Acq: 5 Aug 2019 16:48

Instrument :

MSVOA_N

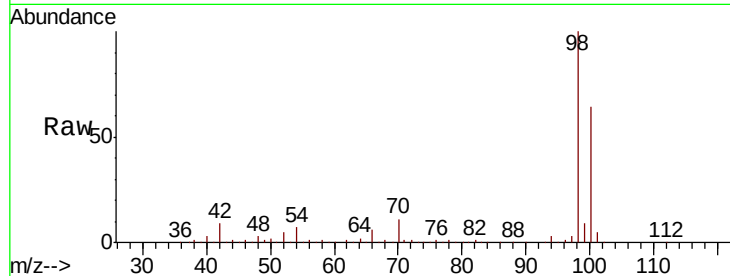
ClientSampled :

Tot Ion: 98 Resp: 974876

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

600000

500000

400000

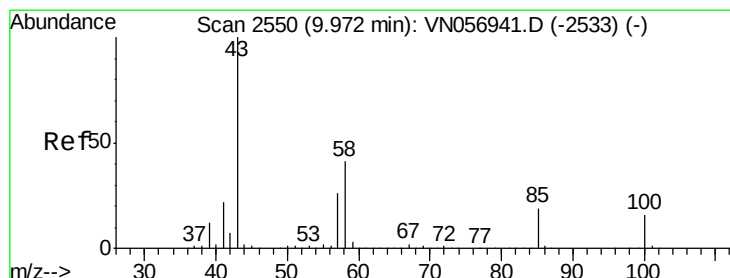
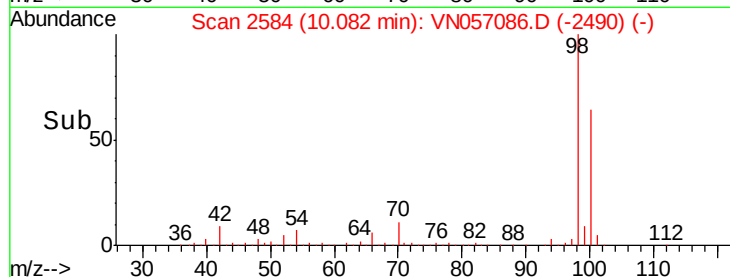
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.540 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VN057086.D

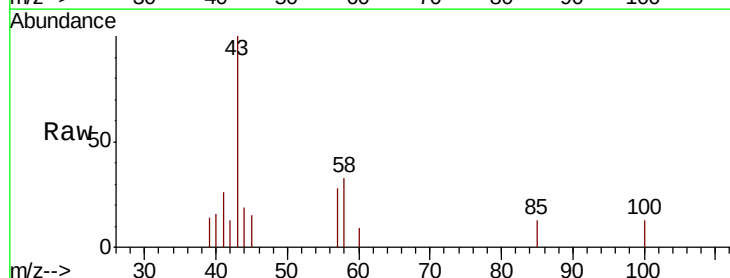
Acq: 5 Aug 2019 16:48

Tgt Ion: 43 Resp: 3118

Ion Ratio Lower Upper

43 100

58 46.3 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

5000

4000

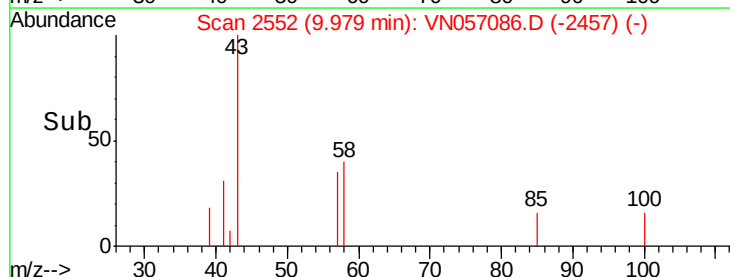
3000

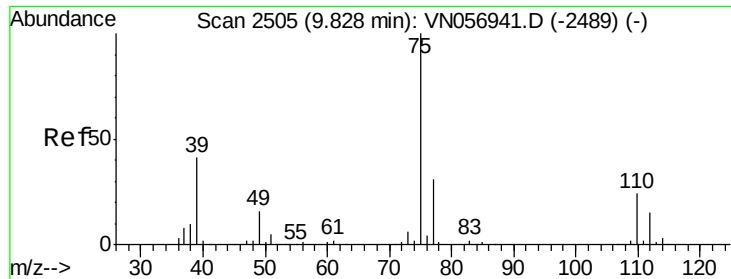
2000

1000

0

Time-->



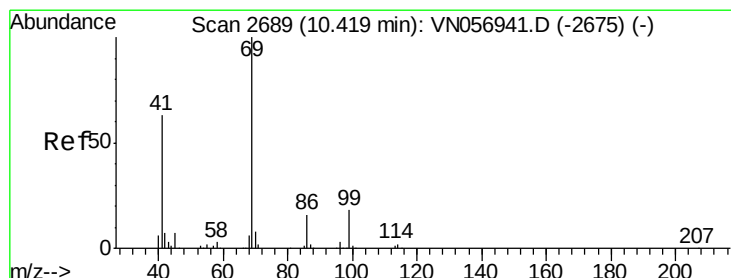
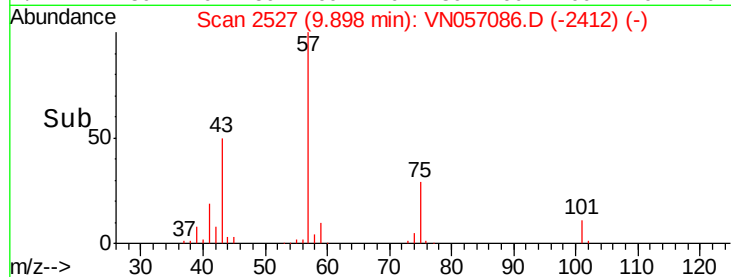
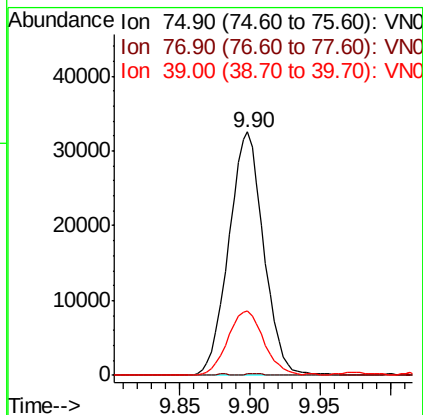
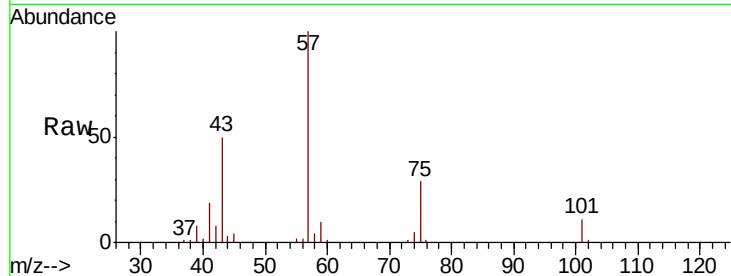


#54

cis-1,3-Dichloropropene
 Concen: 6.483 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

Instrument :
 MSVOA_N
 ClientSampleId :

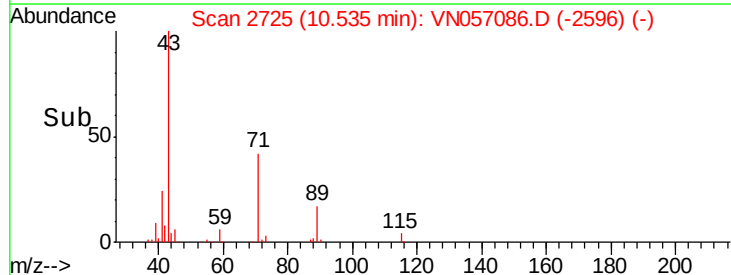
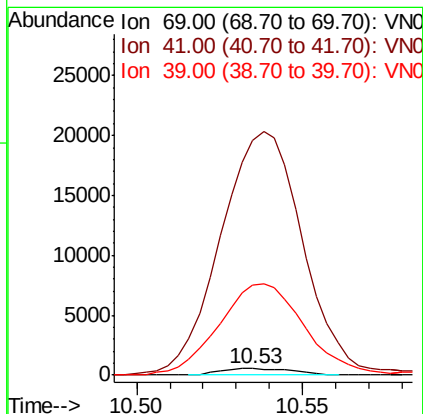
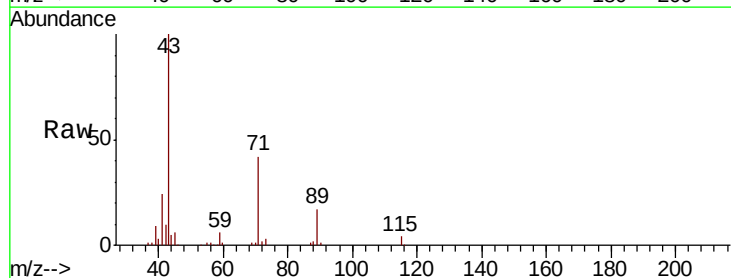
Tot Ion: 75 Resp: 56060
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 26.3 32.6 49.0#

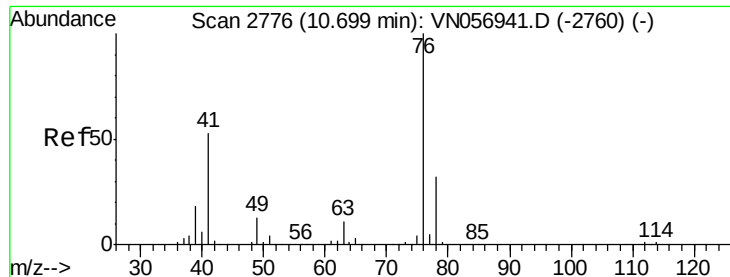


#56

Ethyl methacrylate
 Concen: 1.859 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. 0.12 min
 Lab File: VN057086.D
 Acq: 5 Aug 2019 16:48

Tgt Ion: 69 Resp: 843
 Ion Ratio Lower Upper
 69 100
 41 4203.8 49.2 73.8#
 39 1617.6 23.1 34.7#





#57

1,3-Dichloropropane

Concen: 1.189 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN057086.D

Acq: 5 Aug 2019 16:48

Instrument :

MSVOA_N

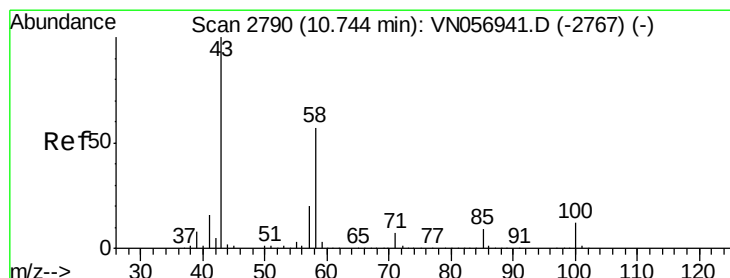
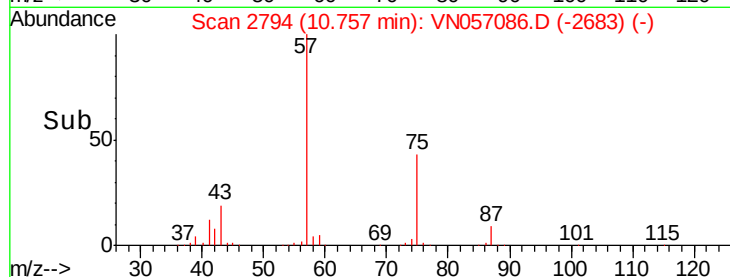
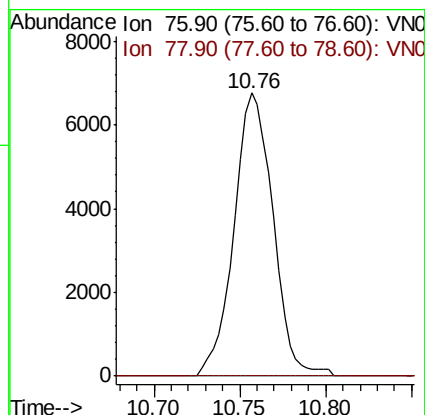
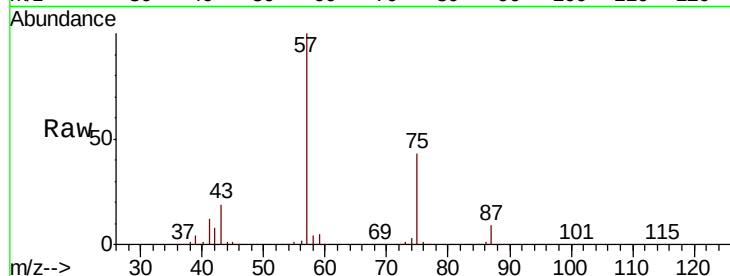
ClientSampleId :

Tot Ion: 76 Resp: 10732

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 34.698 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN057086.D

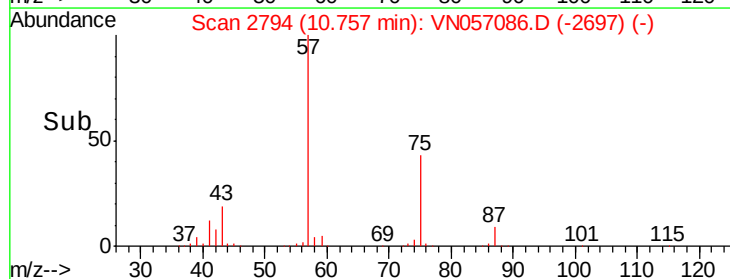
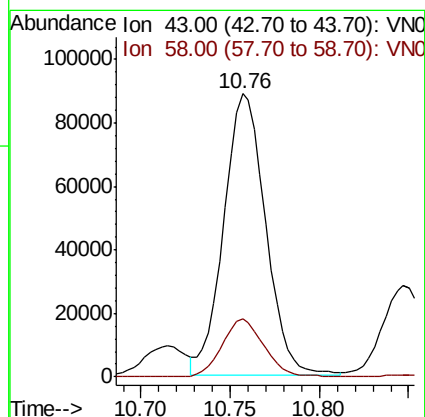
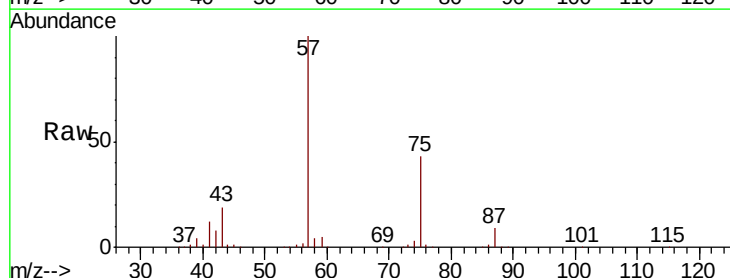
Acq: 5 Aug 2019 16:48

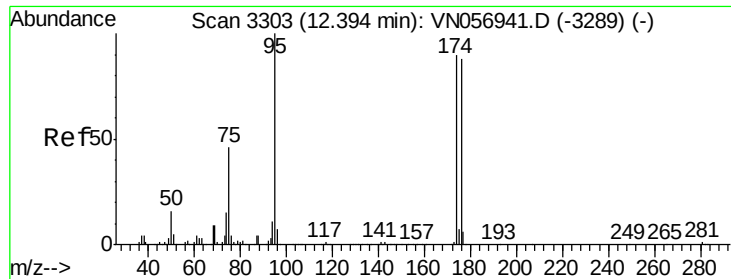
Tgt Ion: 43 Resp: 144541

Ion Ratio Lower Upper

43 100

58 20.8 28.5 85.5#

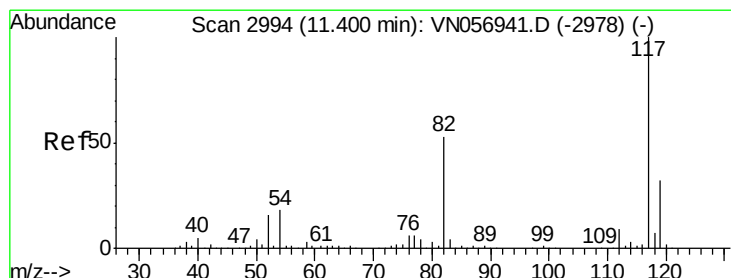
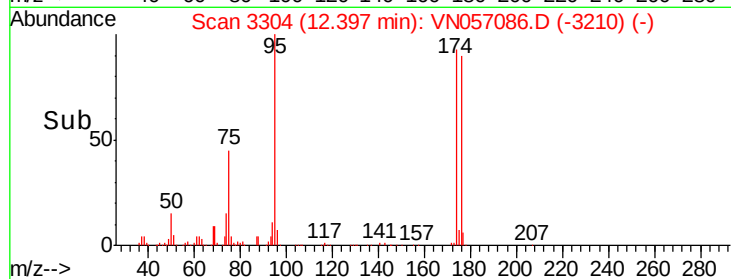
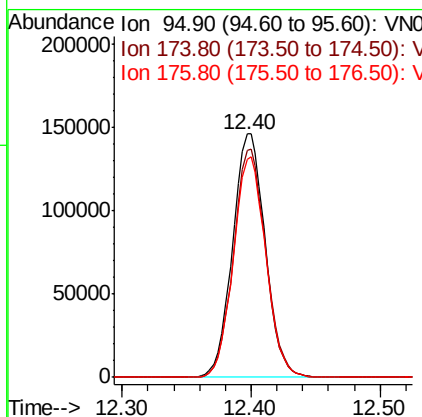
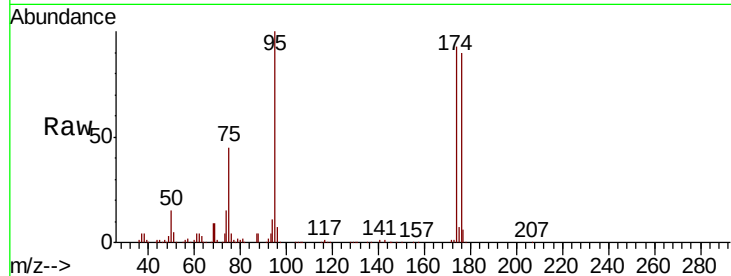




#62
4-Bromofluorobenzene
Concen: 38.620 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057086.D
Acq: 5 Aug 2019 16:48

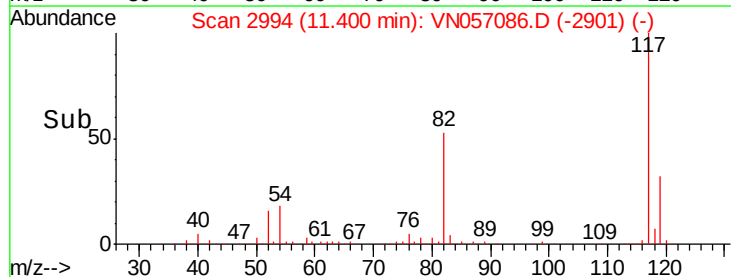
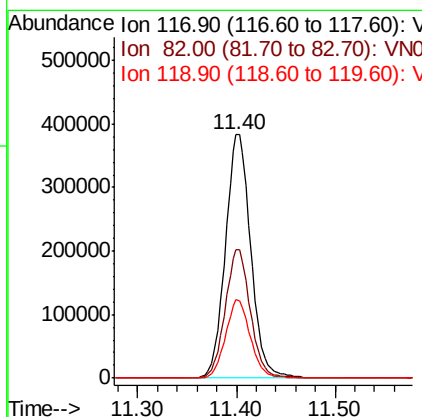
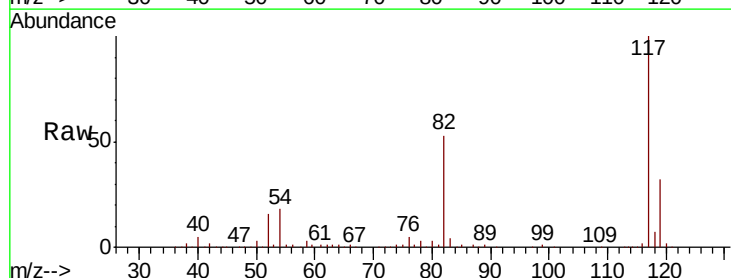
Instrument :
MSVOA_N
ClientSampleId :

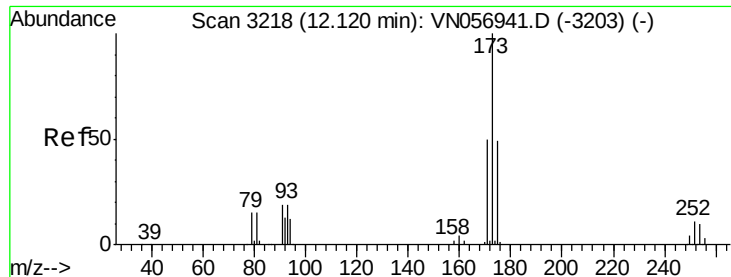
Tot Ion: 95 Resp: 255934
Ion Ratio Lower Upper
95 100
174 93.5 0.0 182.2
176 90.4 0.0 179.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057086.D
Acq: 5 Aug 2019 16:48

Tgt Ion: 117 Resp: 689494
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 32.0 25.8 38.6





#71

Bromoform

Concen: 0.606 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN057086.D

Acq: 5 Aug 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

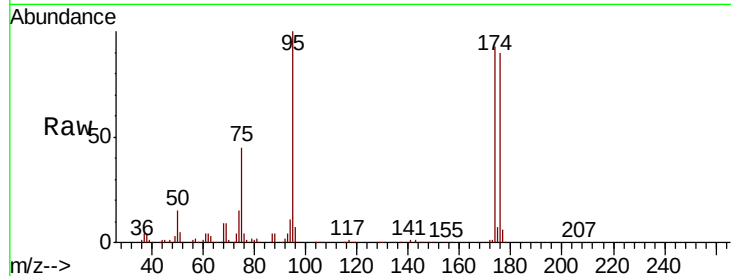
Tot Ion:173 Resp: 2238

Ion Ratio Lower Upper

173 100

175 632.4 24.1 72.4#

254 0.0 0.1 0.1#

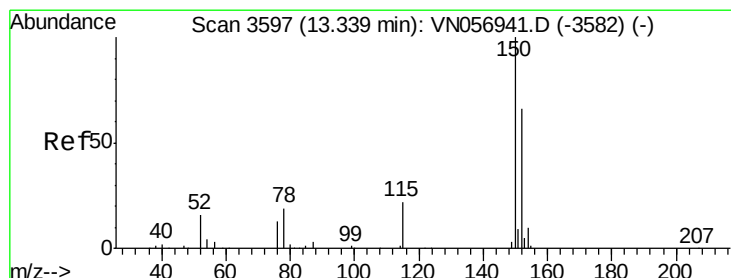
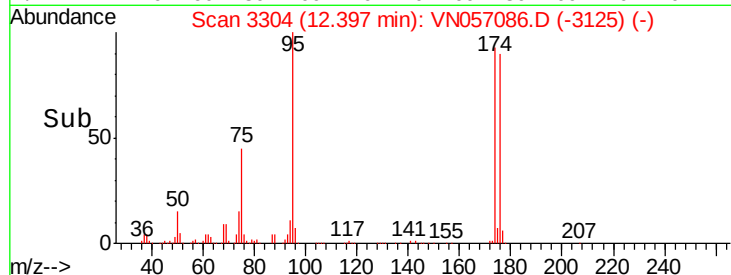
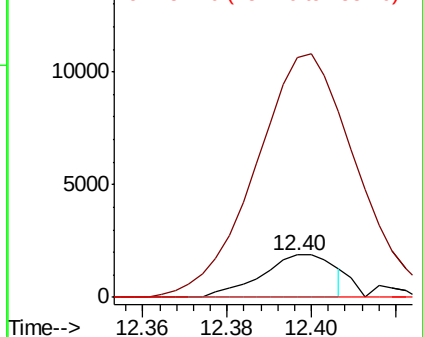


Abundance

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: VN057086.D

Acq: 5 Aug 2019 16:48

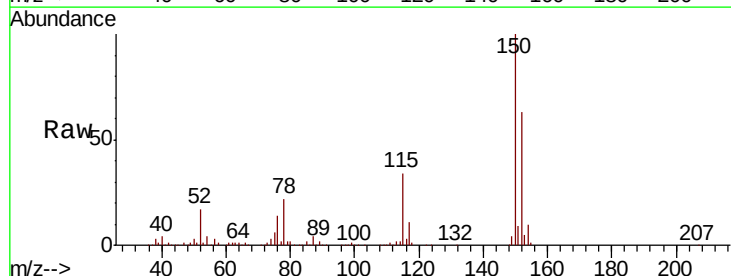
Tgt Ion:152 Resp: 178980

Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.6

150 157.7 0.0 349.4

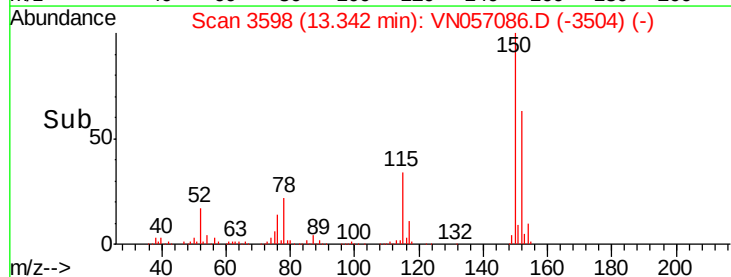
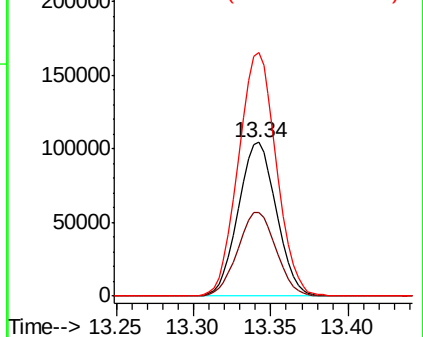


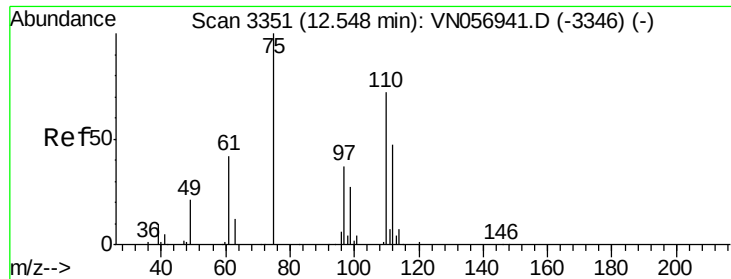
Abundance

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: 31.743 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057086.D

Acq: 5 Aug 2019 16:48

Instrument :

MSVOA_N

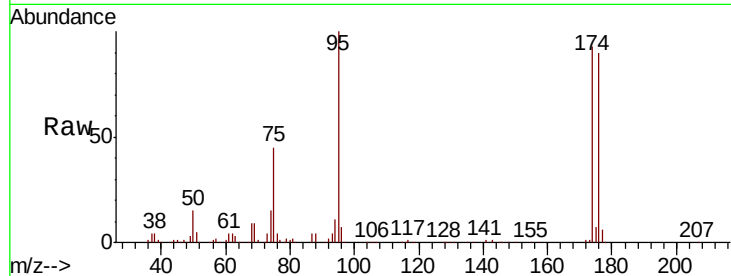
ClientSampled :

Tot Ion: 75 Resp: 115380

Ion Ratio Lower Upper

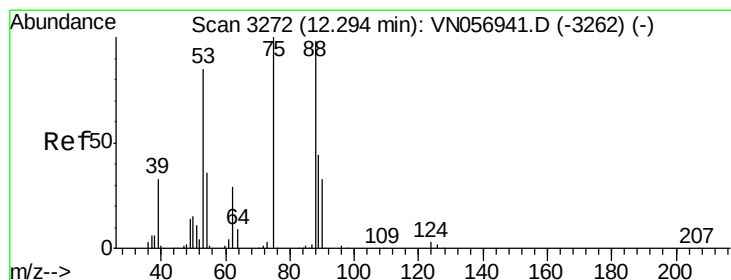
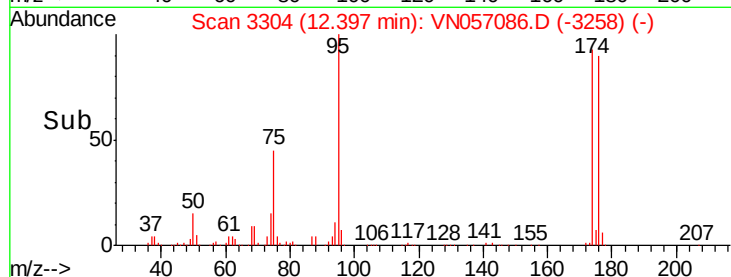
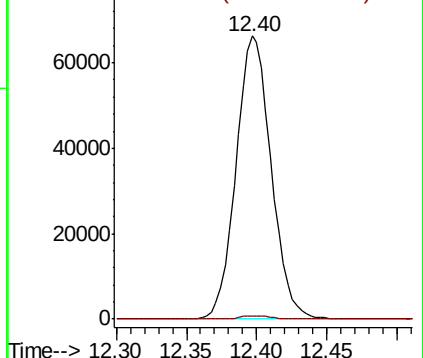
75 100

77 1.0 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: 101.990 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057086.D

Acq: 5 Aug 2019 16:48

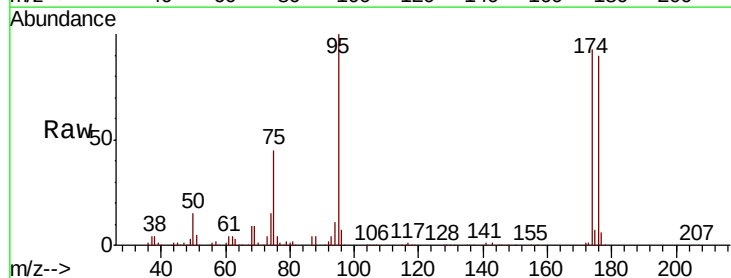
Tgt Ion: 75 Resp: 115380

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#



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

