

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054727.D
 Acq On : 27 Mar 2019 17:28
 Operator : JC/SP
 Sample : K2097-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 28 04:38:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	535527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	877029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	736430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	263058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	349841	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	7.59	113	278689	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.09	98	1056641	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.40	95	320651	44.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.72%	

Target Compounds

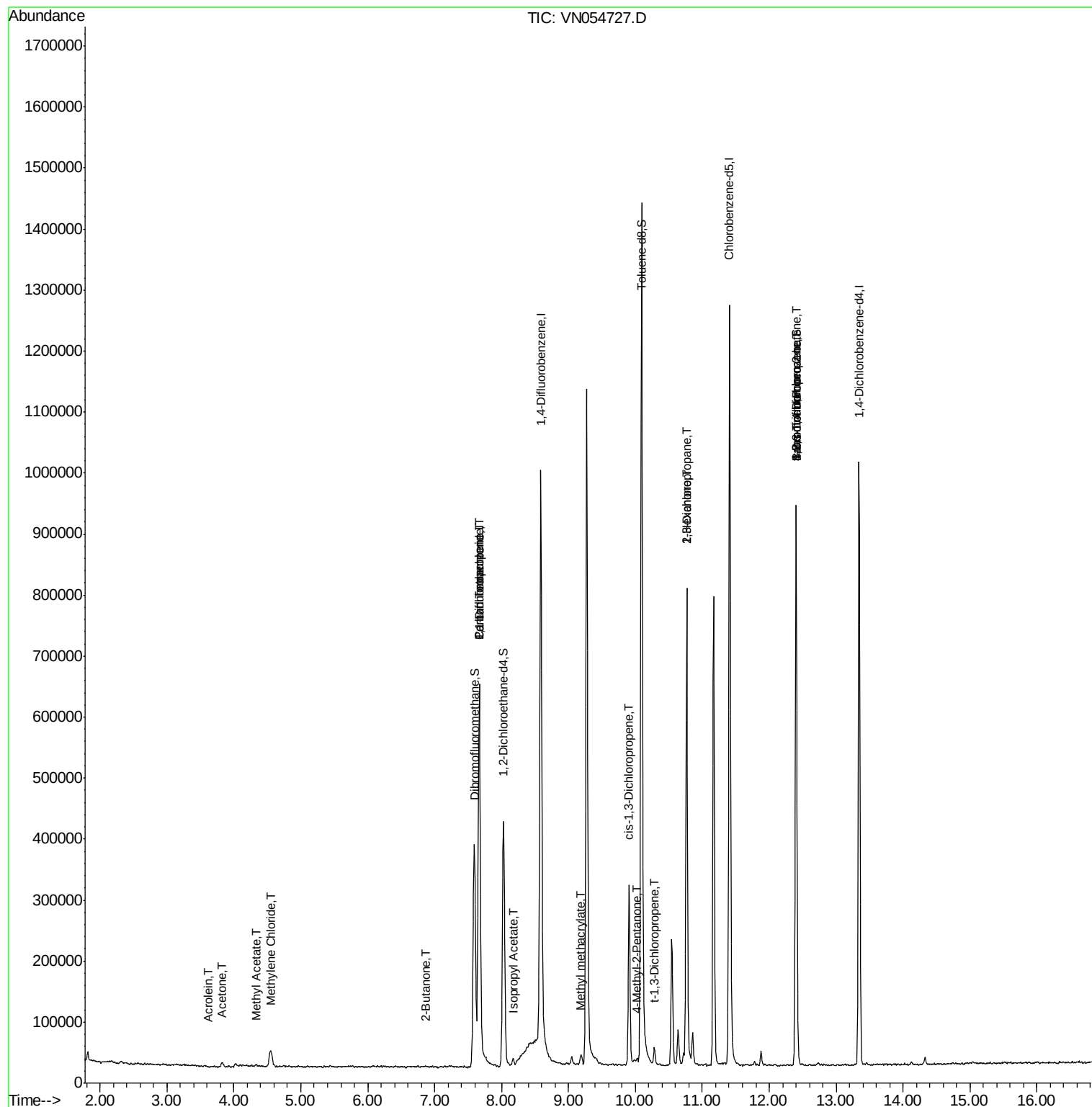
						Qvalue
13) Acrolein	3.61	56	121	0.217	ug/l #	57
16) Acetone	3.82	43	12067	6.025	ug/l #	76
18) Methyl Acetate	4.34	43	3210	0.719	ug/l #	60
20) Methylene Chloride	4.55	84	18707	3.169	ug/l #	82
25) 2-Butanone	6.86	43	1159	0.452	ug/l #	78
31) Cyclohexane	7.67	56	11395	Below Cal	#	13
36) 1,1-Dichloropropene	7.67	75	40590	4.950	ug/l #	45
38) Carbon Tetrachloride	7.67	117	48137	6.041	ug/l #	16
43) Isopropyl Acetate	8.18	43	14205	1.442	ug/l #	63
48) Methyl methacrylate	9.18	41	7461	1.396	ug/l #	11
51) 4-Methyl-2-Pentanone	10.03	43	7460	1.367	ug/l #	36
53) t-1,3-Dichloropropene	10.29	75	29	2.235	ug/l #	42
54) cis-1,3-Dichloropropene	9.90	75	49818	5.573	ug/l #	72
57) 1,3-Dichloropropane	10.77	76	7354	0.816	ug/l #	43
59) 2-Hexanone	10.77	43	133134	37.338	ug/l #	46
71) Bromoform	12.40	173	2661	2.906	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	165662	39.686	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	165662	131.305	ug/l #	11

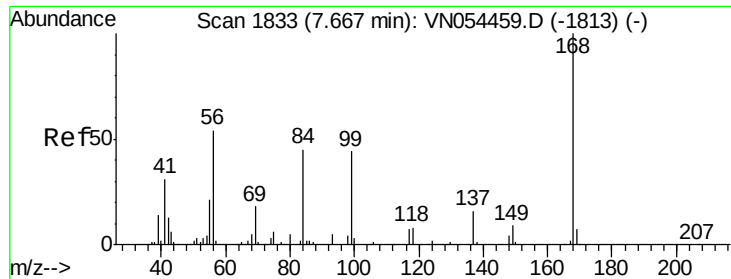
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032719\
Data File : VN054727.D
Acq On : 27 Mar 2019 17:28
Operator : JC/SP
Sample : K2097-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 28 04:38:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

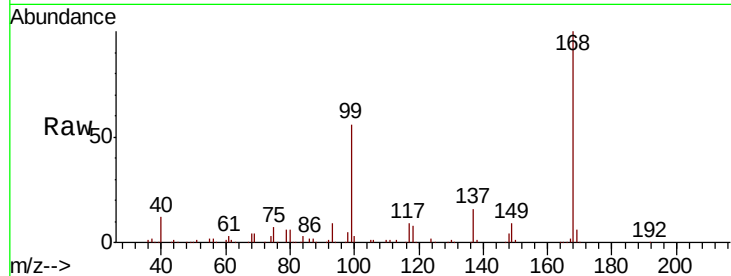
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 535527

Ion Ratio Lower Upper

168 100

99 56.4 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054727.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054727.D (-1740) (-)

7.67

250000

200000

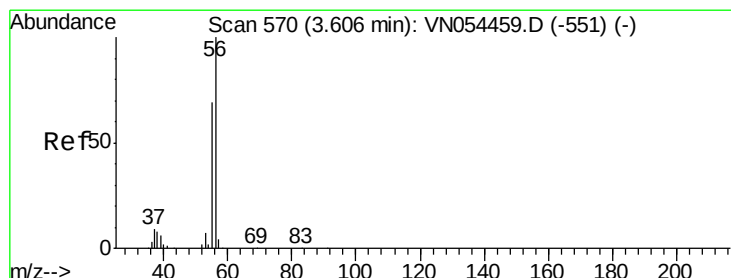
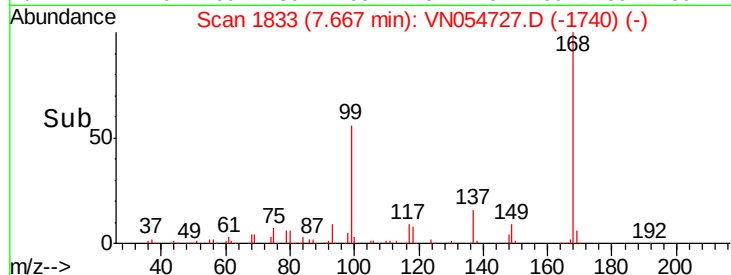
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.217 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054727.D

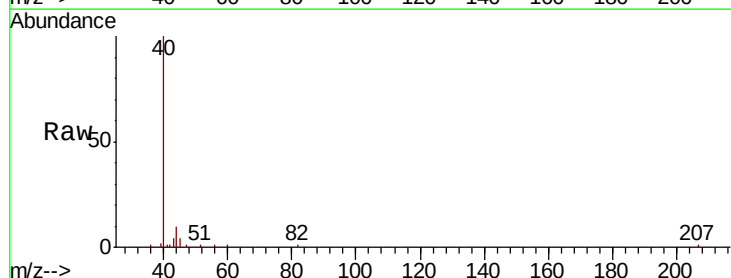
Acq: 27 Mar 2019 17:28

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 106.6 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054727.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054727.D (-477) (-)

3.61

250

200

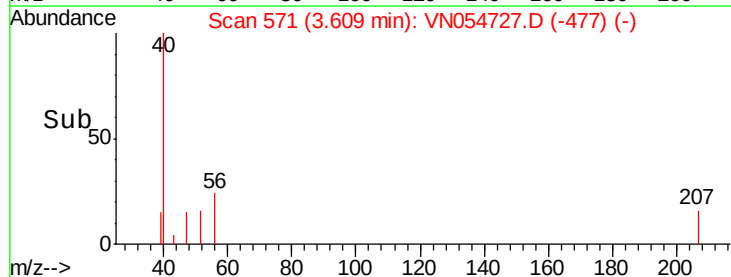
150

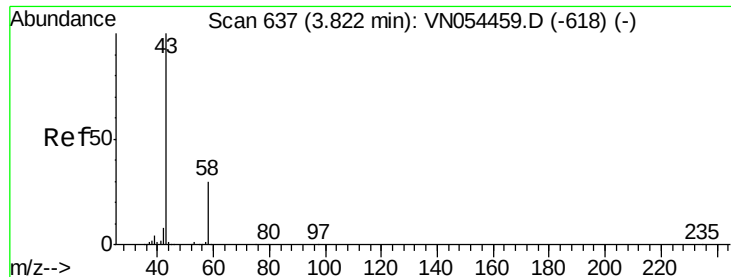
100

50

0

Time-->

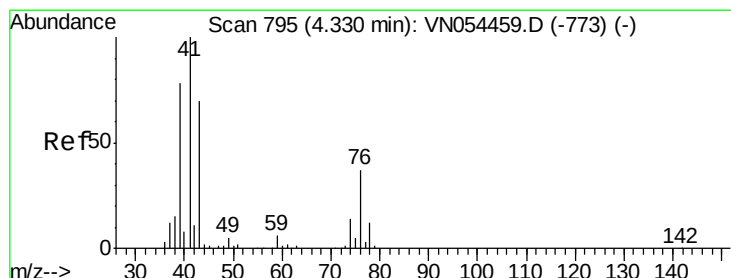
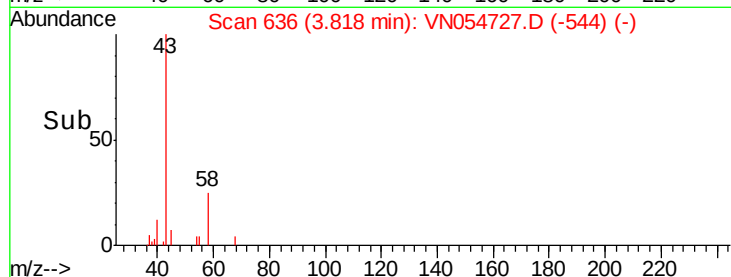
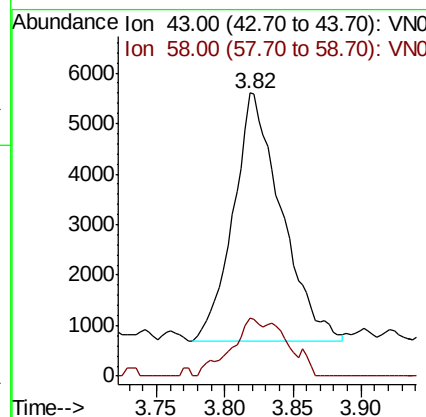
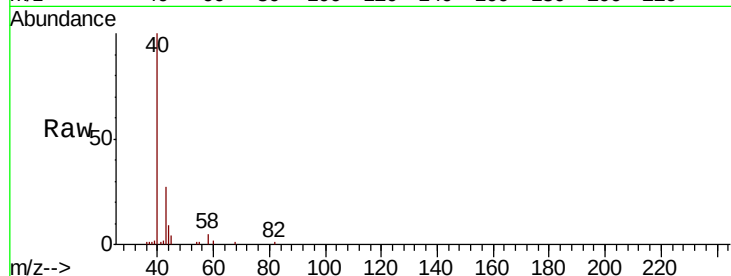




#16
Acetone
Concen: 6.025 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN054727.D
Acq: 27 Mar 2019 17:28

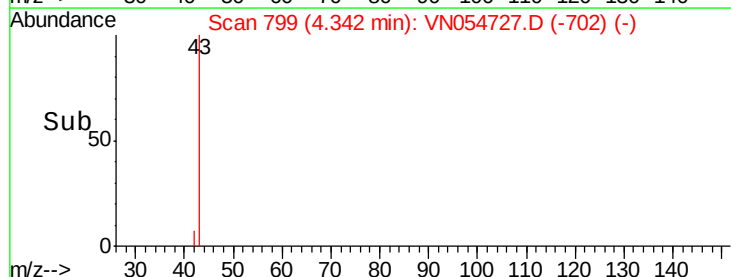
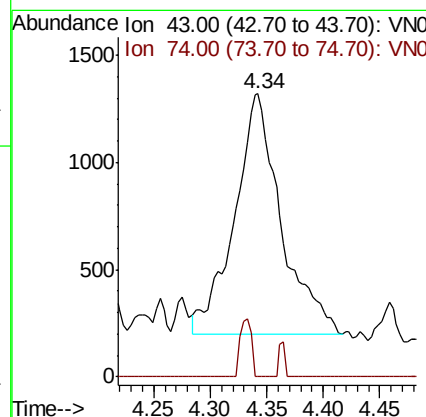
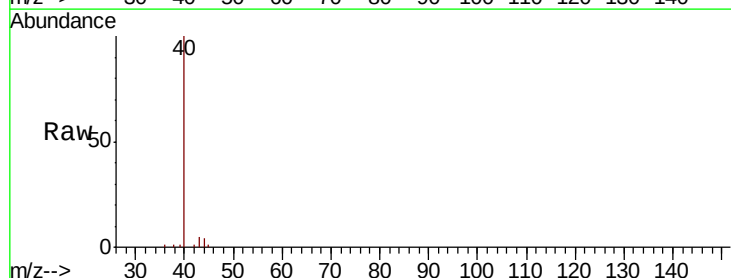
Instrument :
MSVOA_N
ClientSampled :

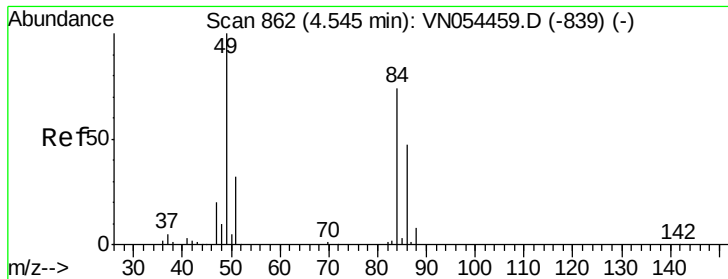
Tot Ion: 43 Resp: 12067
Ion Ratio Lower Upper
43 100
58 23.2 29.9 44.9#



#18
Methyl Acetate
Concen: 0.719 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.01 min
Lab File: VN054727.D
Acq: 27 Mar 2019 17:28

Tgt Ion: 43 Resp: 3210
Ion Ratio Lower Upper
43 100
74 5.5 20.8 31.2#

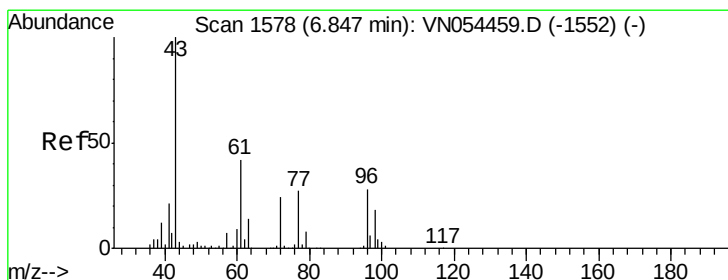
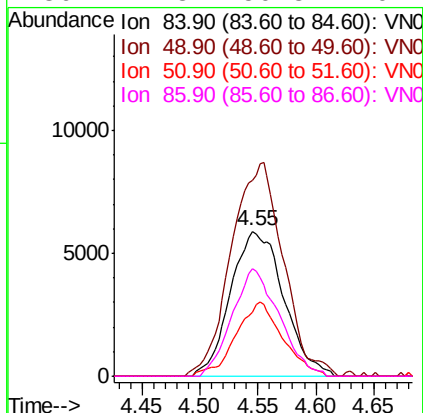
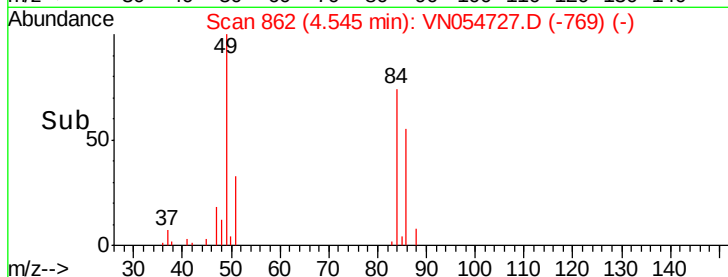
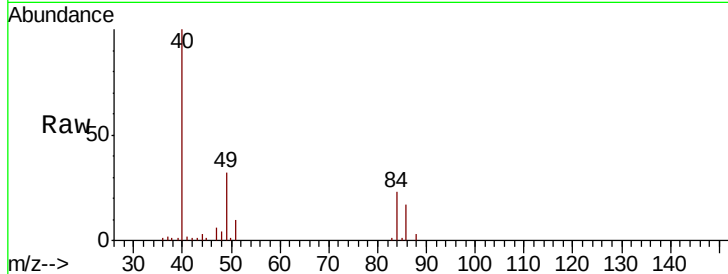




#20
Methvlene Chloride
Concen: 3.169 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054727.D
Acq: 27 Mar 2019 17:28

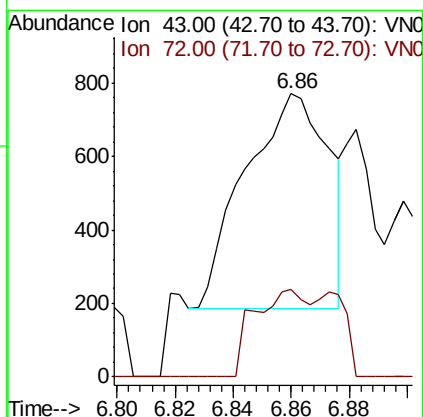
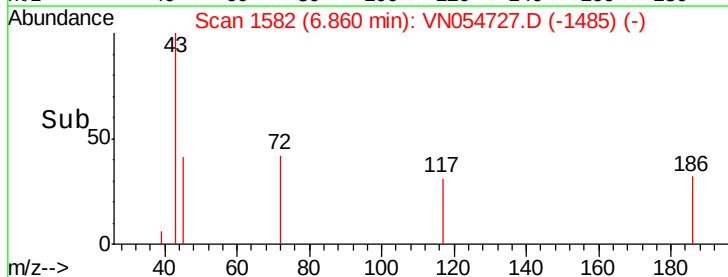
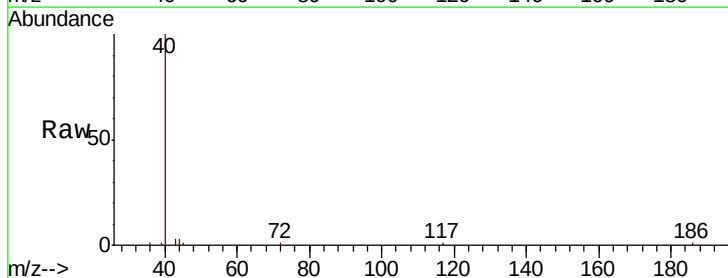
Instrument :
MSVOA_N
ClientSampled :

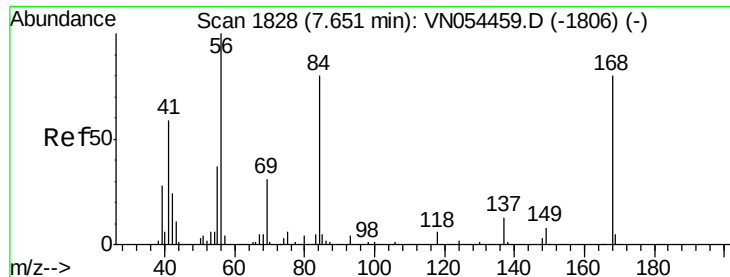
Tot Ion: 84 Resp: 18707
Ion Ratio Lower Upper
84 100
49 135.5 89.7 134.5#
51 44.5 28.2 42.4#
86 74.3 50.8 76.2



#25
2-Butanone
Concen: 0.452 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VN054727.D
Acq: 27 Mar 2019 17:28

Tgt Ion: 43 Resp: 1159
Ion Ratio Lower Upper
43 100
72 40.7 23.0 34.6#





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

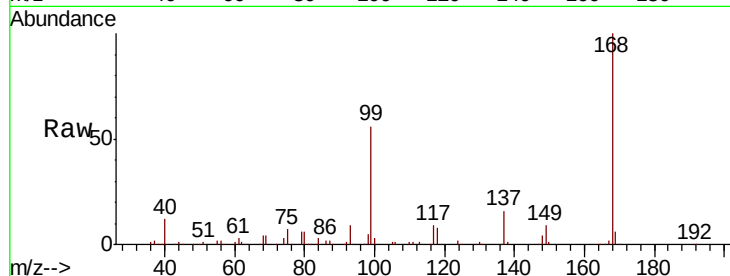
Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

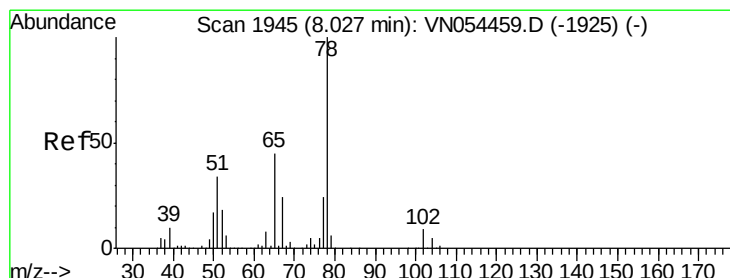
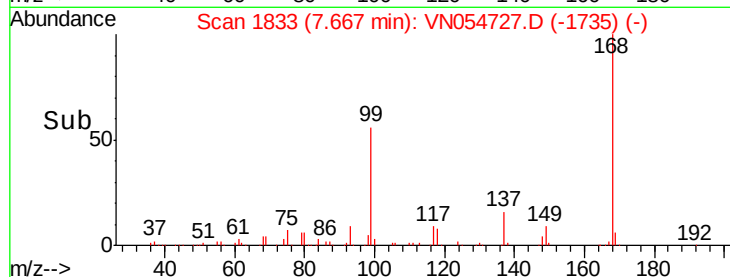
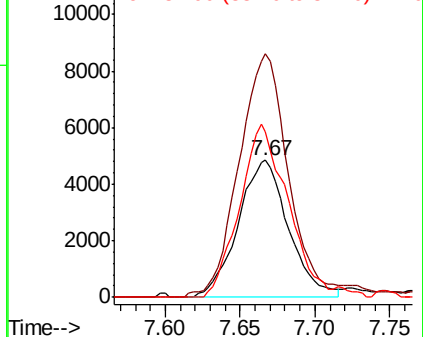
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 11395

Ion	Ratio	Lower	Upper
56	100		
69	174.8	27.8	41.6#
84	120.6	74.6	111.8#



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: 52.520 ug/l

RT: 8.03 min Scan# 1945

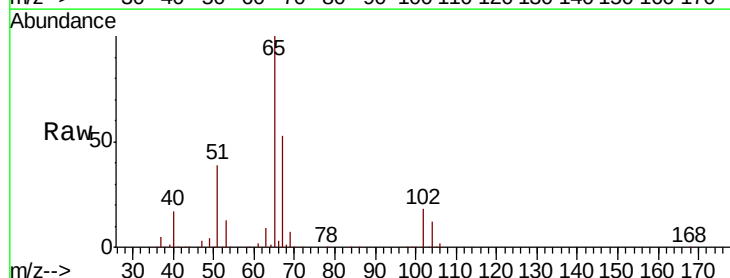
Delta R.T. 0.00 min

Lab File: VN054727.D

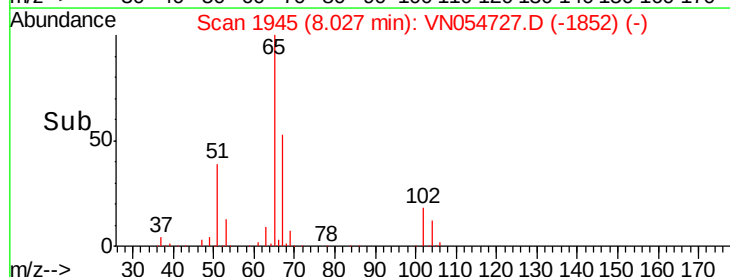
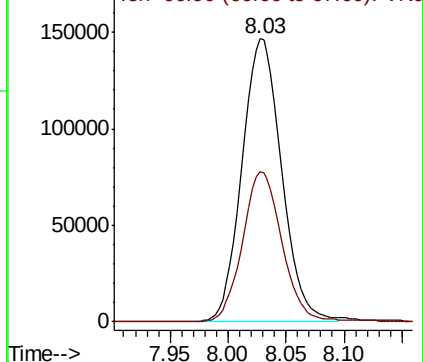
Acq: 27 Mar 2019 17:28

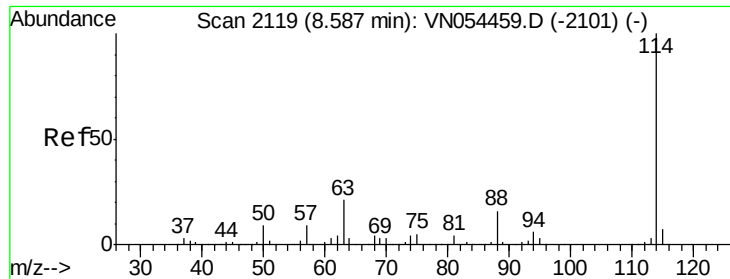
Tgt Ion: 65 Resp: 349841

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

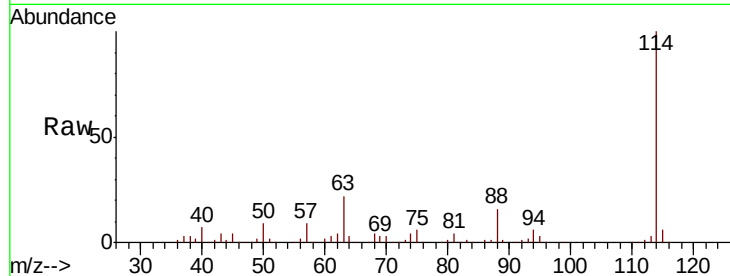




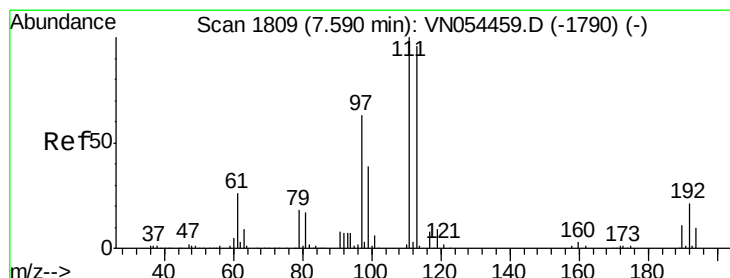
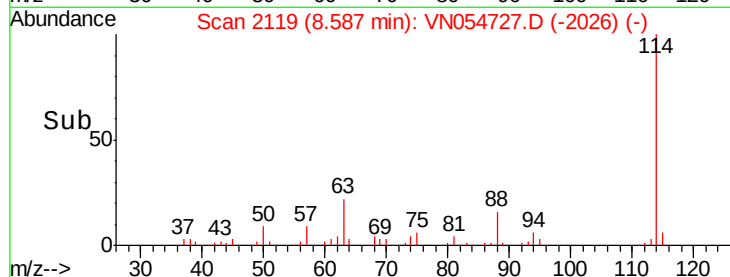
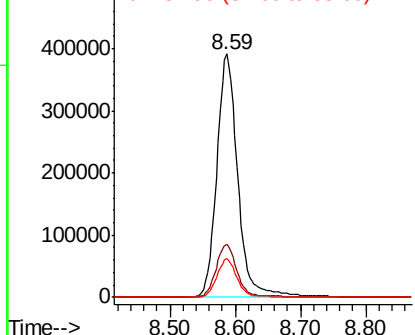
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054727.D
 Acq: 27 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 877029
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 35.2
 88 16.0 0.0 30.2

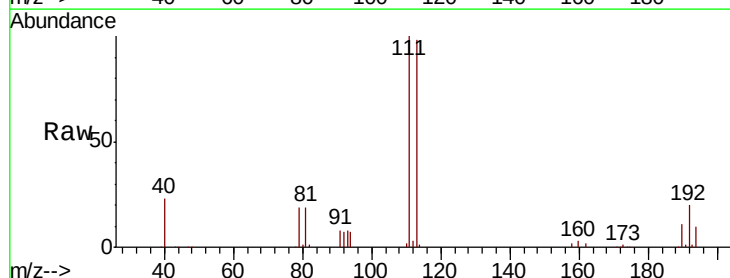


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

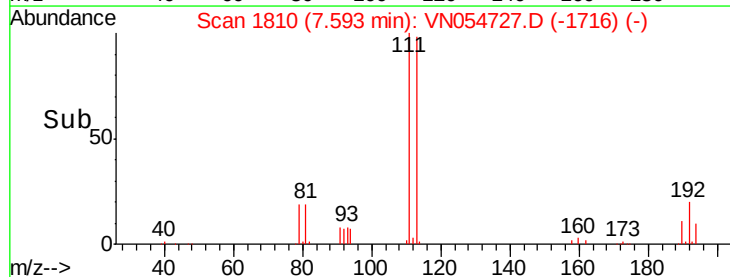
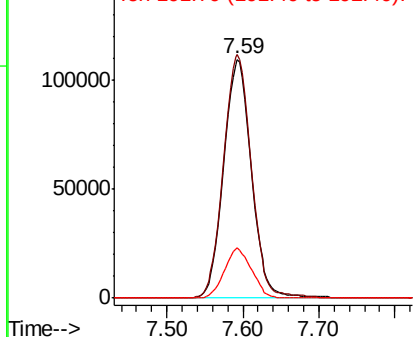


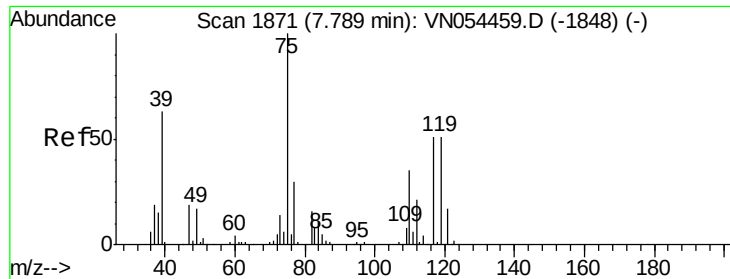
#35
 Dibromofluoromethane
 Concen: 49.323 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054727.D
 Acq: 27 Mar 2019 17:28

Tgt Ion:113 Resp: 278689
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 20.5 19.2 28.8



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

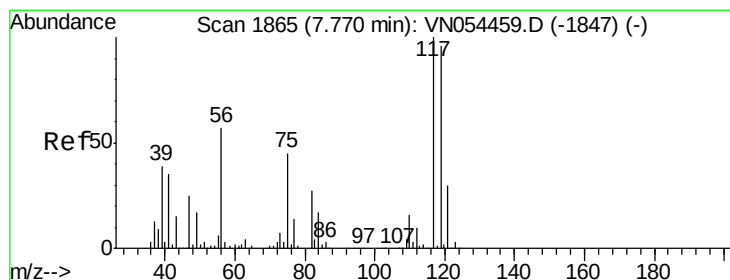
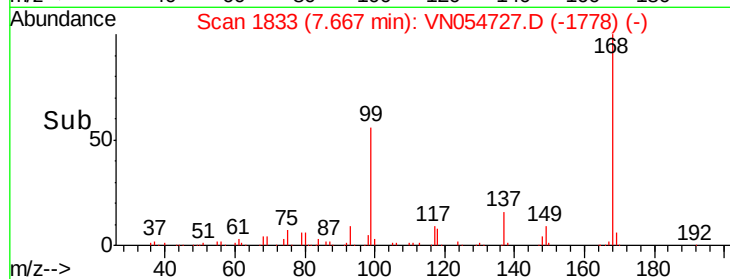
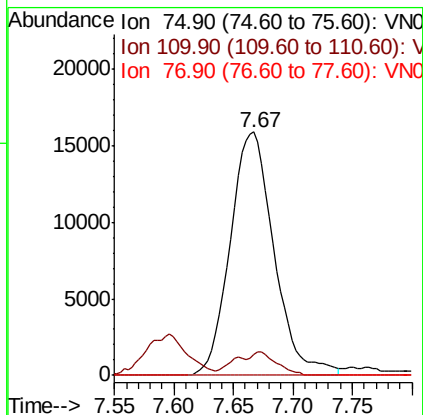
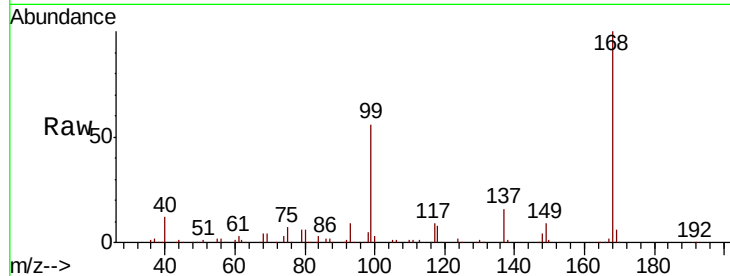




#36
 1,1-Dichloropropene
 Concen: 4.950 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054727.D
 Acq: 27 Mar 2019 17:28

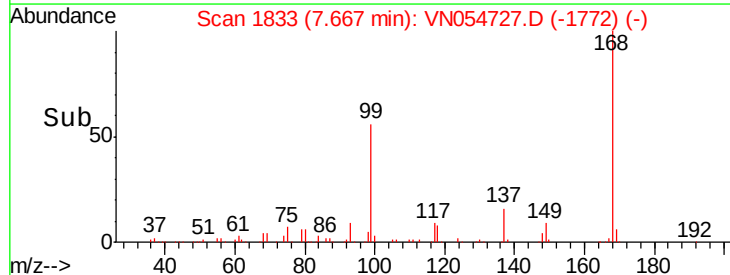
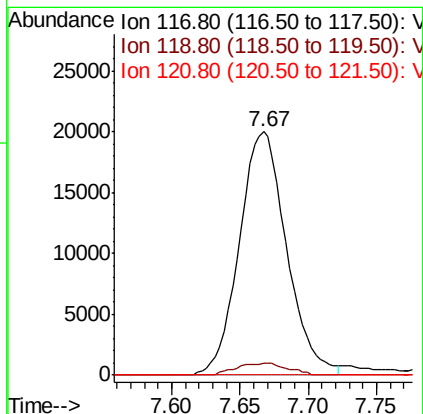
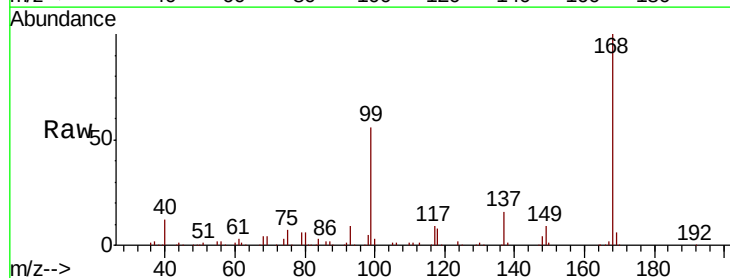
Instrument :
 MSVOA_N
 ClientSampleId :

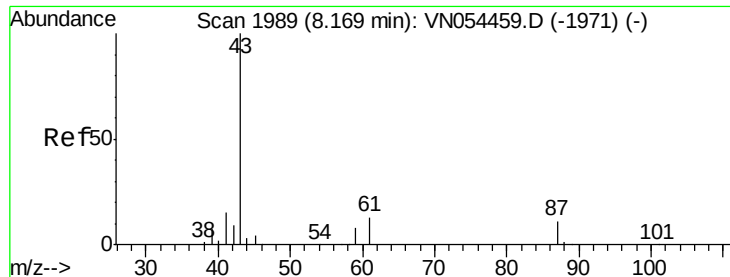
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.7	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.041 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054727.D
 Acq: 27 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 1.442 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

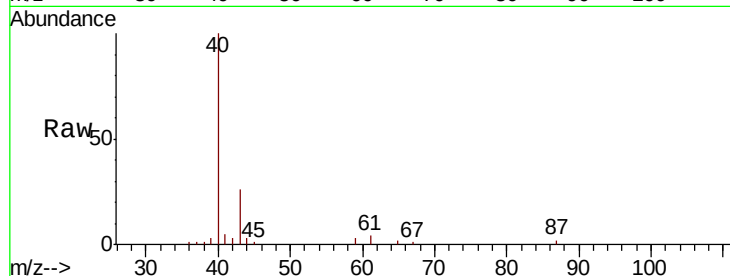
Tot Ion: 43 Resp: 14205

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

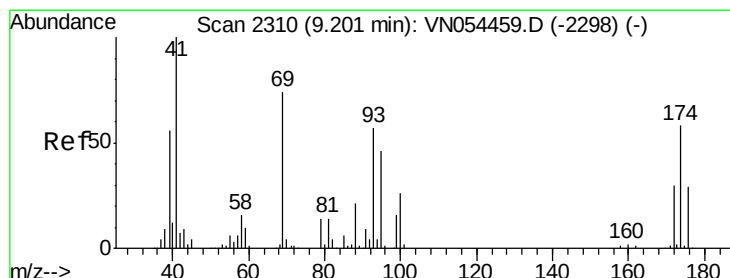
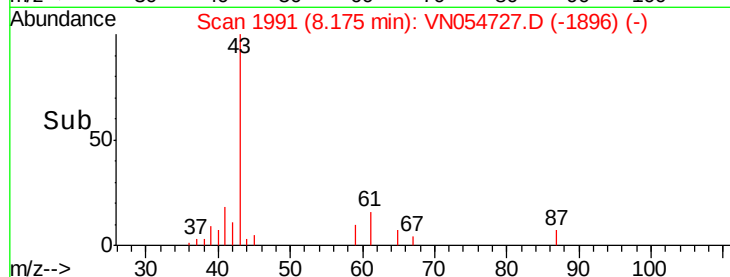
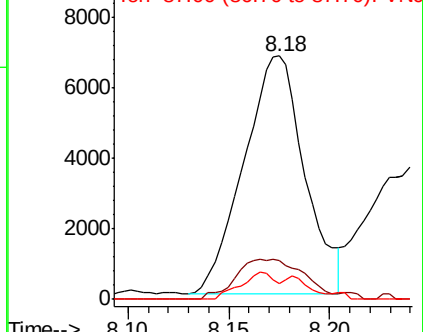
87 2.7 12.0 18.0#



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



#48

Methyl methacrylate

Concen: 1.396 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

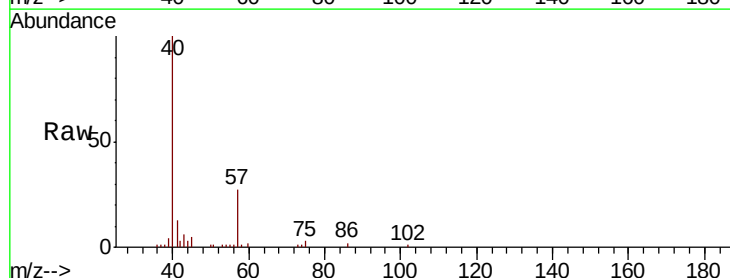
Tgt Ion: 41 Resp: 7461

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

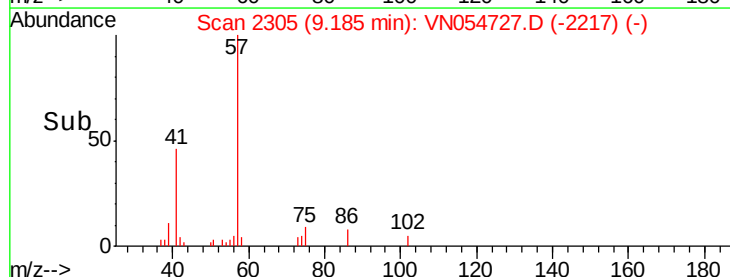
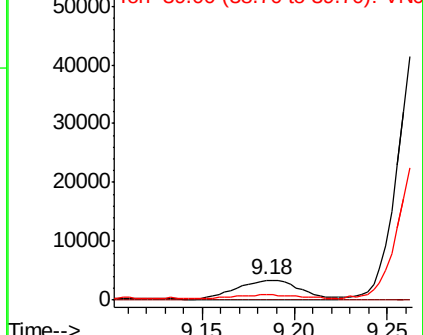
39 0.0 47.5 71.3#

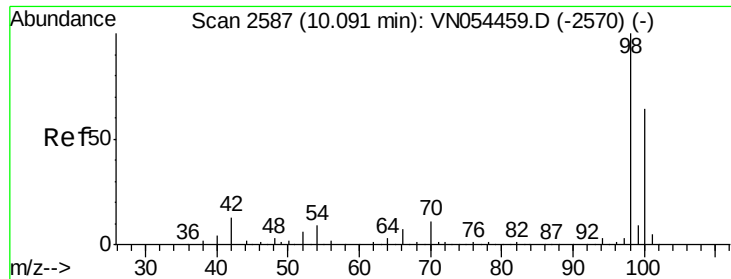


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 49.744 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

Instrument :

MSVOA_N

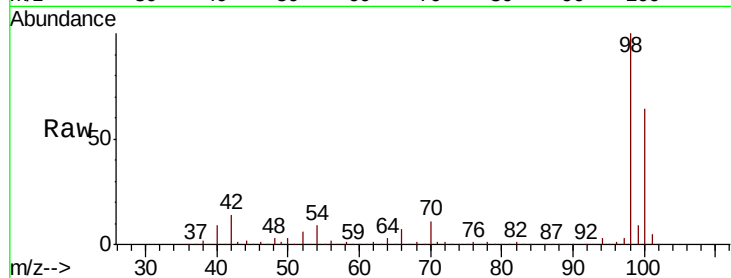
ClientSampled :

Tot Ion: 98 Resp: 1056641

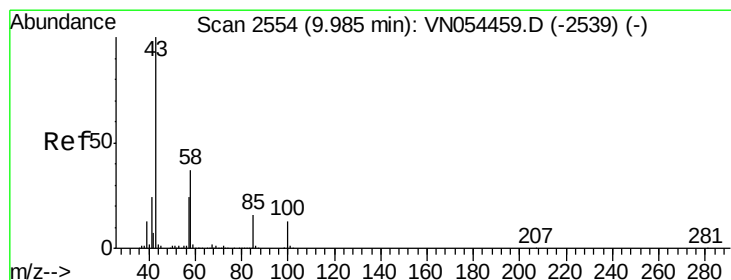
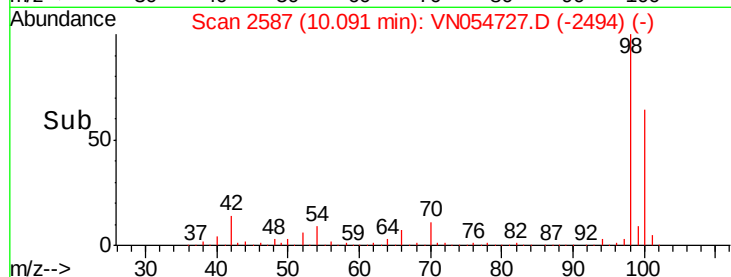
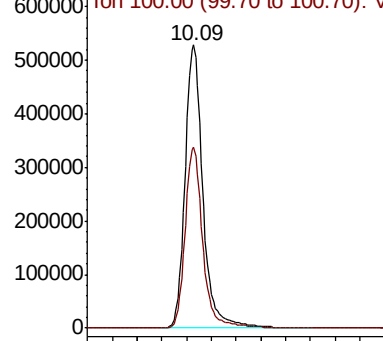
Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.367 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054727.D

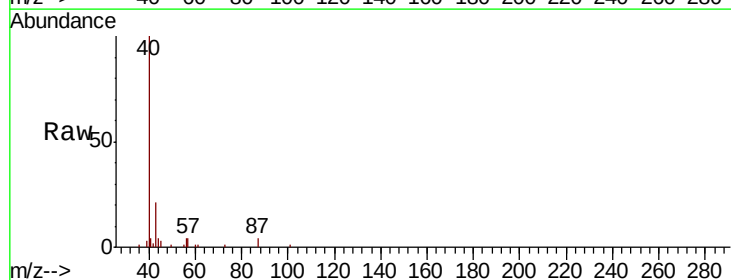
Acq: 27 Mar 2019 17:28

Tgt Ion: 43 Resp: 7460

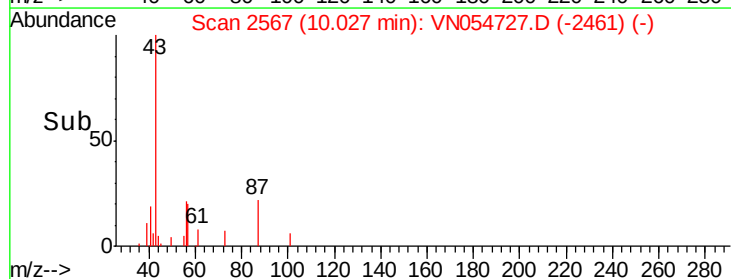
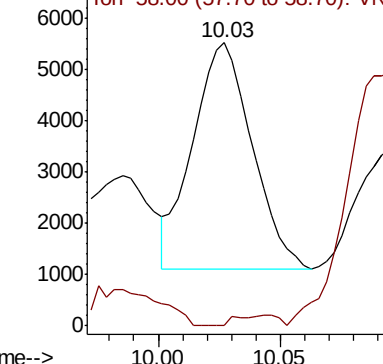
Ion Ratio Lower Upper

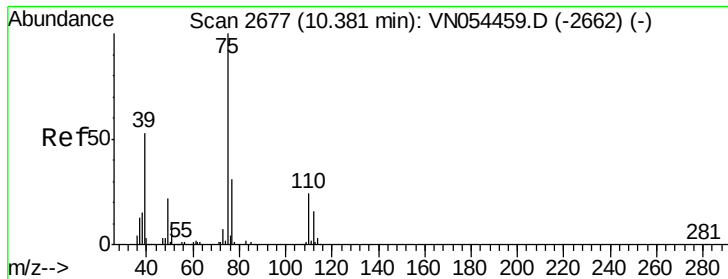
43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

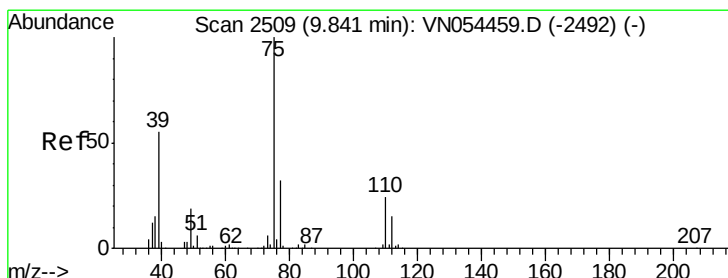
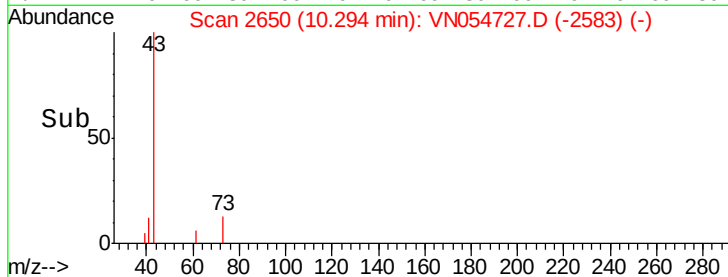
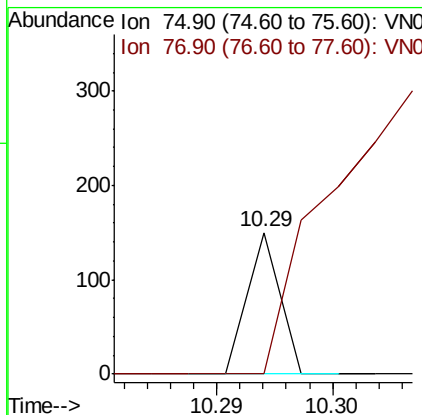
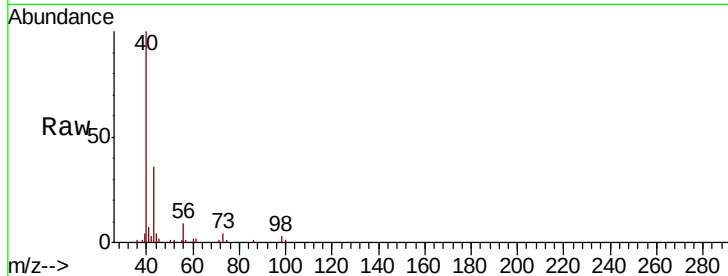




#53
t-1,3-Dichloropropene
Concen: 2.235 ug/l
RT: 10.29 min Scan# 2650
Delta R.T. -0.09 min
Lab File: VN054727.D
Acq: 27 Mar 2019 17:28

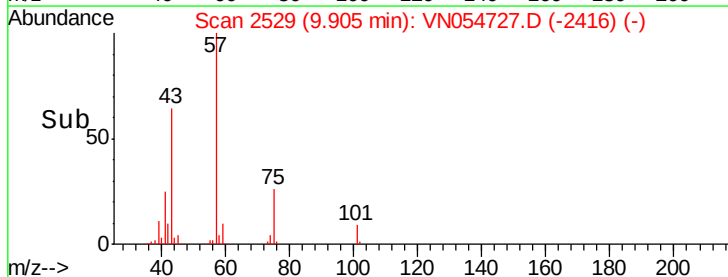
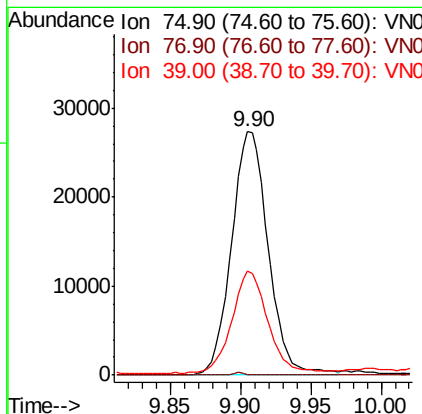
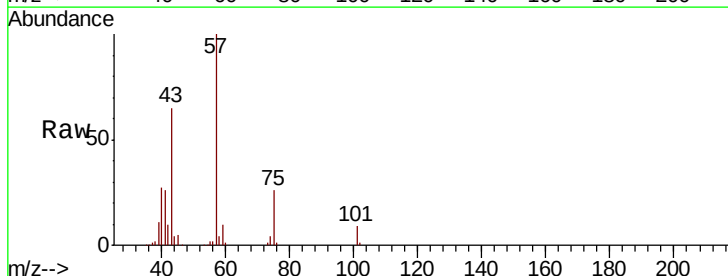
Instrument :
MSVOA_N
ClientSampled :

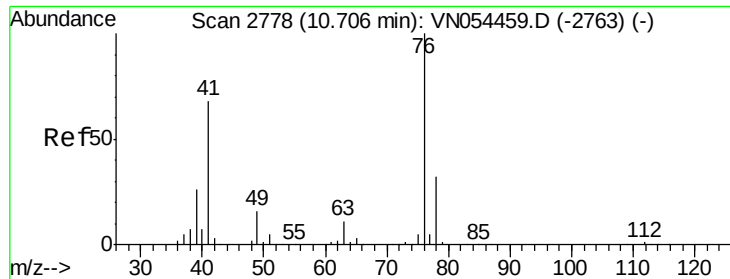
Tot Ion: 75 Resp: 29
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#



#54
cis-1,3-Dichloropropene
Concen: 5.573 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.06 min
Lab File: VN054727.D
Acq: 27 Mar 2019 17:28

Tgt Ion: 75 Resp: 49818
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 41.6 37.2 55.8

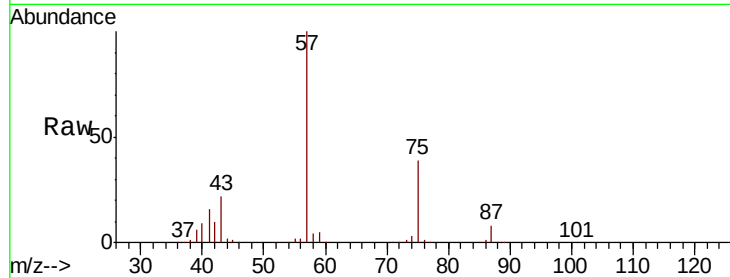




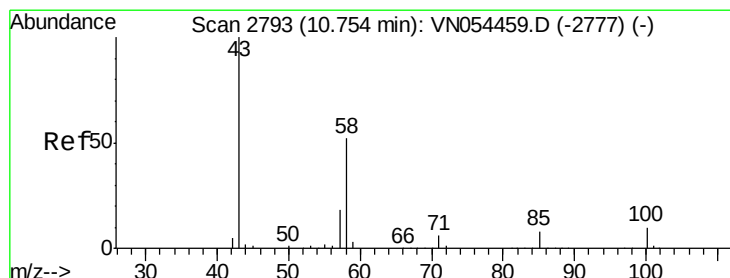
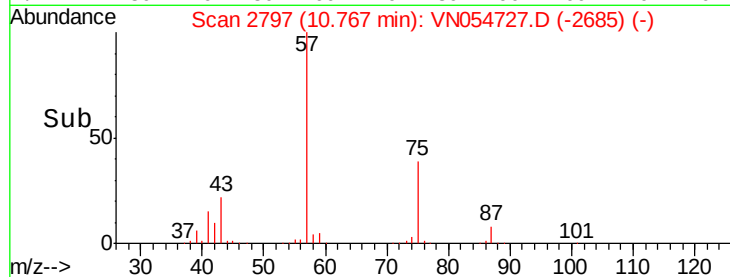
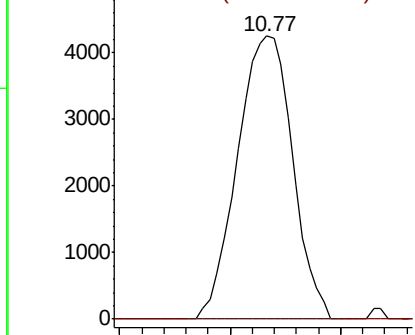
#57
 1,3-Dichloropropane
 Concen: 0.816 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054727.D
 Acq: 27 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 76 Resp: 7354
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

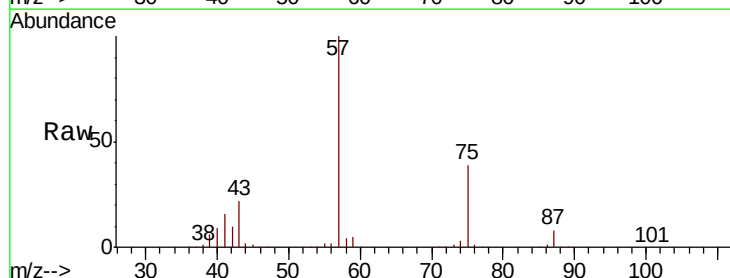


Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

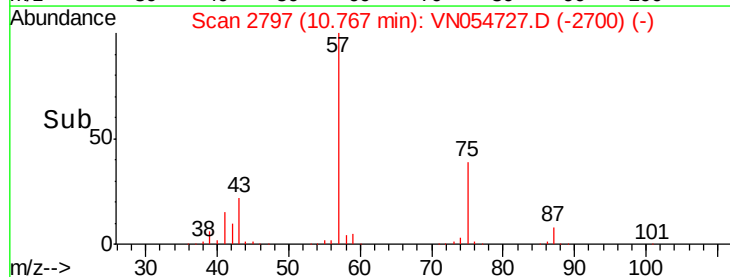
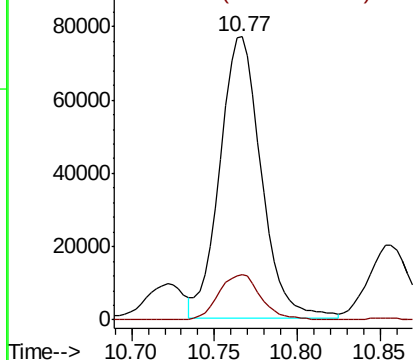


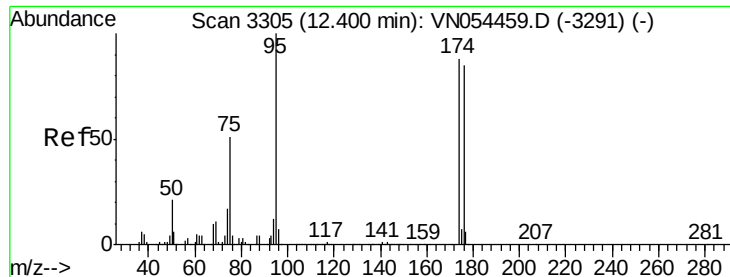
#59
 2-Hexanone
 Concen: 37.338 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054727.D
 Acq: 27 Mar 2019 17:28

Tgt Ion: 43 Resp: 133134
 Ion Ratio Lower Upper
 43 100
 58 16.6 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 44.362 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampled :

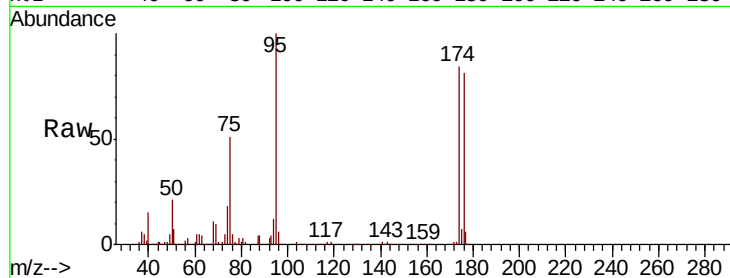
Tot Ion: 95 Resp: 320651

Ion Ratio Lower Upper

95 100

174 84.0 0.0 191.0

176 81.7 0.0 187.4

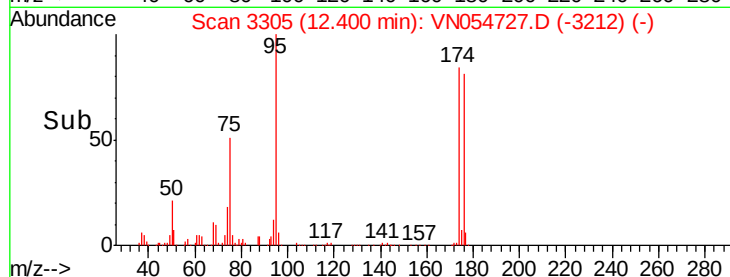


Abundance Ion 94.90 (94.60 to 95.60): VN054727.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054727.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054727.D (-2903) (-)

Time--> 12.30 12.40 12.50

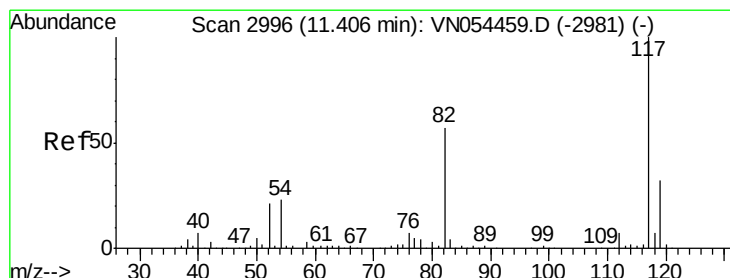


Abundance Ion 94.90 (94.60 to 95.60): VN054727.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054727.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054727.D (-2903) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

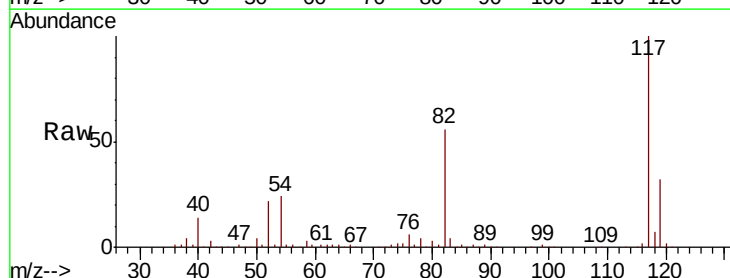
Tgt Ion: 117 Resp: 736430

Ion Ratio Lower Upper

117 100

82 56.3 40.0 60.0

119 32.5 25.8 38.6

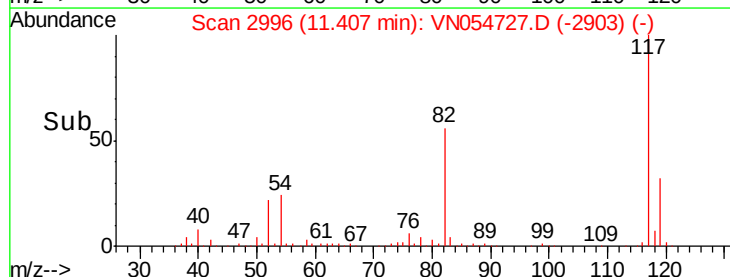


Abundance Ion 116.90 (116.60 to 117.60): VN054727.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054727.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054727.D (-2903) (-)

Time--> 11.30 11.40 11.50 11.60

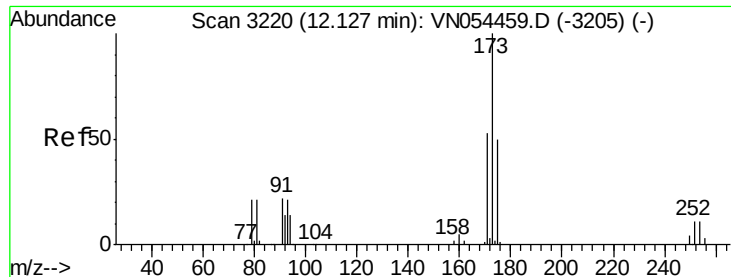


Abundance Ion 116.90 (116.60 to 117.60): VN054727.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054727.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054727.D (-2903) (-)

Time--> 11.30 11.40 11.50 11.60



#71

Bromoform

Concen: 2.906 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

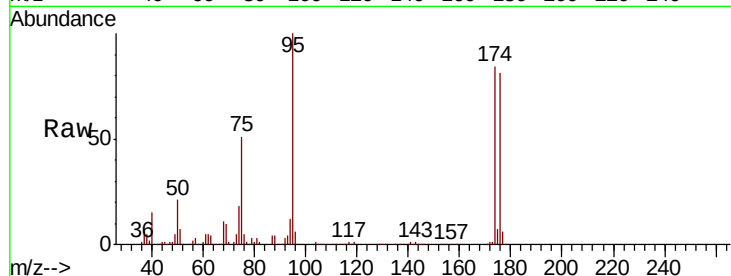
Tot Ion:173 Resp: 2661

Ion Ratio Lower Upper

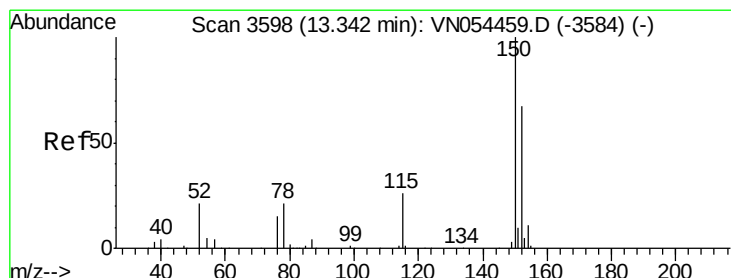
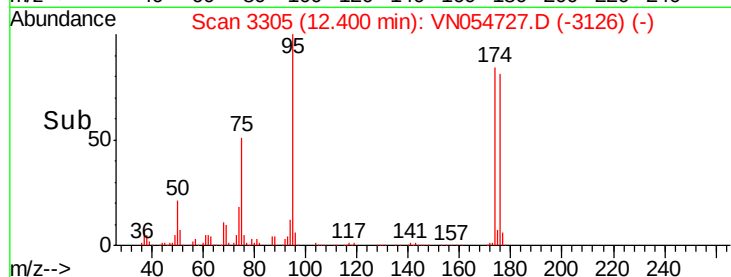
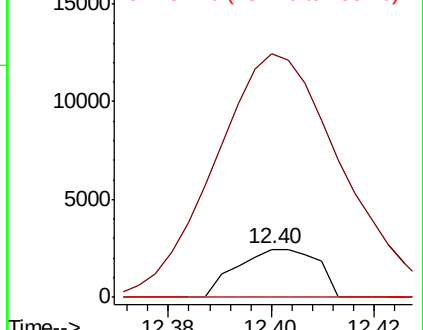
173 100

175 688.2 24.4 73.2#

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: VN054727.D

Acq: 27 Mar 2019 17:28

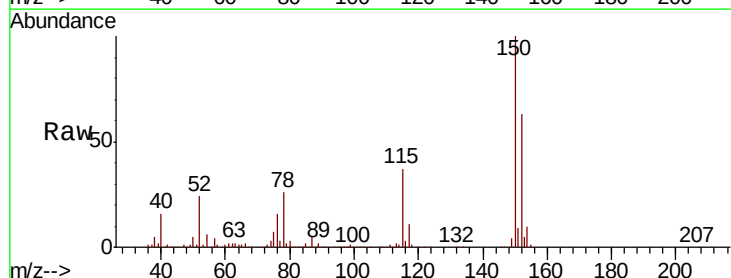
Tgt Ion:152 Resp: 263058

Ion Ratio Lower Upper

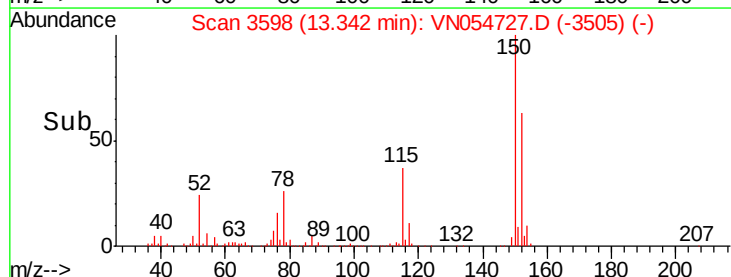
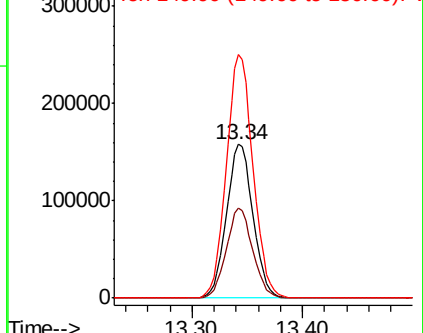
152 100

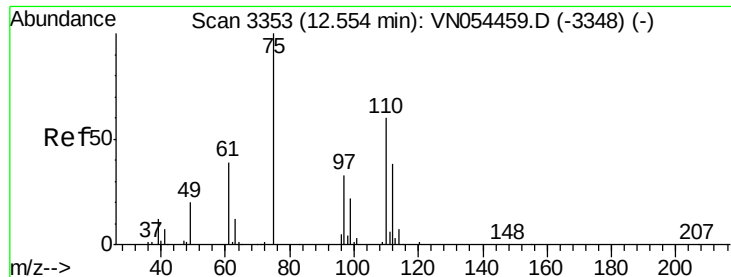
115 58.3 27.2 81.6

150 159.1 0.0 349.2



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: 39.686 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

Instrument :

MSVOA_N

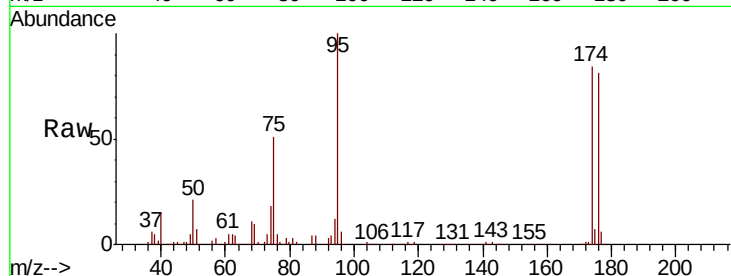
ClientSampleId :

Tot Ion: 75 Resp: 165662

Ion Ratio Lower Upper

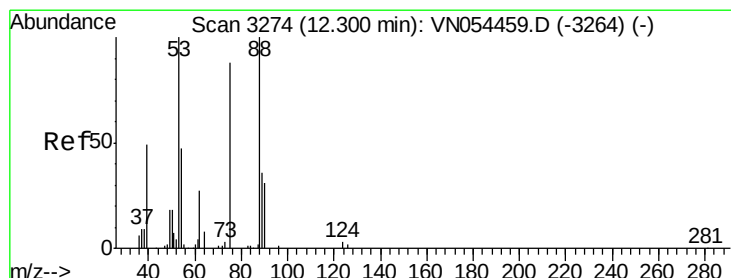
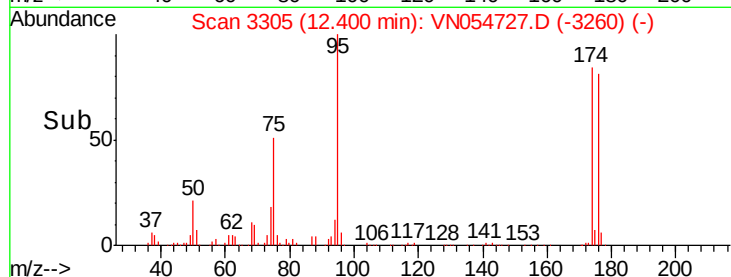
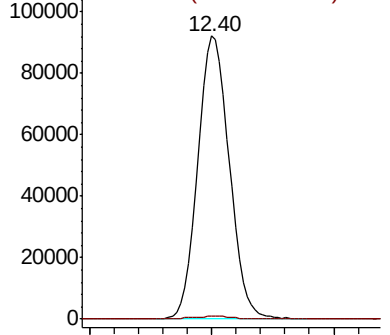
75 100

77 1.1 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: 131.305 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054727.D

Acq: 27 Mar 2019 17:28

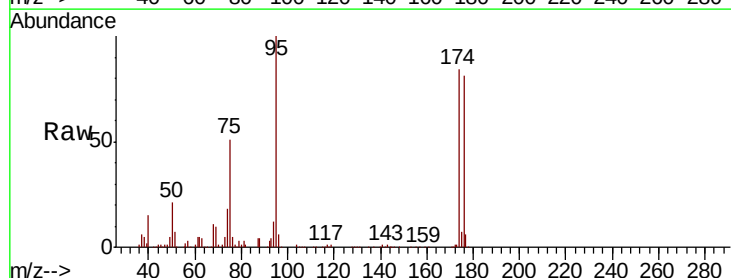
Tgt Ion: 75 Resp: 165662

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

