

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033459.D
 Acq On : 26 Mar 2019 6:06
 Operator : SY/AP
 Sample : K1991-10DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 07:22:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 05:43:39 2019
 QLast Update : Tue Mar 26 05:43:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	705570	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1623891	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1625353	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1276743	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

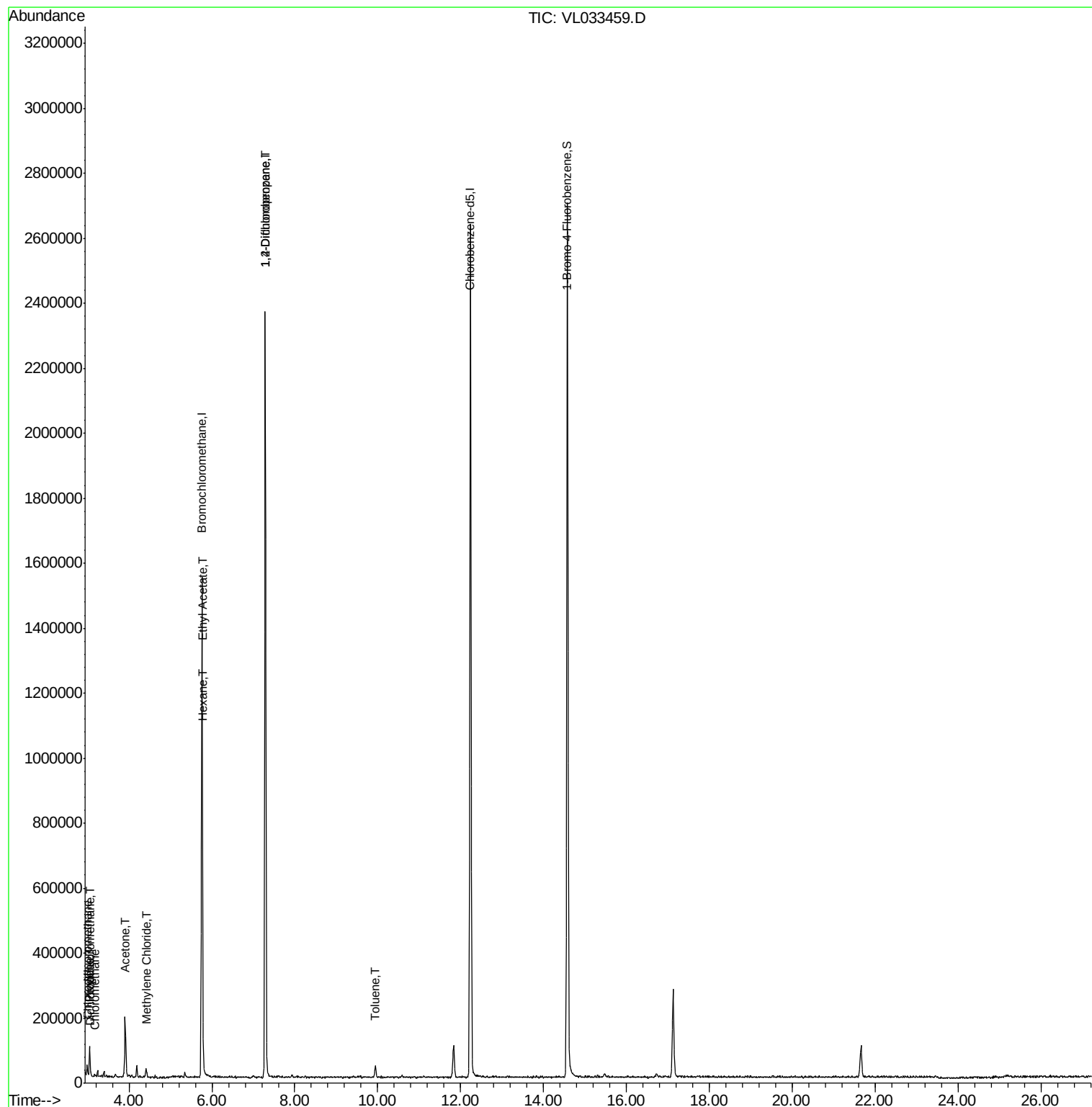
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	6908	0.067 ppbv	94
3) Chlorodifluoromethane	2.99	51	22613	0.278 ppbv #	63
4) Chloromethane	3.17	50	1124	0.026 ppbv	95
9) Propene	3.04	41	18407	0.540 ppbv	84
15) Acetone	3.90	43	199001	2.346 ppbv	98
20) Methylene Chloride	4.41	84	7864	0.218 ppbv #	92
25) Ethyl Acetate	5.78	43	7361	0.047 ppbv #	76
26) Hexane	5.78	57	10052	0.144 ppbv #	39
39) 1,2-Dichloropropane	7.29	63	429702	8.051 ppbv #	23
53) Toluene	9.94	91	26637	0.168 ppbv	100

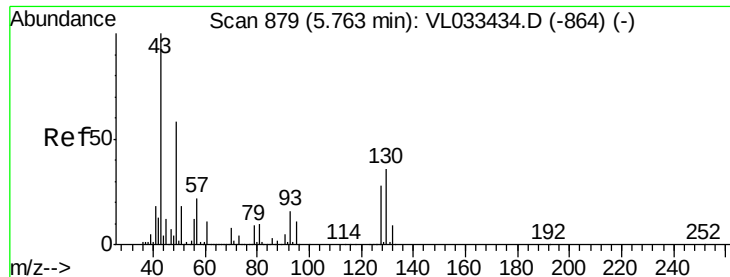
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033459.D

Acq: 26 Mar 2019 6:06

Instrument :
MSVOA_L
ClientSampleId :

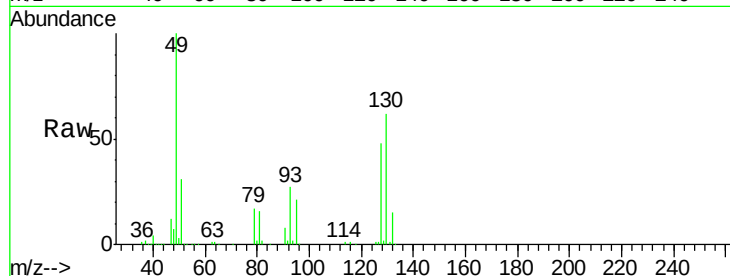
Tot Ion: 49 Resp: 705570

Ion Ratio Lower Upper

49 100

128 48.7 24.0 72.0

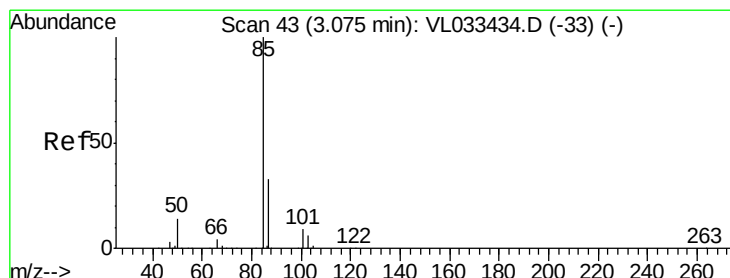
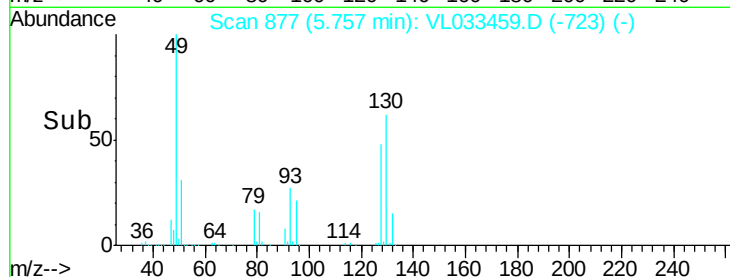
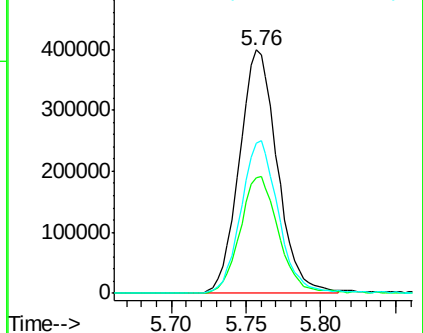
130 62.6 31.2 93.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.067 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033459.D

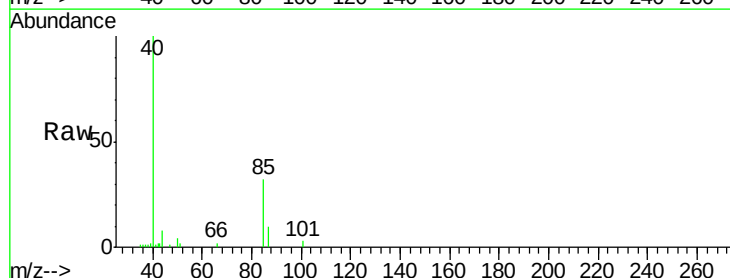
Acq: 26 Mar 2019 6:06

Tgt Ion: 85 Resp: 6908

Ion Ratio Lower Upper

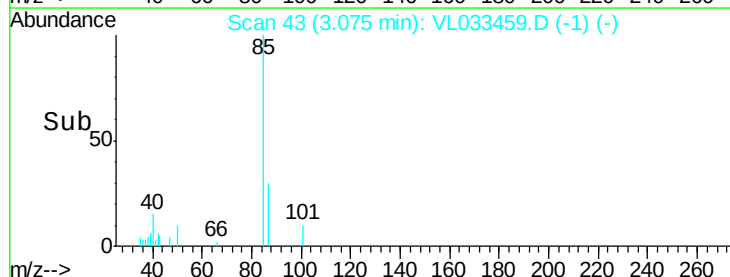
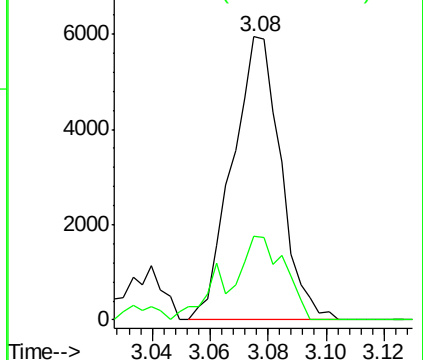
85 100

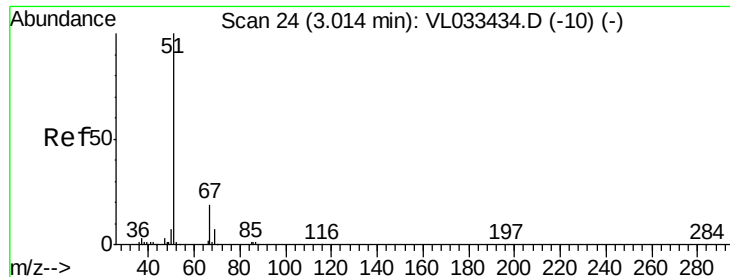
87 29.7 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

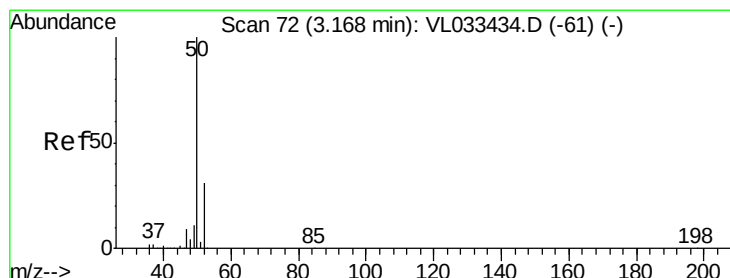
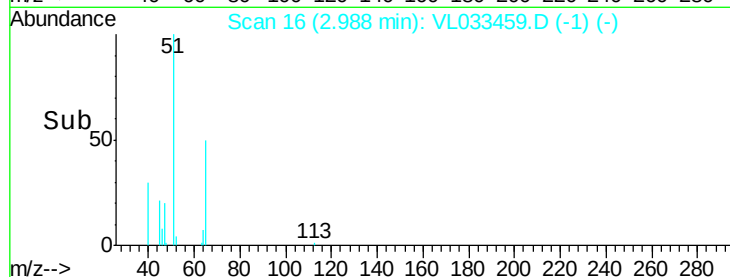
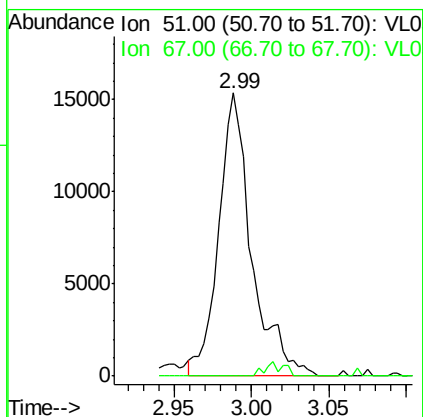
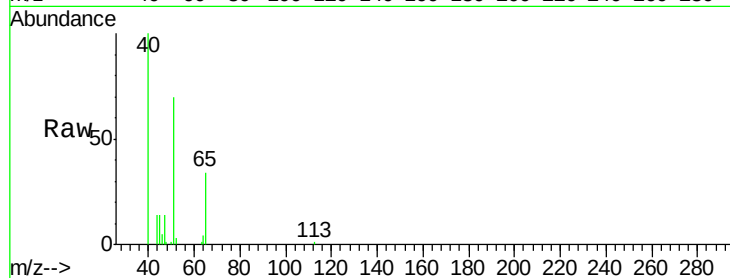




#3
Chlorodifluoromethane
Concen: 0.278 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.03 min
Lab File: VL033459.D
Acq: 26 Mar 2019 6:06

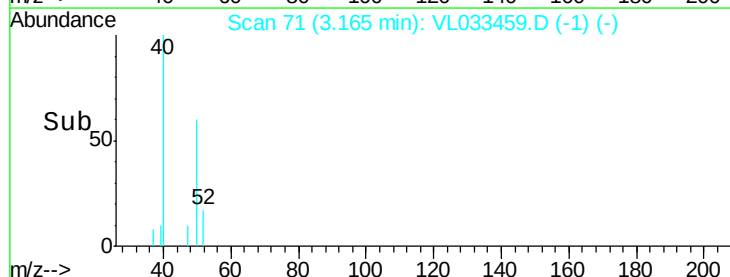
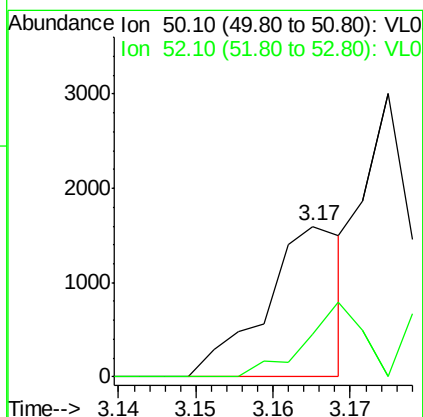
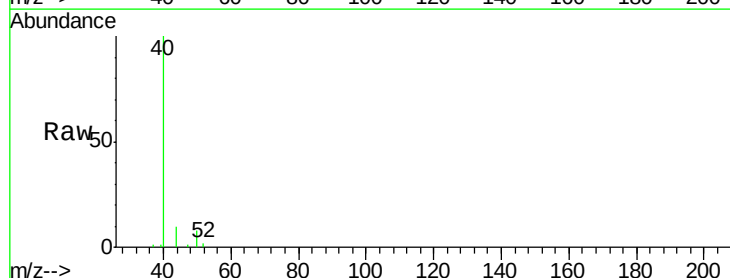
Instrument :
MSVOA_L
ClientSampleId :

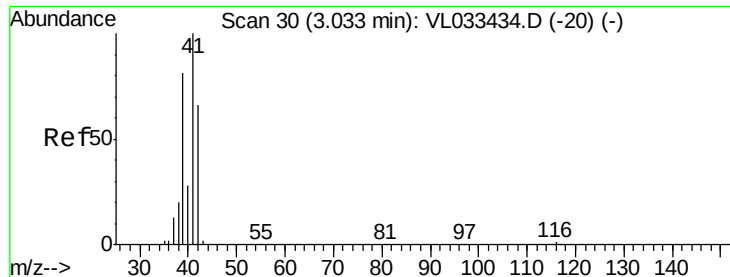
Tot Ion: 51 Resp: 22613
Ion Ratio Lower Upper
51 100
67 2.9 15.7 23.5#



#4
Chloromethane
Concen: 0.026 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033459.D
Acq: 26 Mar 2019 6:06

Tgt Ion: 50 Resp: 1124
Ion Ratio Lower Upper
50 100
52 28.8 25.0 37.6





#9

Propene

Concen: 0.540 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033459.D

Acq: 26 Mar 2019 6:06

Instrument :

MSVOA_L

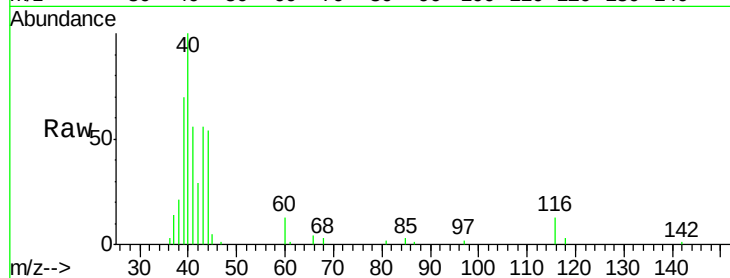
ClientSampleId :

Tot Ion: 41 Resp: 18407

Ion Ratio Lower Upper

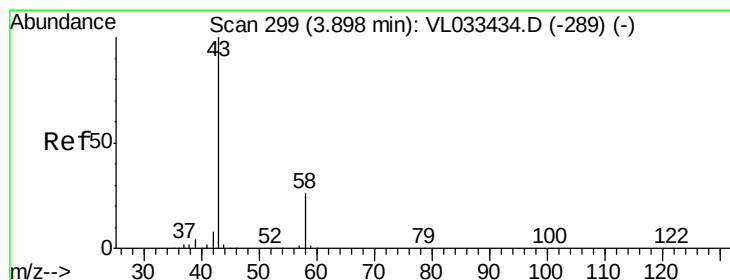
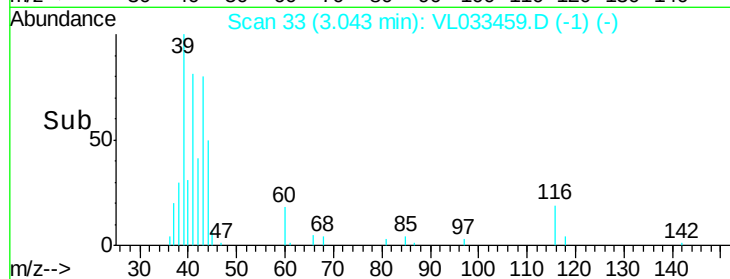
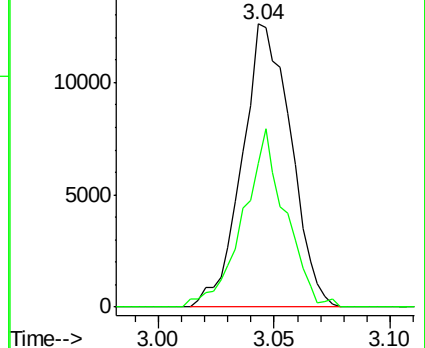
41 100

42 54.9 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#15

Acetone

Concen: 2.346 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033459.D

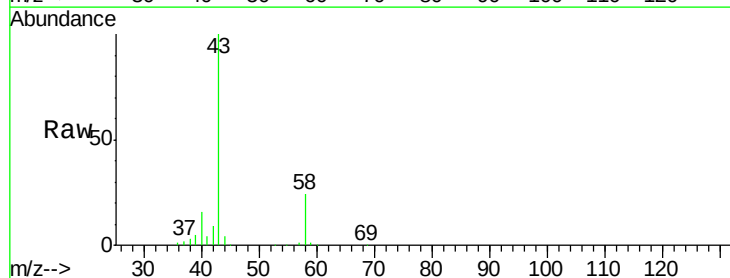
Acq: 26 Mar 2019 6:06

Tgt Ion: 43 Resp: 199001

Ion Ratio Lower Upper

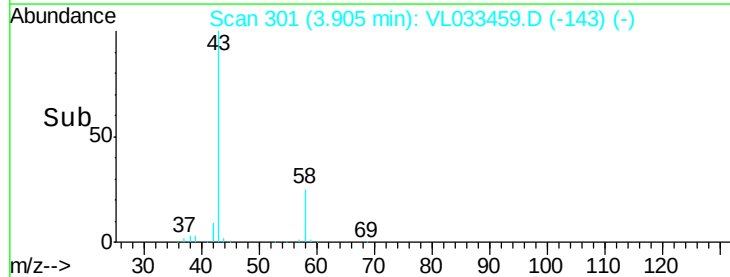
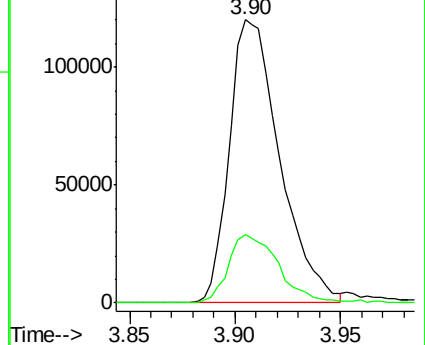
43 100

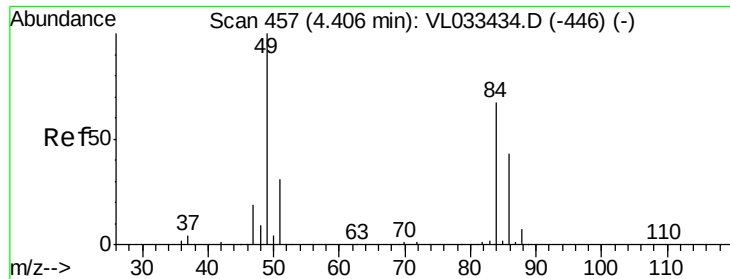
58 24.4 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

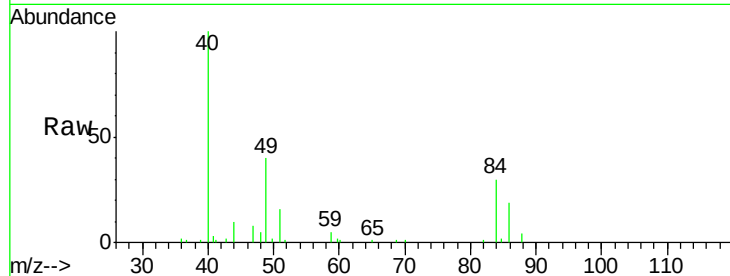




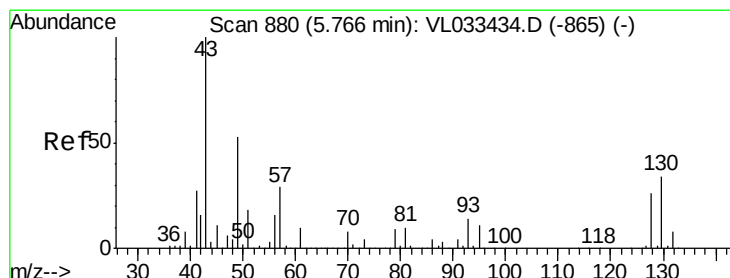
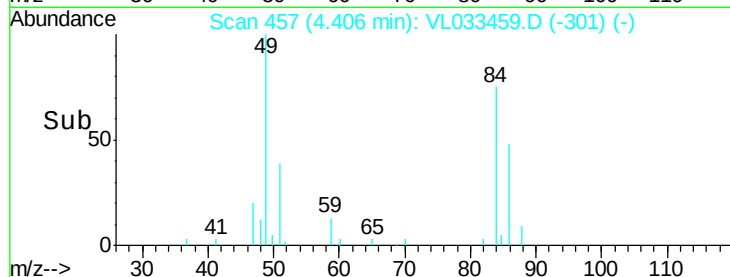
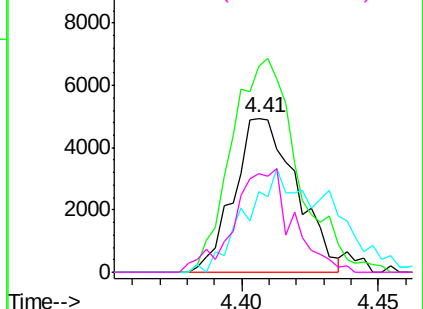
#20
Methylene Chloride
Concen: 0.218 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033459.D
Acq: 26 Mar 2019 6:06

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 7864
Ion Ratio Lower Upper
84 100
49 140.6 120.0 180.0
51 56.0 36.7 55.1#
86 60.7 51.9 77.9

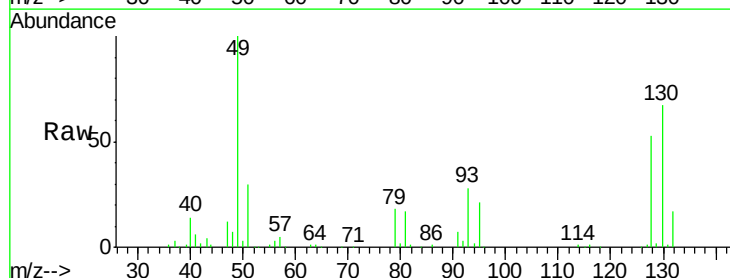


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

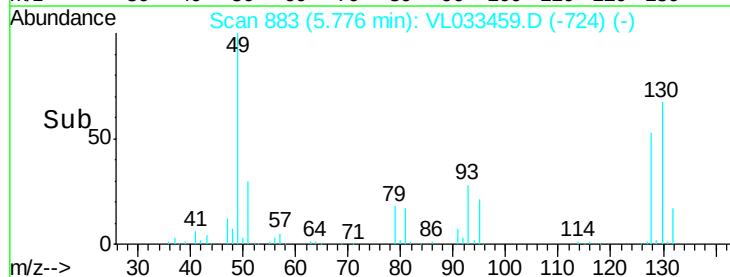
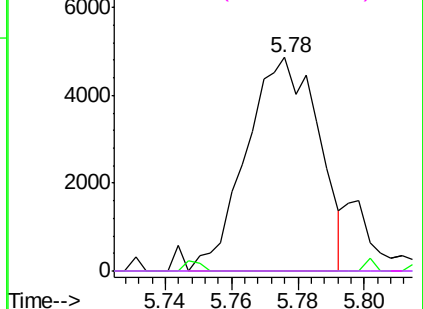


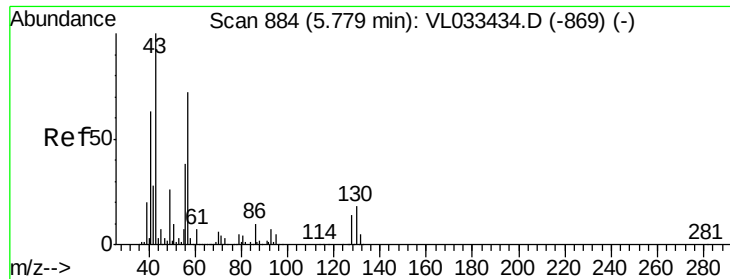
#25
Ethyl Acetate
Concen: 0.047 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033459.D
Acq: 26 Mar 2019 6:06

Tgt Ion: 43 Resp: 7361
Ion Ratio Lower Upper
43 100
45 0.0 7.8 11.6#
61 0.0 7.3 10.9#
70 0.0 5.6 8.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

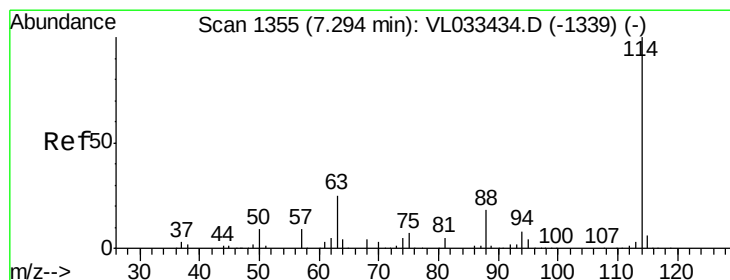
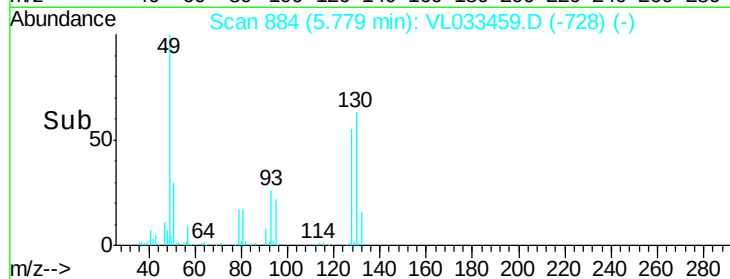
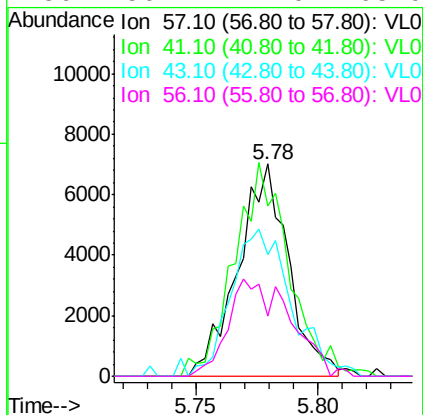
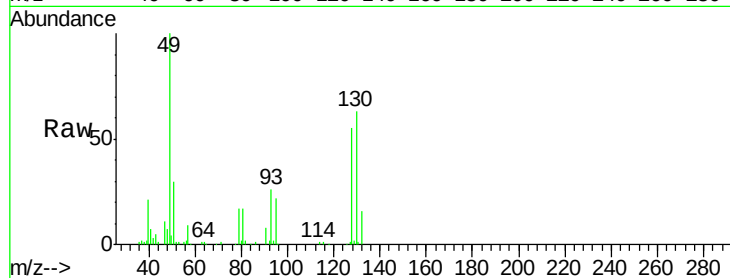




#26
Hexane
Concen: 0.144 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033459.D
Acq: 26 Mar 2019 6:06

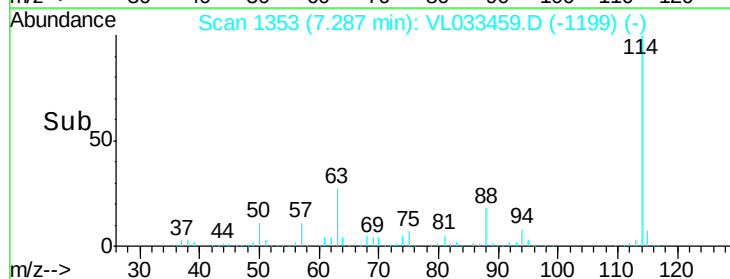
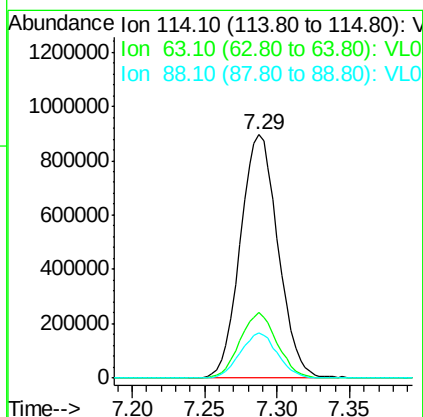
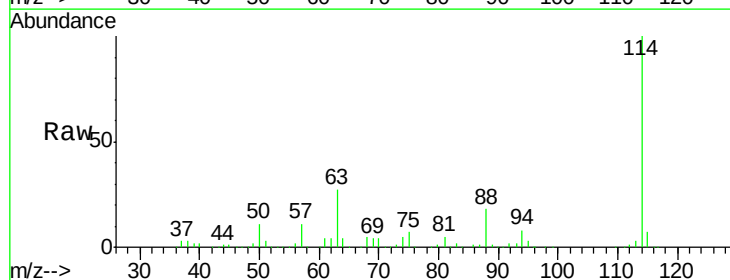
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ClientSampleId :

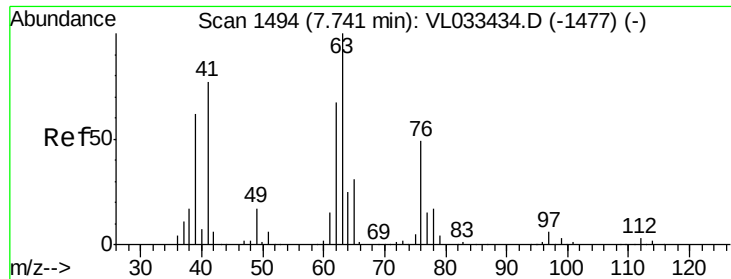
Tot Ion: 57 Resp: 10052
Ion Ratio Lower Upper
57 100
41 110.0 70.7 106.1#
43 84.2 182.6 274.0#
56 56.7 42.0 63.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033459.D
Acq: 26 Mar 2019 6:06

Tgt Ion: 114 Resp: 1623891
Ion Ratio Lower Upper
114 100
63 26.5 21.5 32.3
88 18.2 14.5 21.7

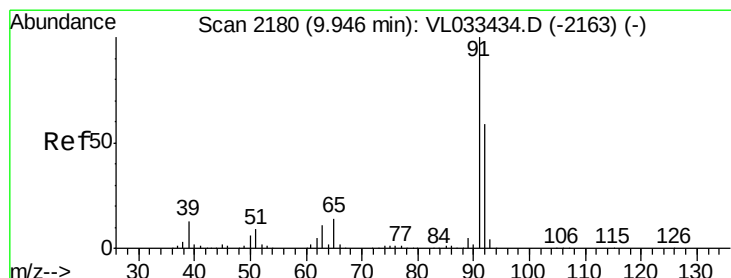
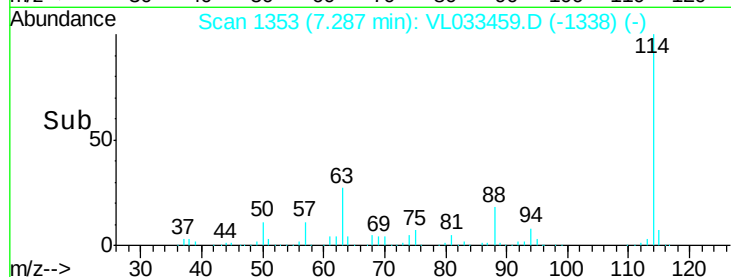
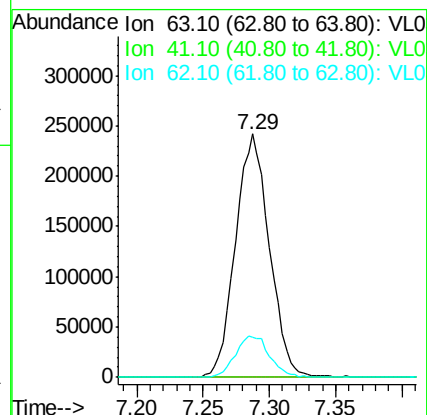
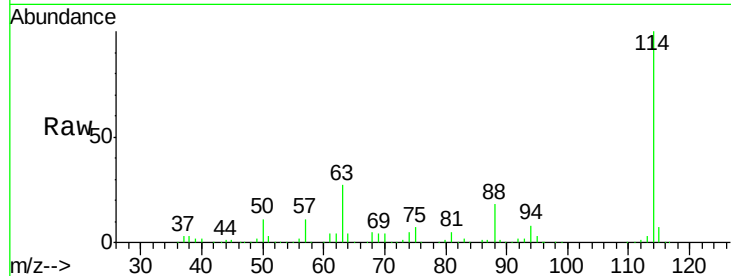




#39
 1,2-Dichloropropane
 Concen: 8.051 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.45 min
 Lab File: VL033459.D
 Acq: 26 Mar 2019 6:06

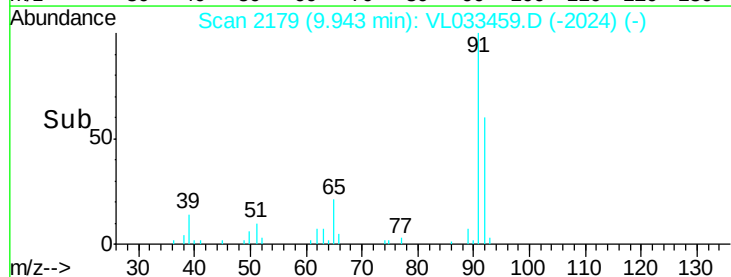
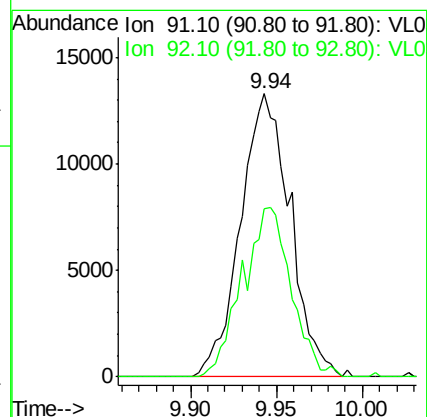
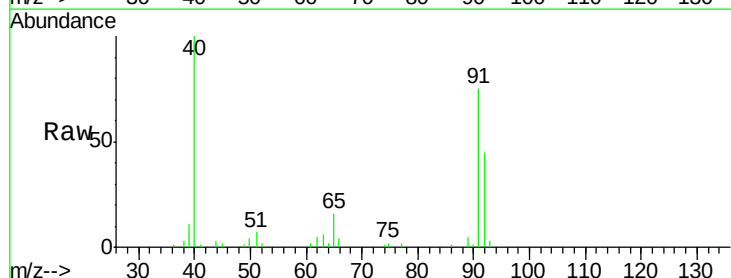
Instrument :
 MSVOA_L
 ClientSampleId :

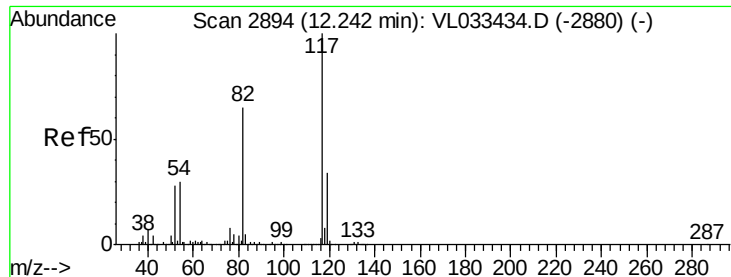
Tot Ion: 63 Resp: 429702
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.2 91.8#
 62 16.5 54.0 81.0#



#53
 Toluene
 Concen: 0.168 ppbv
 RT: 9.94 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VL033459.D
 Acq: 26 Mar 2019 6:06

Tgt Ion: 91 Resp: 26637
 Ion Ratio Lower Upper
 91 100
 92 59.0 47.4 71.0

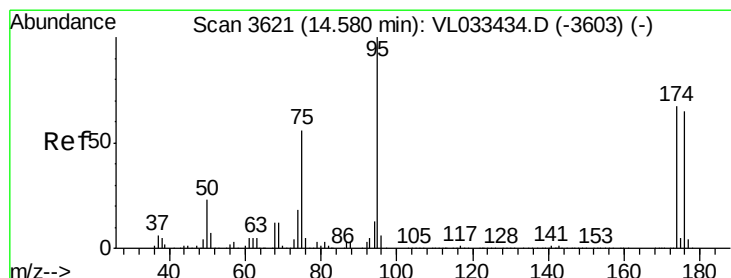
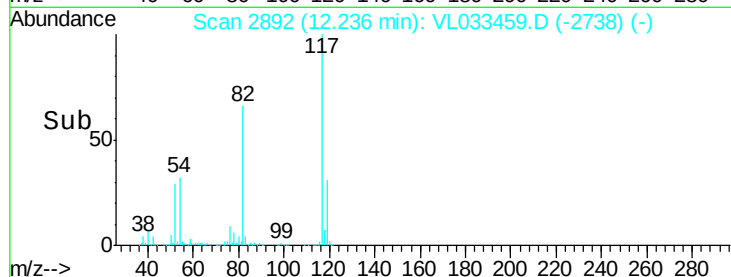
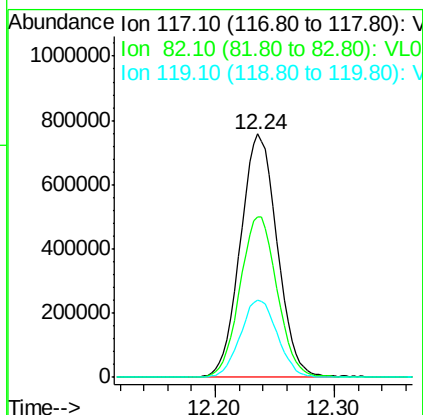
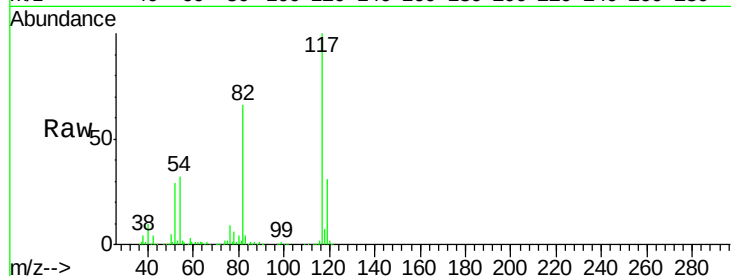




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033459.D
Acq: 26 Mar 2019 6:06

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 1625353
Ion Ratio Lower Upper
117 100
82 67.2 51.5 77.3
119 32.2 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.020 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033459.D
Acq: 26 Mar 2019 6:06

Tgt Ion: 95 Resp: 1276743
Ion Ratio Lower Upper
95 100
174 65.7 52.9 79.3
175 4.8 3.8 5.6

