

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033355.D
 Acq On : 16 Mar 2019 7:04
 Operator : SY/AP
 Sample : K1805-01DL2 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 18 07:53:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	705815	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1554102	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1765284	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1339418	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

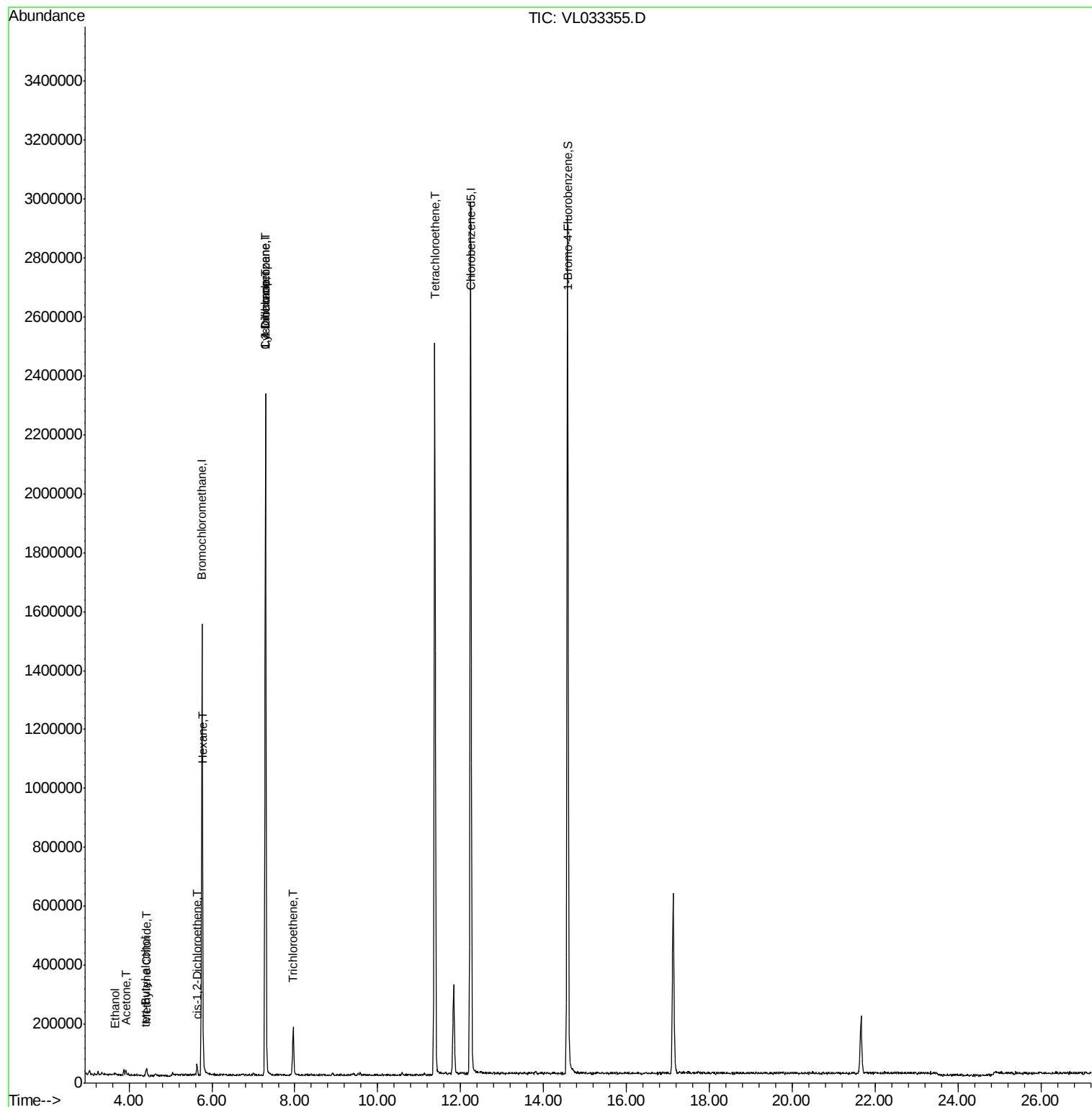
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	420	0.024	ppbv #	38
15) Acetone	3.92	43	7452	0.068	ppbv #	50
17) tert-Butyl alcohol	4.39	59	425	0.028	ppbv #	74
20) Methylene Chloride	4.41	84	3833	0.107	ppbv #	81
26) Hexane	5.78	57	1843	0.026	ppbv #	39
30) Cyclohexane	7.28	84	1181	0.021	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	14313	0.201	ppbv #	89
38) Trichloroethene	7.96	130	48228	0.916	ppbv	88
39) 1,2-Dichloropropane	7.29	63	427357	8.205	ppbv #	24
52) Tetrachloroethene	11.38	164	593340	10.240	ppbv	99

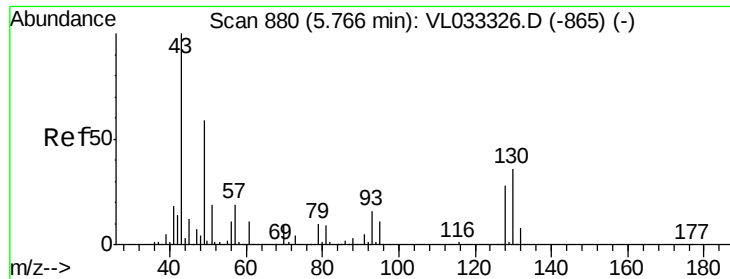
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033355.D

Acq: 16 Mar 2019 7:04

Instrument :
MSVOA_L
ClientSampled :

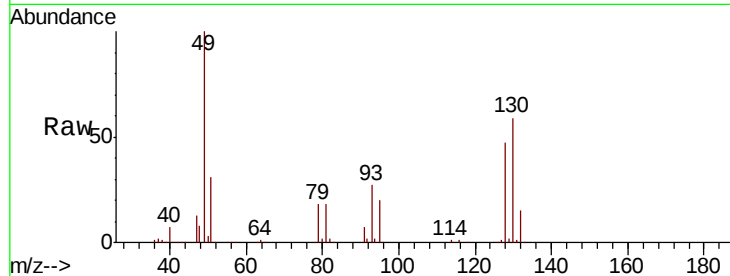
Tot Ion: 49 Resp: 705815

Ion Ratio Lower Upper

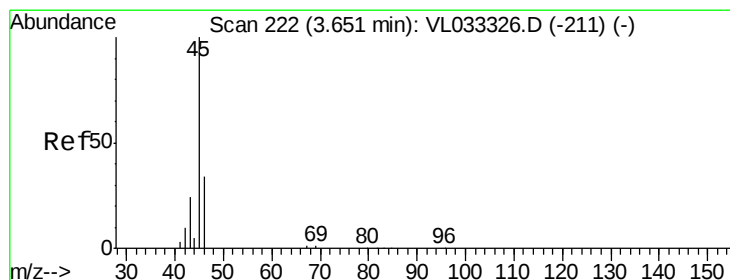
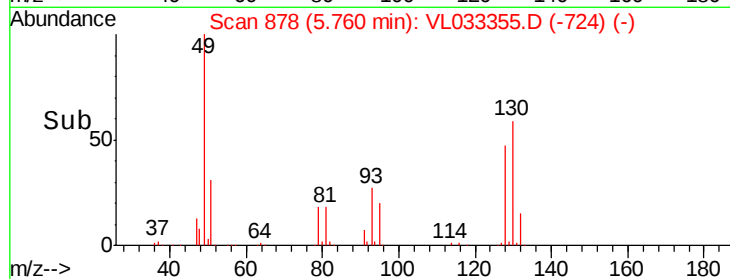
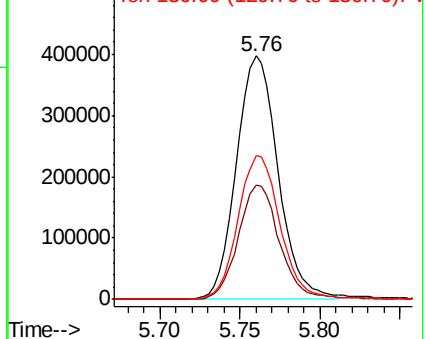
49 100

128 46.7 23.5 70.6

130 60.2 30.1 90.3



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



#13

Ethanol

Concen: 0.024 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033355.D

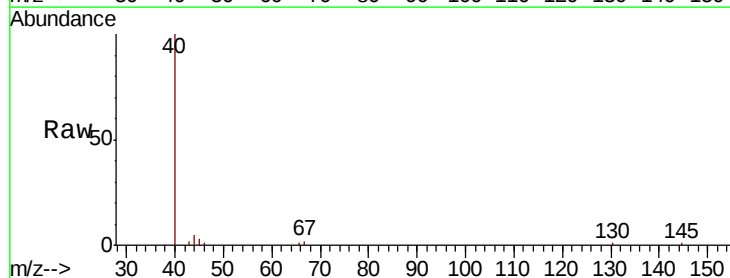
Acq: 16 Mar 2019 7:04

Tgt Ion: 45 Resp: 420

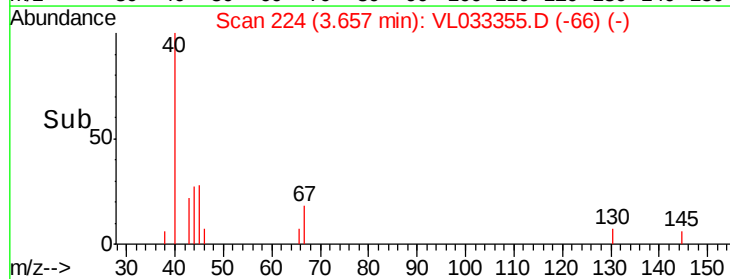
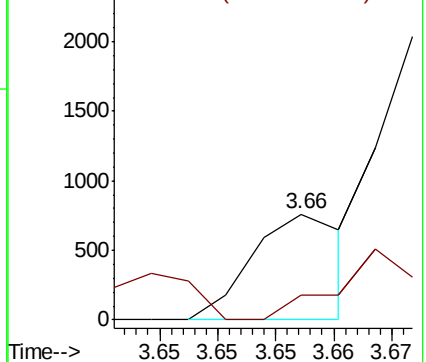
Ion Ratio Lower Upper

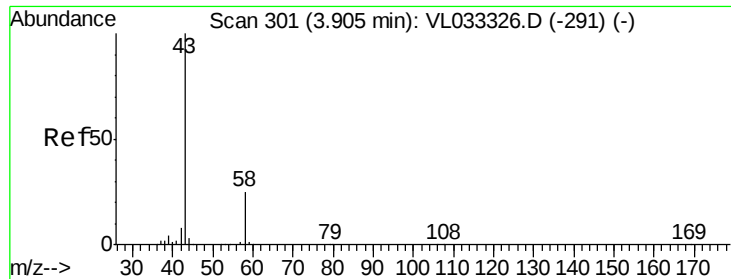
45 100

46 0.0 14.9 59.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.068 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL033355.D

Acq: 16 Mar 2019 7:04

Instrument :

MSVOA_L

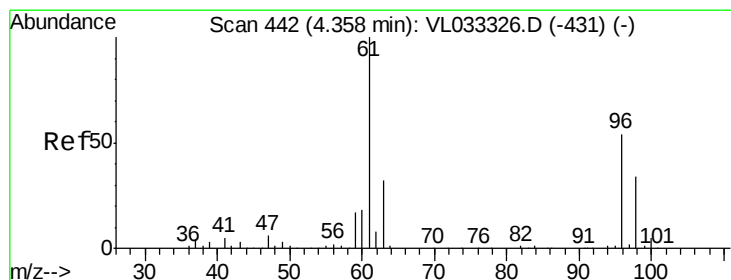
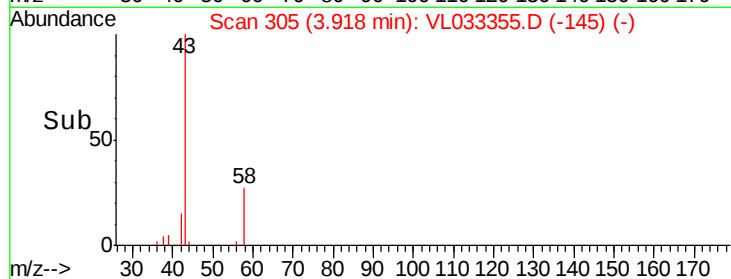
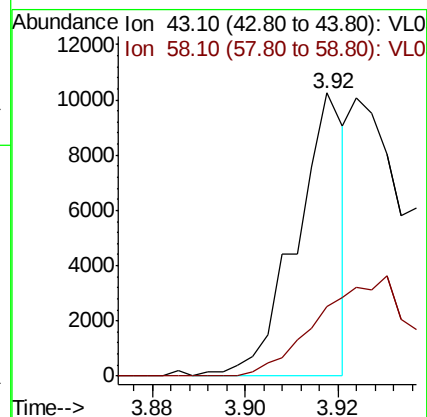
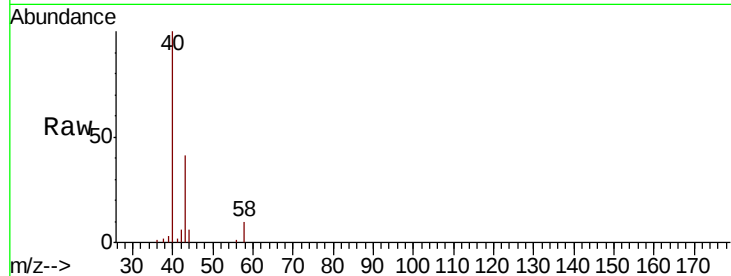
ClientSampleId :

Tot Ion: 43 Resp: 7452

Ion Ratio Lower Upper

43 100

58 0.0 20.4 30.6#



#17

tert-Butyl alcohol

Concen: 0.028 ppbv

RT: 4.39 min Scan# 452

Delta R.T. 0.03 min

Lab File: VL033355.D

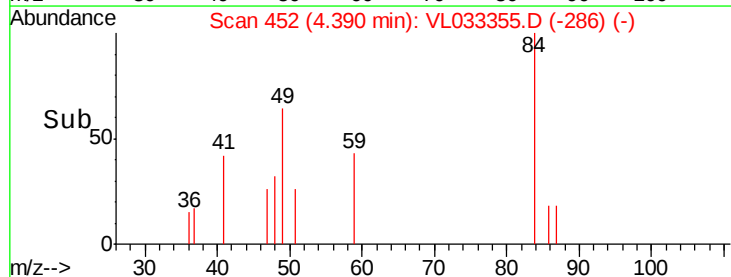
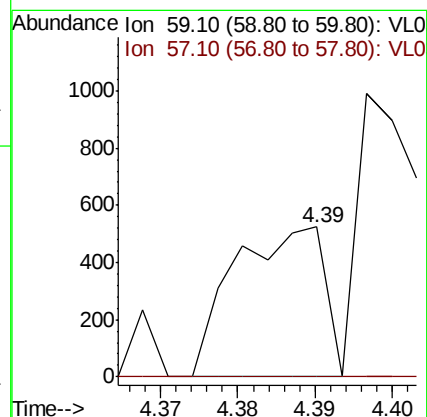
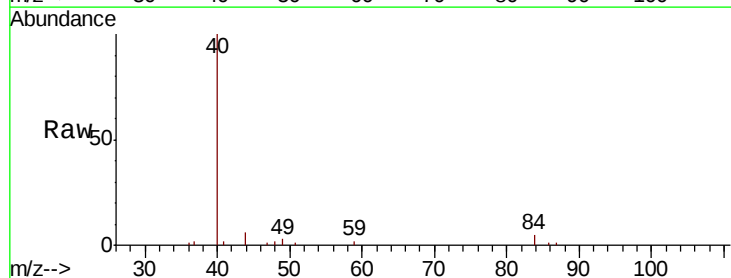
Acq: 16 Mar 2019 7:04

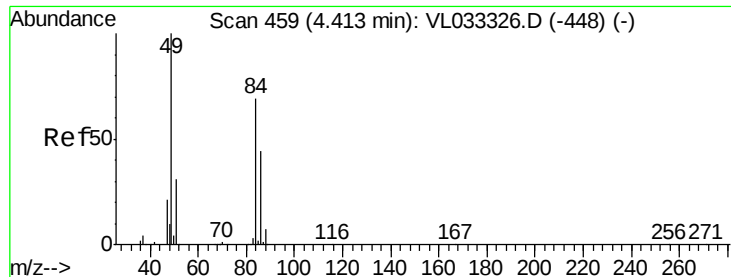
Tgt Ion: 59 Resp: 425

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#20

Methylene Chloride

Concen: 0.107 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033355.D

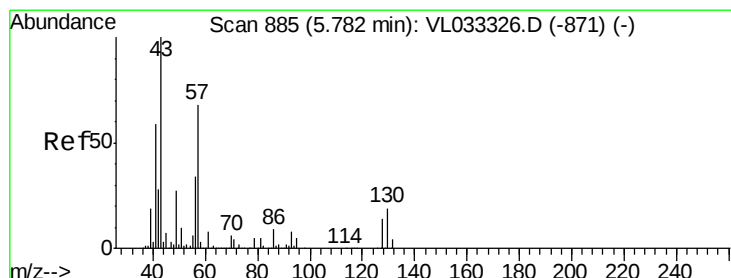
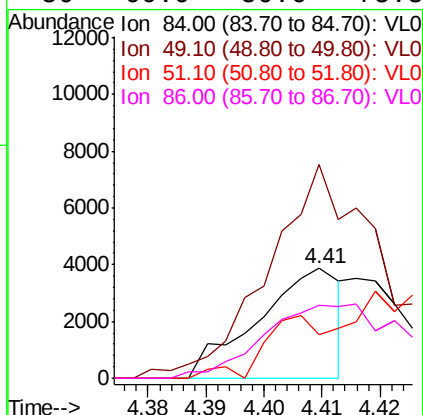
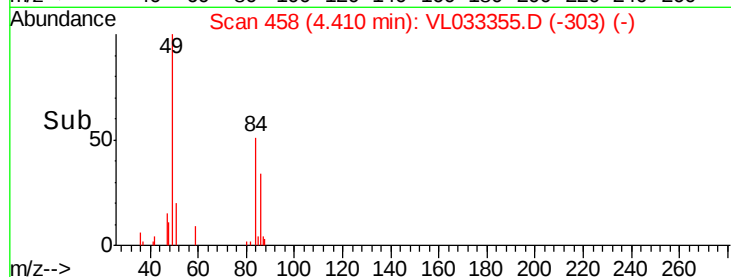
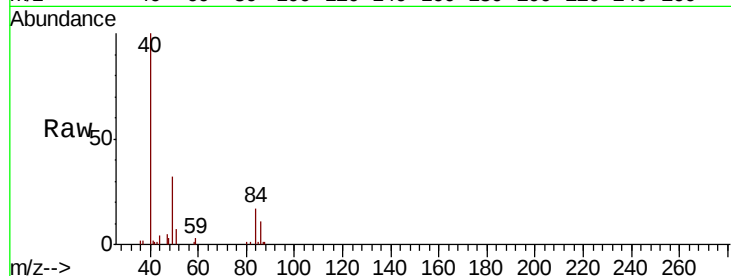
Acq: 16 Mar 2019 7:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 3833

Ion Ratio Lower Upper

84	100		
49	181.5	115.4	173.0#
51	39.5	35.8	53.6
86	60.9	50.6	75.8



#26

Hexane

Concen: 0.026 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

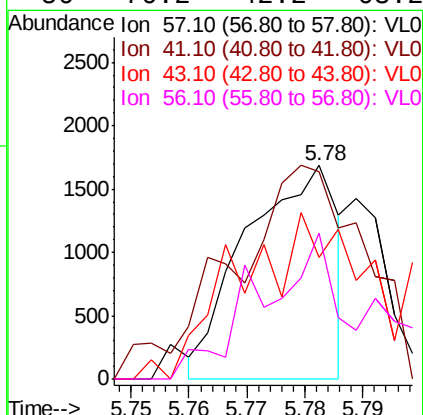
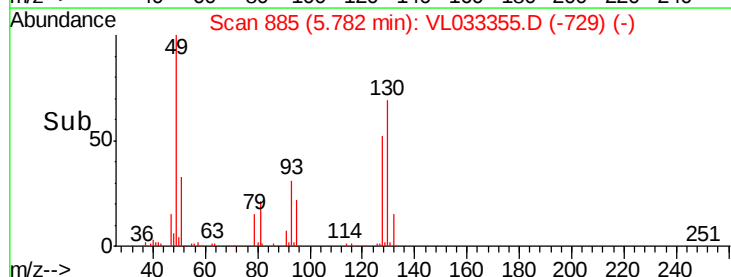
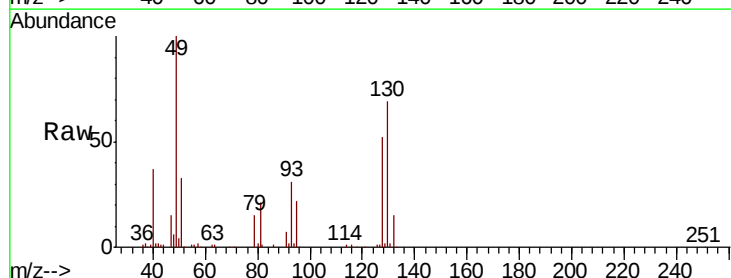
Lab File: VL033355.D

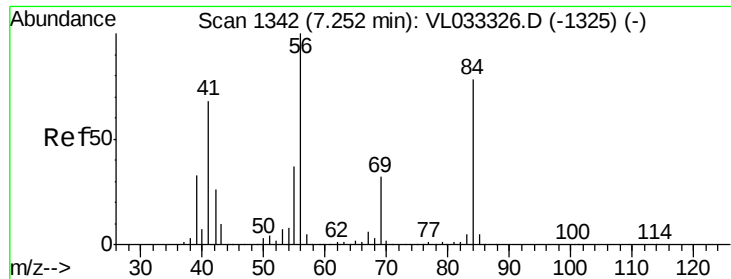
Acq: 16 Mar 2019 7:04

Tgt Ion: 57 Resp: 1843

Ion Ratio Lower Upper

57	100		
41	144.4	70.5	105.7#
43	116.0	181.8	272.8#
56	76.2	42.2	63.2#

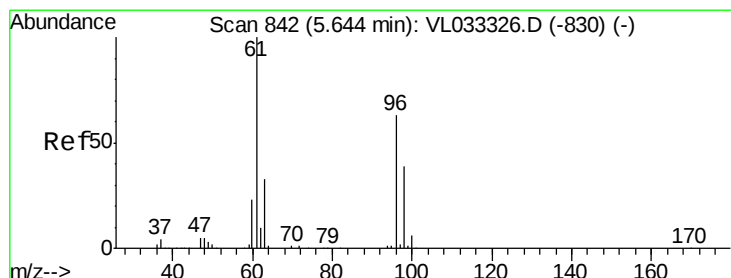
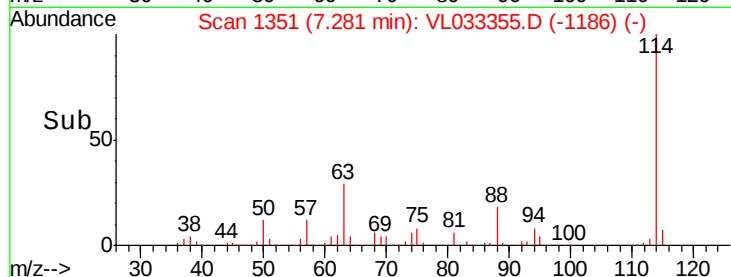
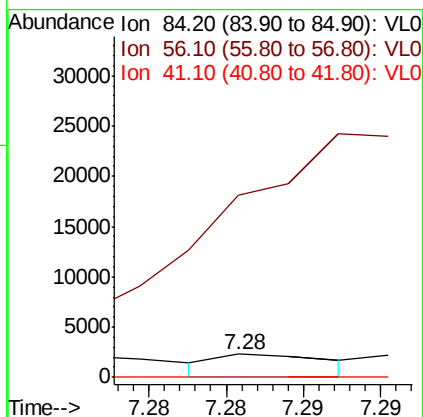
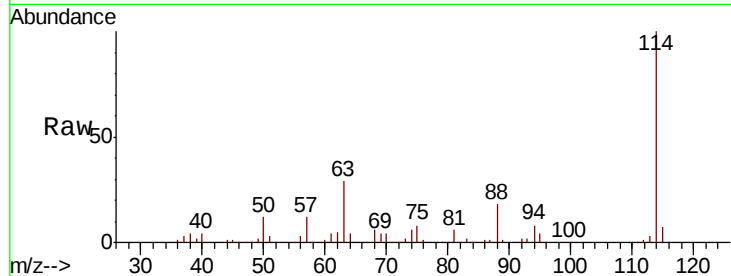




#30
Cyclohexane
Concen: 0.021 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. 0.03 min
Lab File: VL033355.D
Acq: 16 Mar 2019 7:04

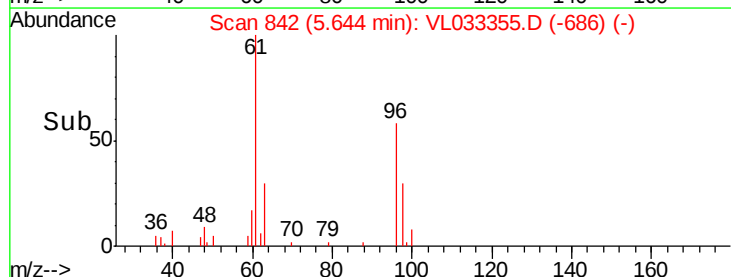
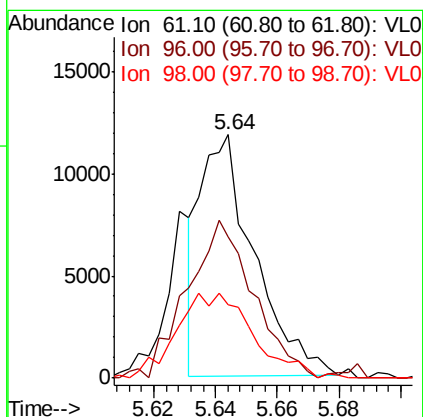
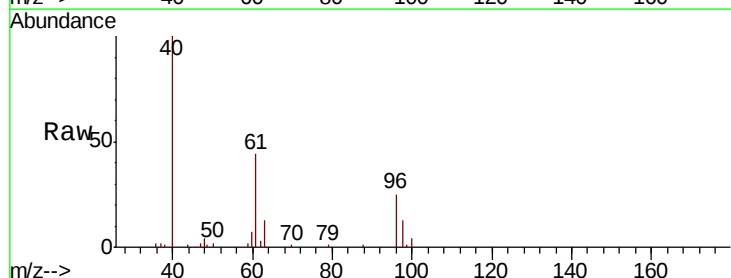
Instrument :
MSVOA_L
ClientSampleId :

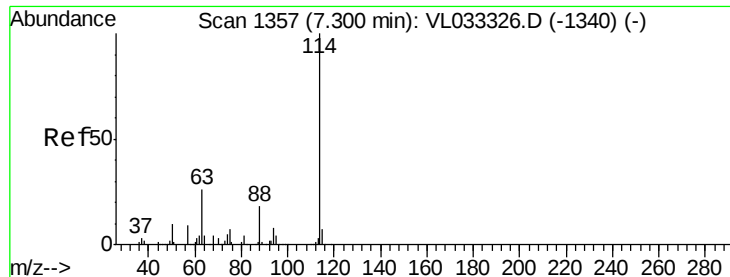
Tot Ion: 84 Resp: 1181
Ion Ratio Lower Upper
84 100
56 0.0 111.3 166.9#
41 0.0 69.6 104.4#



#31
cis-1,2-Dichloroethene
Concen: 0.201 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033355.D
Acq: 16 Mar 2019 7:04

Tgt Ion: 61 Resp: 14313
Ion Ratio Lower Upper
61 100
96 56.5 50.3 75.5
98 30.7 31.5 47.3#

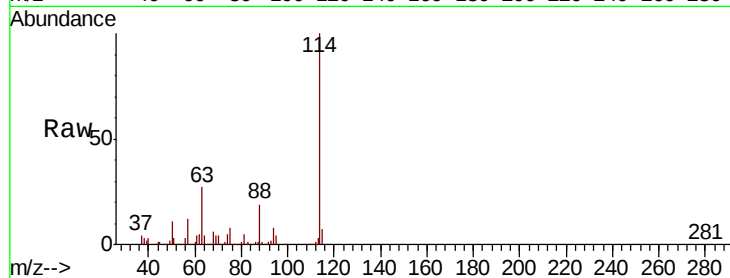




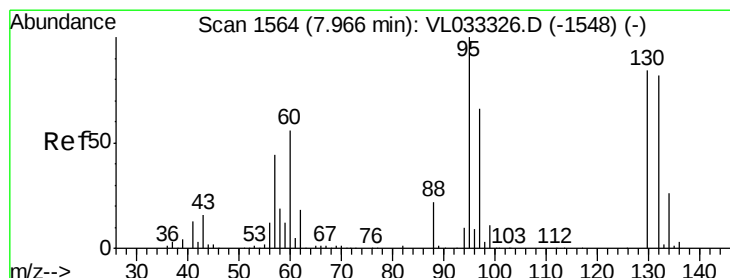
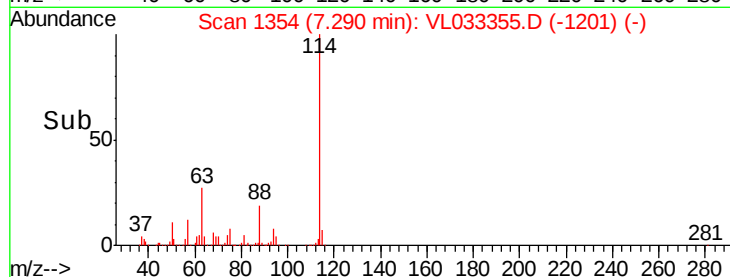
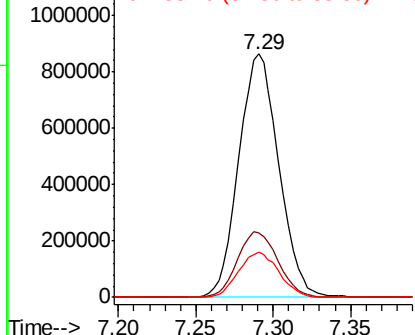
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033355.D
 Acq: 16 Mar 2019 7:04

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 1554102
 Ion Ratio Lower Upper
 114 100
 63 27.6 21.4 32.2
 88 18.8 14.5 21.7

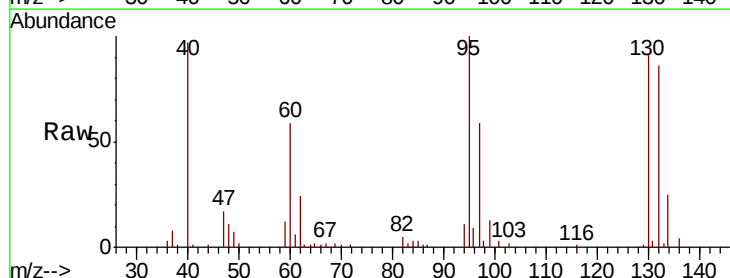


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

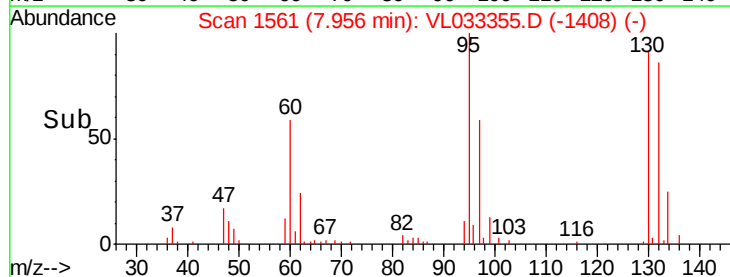
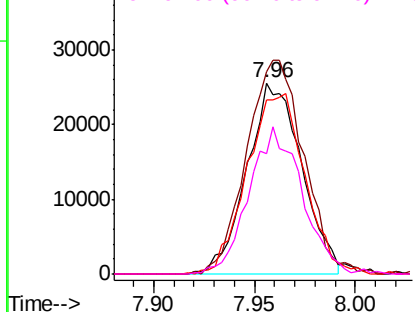


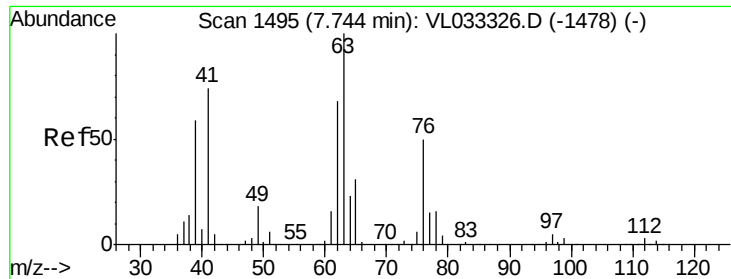
#38
 Trichloroethene
 Concen: 0.916 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033355.D
 Acq: 16 Mar 2019 7:04

Tgt Ion:130 Resp: 48228
 Ion Ratio Lower Upper
 130 100
 95 106.2 95.2 142.8
 132 90.7 77.7 116.5
 97 62.9 62.8 94.2



Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

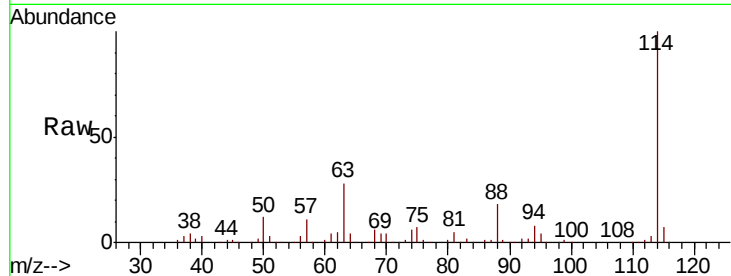




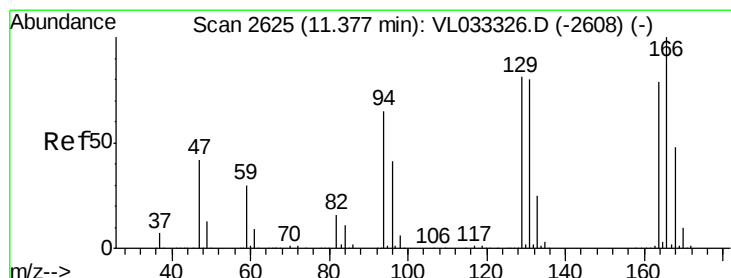
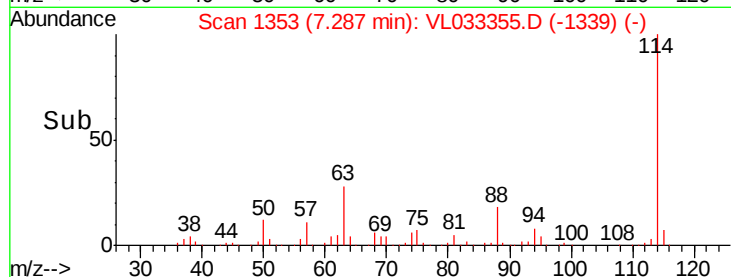
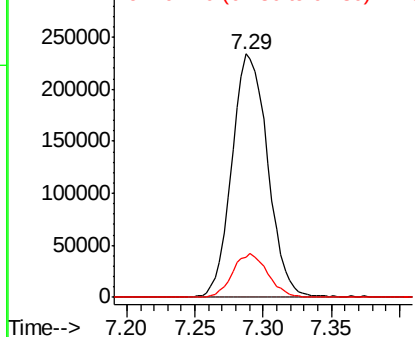
#39
 1,2-Dichloropropane
 Concen: 8.205 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.46 min
 Lab File: VL033355.D
 Acq: 16 Mar 2019 7:04

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 427357
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.5 89.3#
 62 16.5 54.7 82.1#

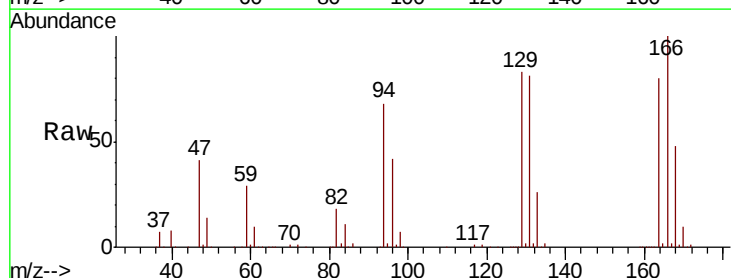


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

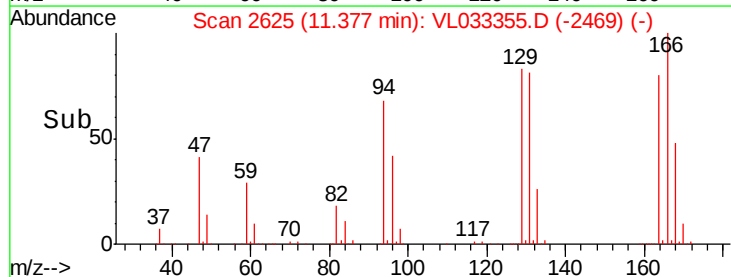
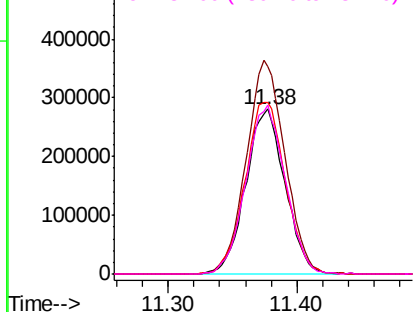


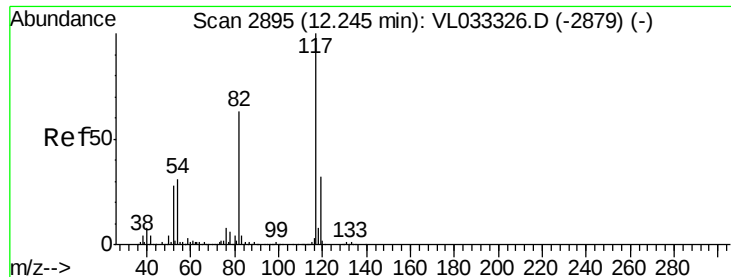
#52
 Tetrachloroethene
 Concen: 10.240 ppbv
 RT: 11.38 min Scan# 2625
 Delta R.T. 0.00 min
 Lab File: VL033355.D
 Acq: 16 Mar 2019 7:04

Tgt Ion:164 Resp: 593340
 Ion Ratio Lower Upper
 164 100
 166 125.6 101.5 152.3
 129 104.1 82.2 123.2
 131 102.2 81.1 121.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 165.90 (165.60 to 166.60): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V

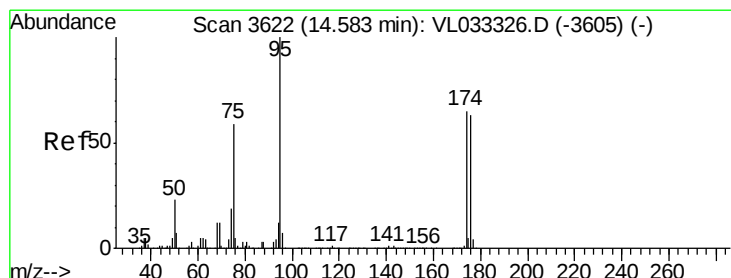
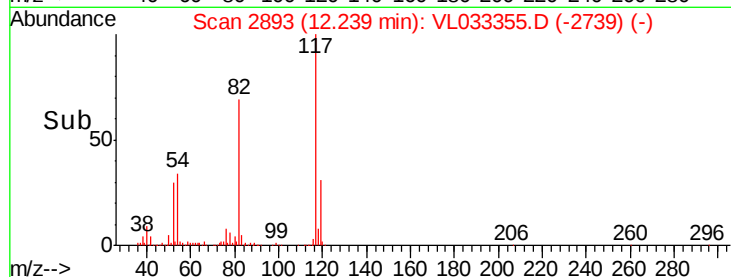
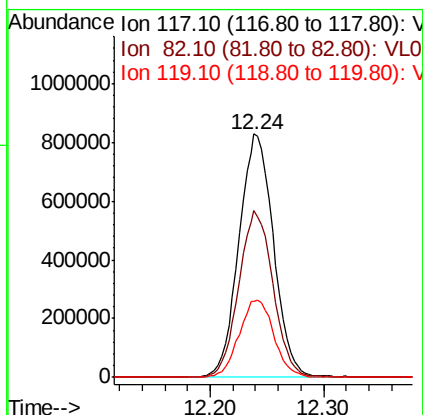
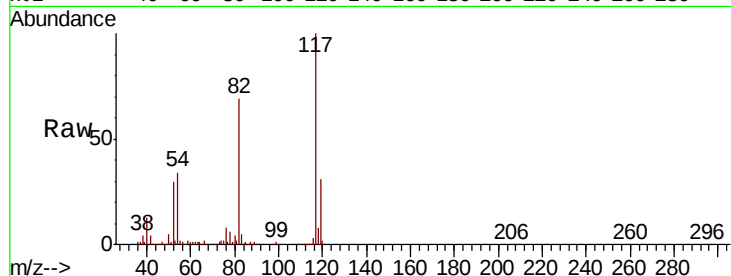




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033355.D
Acq: 16 Mar 2019 7:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 1765284
Ion Ratio Lower Upper
117 100
82 68.2 53.4 80.2
119 32.1 27.3 40.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.240 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033355.D
Acq: 16 Mar 2019 7:04

Tgt Ion: 95 Resp: 1339418
Ion Ratio Lower Upper
95 100
174 63.9 51.5 77.3
175 4.5 3.8 5.6

