

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
 Data File : VL033651.D
 Acq On : 3 May 2019 6:20
 Operator : SY/AP
 Sample : K2628-13DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-13DL

Quant Time: May 03 08:09:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:29:02 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1012413	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2305940	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2360094	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1977976	11.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.10%

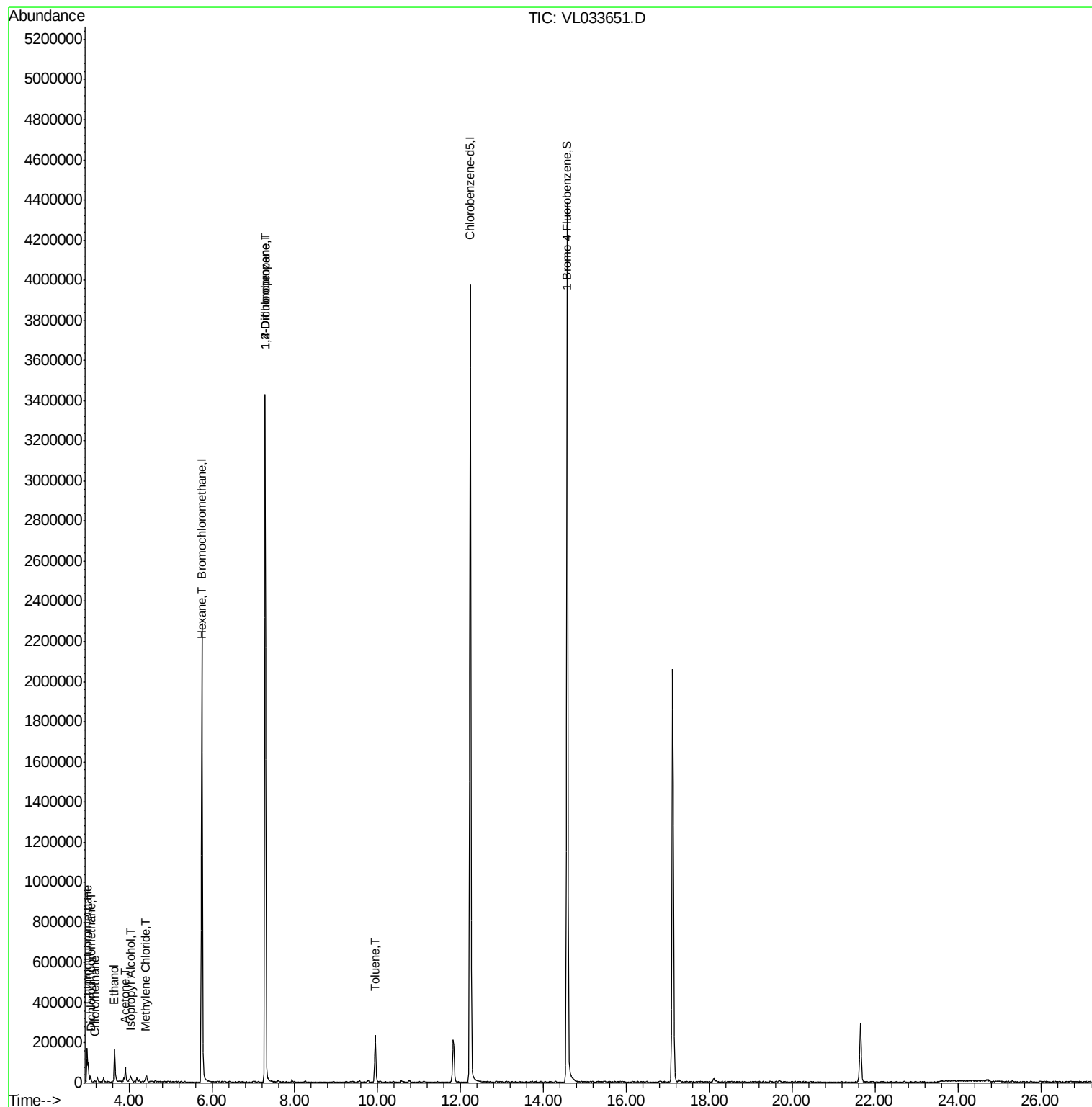
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	15835	0.104	ppbv #	81
3) Chlorodifluoromethane	2.99	51	175783	1.452	ppbv #	79
4) Chloromethane	3.17	50	3634	0.055	ppbv #	74
13) Ethanol	3.65	45	161562	10.281	ppbv	95
15) Acetone	3.91	43	67936	0.551	ppbv	98
19) Isopropyl Alcohol	4.04	45	29551	0.349	ppbv #	91
20) Methylene Chloride	4.40	84	1721	0.036	ppbv #	71
26) Hexane	5.77	57	6088	0.062	ppbv #	50
39) 1,2-Dichloropropane	7.29	63	613050	8.274	ppbv #	25
53) Toluene	9.94	91	161176	0.650	ppbv	95

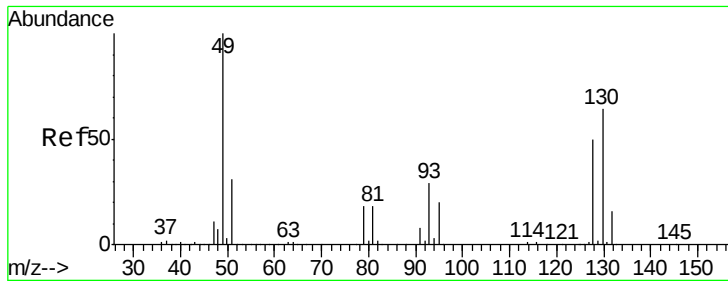
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033651.D
Acq On : 3 May 2019 6:20
Operator : SY/AP
Sample : K2628-13DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-13DL

Quant Time: May 03 08:09:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:29:02 2019
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

Instrument :

MSVOA_L

ClientSampleId :

A-13DL

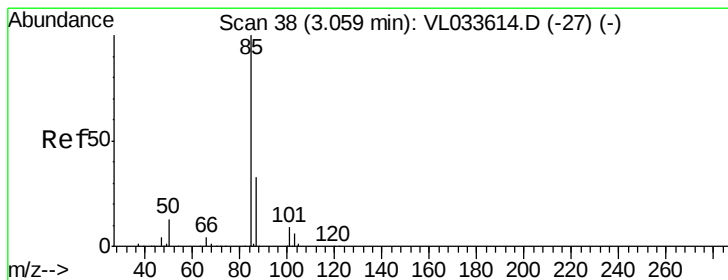
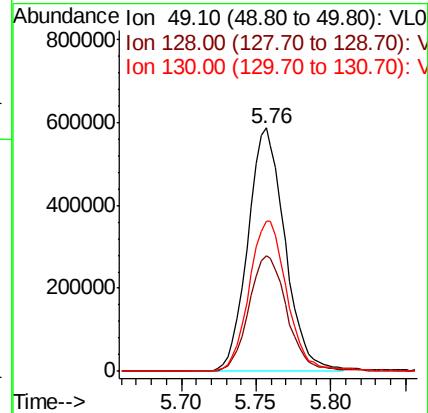
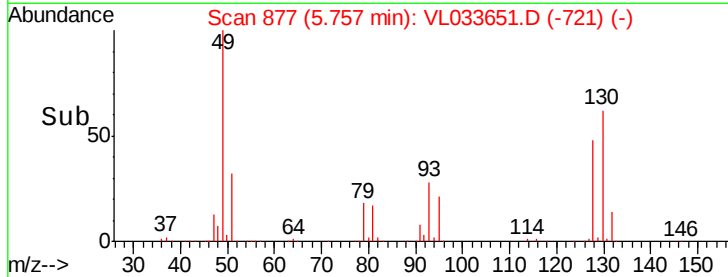
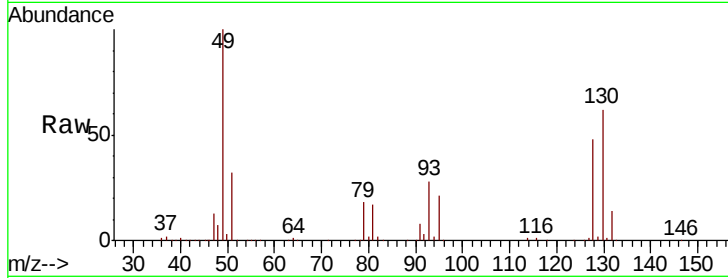
Tgt Ion: 49 Resp: 1012413

Ion Ratio Lower Upper

49 100

128 49.1 25.0 75.0

130 63.6 31.9 95.9



#2

Dichlorodifluoromethane

Concen: 0.104 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.02 min

Lab File: VL033651.D

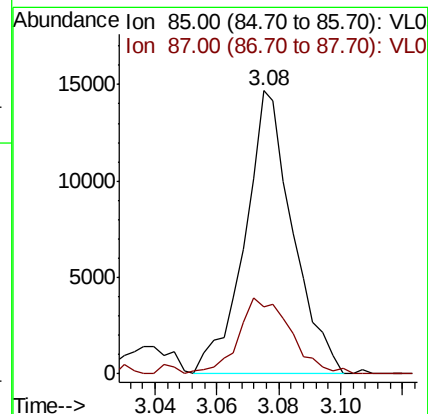
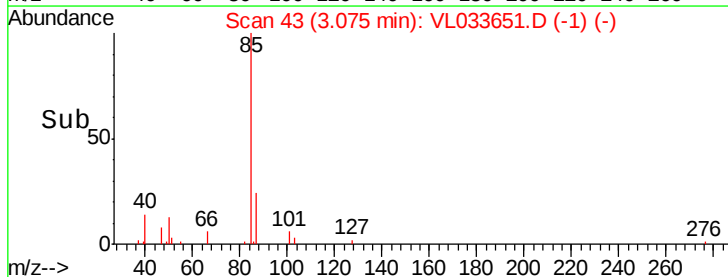
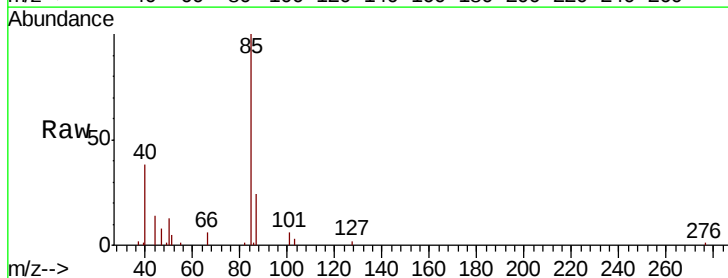
Acq: 3 May 2019 6:20

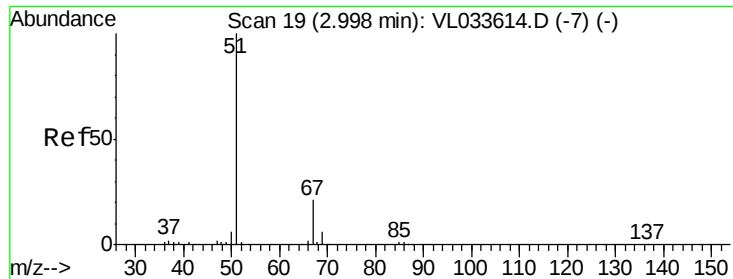
Tgt Ion: 85 Resp: 15835

Ion Ratio Lower Upper

85 100

87 22.5 26.8 40.2#





#3

Chlorodifluoromethane

Concen: 1.452 ppbv

RT: 2.99 min Scan# 16

Delta R.T. -0.01 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

Instrument :

MSVOA_L

ClientSampleId :

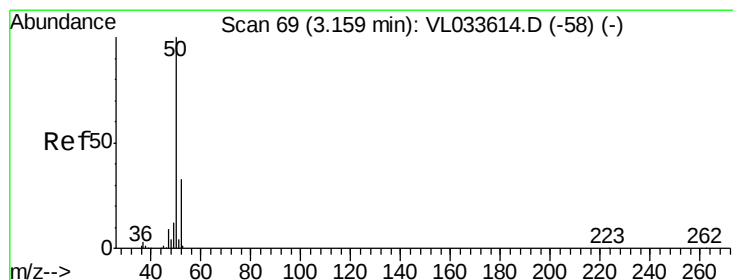
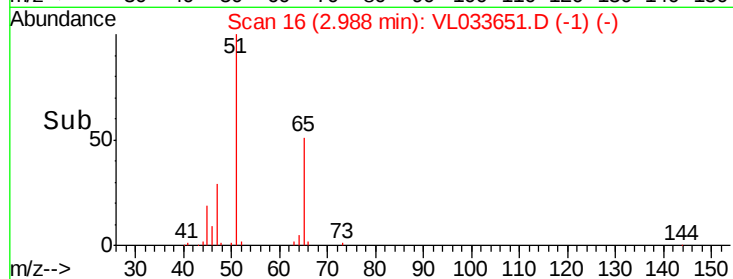
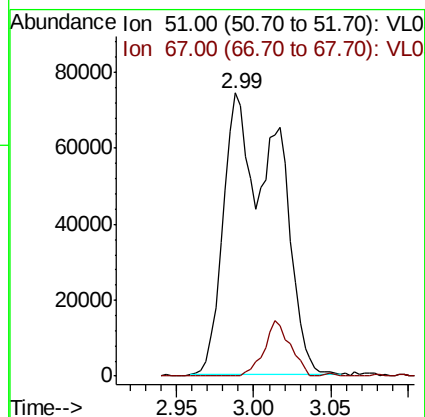
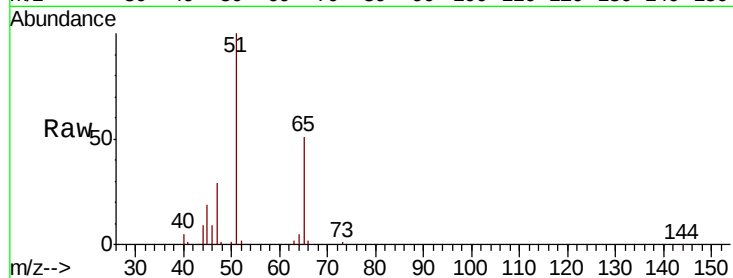
A-13DL

Tgt Ion: 51 Resp: 175783

Ion Ratio Lower Upper

51 100

67 10.0 15.6 23.4#



#4

Chloromethane

Concen: 0.055 ppbv

RT: 3.17 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL033651.D

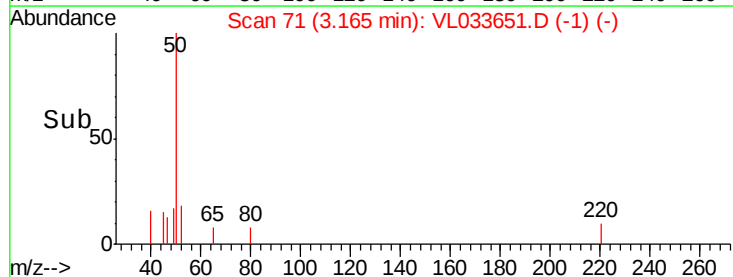
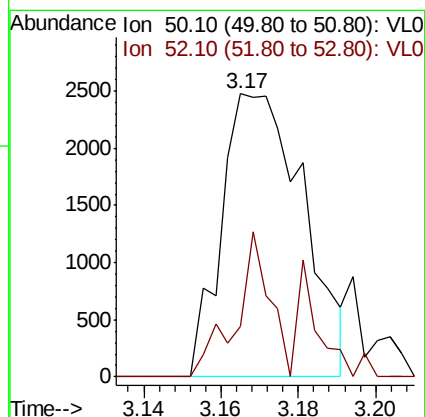
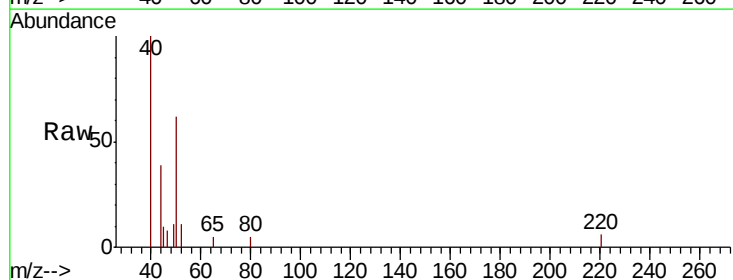
Acq: 3 May 2019 6:20

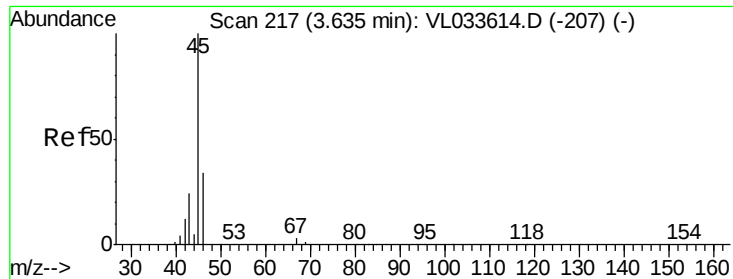
Tgt Ion: 50 Resp: 3634

Ion Ratio Lower Upper

50 100

52 17.7 26.0 39.0#





#13

Ethanol

Concen: 10.281 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.01 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

Instrument :

MSVOA_L

ClientSampleId :

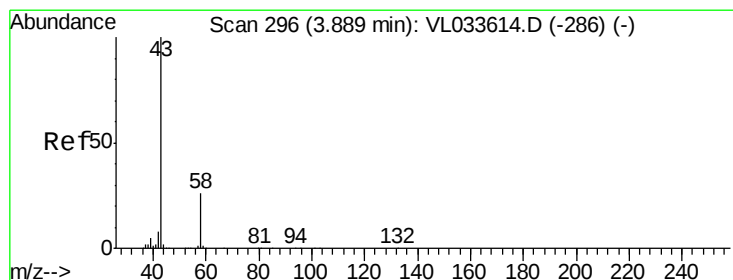
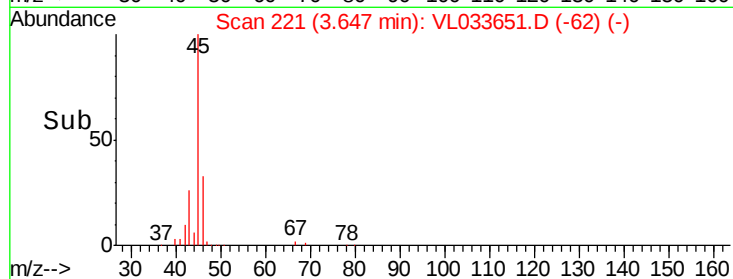
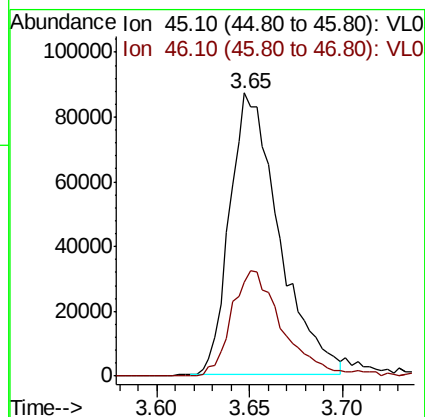
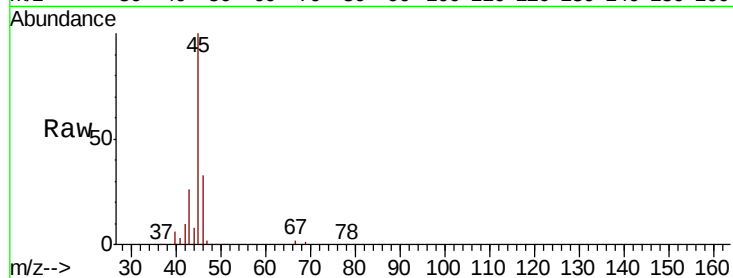
A-13DL

Tgt Ion: 45 Resp: 161562

Ion Ratio Lower Upper

45 100

46 39.6 14.6 58.2



#15

Acetone

Concen: 0.551 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.02 min

Lab File: VL033651.D

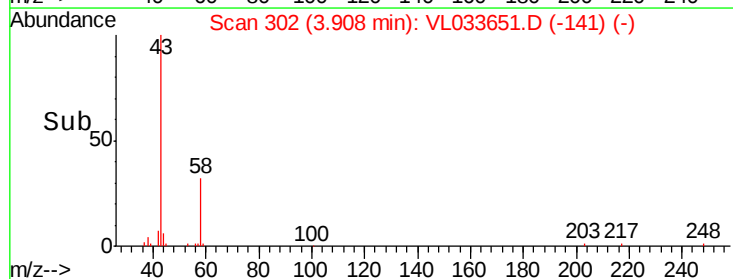
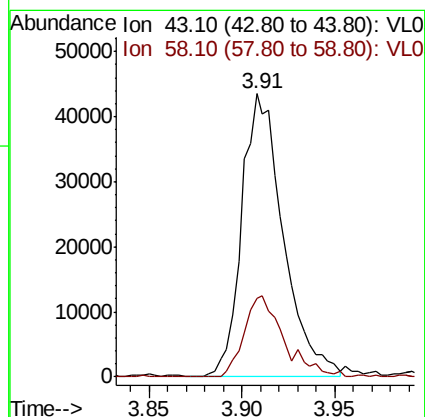
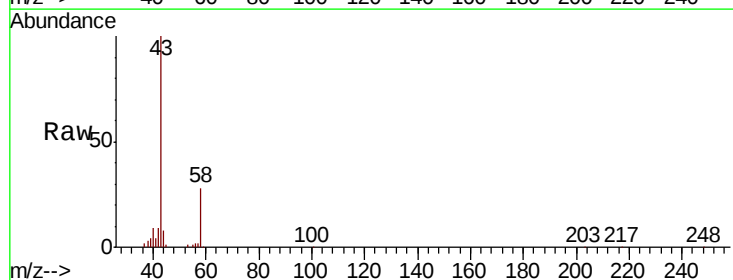
Acq: 3 May 2019 6:20

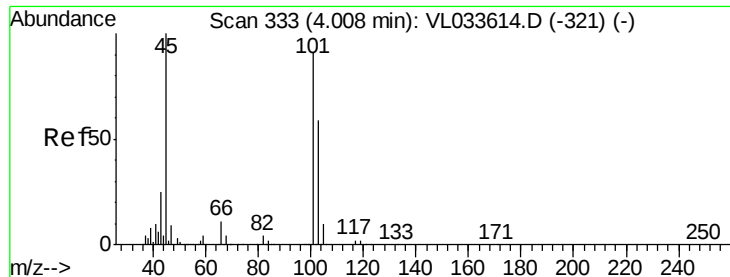
Tgt Ion: 43 Resp: 67936

Ion Ratio Lower Upper

43 100

58 27.3 21.2 31.8





#19

Isopropyl Alcohol

Concen: 0.349 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.03 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

Instrument :

MSVOA_L

ClientSampleId :

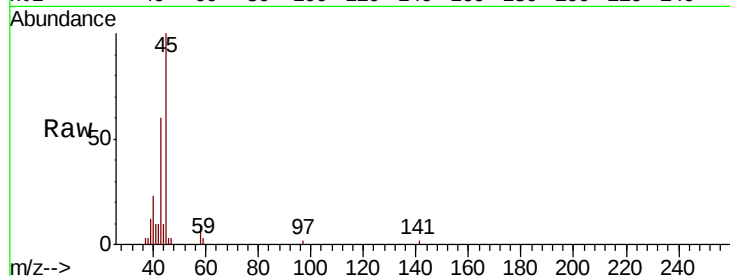
A-13DL

Tgt Ion: 45 Resp: 29551

Ion Ratio Lower Upper

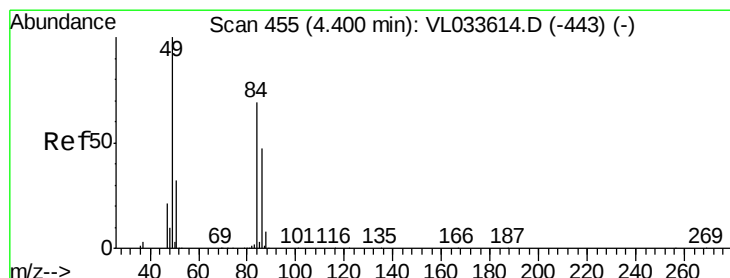
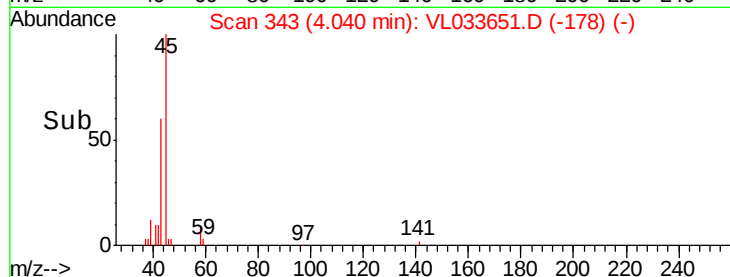
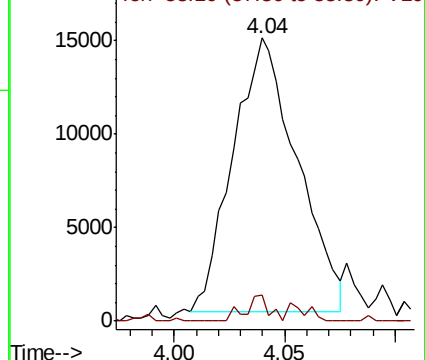
45 100

58 5.4 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.036 ppbv

RT: 4.40 min Scan# 454

Delta R.T. -0.00 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

Tgt Ion: 84 Resp: 1721

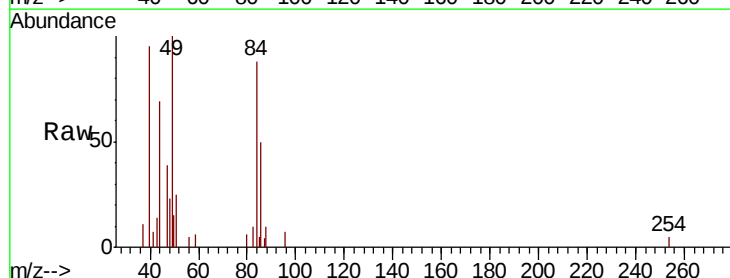
Ion Ratio Lower Upper

84 100

49 99.2 116.2 174.2#

51 28.1 37.0 55.6#

86 56.7 54.0 81.0

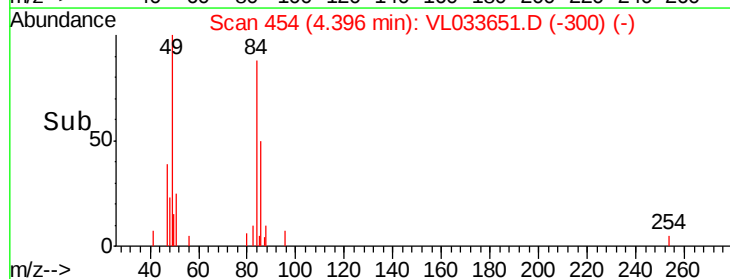
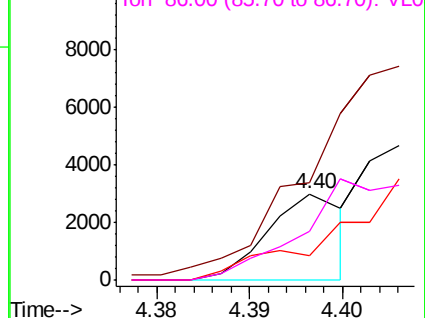


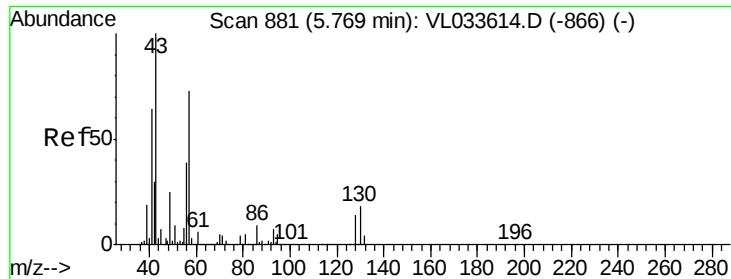
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

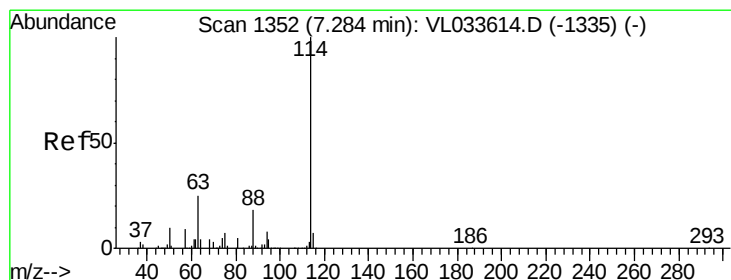
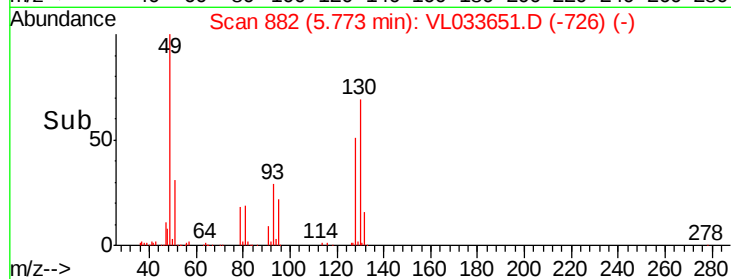
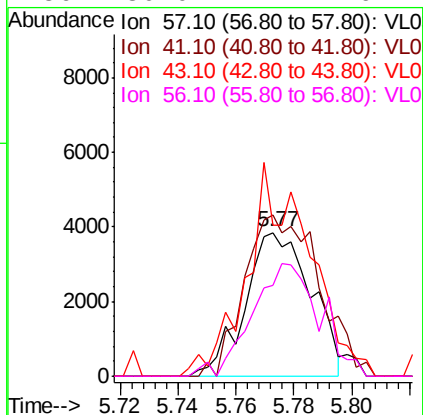
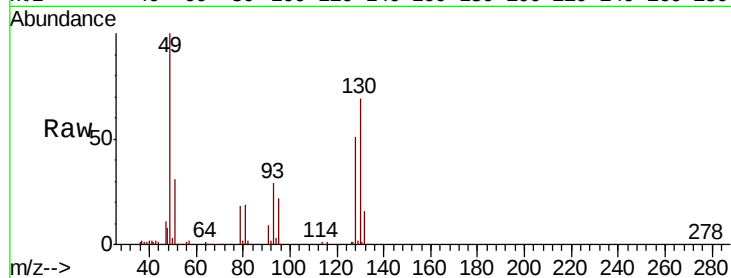




#26
Hexane
Concen: 0.062 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033651.D
Acq: 3 May 2019 6:20

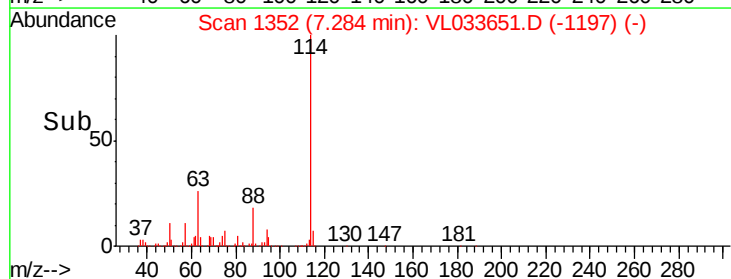
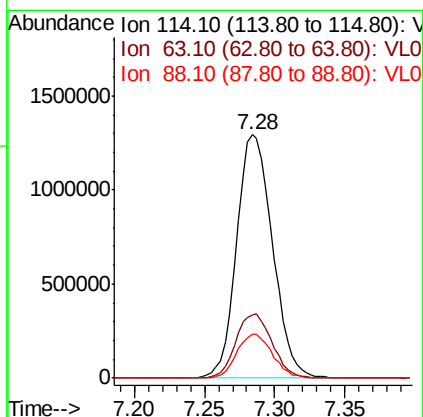
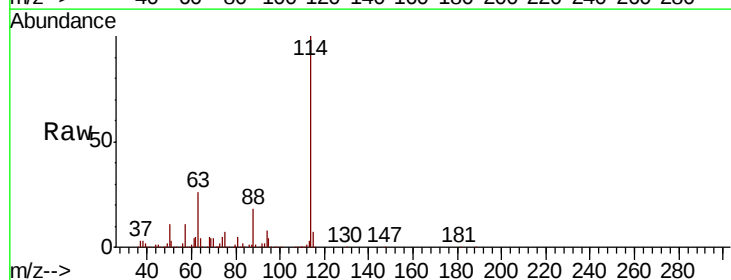
Instrument :
MSVOA_L
ClientSampleId :
A-13DL

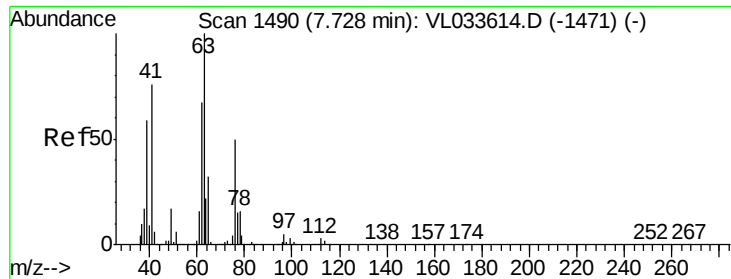
Tgt Ion: 57 Resp: 6088
Ion Ratio Lower Upper
57 100
41 127.2 70.6 106.0#
43 139.3 186.0 279.0#
56 80.0 42.7 64.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL033651.D
Acq: 3 May 2019 6:20

Tgt Ion: 114 Resp: 2305940
Ion Ratio Lower Upper
114 100
63 26.8 21.1 31.7
88 18.1 14.2 21.4





#39

1,2-Dichloropropane

Concen: 8.274 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.44 min

Lab File: VL033651.D

Acq: 3 May 2019 6:20

Instrument :

MSVOA_L

ClientSampleId :

A-13DL

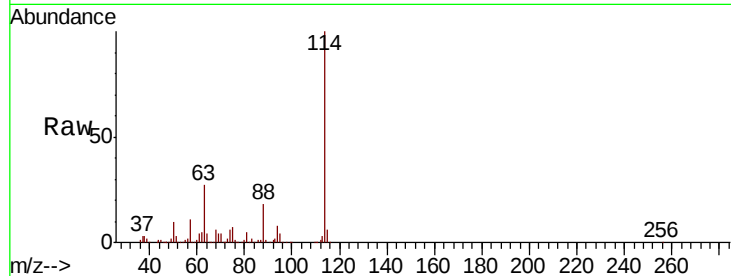
Tgt Ion: 63 Resp: 613050

Ion Ratio Lower Upper

63 100

41 0.0 60.9 91.3#

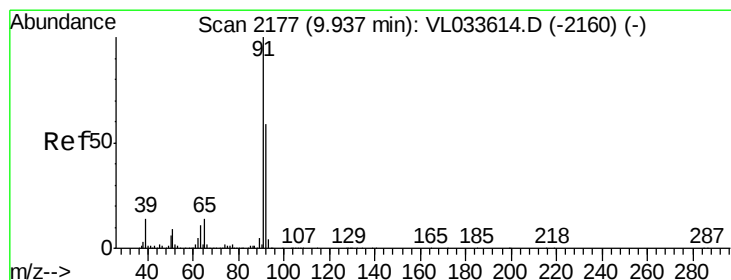
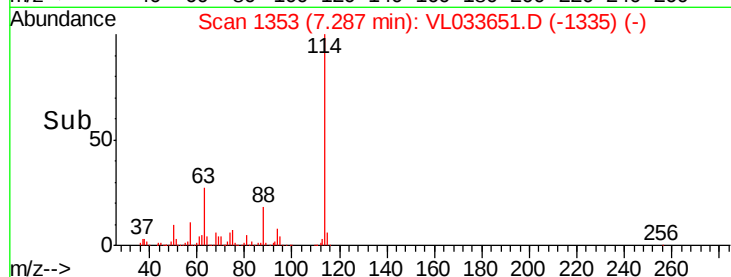
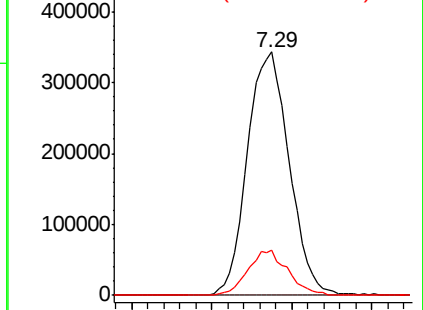
62 18.4 53.3 79.9#



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



#53

Toluene

Concen: 0.650 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL033651.D

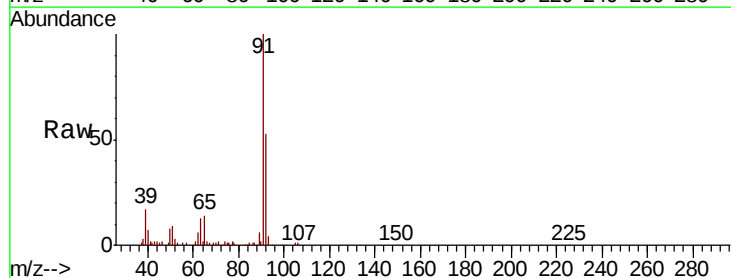
Acq: 3 May 2019 6:20

Tgt Ion: 91 Resp: 161176

Ion Ratio Lower Upper

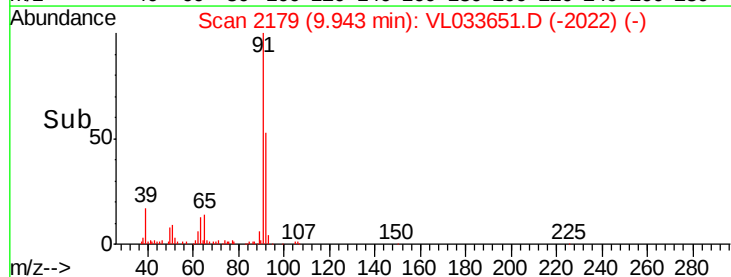
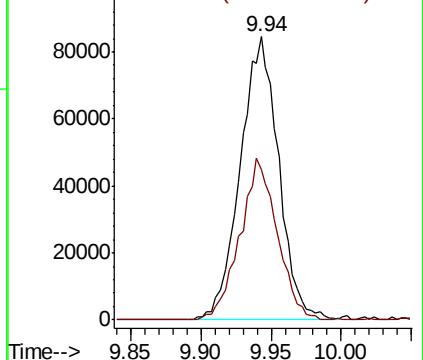
91 100

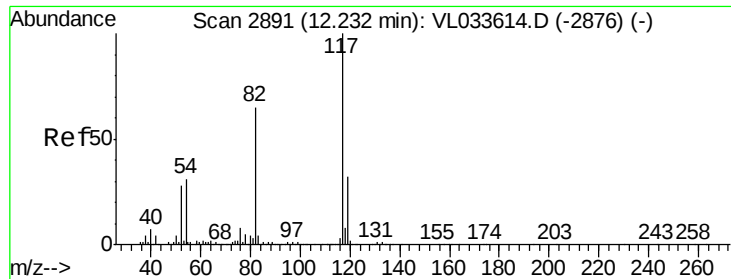
92 55.7 47.8 71.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

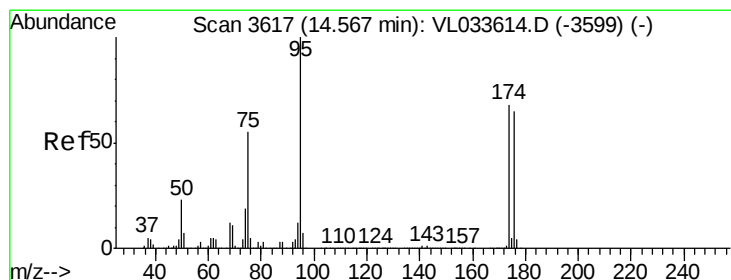
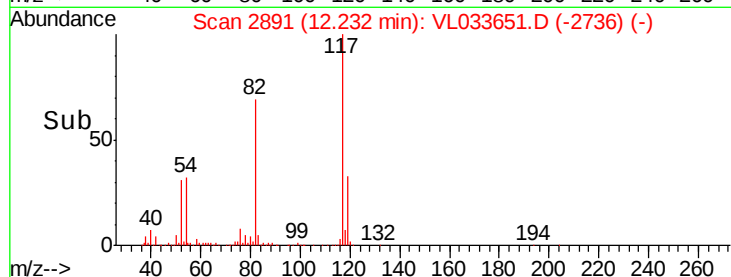
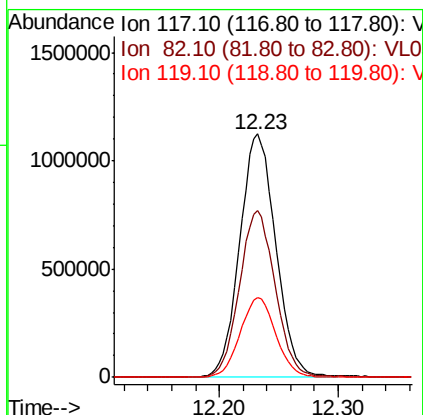
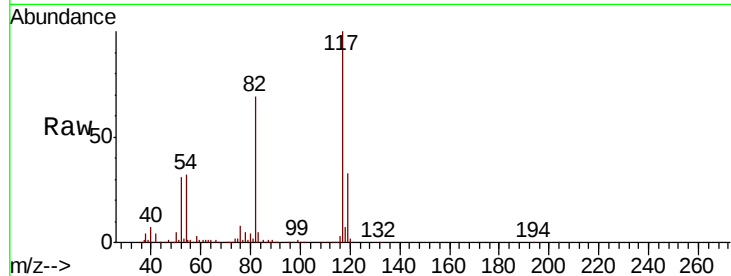




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL033651.D
Acq: 3 May 2019 6:20

Instrument :
MSVOA_L
ClientSampleID :
A-13DL

Tgt Ion: 117 Resp: 2360094
Ion Ratio Lower Upper
117 100
82 68.5 52.6 78.8
119 32.6 28.3 42.5



#68
1-Bromo-4-Fluorobenzene
Concen: 11.009 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033651.D
Acq: 3 May 2019 6:20

Tgt Ion: 95 Resp: 1977976
Ion Ratio Lower Upper
95 100
174 65.7 53.9 80.9
175 4.8 4.0 6.0

