

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033674.D
 Acq On : 7 May 2019 1:09
 Operator : SY/AP
 Sample : OC043019 CAN 10301
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 04:11:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	769092	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2067330	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2049499	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1784505	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

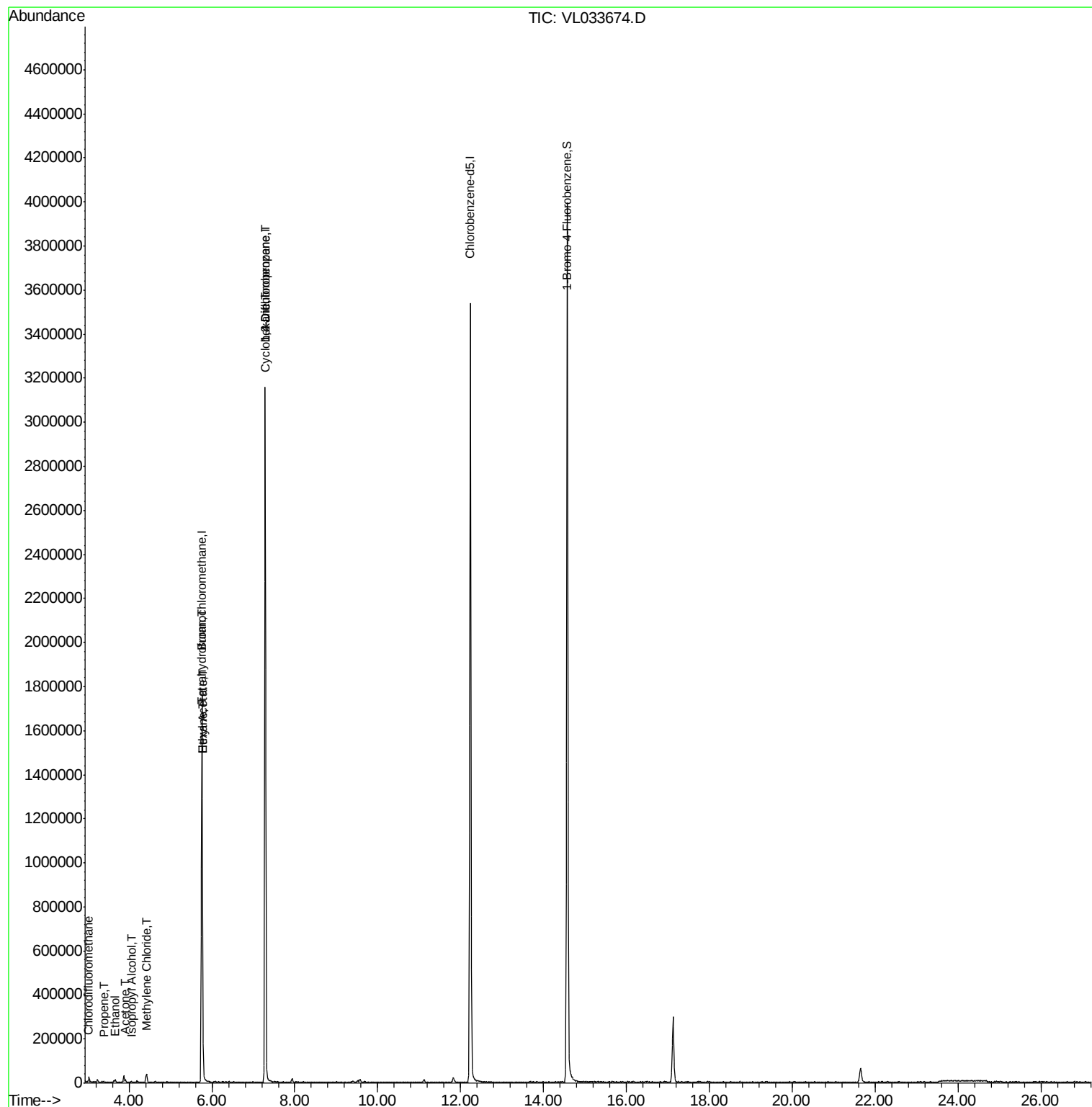
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.02	51	2250	0.020	ppbv #	80
9) Propene	3.39	41	589	0.014	ppbv	97
13) Ethanol	3.65	45	1108	0.087	ppbv #	38
15) Acetone	3.91	43	10782	0.094	ppbv #	88
19) Isopropyl Alcohol	4.06	45	3175	0.045	ppbv #	87
20) Methylene Chloride	4.40	84	4449	0.102	ppbv	95
25) Ethyl Acetate	5.78	43	45862	0.246	ppbv #	77
26) Hexane	5.78	57	61819	0.773	ppbv #	36
30) Cyclohexane	7.27	84	5342	0.079	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	568133	8.223	ppbv #	23
41) Tetrahydrofuran	5.77	42	29486	0.431	ppbv #	48

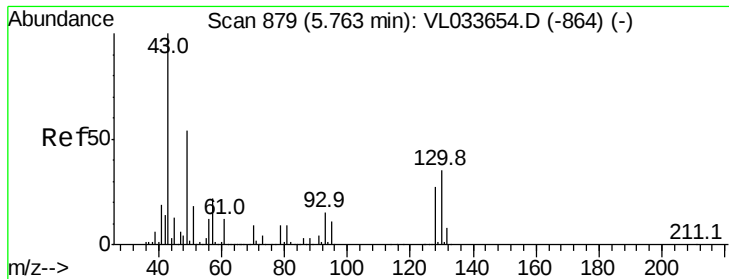
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
Data File : VL033674.D
Acq On : 7 May 2019 1:09
Operator : SY/AP
Sample : OC043019 CAN 10301
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 07 04:11:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033674.D

Acq: 7 May 2019 1:09

Instrument :

MSVOA_L

ClientSampled :

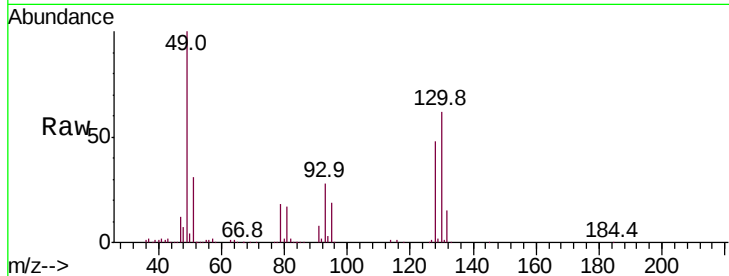
Tot Ion: 49 Resp: 769092

Ion Ratio Lower Upper

49 100

128 48.3 24.8 74.3

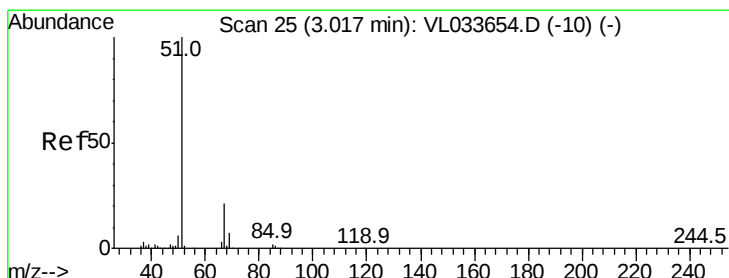
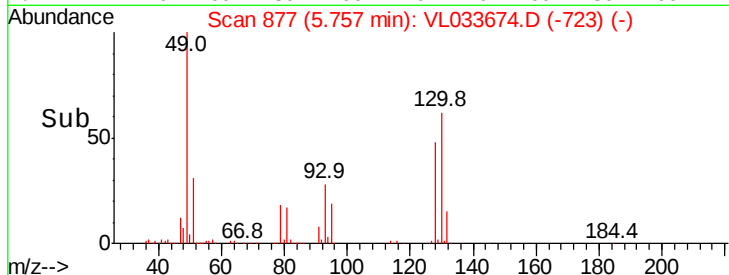
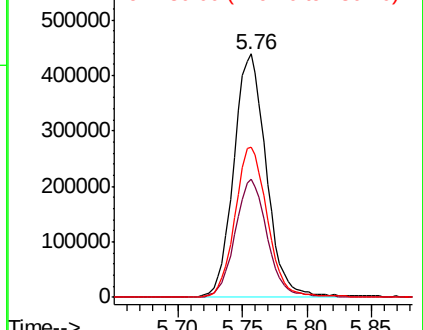
130 62.0 32.1 96.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.020 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033674.D

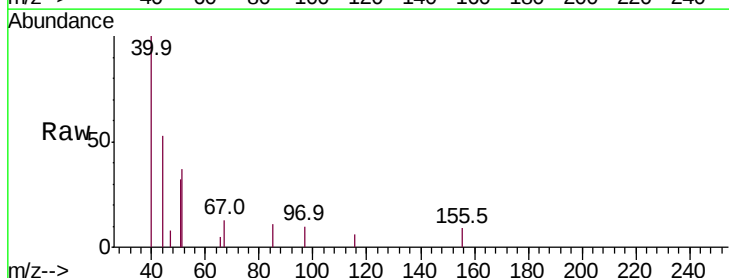
Acq: 7 May 2019 1:09

Tgt Ion: 51 Resp: 2250

Ion Ratio Lower Upper

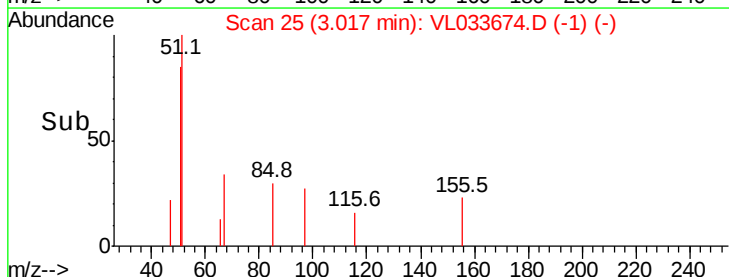
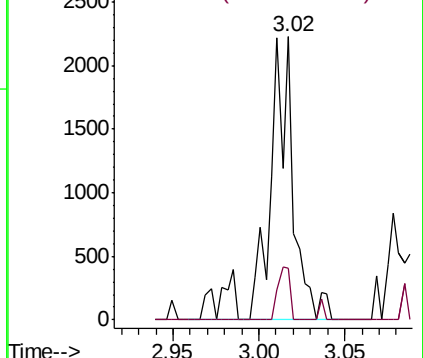
51 100

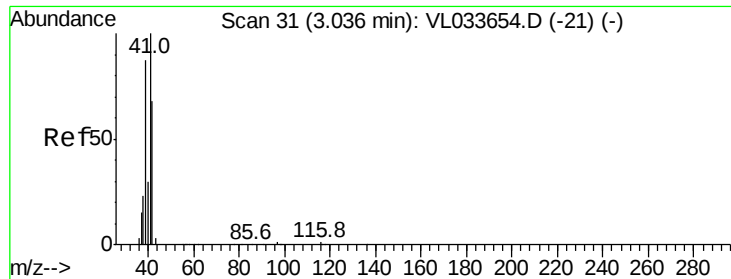
67 10.5 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.014 ppbv

RT: 3.39 min Scan# 142

Delta R.T. 0.36 min

Lab File: VL033674.D

Acq: 7 May 2019 1:09

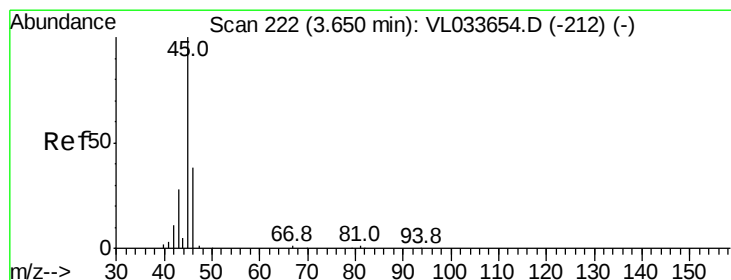
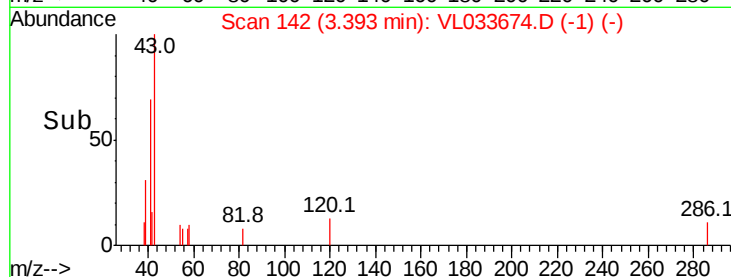
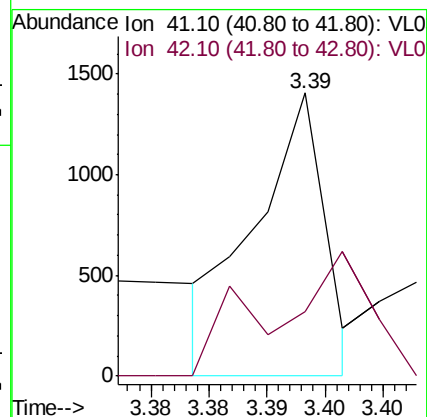
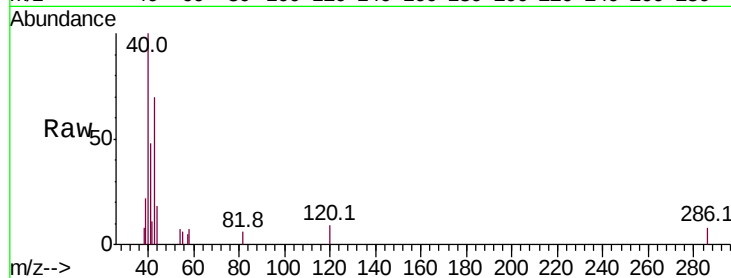
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 589

Ion Ratio Lower Upper

41 100

42 66.7 55.6 83.4



#13

Ethanol

Concen: 0.087 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033674.D

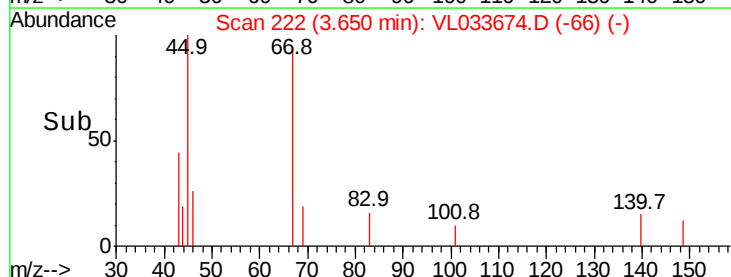
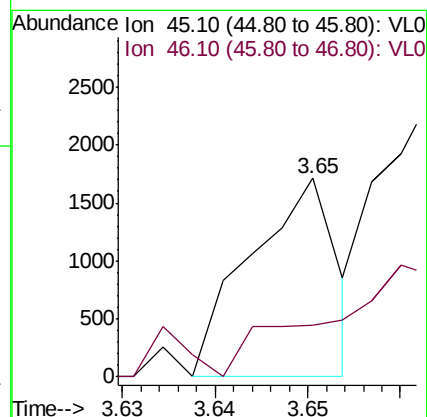
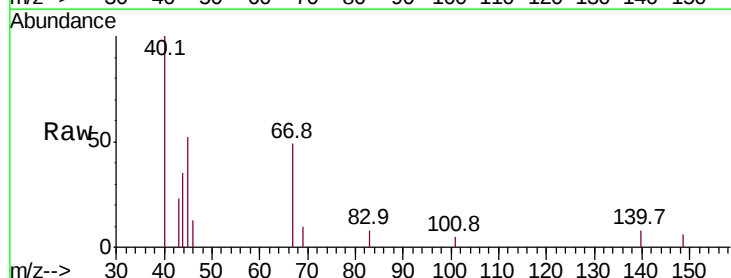
Acq: 7 May 2019 1:09

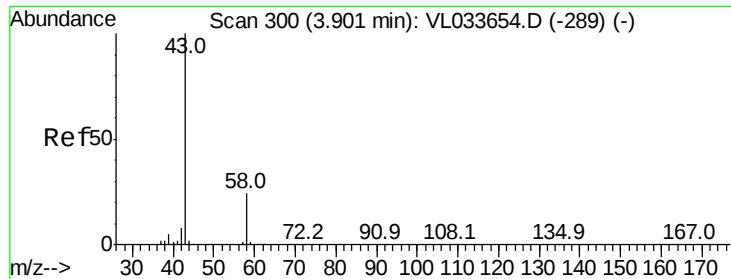
Tgt Ion: 45 Resp: 1108

Ion Ratio Lower Upper

45 100

46 0.0 14.9 59.7#





#15

Acetone

Concen: 0.094 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033674.D

Acq: 7 May 2019 1:09

Instrument :

MSVOA_L

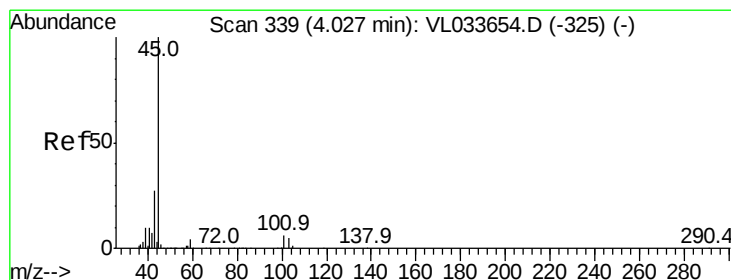
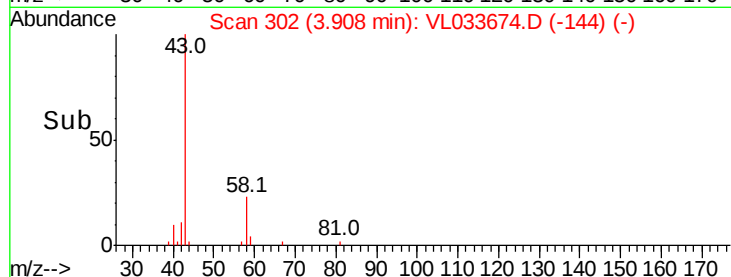
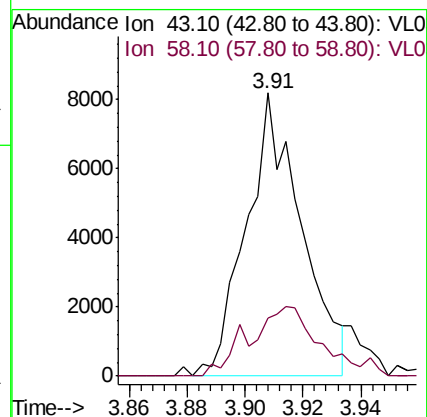
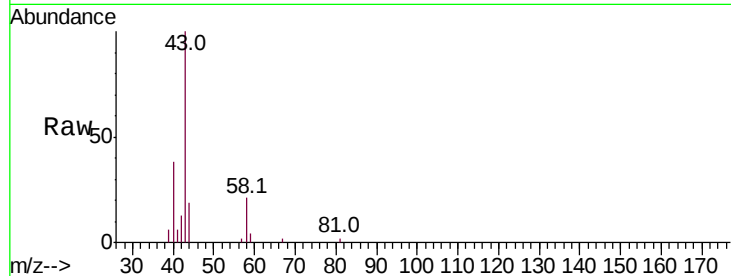
ClientSampleId :

Tot Ion: 43 Resp: 10782

Ion Ratio Lower Upper

43 100

58 32.1 20.9 31.3#



#19

Isopropyl Alcohol

Concen: 0.045 ppbv

RT: 4.06 min Scan# 350

Delta R.T. 0.04 min

Lab File: VL033674.D

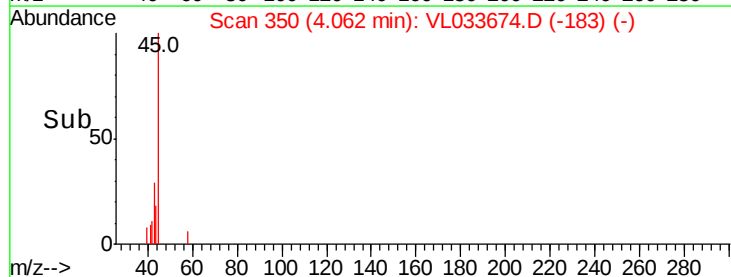
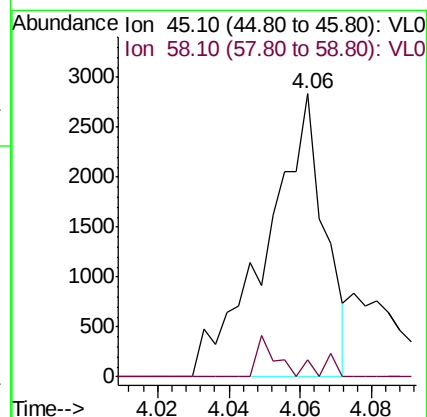
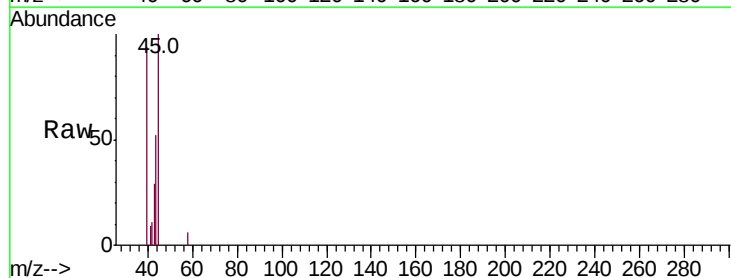
Acq: 7 May 2019 1:09

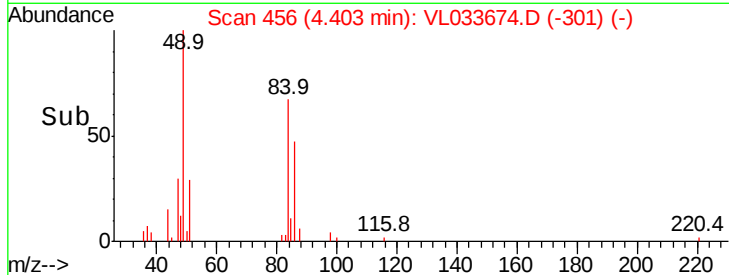
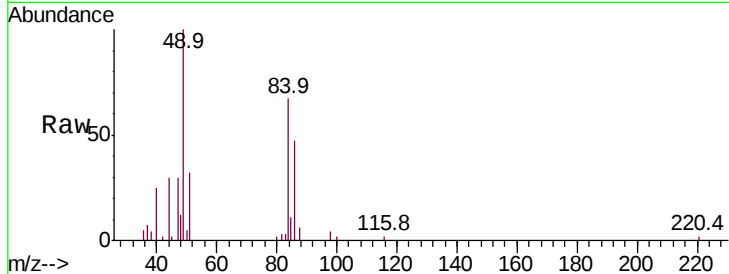
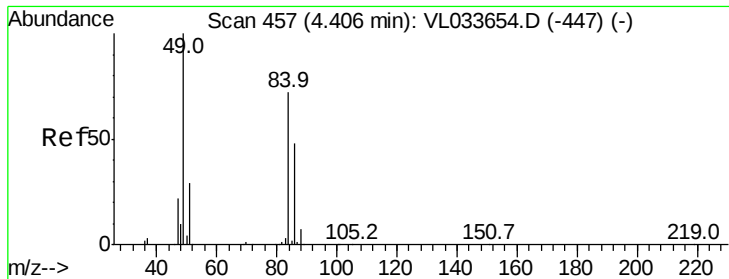
Tgt Ion: 45 Resp: 3175

Ion Ratio Lower Upper

45 100

58 7.0 2.0 3.0#

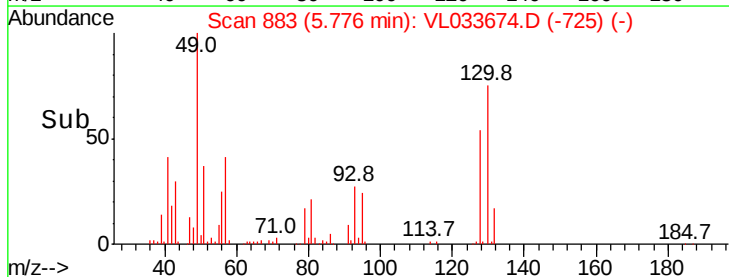
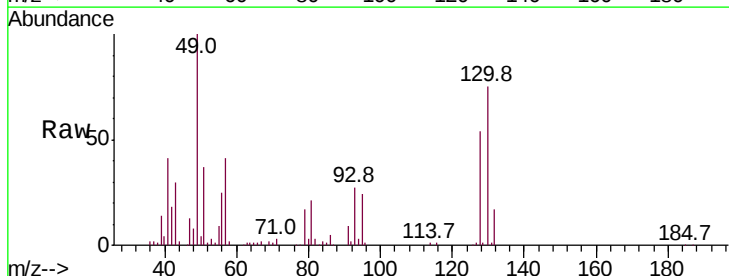
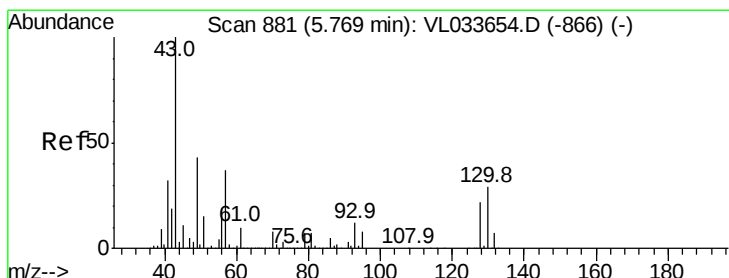
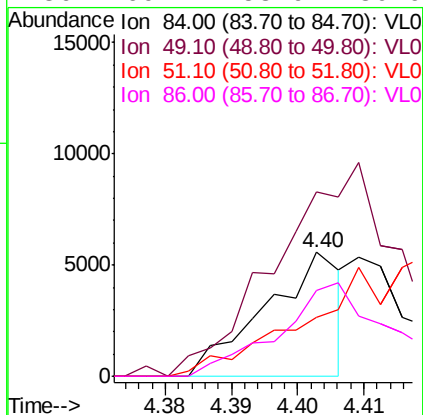




#20
Methylene Chloride
Concen: 0.102 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033674.D
Acq: 7 May 2019 1:09

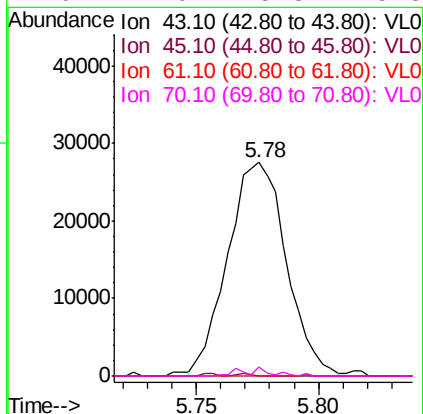
Instrument :
MSVOA_L
ClientSampled :

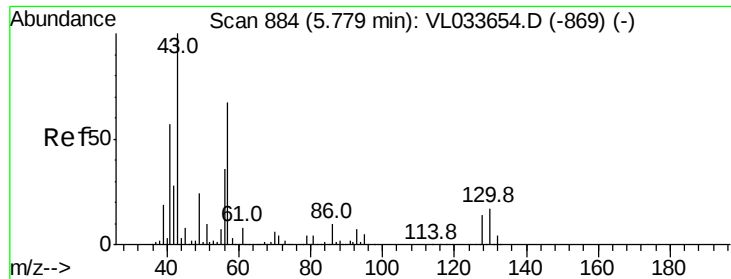
Tot Ion: 84 Resp: 4449
Ion Ratio Lower Upper
84 100
49 132.6 111.8 167.6
51 43.5 32.3 48.5
86 69.4 53.9 80.9



#25
Ethyl Acetate
Concen: 0.246 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033674.D
Acq: 7 May 2019 1:09

Tgt Ion: 43 Resp: 45862
Ion Ratio Lower Upper
43 100
45 0.6 8.0 12.0#
61 0.1 7.5 11.3#
70 2.0 5.8 8.8#

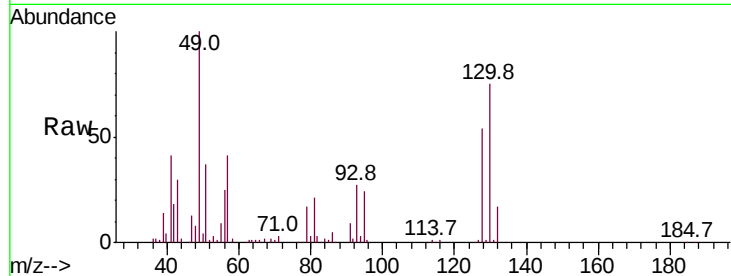




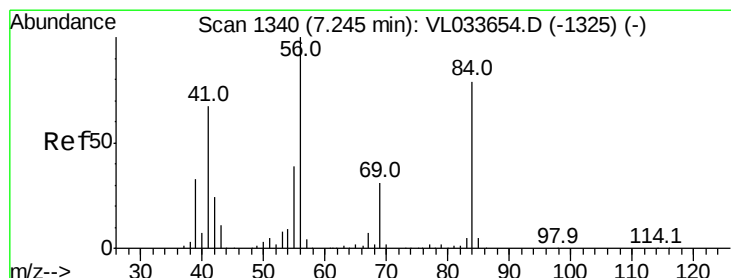
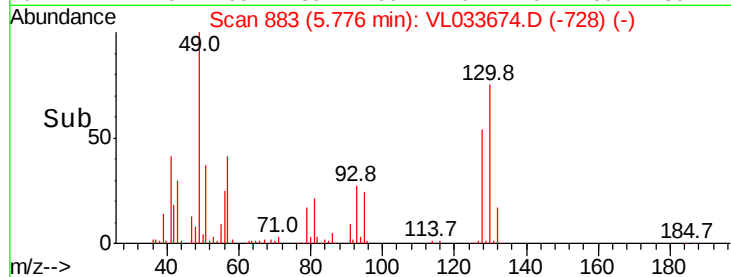
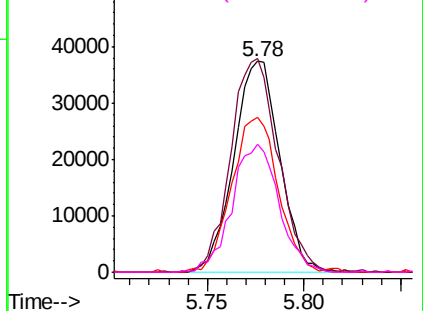
#26
Hexane
Concen: 0.773 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033674.D
Acq: 7 May 2019 1:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 61819
Ion Ratio Lower Upper
57 100
41 104.7 69.7 104.5#
43 75.2 181.9 272.9#
56 61.9 42.5 63.7

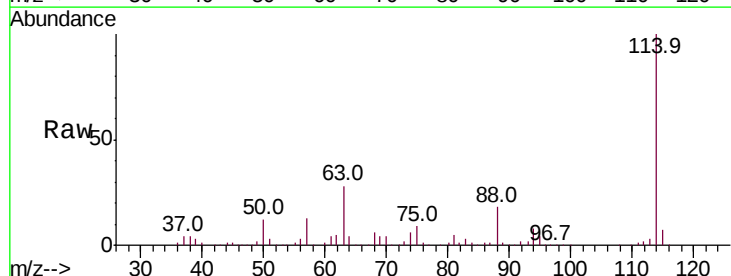


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

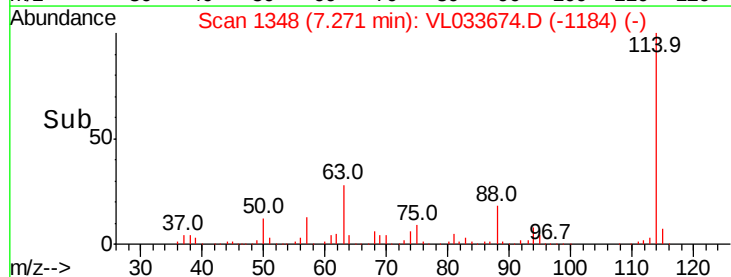
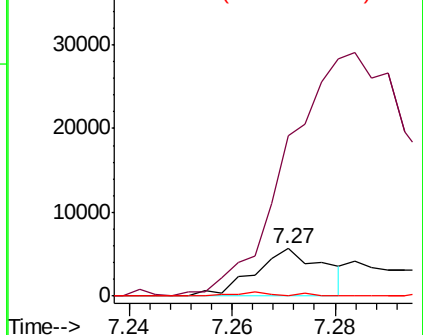


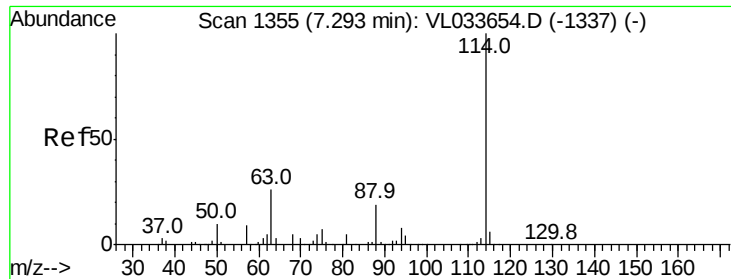
#30
Cyclohexane
Concen: 0.079 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. 0.03 min
Lab File: VL033674.D
Acq: 7 May 2019 1:09

Tgt Ion: 84 Resp: 5342
Ion Ratio Lower Upper
84 100
56 0.0 107.0 160.4#
41 5.2 66.6 99.8#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

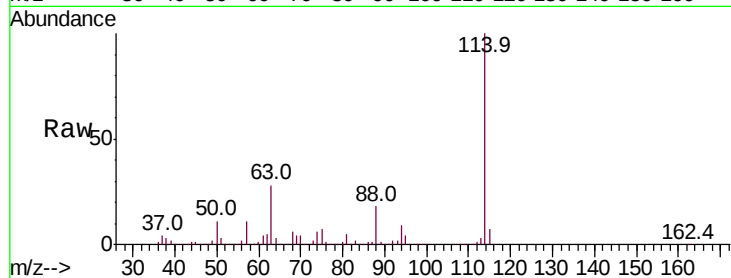




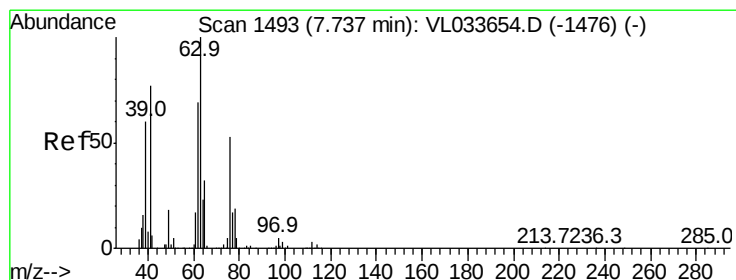
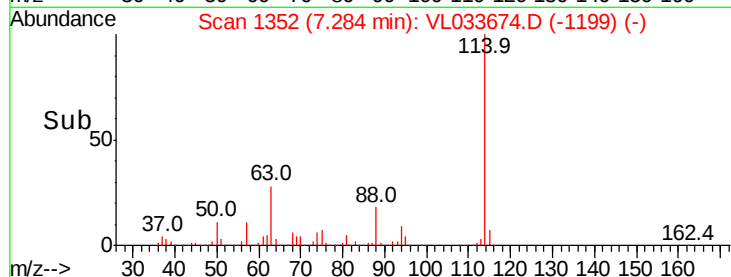
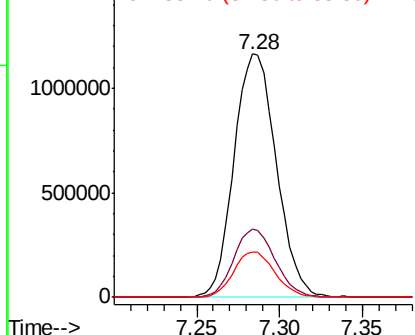
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033674.D
 Acq: 7 May 2019 1:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2067330
 Ion Ratio Lower Upper
 114 100
 63 27.6 21.3 31.9
 88 18.5 14.4 21.6

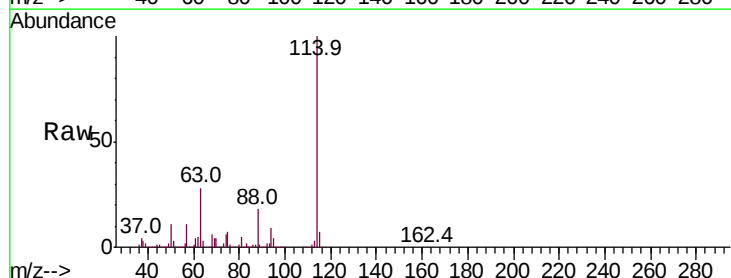


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

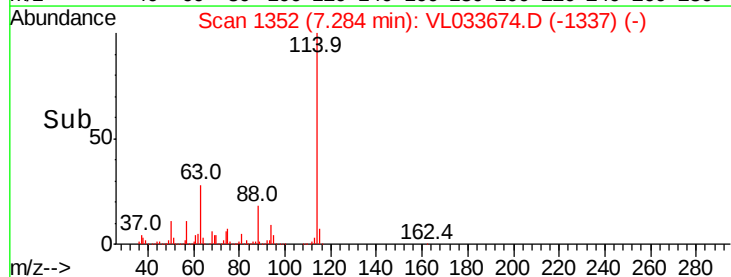
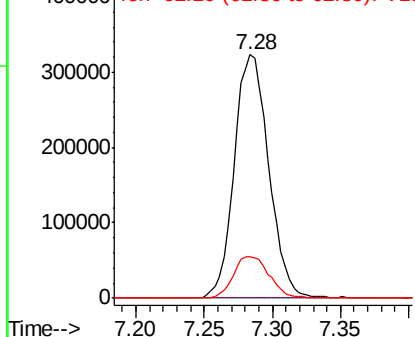


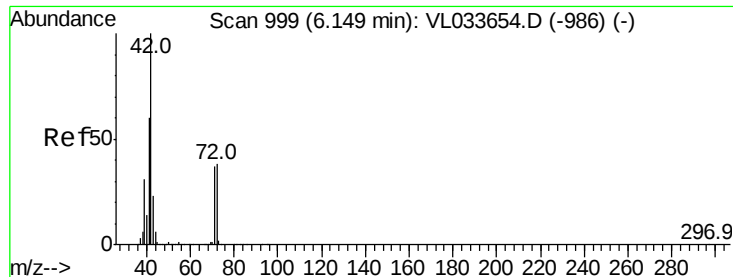
#39
 1,2-Dichloropropane
 Concen: 8.223 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033674.D
 Acq: 7 May 2019 1:09

Tgt Ion: 63 Resp: 568133
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.6 92.4#
 62 16.7 55.0 82.6#



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





#41

Tetrahydrofuran

Concen: 0.431 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.38 min

Lab File: VL033674.D

Acq: 7 May 2019 1:09

Instrument :

MSVOA_L

ClientSampleId :

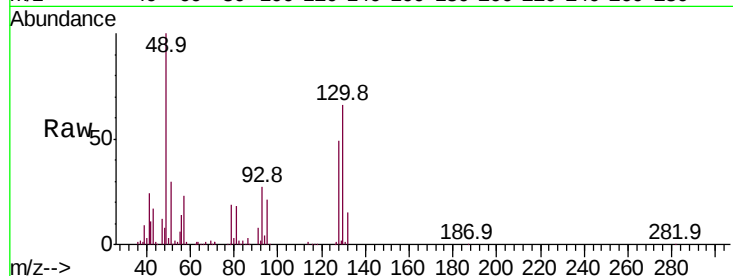
Tot Ion: 42 Resp: 29486

Ion Ratio Lower Upper

42 100

72 0.3 31.6 47.4#

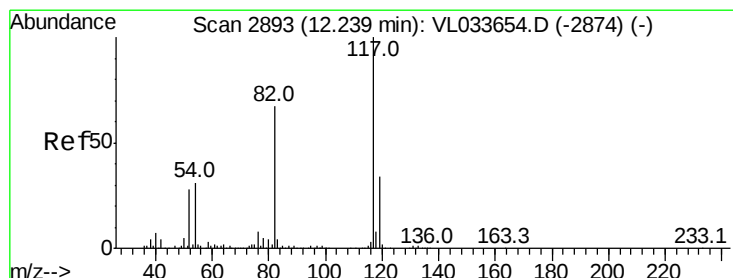
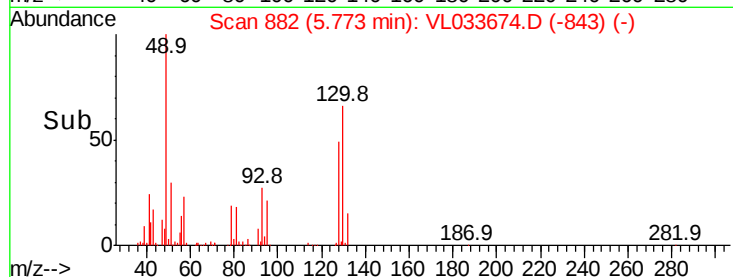
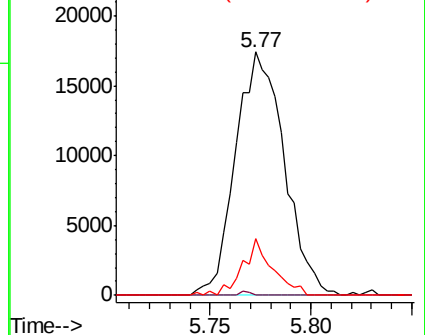
71 14.3 30.6 46.0#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033674.D

Acq: 7 May 2019 1:09

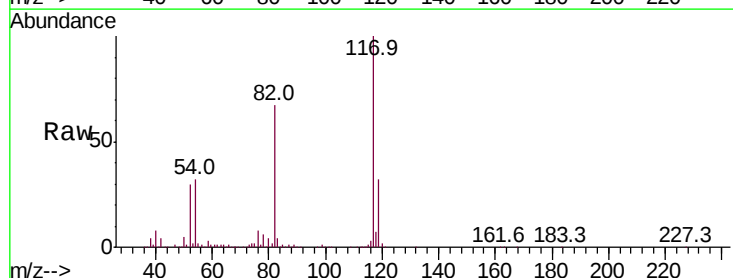
Tgt Ion: 117 Resp: 2049499

Ion Ratio Lower Upper

117 100

82 67.9 49.7 74.5

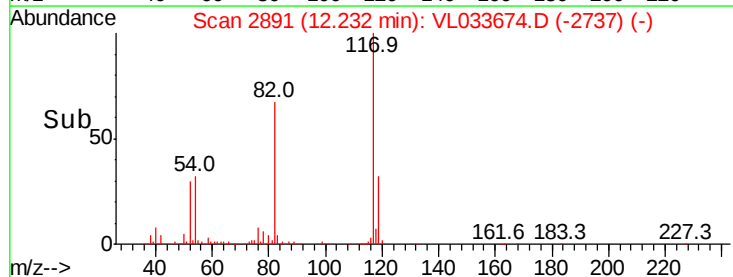
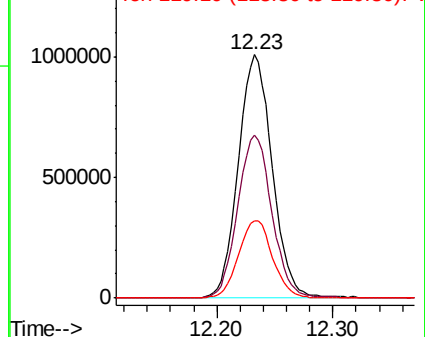
119 32.1 24.8 37.2

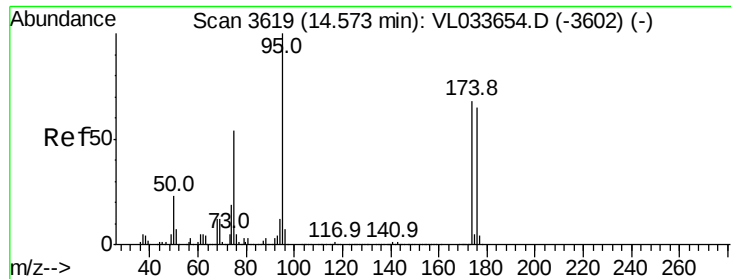


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.622 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL033674.D

Acq: 7 May 2019 1:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 1784505

Ion Ratio Lower Upper

95 100

174 65.9 54.0 81.0

175 4.7 3.8 5.8

