

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032793.D
 Acq On : 21 Nov 2018 00:36
 Operator : SY/AP
 Sample : J5998-05DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 21 04:08:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1326596	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3335101	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3023872	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2283543	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

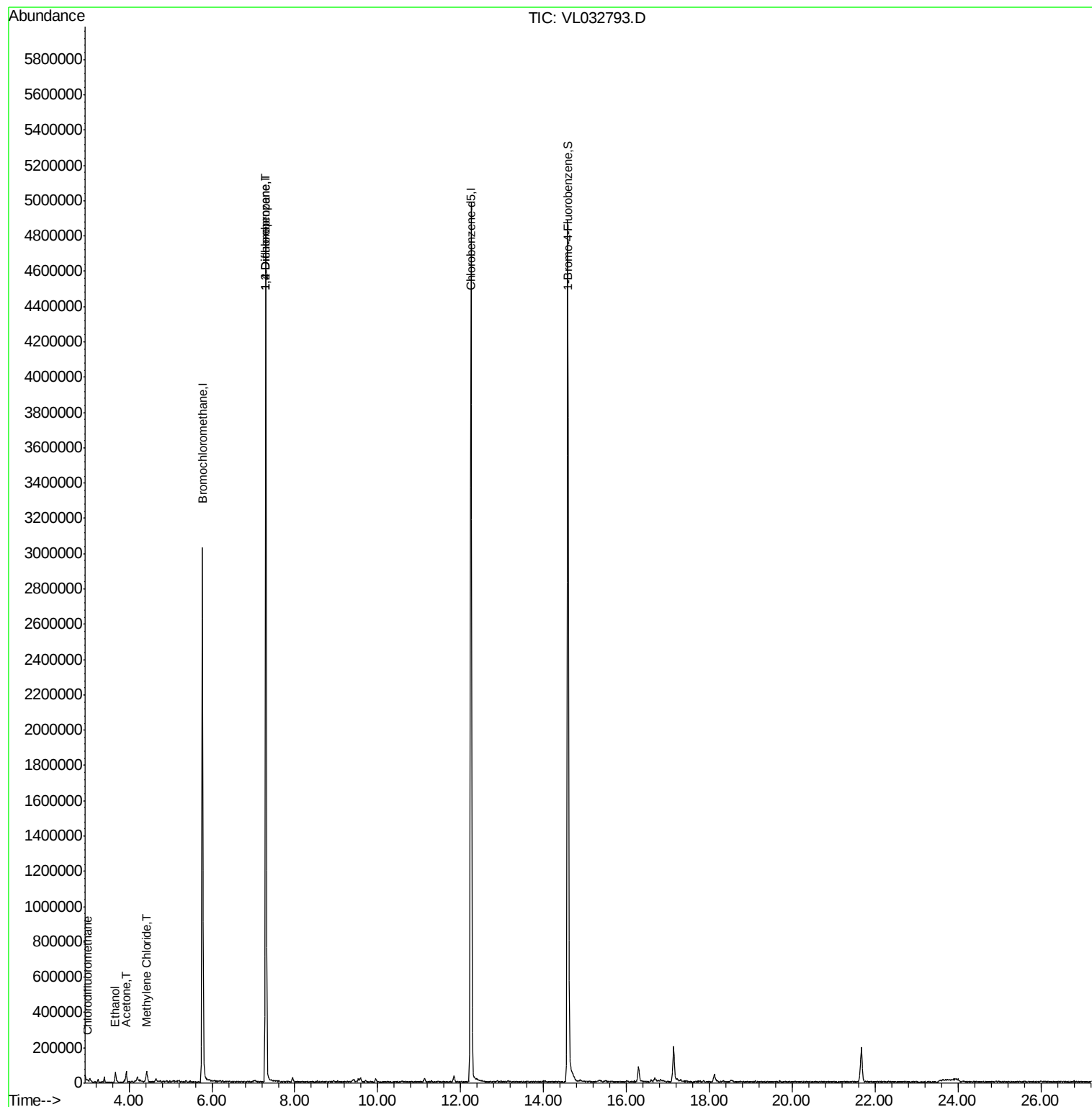
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	6935	0.066	ppbv #	72
13) Ethanol	3.67	45	28968	2.101	ppbv #	39
15) Acetone	3.92	43	43115	0.356	ppbv	93
20) Methylene Chloride	4.42	84	8653	0.138	ppbv #	89
39) 1,2-Dichloropropane	7.30	63	830089	8.203	ppbv #	22

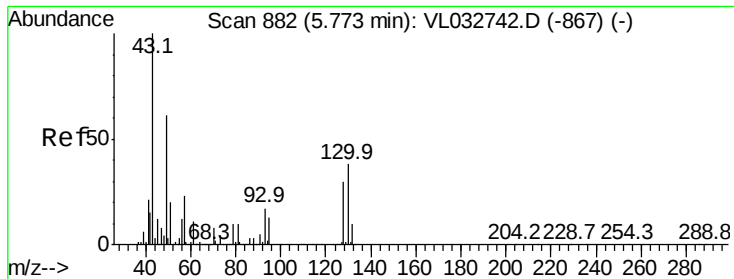
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

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Instrument :
MSVOA_L
ClientSampleId :

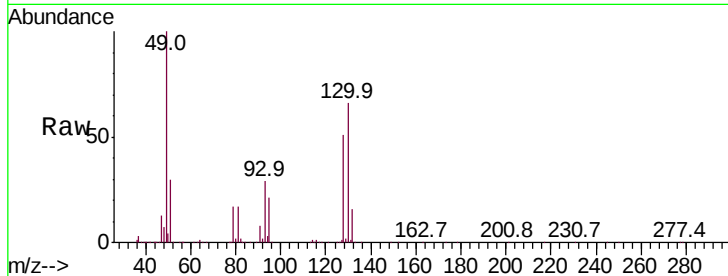
Tot Ion: 49 Resp: 1326596

Ion Ratio Lower Upper

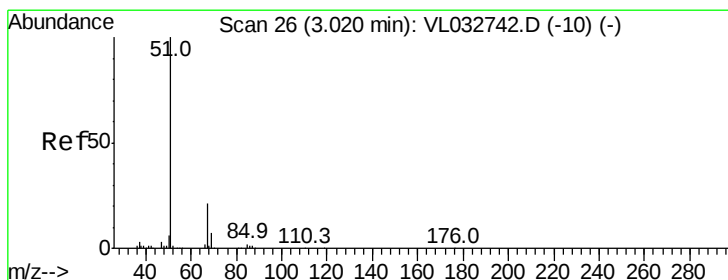
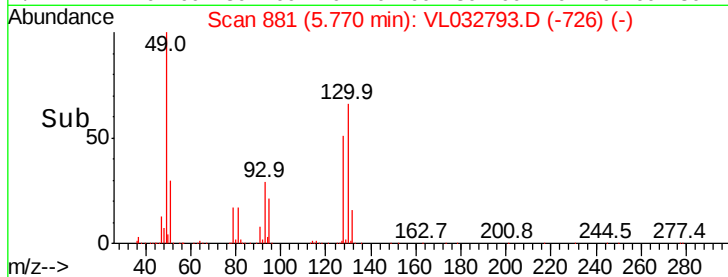
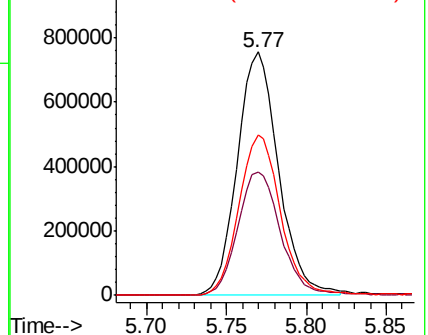
49 100

128 53.1 24.9 74.6

130 67.7 31.4 94.2



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



#3

Chlorodifluoromethane

Concen: 0.066 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.03 min

Lab File: VL032793.D

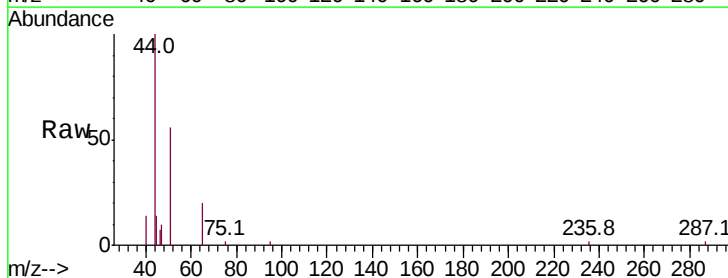
Acq: 21 Nov 2018 00:36

Tgt Ion: 51 Resp: 6935

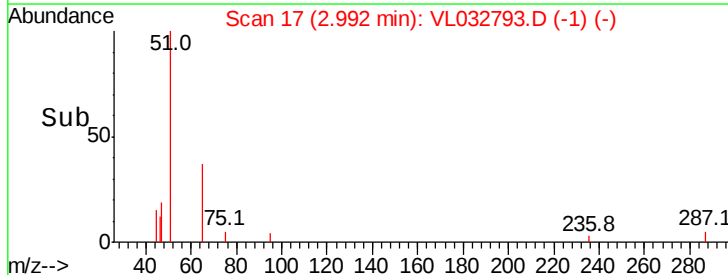
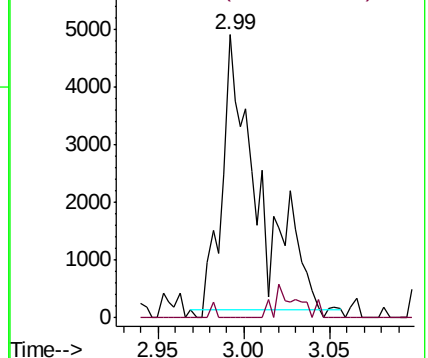
Ion Ratio Lower Upper

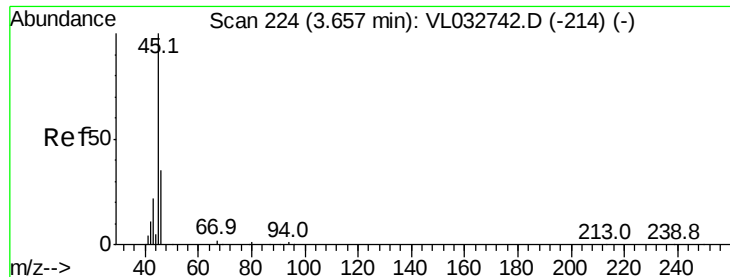
51 100

67 7.4 16.1 24.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0

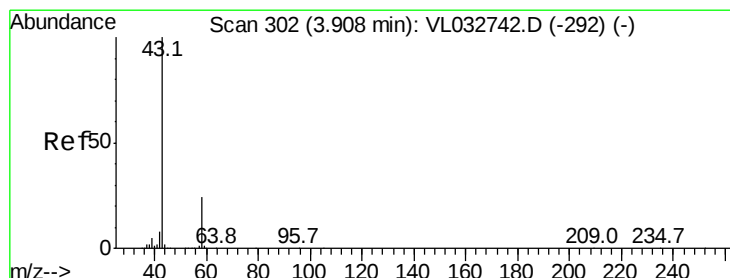
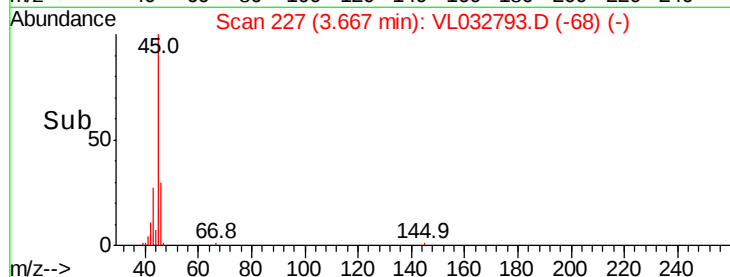
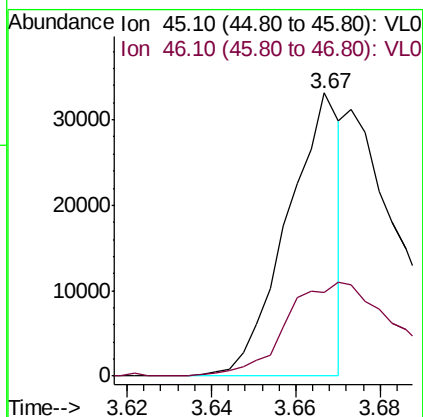
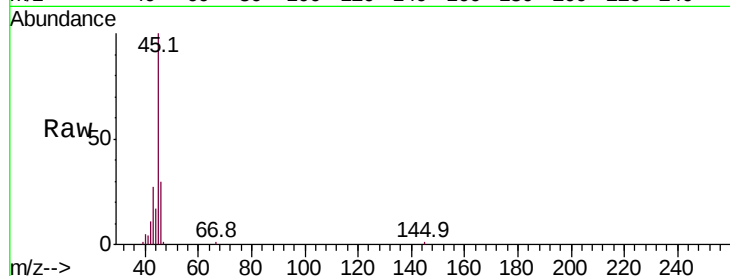




#13
Ethanol
Concen: 2.101 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032793.D
Acq: 21 Nov 2018 00:36

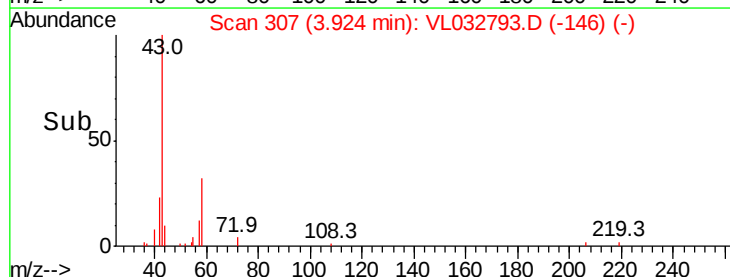
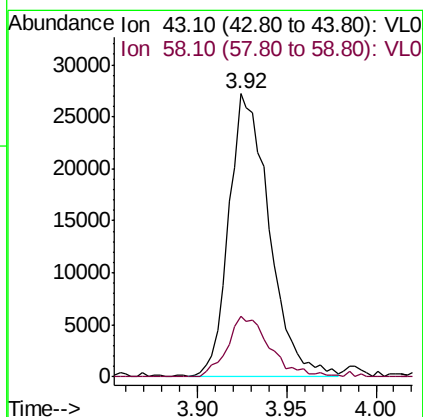
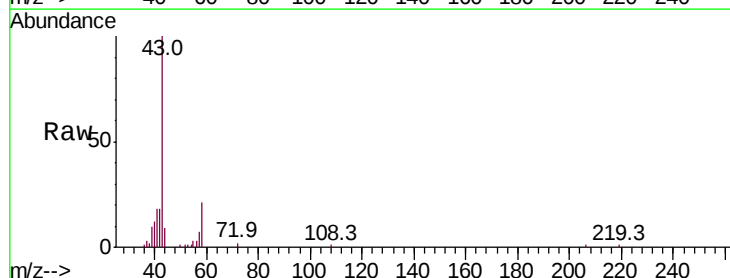
Instrument :
MSVOA_L
ClientSampleId :

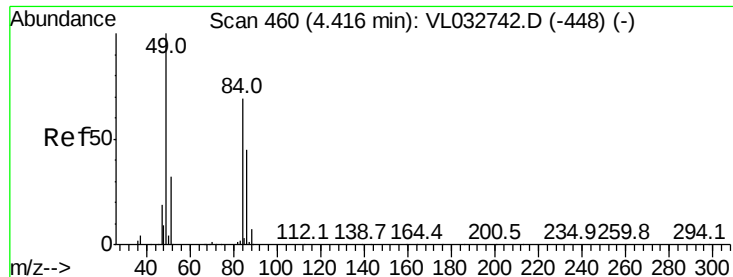
Tot Ion: 45 Resp: 28968
Ion Ratio Lower Upper
45 100
46 0.0 14.5 57.9#



#15
Acetone
Concen: 0.356 ppbv
RT: 3.92 min Scan# 307
Delta R.T. 0.02 min
Lab File: VL032793.D
Acq: 21 Nov 2018 00:36

Tgt Ion: 43 Resp: 43115
Ion Ratio Lower Upper
43 100
58 22.9 21.1 31.7

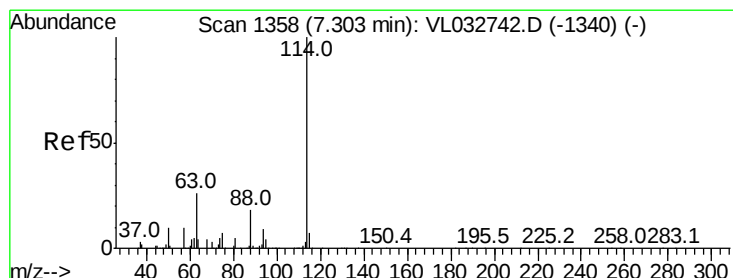
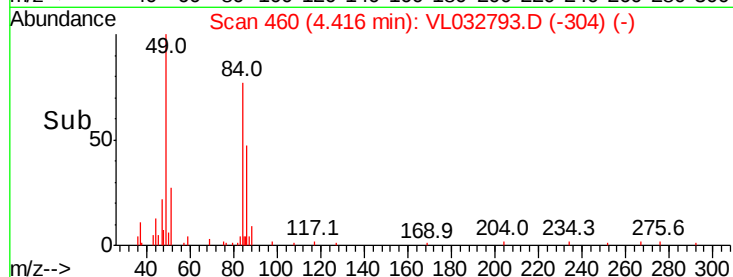
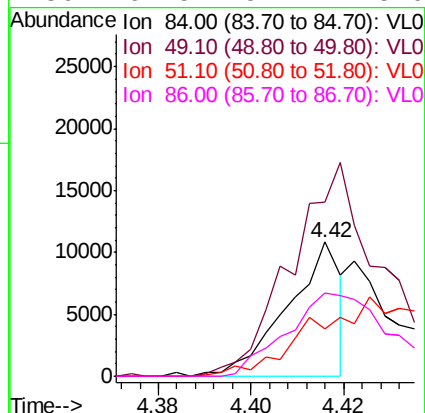
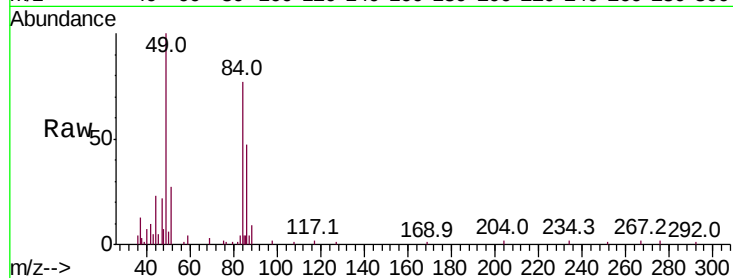




#20
Methylene Chloride
Concen: 0.138 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032793.D
Acq: 21 Nov 2018 00:36

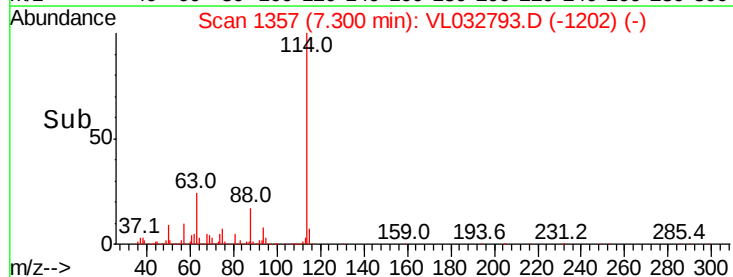
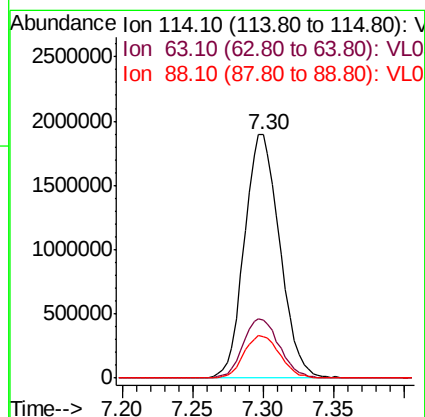
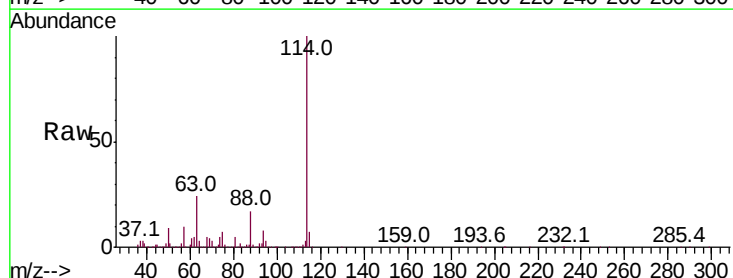
Instrument :
MSVOA_L
ClientSampleId :

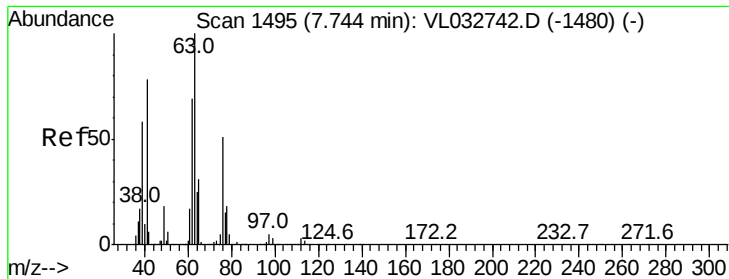
Tot Ion: 84 Resp: 8653
Ion Ratio Lower Upper
84 100
49 130.0 115.8 173.6
51 35.1 36.9 55.3#
86 61.5 52.4 78.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032793.D
Acq: 21 Nov 2018 00:36

Tgt Ion: 114 Resp: 3335101
Ion Ratio Lower Upper
114 100
63 24.9 20.9 31.3
88 17.8 14.4 21.6





#39

1,2-Dichloropropane

Concen: 8.203 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL032793.D

Acq: 21 Nov 2018 00:36

Instrument :

MSVOA_L

ClientSampled :

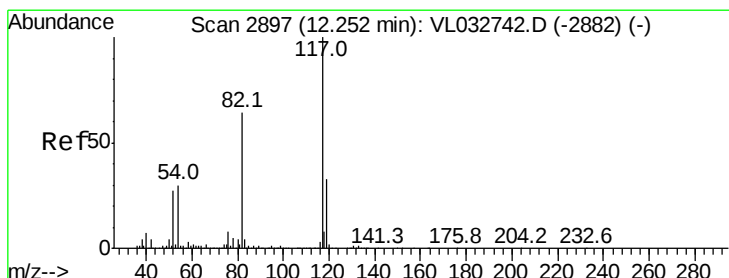
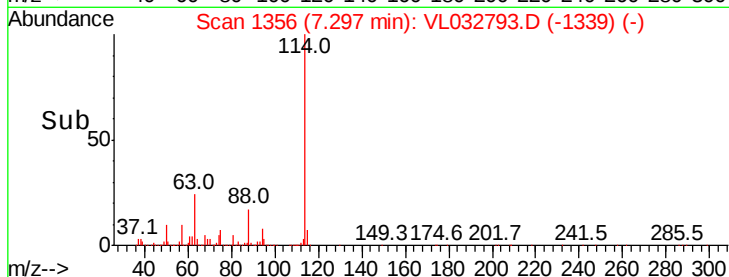
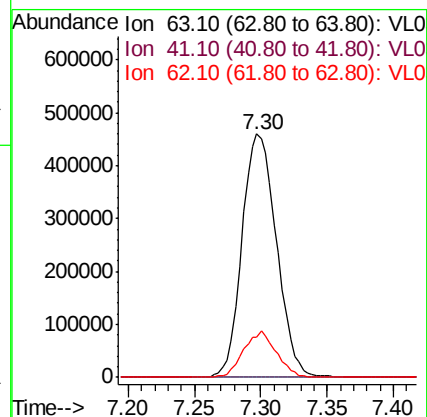
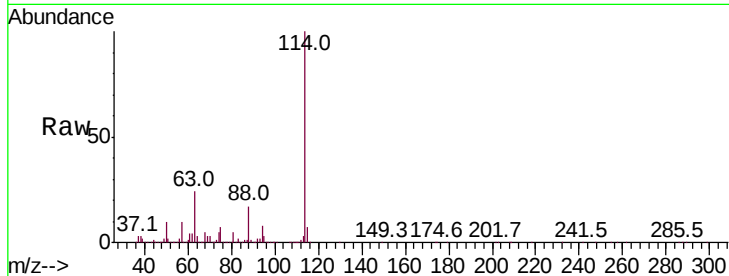
Tot Ion: 63 Resp: 830089

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

62 16.6 55.4 83.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL032793.D

Acq: 21 Nov 2018 00:36

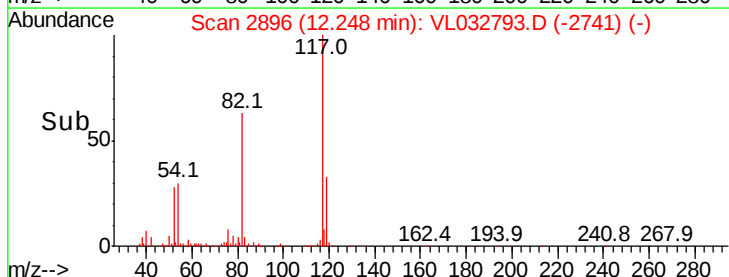
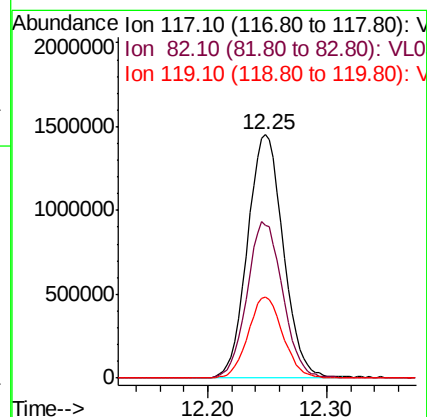
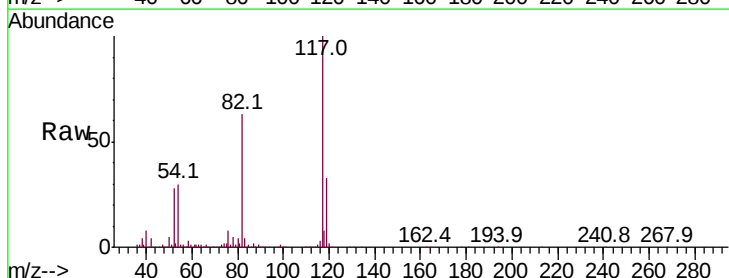
Tgt Ion: 117 Resp: 3023872

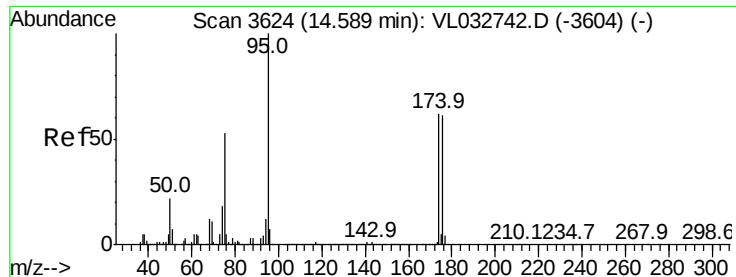
Ion Ratio Lower Upper

117 100

82 64.5 51.0 76.6

119 32.5 28.0 42.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.097 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032793.D

Acq: 21 Nov 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

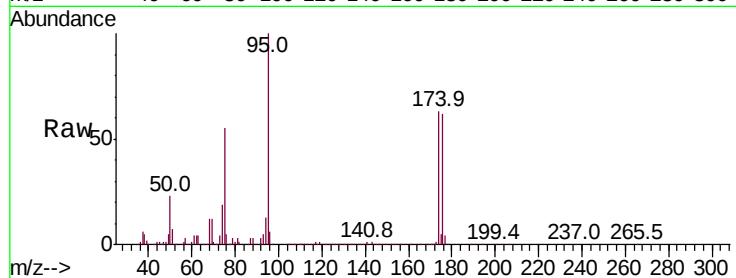
Tot Ion: 95 Resp: 2283543

Ion Ratio Lower Upper

95 100

174 67.1 50.7 76.1

175 5.0 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

