

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037618.D
 Acq On : 16 Sep 2021 16:04
 Operator : SY/AP
 Sample : VL0916ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:27:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1555979	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4624677	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3944669	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2863679	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

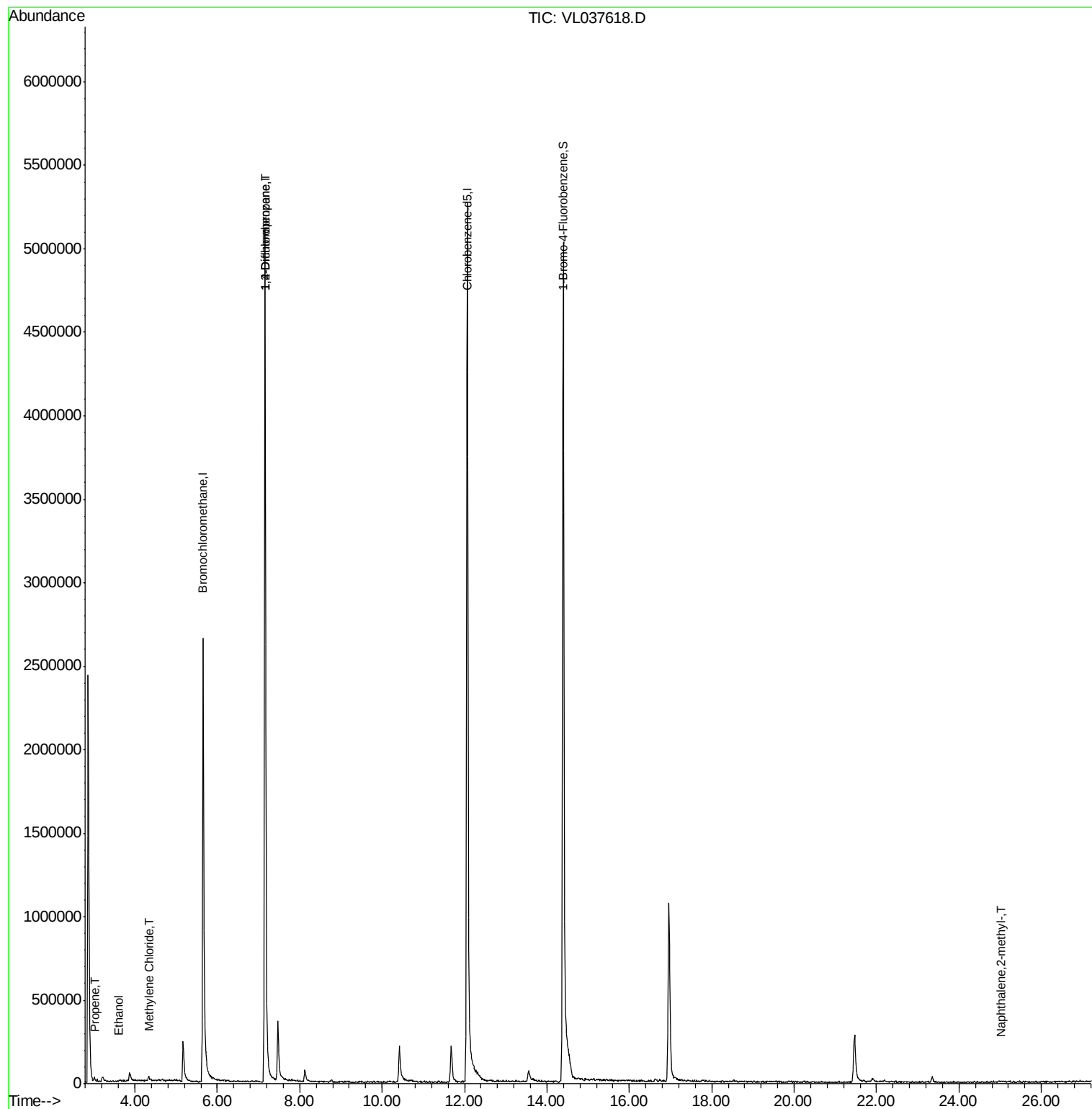
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	4599	0.044	ppbv #	11
13) Ethanol	3.60	45	339	0.033	ppbv #	33
20) Methylene Chloride	4.34	84	3511	0.045	ppbv #	48
39) 1,2-Dichloropropane	7.16	63	1109545	7.512	ppbv #	27
80) Naphthalene,2-methyl-	25.04	142	4187	0.061	ppbv	92

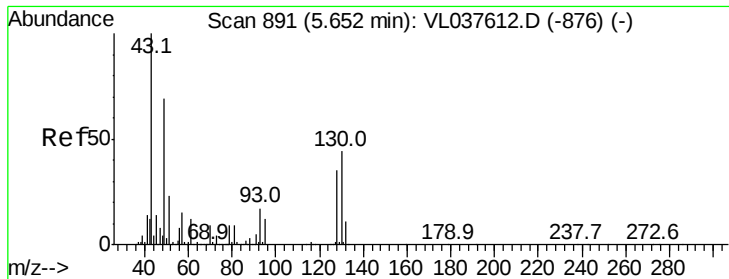
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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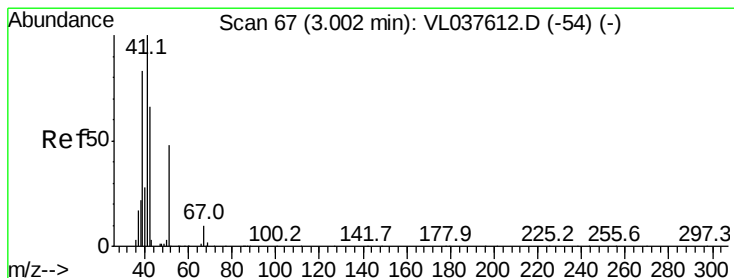
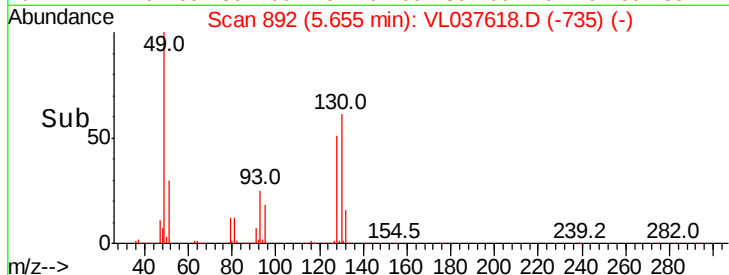
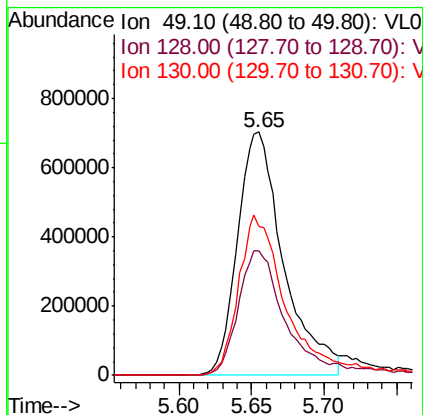
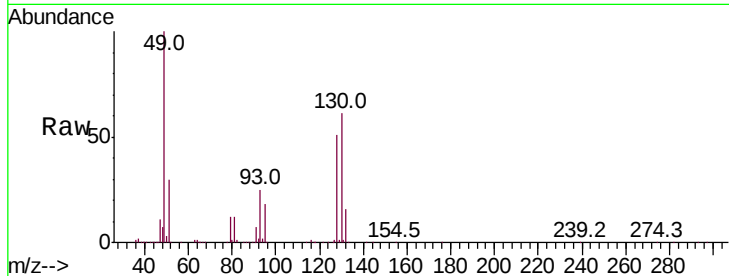


#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VL037618.D
 Acq: 16 Sep 2021 16:04

Instrument :
 MSVOA_L
 ClientSampleId :

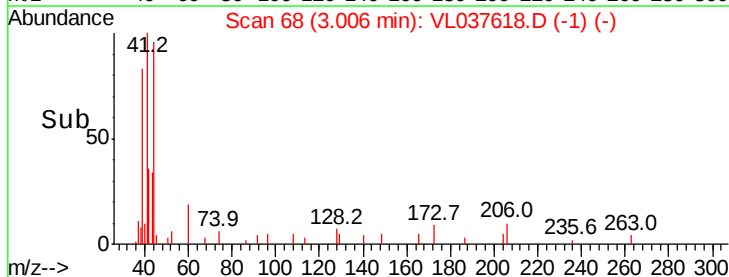
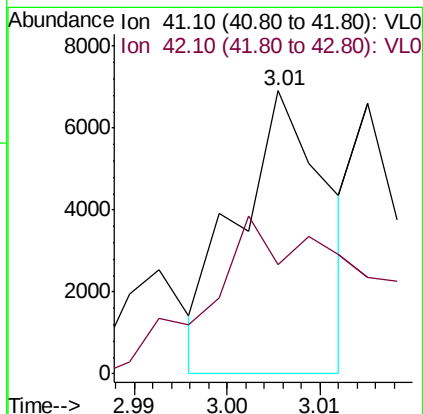
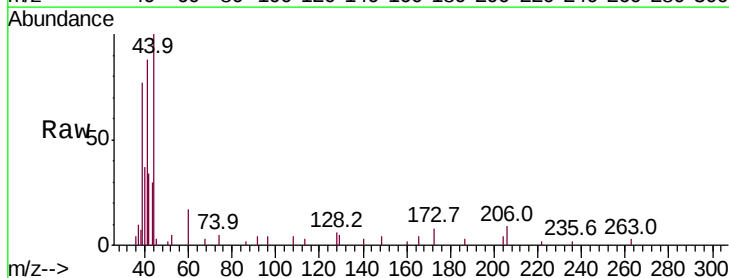
Tot Ion: 49 Resp: 1555979
 Ion Ratio Lower Upper
 49 100
 128 54.2 27.9 83.6
 130 70.8 33.9 101.7

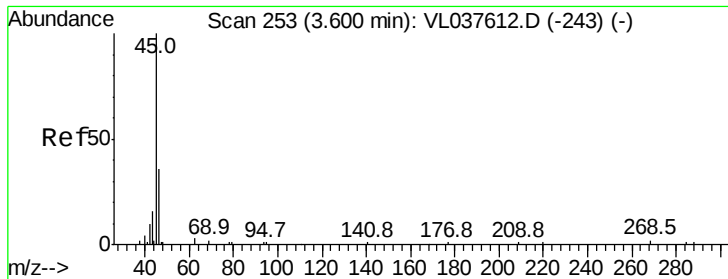


#9

Propene
 Concen: 0.044 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: VL037618.D
 Acq: 16 Sep 2021 16:04

Tgt Ion: 41 Resp: 4599
 Ion Ratio Lower Upper
 41 100
 42 145.1 57.2 85.8#





#13

Ethanol

Concen: 0.033 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL037618.D

Acq: 16 Sep 2021 16:04

Instrument :

MSVOA_L

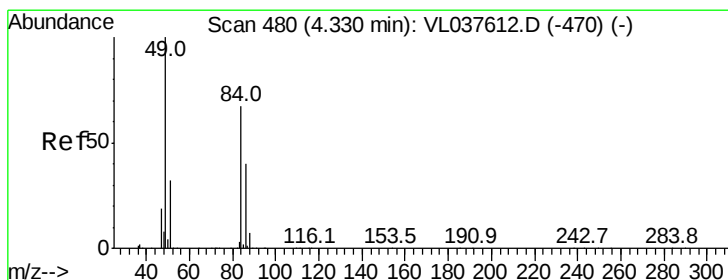
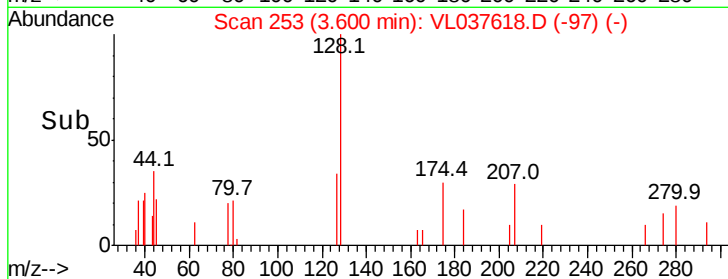
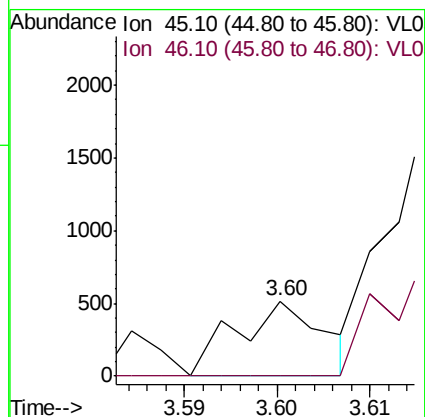
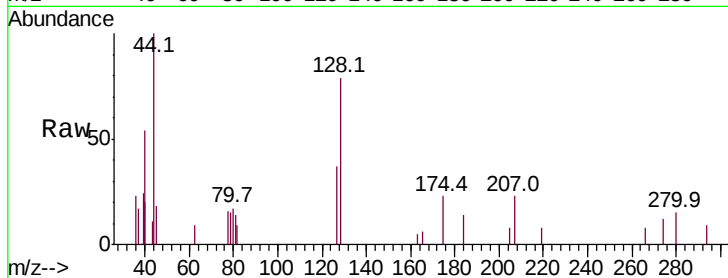
ClientSampleId :

Tot Ion: 45 Resp: 339

Ion Ratio Lower Upper

45 100

46 0.0 17.2 68.8#



#20

Methylene Chloride

Concen: 0.045 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037618.D

Acq: 16 Sep 2021 16:04

Tgt Ion: 84 Resp: 3511

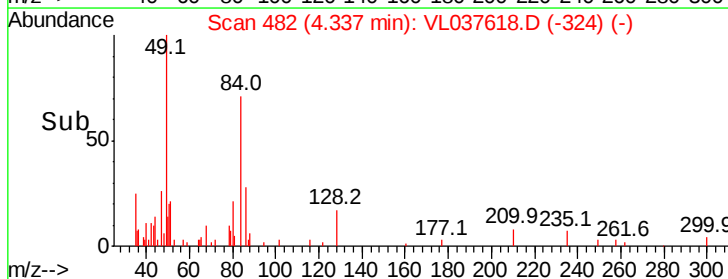
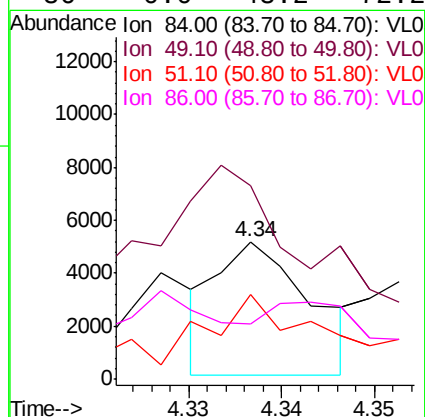
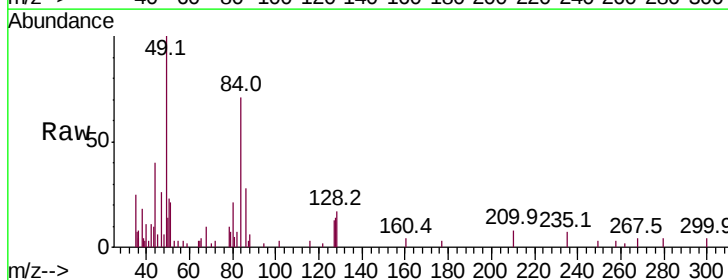
Ion Ratio Lower Upper

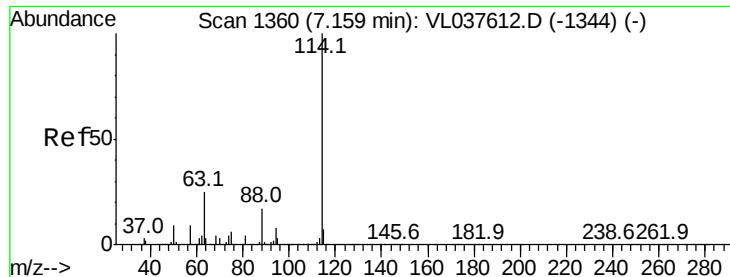
84 100

49 85.8 120.0 180.0#

51 61.6 38.0 57.0#

86 0.0 48.2 72.2#

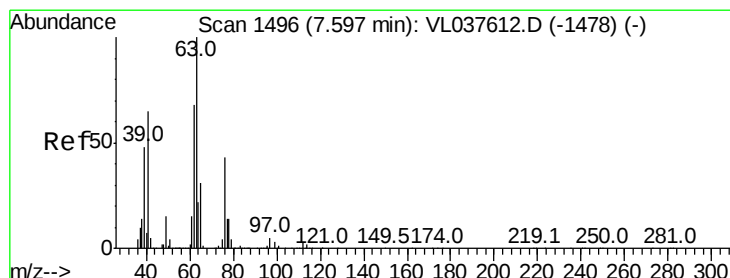
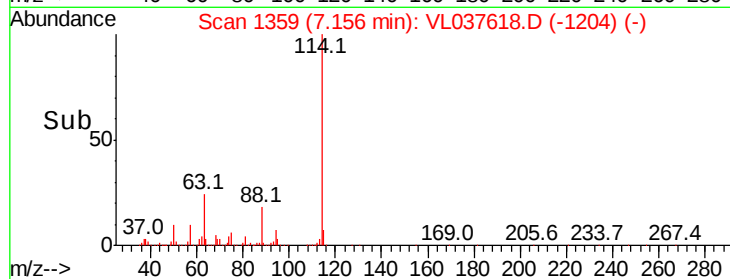
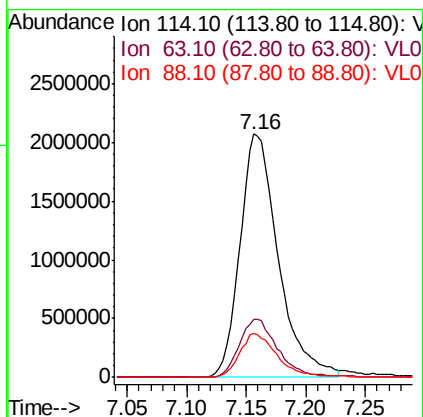
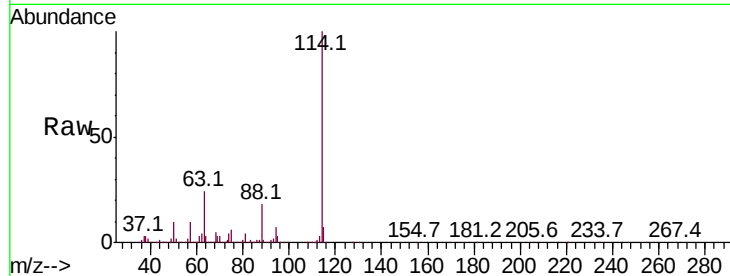




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037618.D
 Acq: 16 Sep 2021 16:04

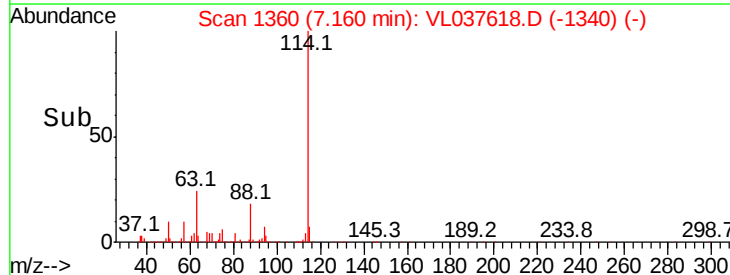
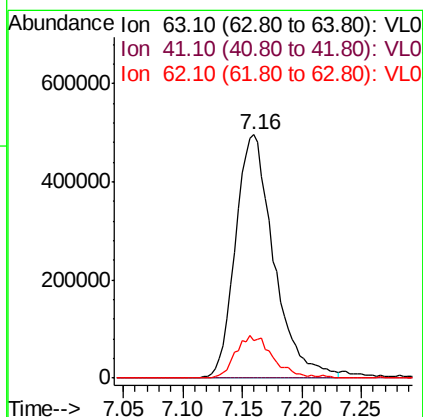
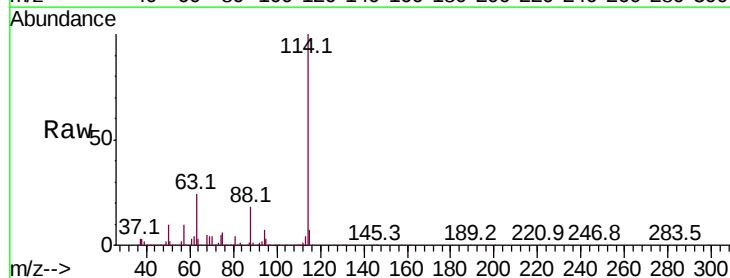
Instrument :
 MSVOA_L
 ClientSampled :

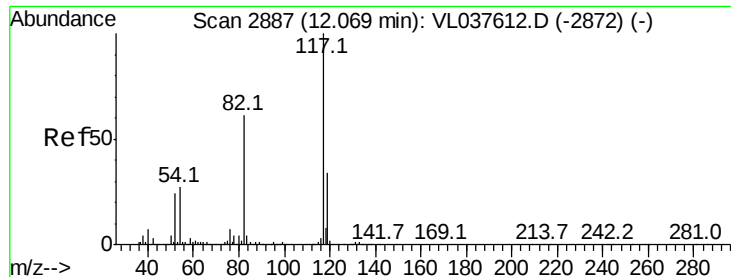
Tot Ion:114 Resp: 4624677
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 18.3 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 7.512 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.44 min
 Lab File: VL037618.D
 Acq: 16 Sep 2021 16:04

Tgt Ion: 63 Resp: 1109545
 Ion Ratio Lower Upper
 63 100
 41 0.0 51.6 77.4#
 62 15.6 54.6 81.8#

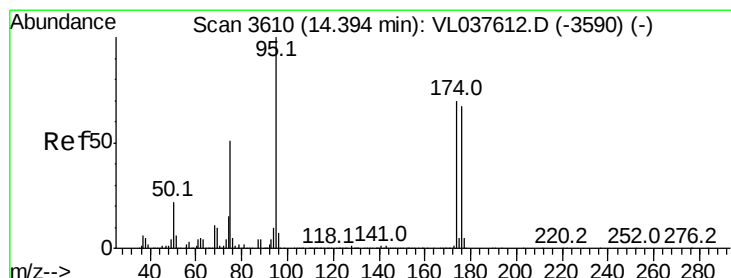
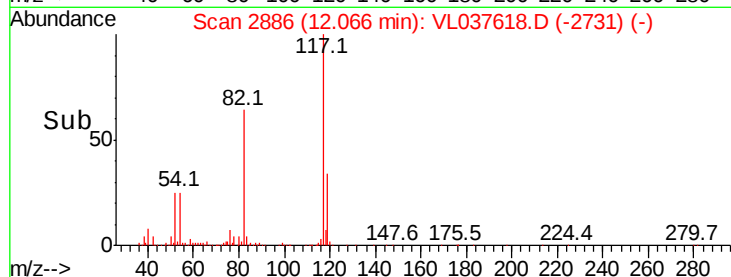
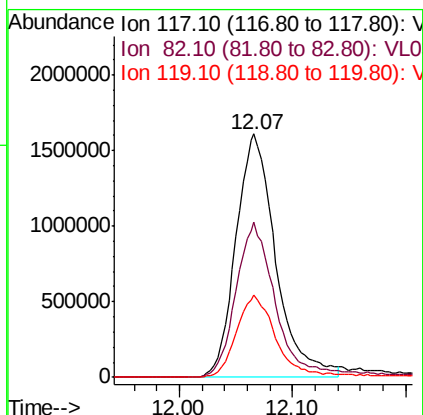
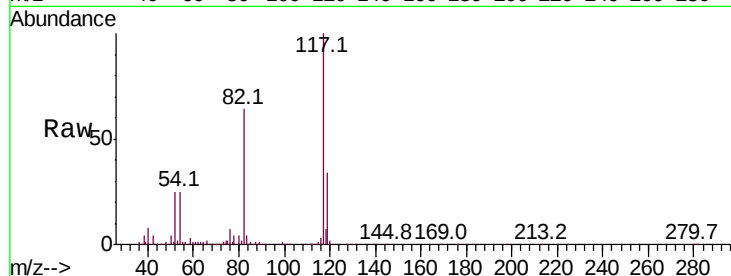




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037618.D
Acq: 16 Sep 2021 16:04

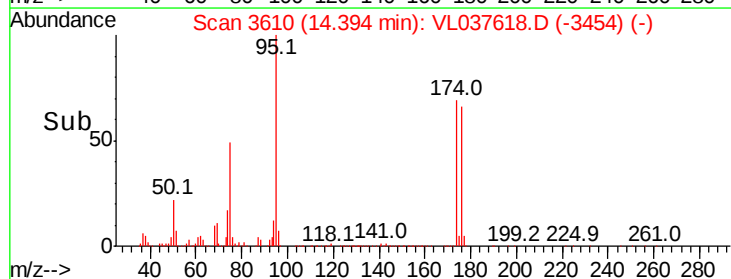
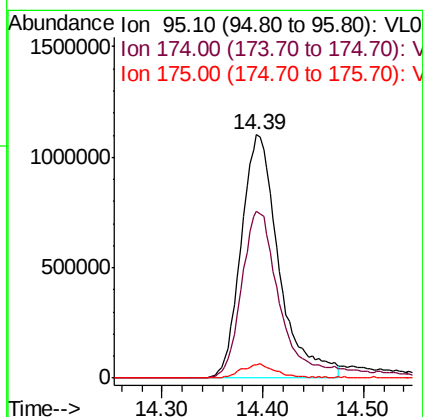
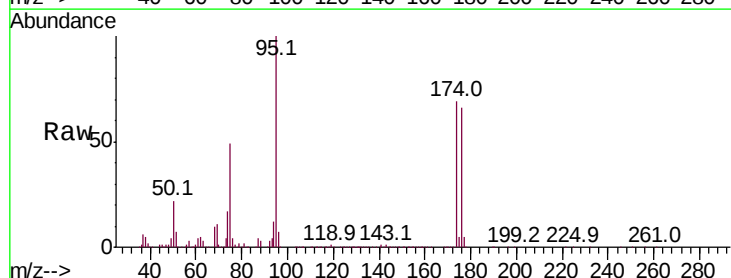
Instrument :
MSVOA_L
ClientSampleId :

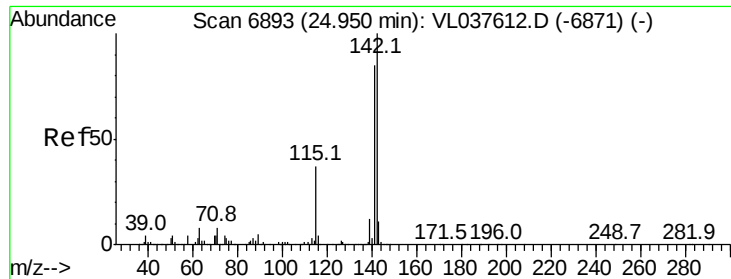
Tot Ion:117 Resp: 3944669
Ion Ratio Lower Upper
117 100
82 64.4 50.6 75.8
119 35.6 26.2 39.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.045 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VL037618.D
Acq: 16 Sep 2021 16:04

Tgt Ion: 95 Resp: 2863679
Ion Ratio Lower Upper
95 100
174 74.5 56.3 84.5
175 5.8 4.4 6.6





#80

Naphthalene,2-methyl-

Concen: 0.061 ppbv

RT: 25.04 min Scan# 6921

Delta R.T. 0.09 min

Lab File: VL037618.D

Acq: 16 Sep 2021 16:04

Instrument :

MSVOA_L

ClientSampleId :

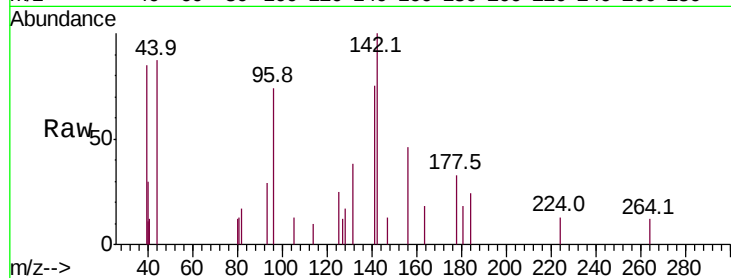
Tot Ion:142 Resp: 4187

Ion Ratio Lower Upper

142 100

141 81.3 70.9 106.3

115 31.3 29.6 44.4



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

