

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037942.D
 Acq On : 1 Nov 2021 17:02
 Operator : SY/AP
 Sample : VL1101ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1101ABL01

Quant Time: Nov 02 06:06:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1550279	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4487420	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3851300	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2754155	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

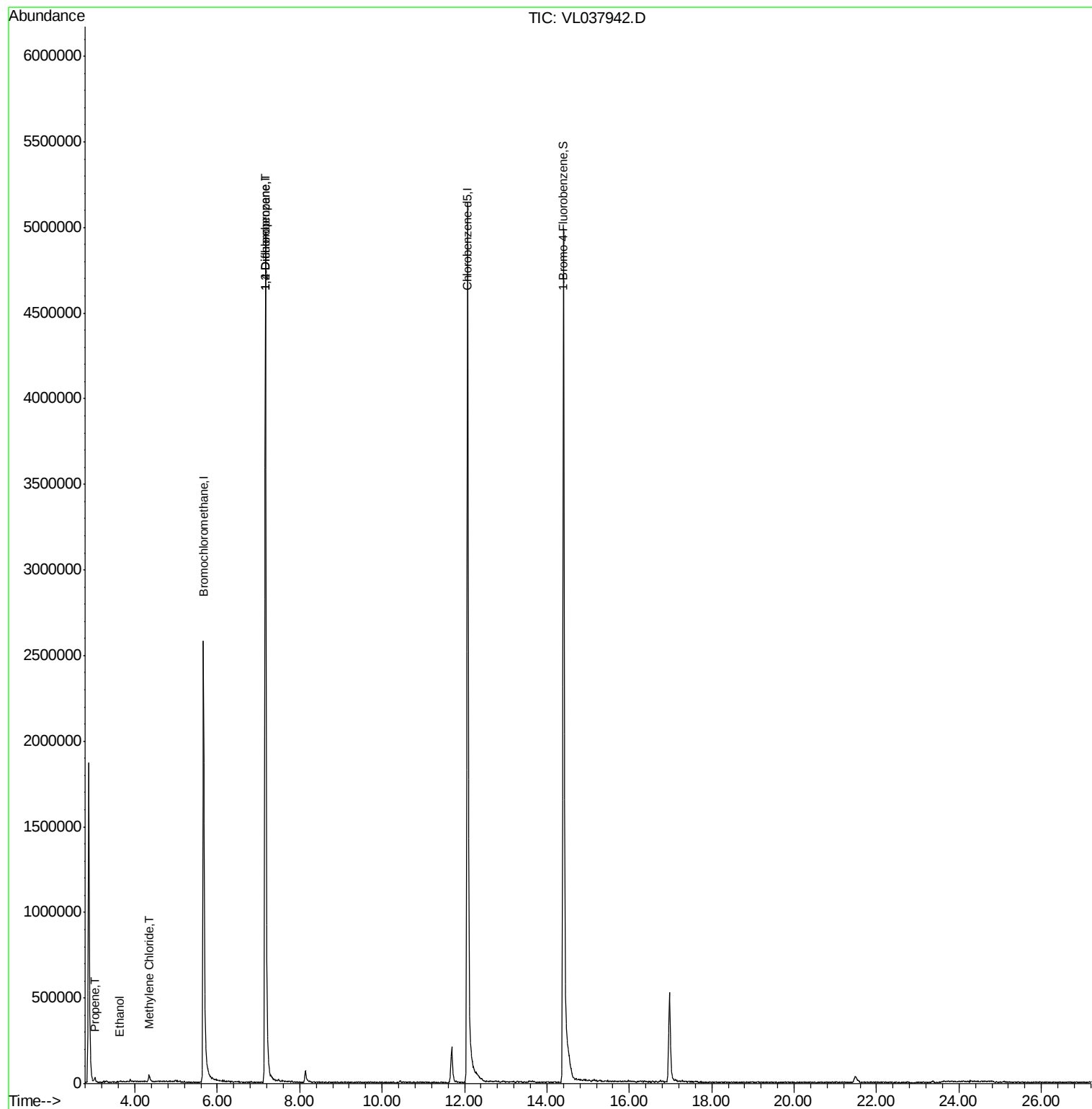
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	4723	0.046	ppbv #	22
13) Ethanol	3.61	45	349	0.033	ppbv #	32
20) Methylene Chloride	4.34	84	12855	0.183	ppbv #	80
39) 1,2-Dichloropropane	7.17	63	1051948	7.650	ppbv #	28

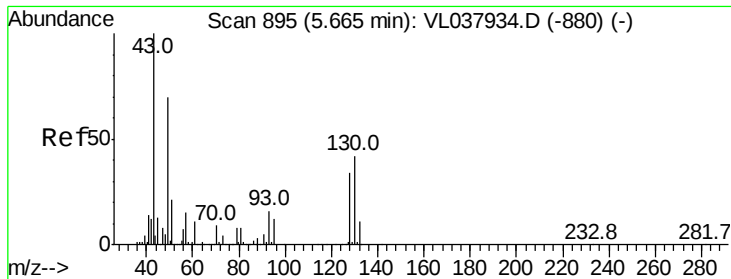
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VL1101ABL01

Acq: 1 Nov 2021 17:02

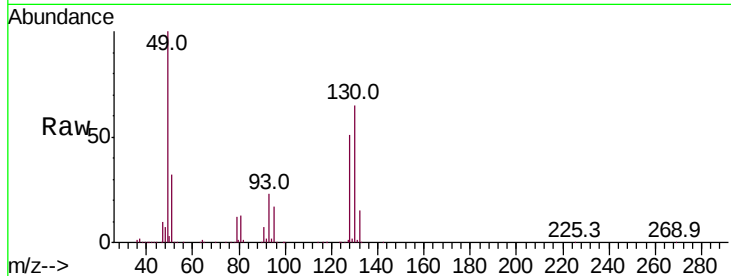
Tot Ion: 49 Resp: 1550279

Ion Ratio Lower Upper

49 100

128 53.8 27.0 81.0

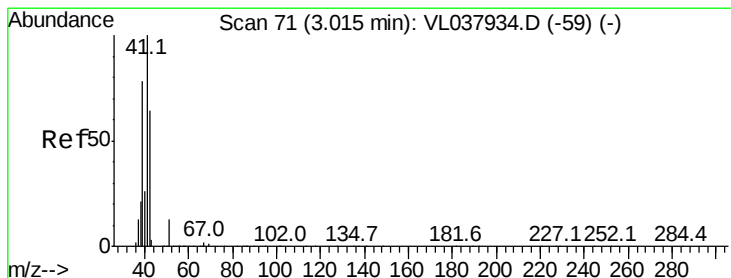
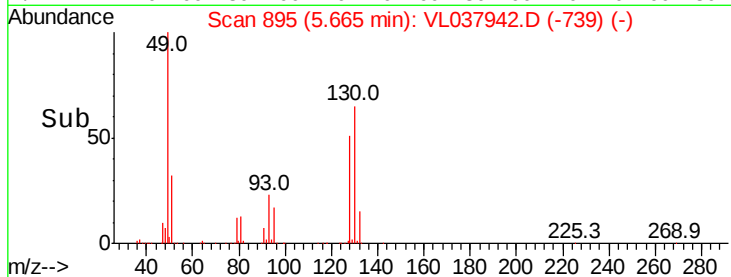
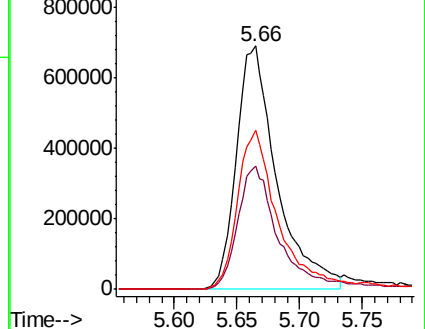
130 69.0 33.4 100.2



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



#9

Propene

Concen: 0.046 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL037942.D

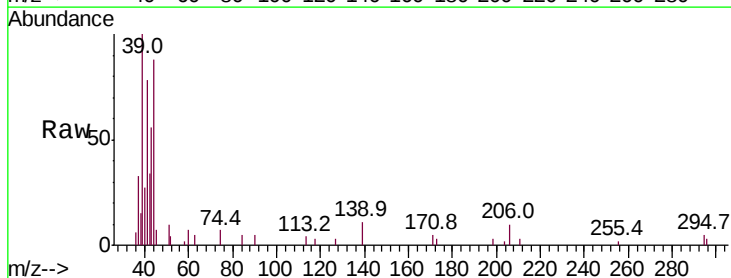
Acq: 1 Nov 2021 17:02

Tgt Ion: 41 Resp: 4723

Ion Ratio Lower Upper

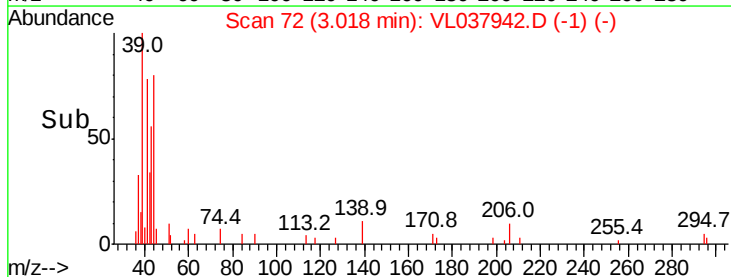
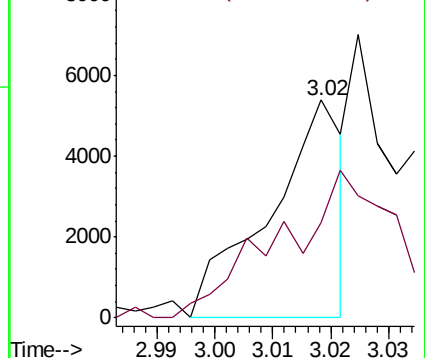
41 100

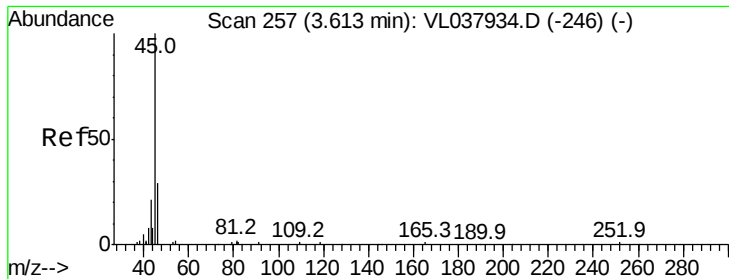
42 136.7 57.6 86.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

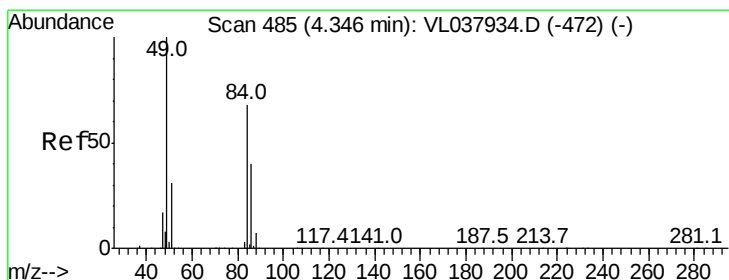
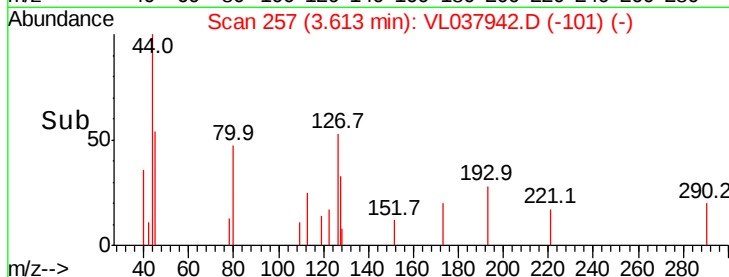
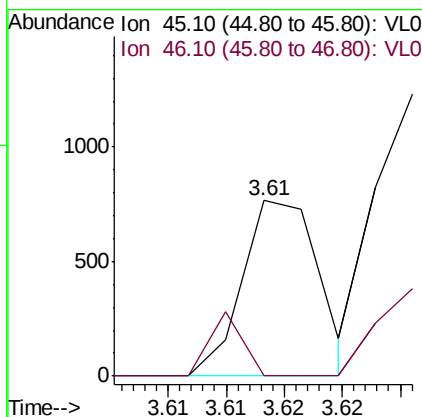
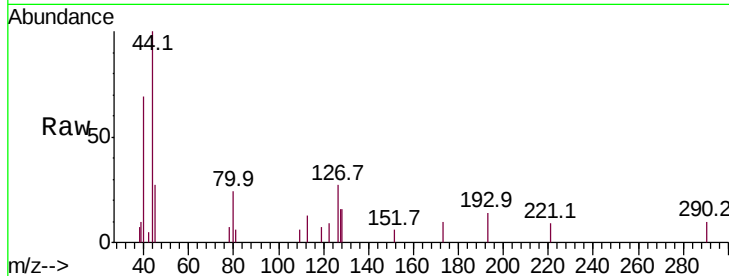
Ion 42.10 (41.80 to 42.80): VL0





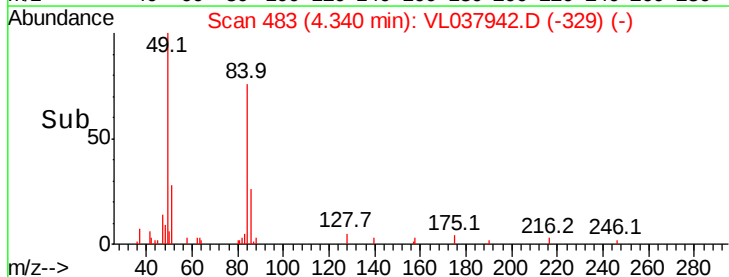
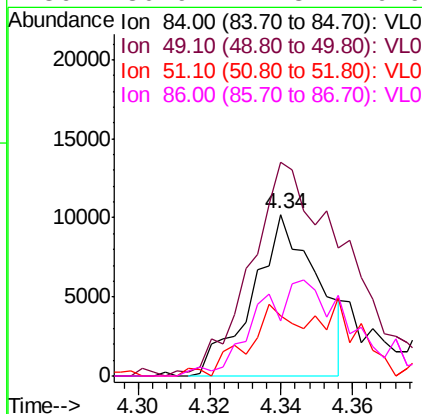
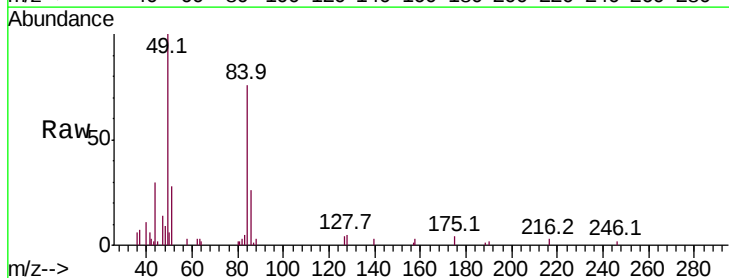
#13
 Ethanol
 Concen: 0.033 ppbv
 RT: 3.61
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL1101ABL01
 Acq: 1 Nov 2021 17:02

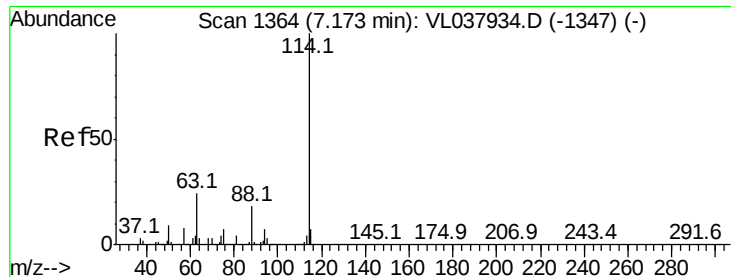
Tot Ion: 45 Resp: 349
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.4 69.8#



#20
 Methylene Chloride
 Concen: 0.183 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: VL037942.D
 Acq: 1 Nov 2021 17:02

Tgt Ion: 84 Resp: 12855
 Ion Ratio Lower Upper
 84 100
 49 129.5 117.5 176.3
 51 32.2 35.9 53.9#
 86 30.9 47.3 70.9#

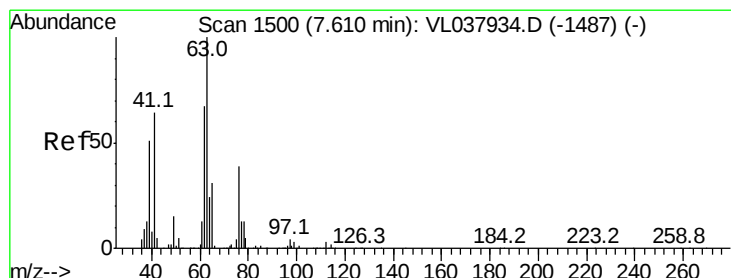
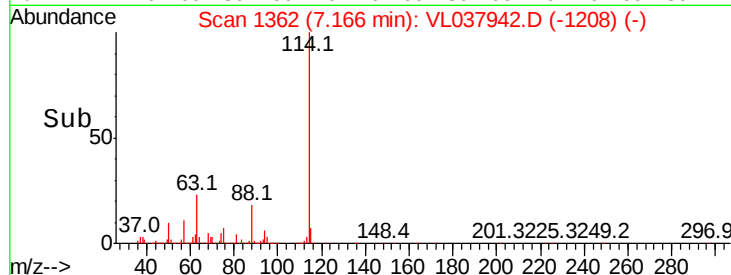
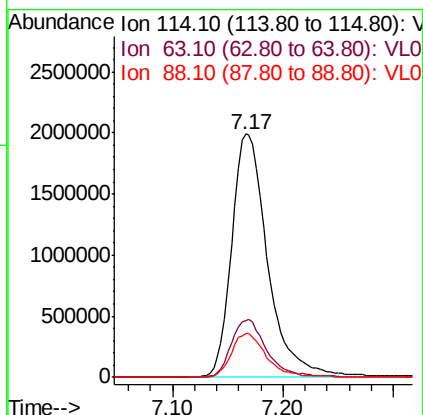
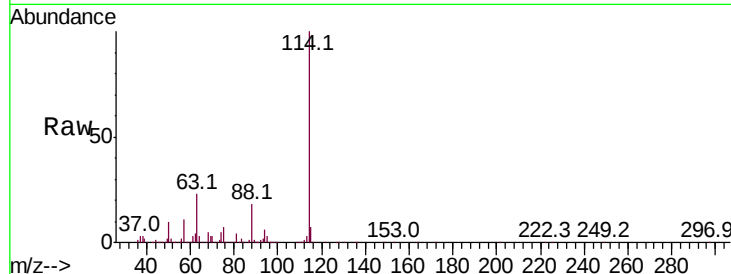




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1101ABL01
 Acq: 1 Nov 2021 17:02

Tot Ion:114 Resp: 4487420

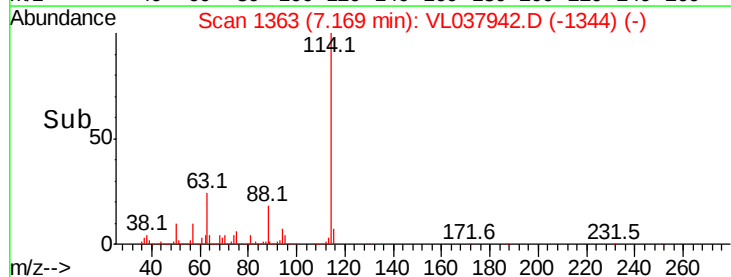
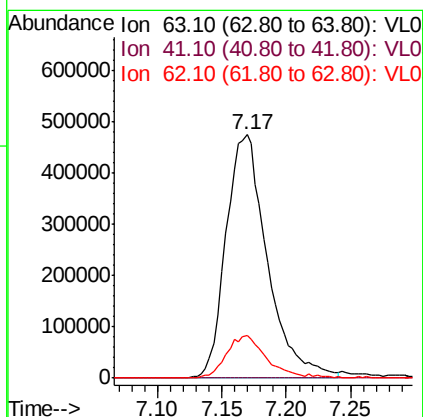
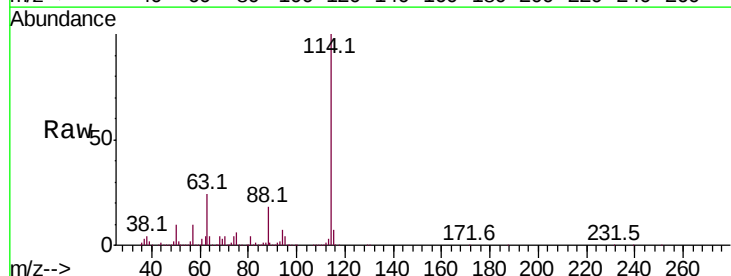
Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.4	29.0
88	18.1	14.2	21.4

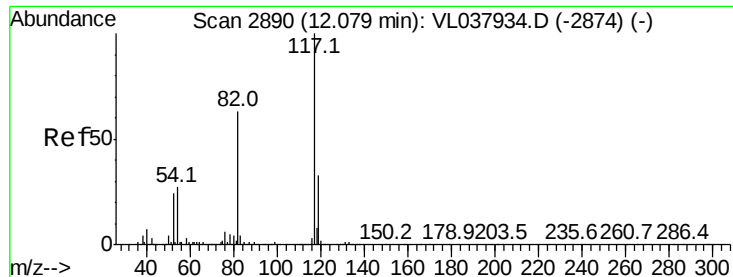


#39
 1,2-Dichloropropane
 Concen: 7.650 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL037942.D
 Acq: 1 Nov 2021 17:02

Tgt Ion: 63 Resp: 1051948

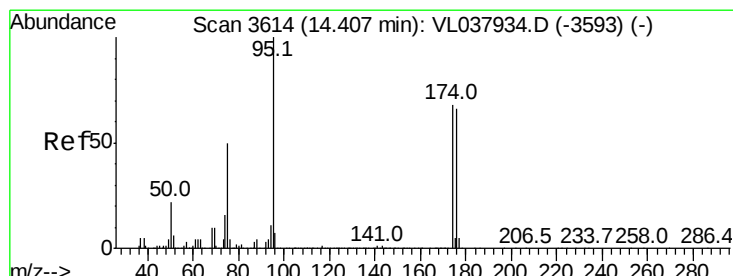
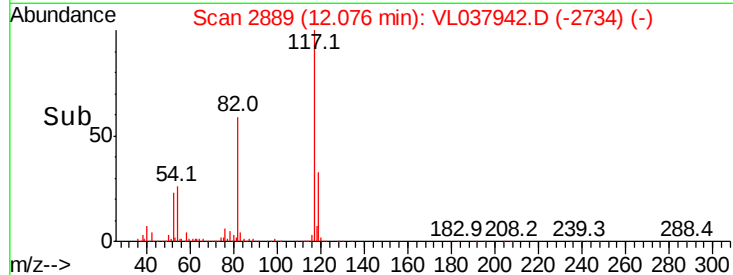
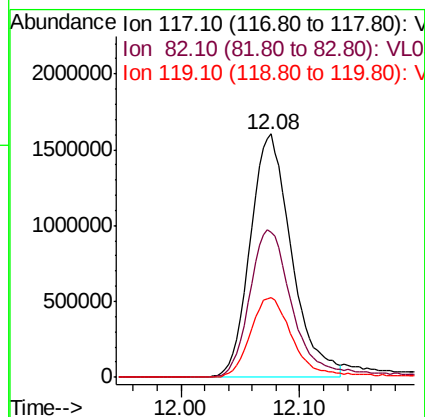
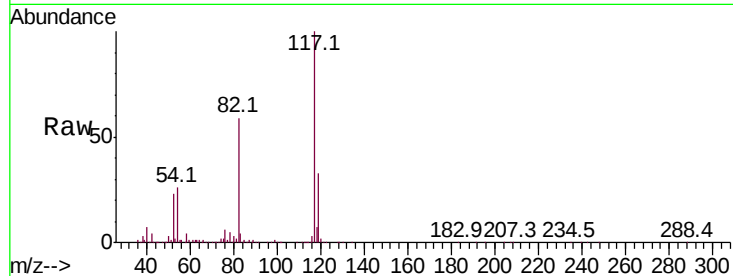
Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	17.3	53.5	80.3#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1101ABL01
Acq: 1 Nov 2021 17:02

Tot Ion: 117 Resp: 3851300
Ion Ratio Lower Upper
117 100
82 66.8 51.0 76.6
119 34.8 26.9 40.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.838 ppbv
RT: 14.41 min Scan# 3614
Delta R.T.: 0.00 min
Lab File: VL037942.D
Acq: 1 Nov 2021 17:02

Tgt Ion: 95 Resp: 2754155
Ion Ratio Lower Upper
95 100
174 76.6 58.3 87.5
175 5.8 4.6 6.8

