

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039037.D
 Acq On : 13 May 2022 14:21
 Operator : SY/AP
 Sample : VL0513ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0513ABL03

Quant Time: May 14 00:51:43 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	895624	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2216766	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1805132	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1415344	9.90	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

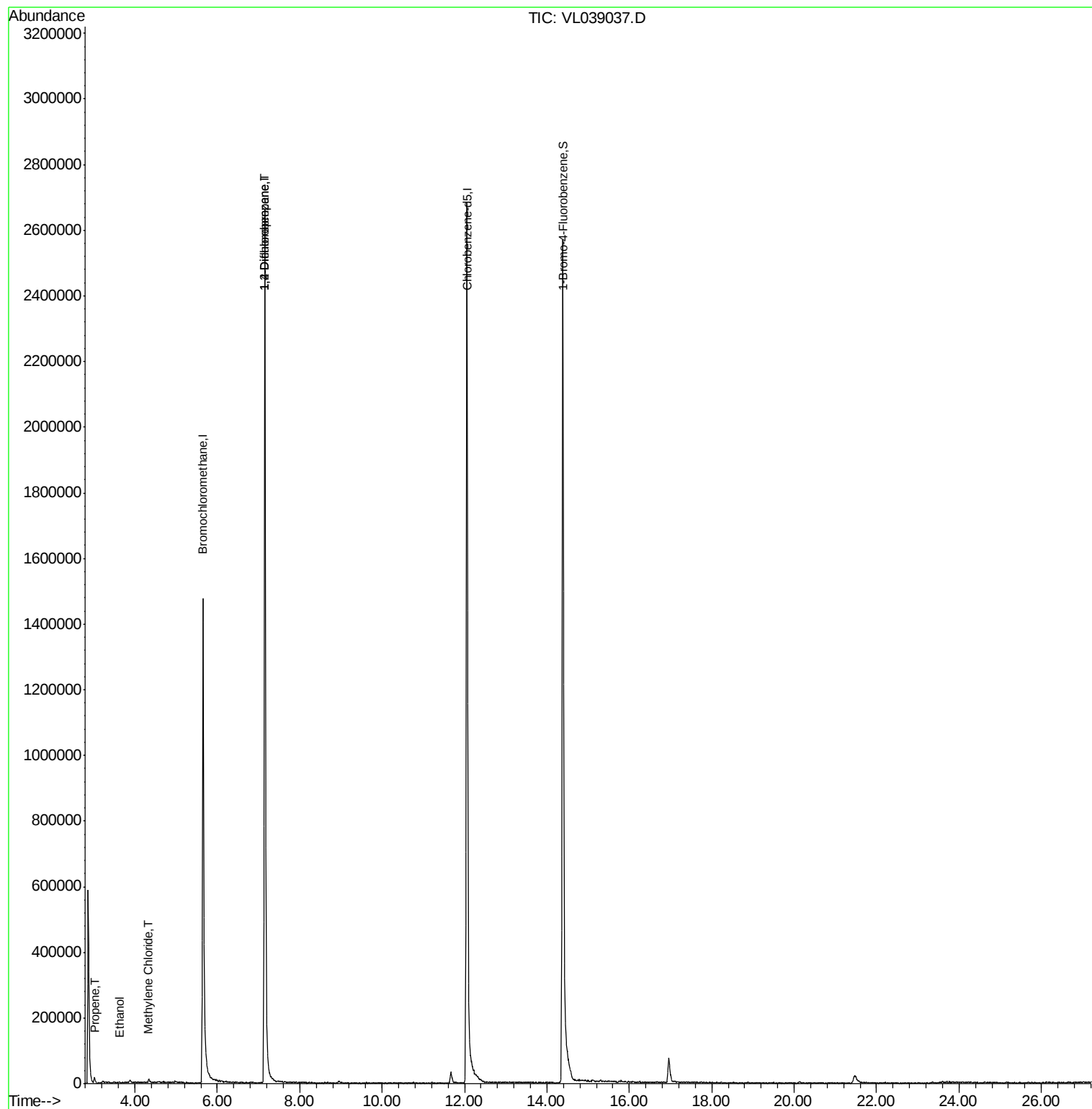
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2397	0.049	ppbv #	23
13) Ethanol	3.61	45	274	0.080	ppbv #	31
20) Methylene Chloride	4.33	84	1177	0.037	ppbv #	40
39) 1,2-Dichloropropane	7.15	63	583209	7.901	ppbv #	26

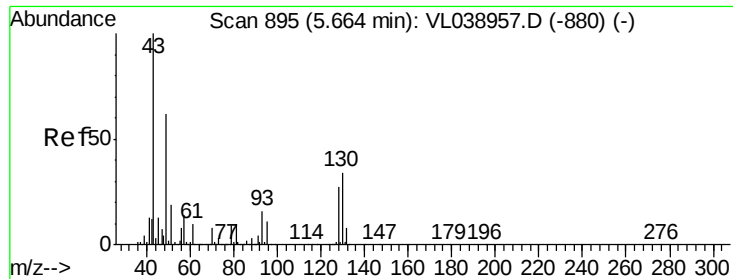
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABL03

Acq: 13 May 2022 14:21

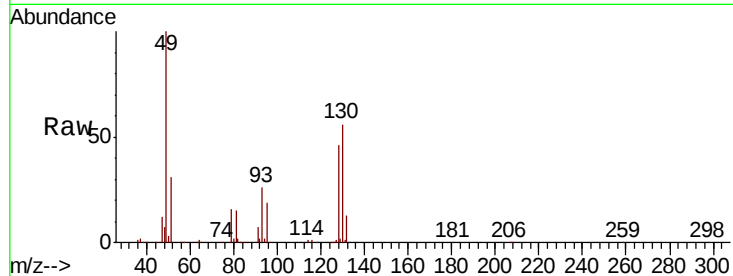
Tot Ion: 49 Resp: 895624

Ion Ratio Lower Upper

49 100

128 49.5 23.3 69.8

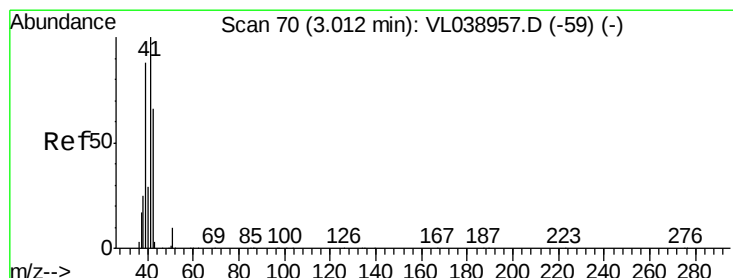
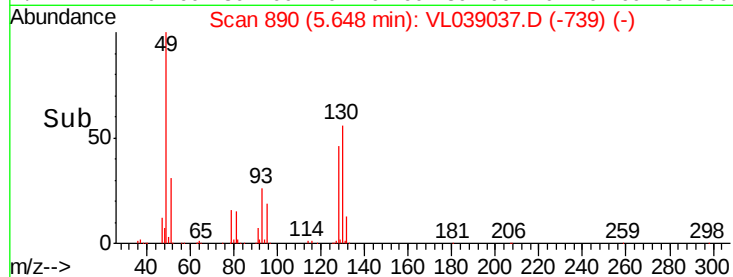
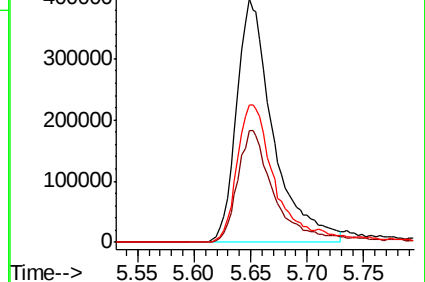
130 62.1 29.8 89.3



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: 0.049 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL039037.D

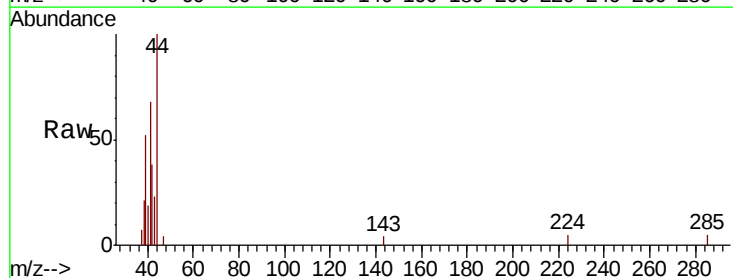
Acq: 13 May 2022 14:21

Tgt Ion: 41 Resp: 2397

Ion Ratio Lower Upper

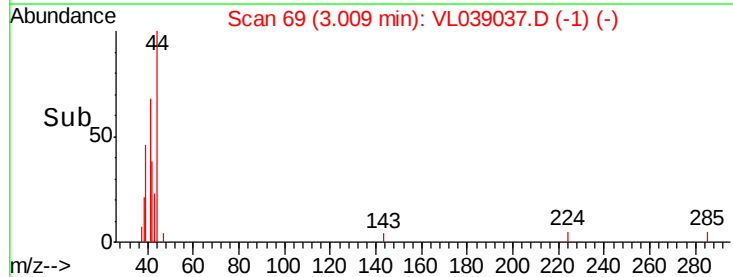
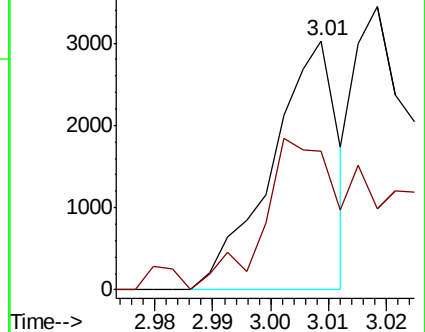
41 100

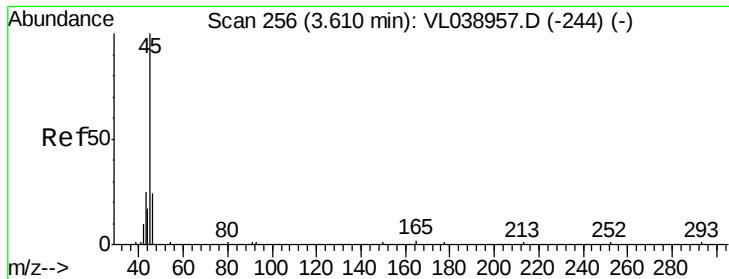
42 137.1 58.3 87.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

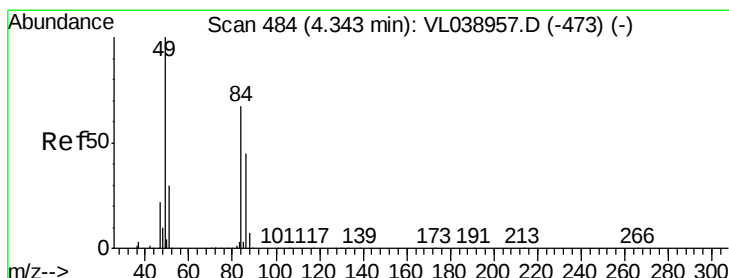
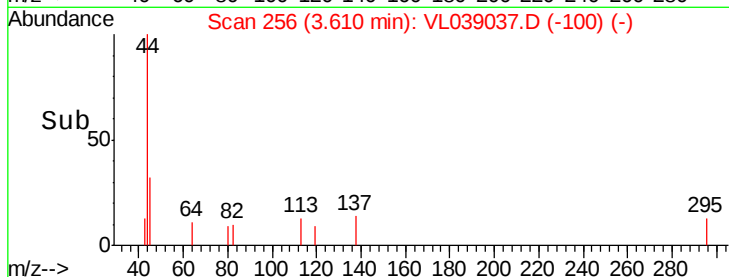
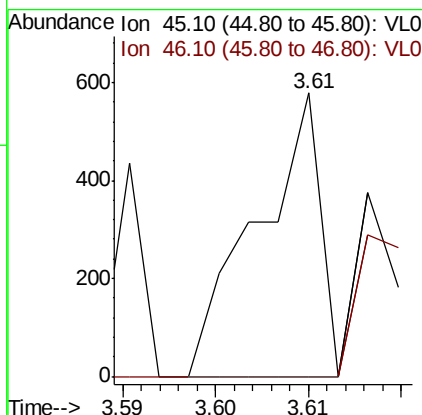
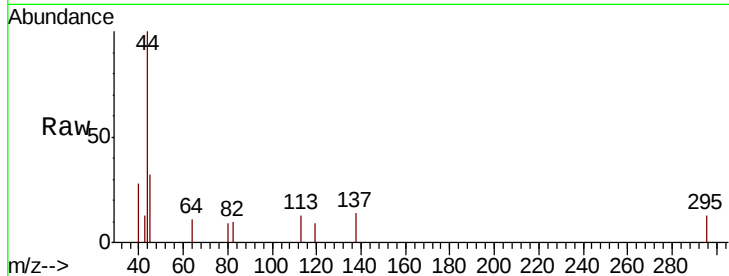
Ion 42.10 (41.80 to 42.80): VL0





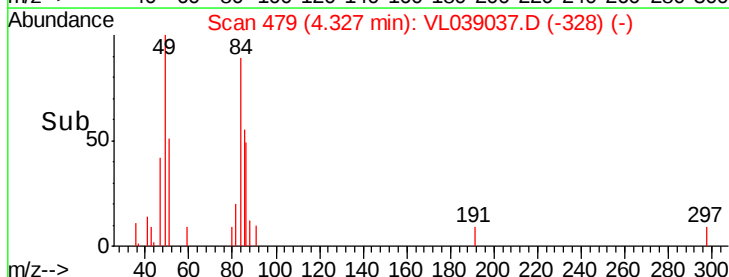
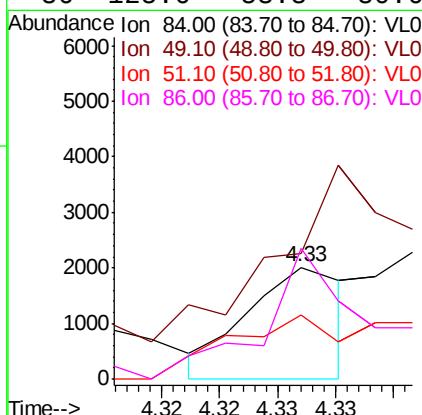
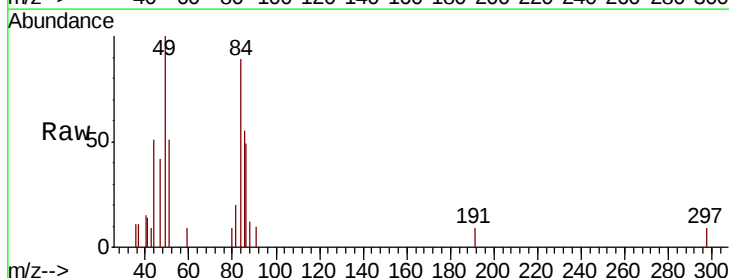
#13
Ethanol
Concen: 0.080 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0513ABL03
Acq: 13 May 2022 14:21

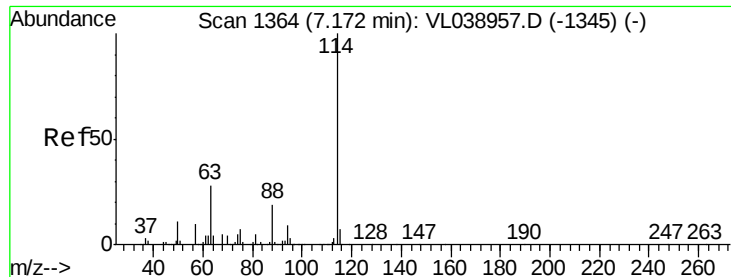
Tot Ion: 45 Resp: 274
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#



#20
Methylene Chloride
Concen: 0.037 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL039037.D
Acq: 13 May 2022 14:21

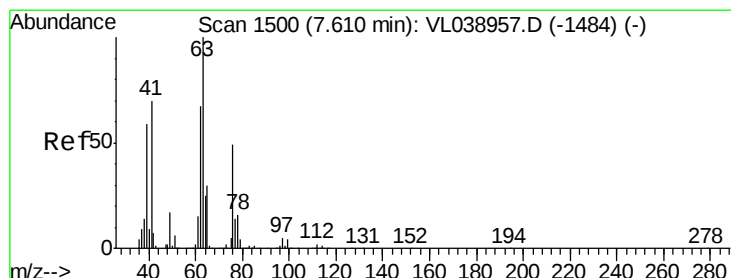
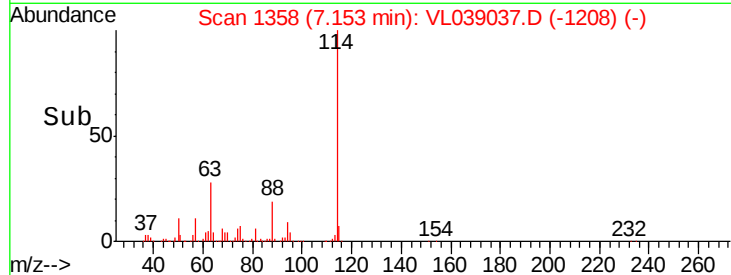
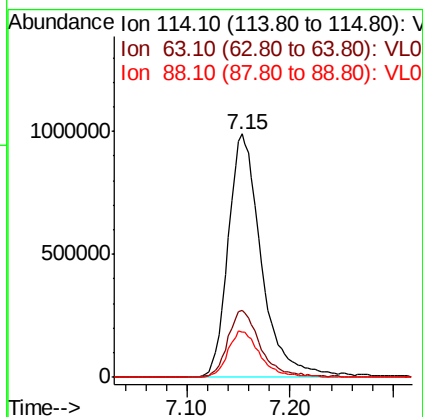
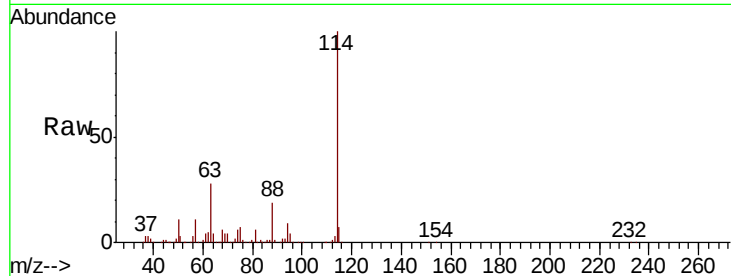
Tgt Ion: 84 Resp: 1177
Ion Ratio Lower Upper
84 100
49 59.2 119.9 179.9#
51 46.7 35.7 53.5
86 125.6 53.8 80.6#





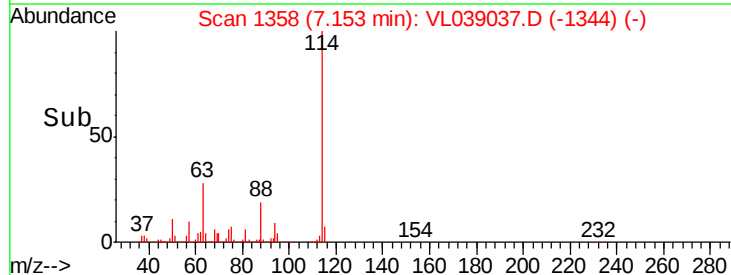
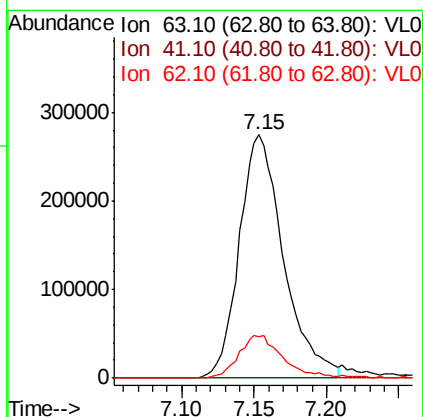
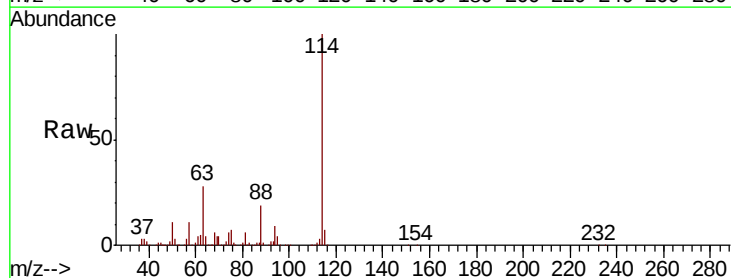
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VL0513ABL03
 Acq: 13 May 2022 14:21

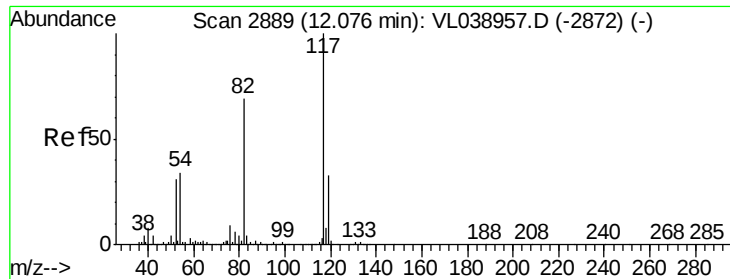
Tot Ion:	114	Resp:	2216766
Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.6	33.8
88	19.1	15.4	23.0



#39
 1,2-Dichloropropane
 Concen: 7.901 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T.: -0.46 min
 Lab File: VL039037.D
 Acq: 13 May 2022 14:21

Tgt Ion:	63	Resp:	583209
Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	17.0	53.8	80.6#

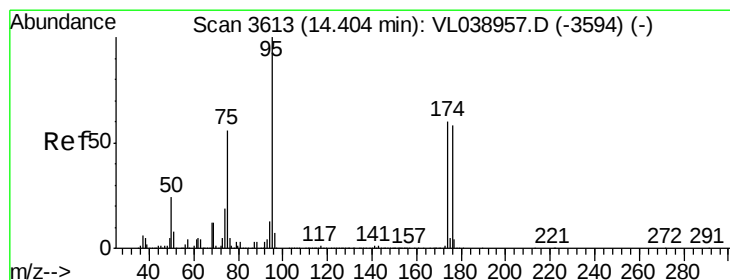
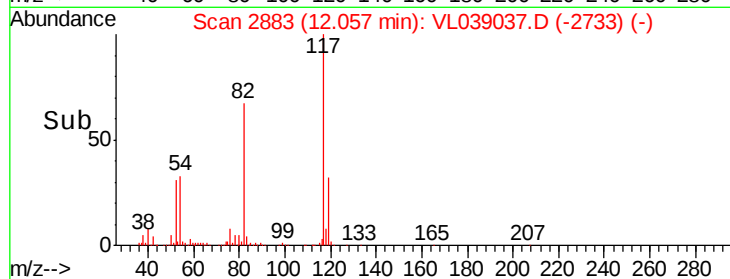
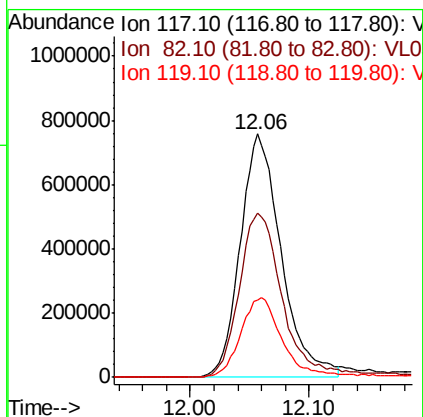
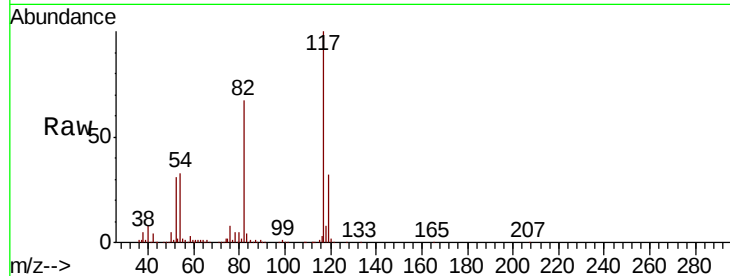




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0513ABL03
 Acq: 13 May 2022 14:21

Tot Ion:117 Resp: 1805132

Ion	Ratio	Lower	Upper
117	100		
82	75.5	57.0	85.6
119	34.4	27.2	40.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.900 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T.: -0.02 min
 Lab File: VL039037.D
 Acq: 13 May 2022 14:21

Tgt Ion: 95 Resp: 1415344

Ion	Ratio	Lower	Upper
95	100		
174	65.7	50.8	76.2
175	4.7	3.8	5.6

