

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039035.D
 Acq On : 13 May 2022 13:06
 Operator : SY/AP
 Sample : VL0513ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0513ABL01

Quant Time: May 14 00:51:29 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	974801	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2534655	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2081589	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1531999	9.29	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

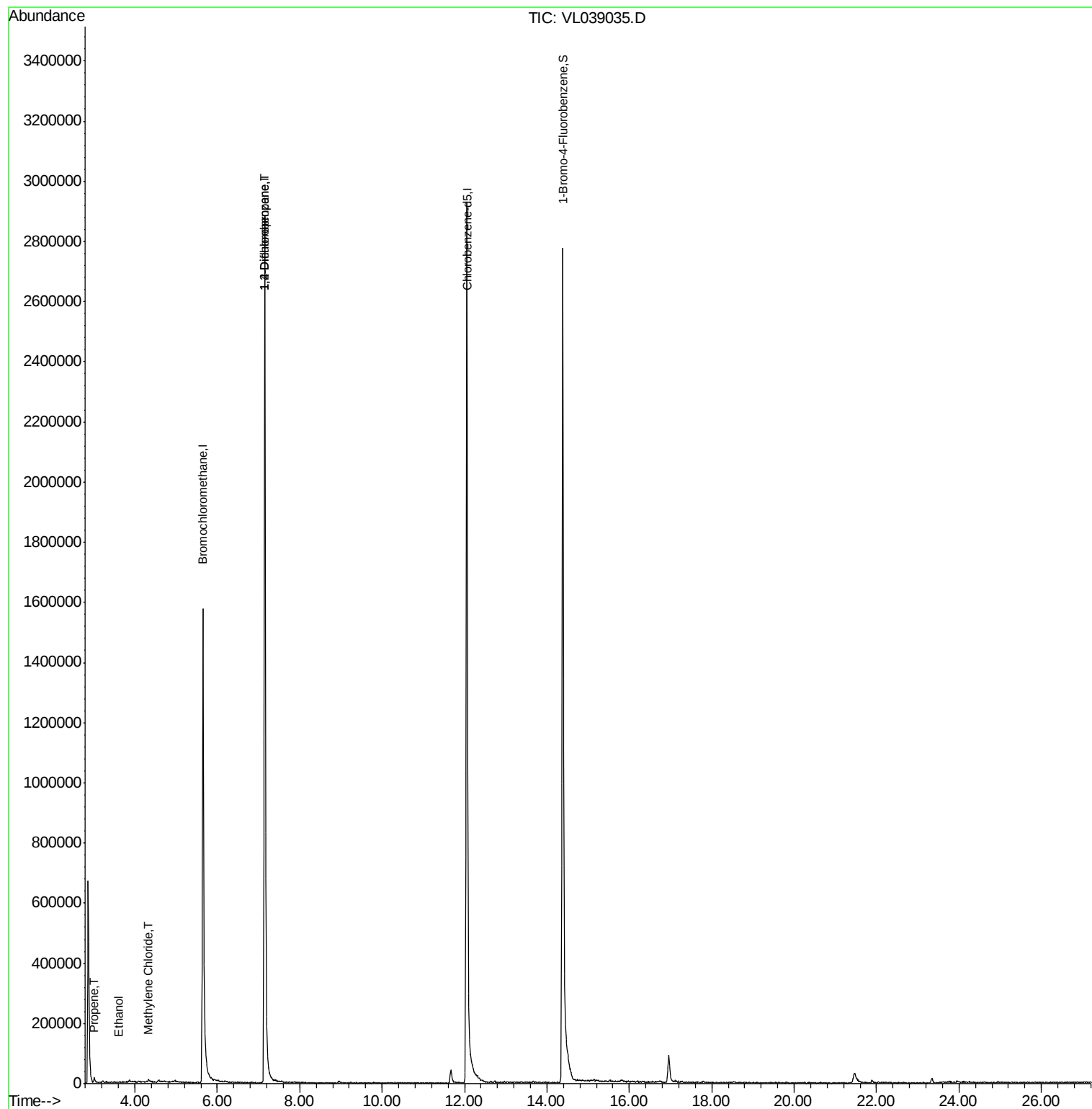
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3510	0.066	ppbv #	13
13) Ethanol	3.60	45	134	0.036	ppbv #	31
20) Methylene Chloride	4.33	84	2960	0.085	ppbv #	54
39) 1,2-Dichloropropane	7.15	63	634420	7.517	ppbv #	25

(#) = 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. 0.00

Lab File: ClientSampleId: VL0513ABL01

Acq: 13 May 2022 13:00

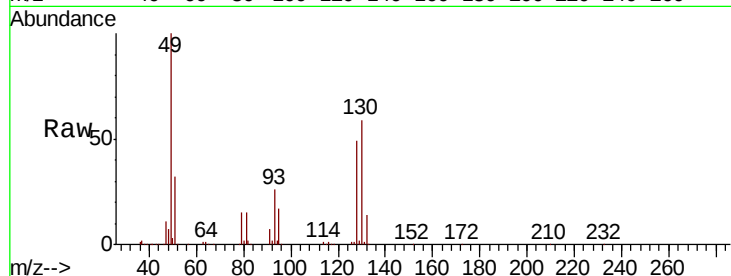
Tot Ion: 49 Resp: 974801

Ion Ratio Lower Upper

49 100

128 49.7 23.3 69.8

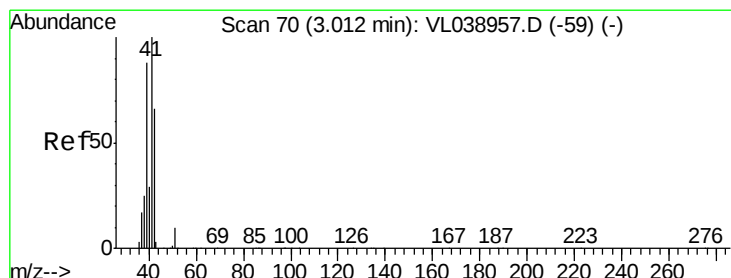
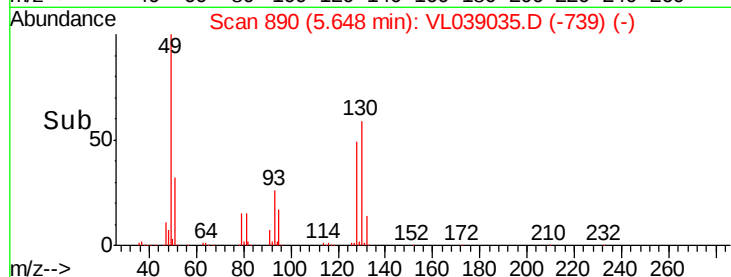
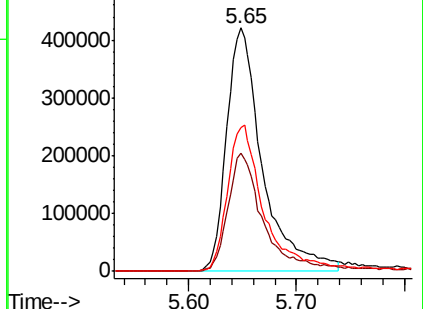
130 63.7 29.8 89.3



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: 0.066 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL039035.D

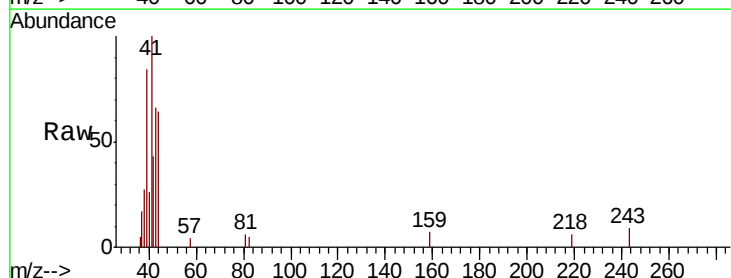
Acq: 13 May 2022 13:06

Tgt Ion: 41 Resp: 3510

Ion Ratio Lower Upper

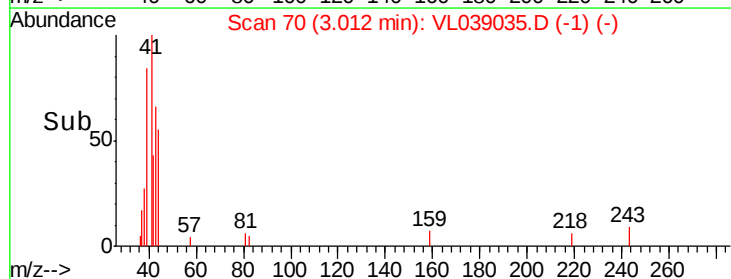
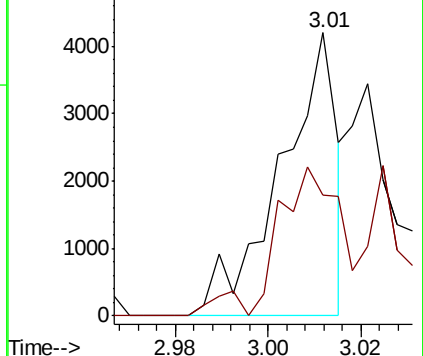
41 100

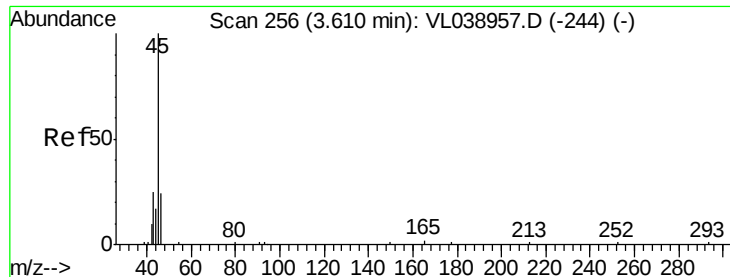
42 0.0 58.3 87.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

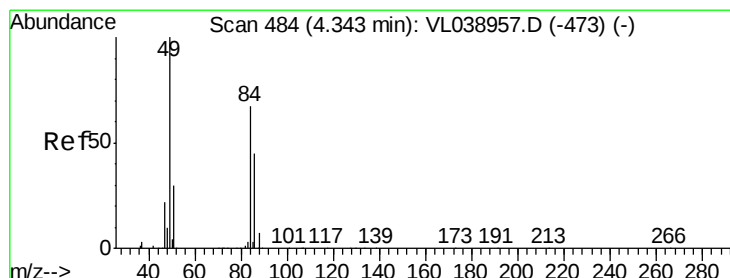
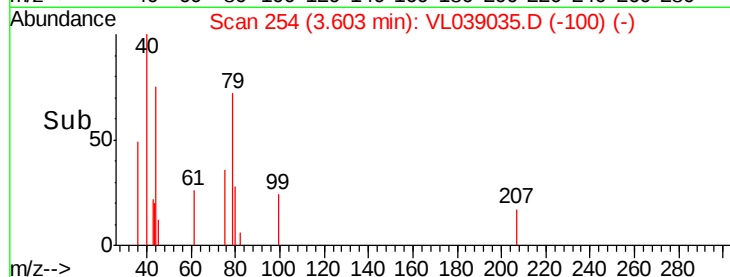
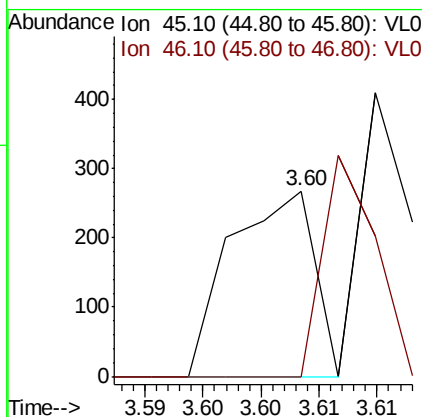
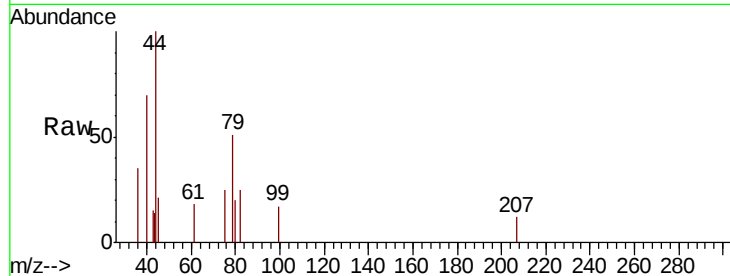
Ion 42.10 (41.80 to 42.80): VL0





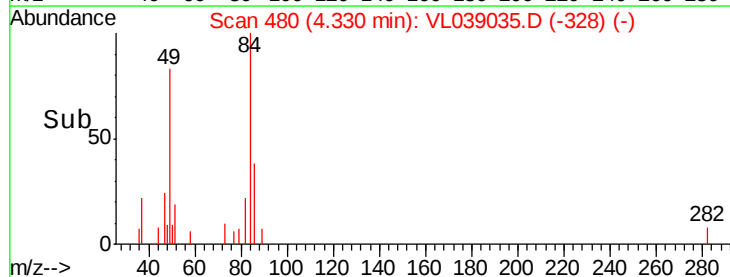
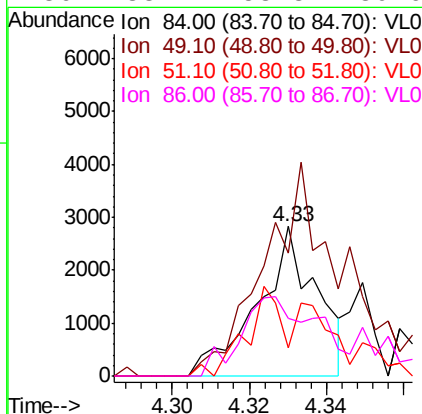
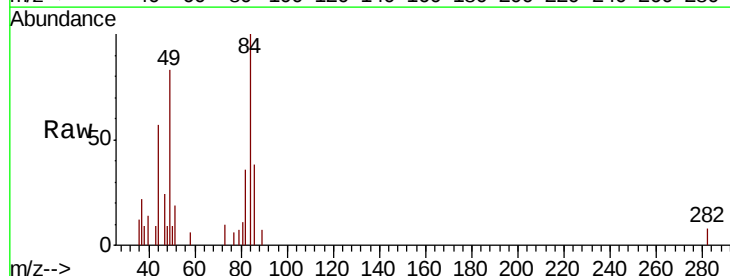
#13
 Ethanol
 Concen: 0.036 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0513ABL01
 Acq: 13 May 2022 13:00

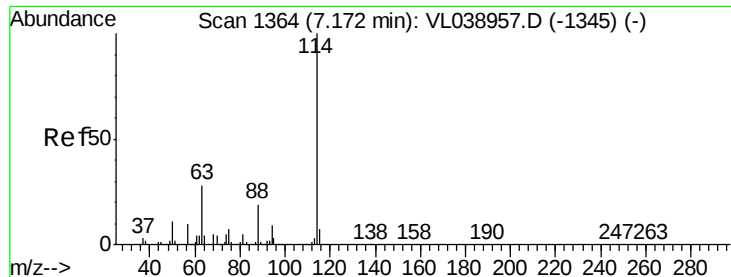
Tot Ion: 45 Resp: 134
 Ion Ratio Lower Upper
 45 100
 46 0.0 18.0 72.2#



#20
 Methylene Chloride
 Concen: 0.085 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: VL039035.D
 Acq: 13 May 2022 13:06

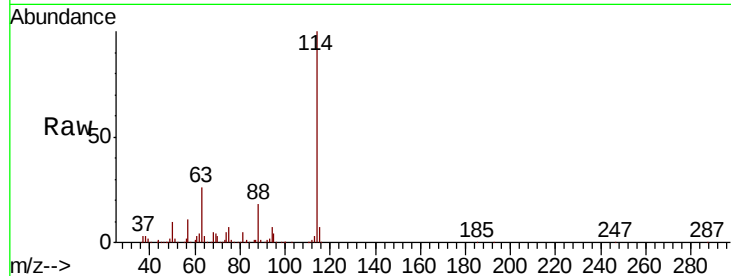
Tgt Ion: 84 Resp: 2960
 Ion Ratio Lower Upper
 84 100
 49 82.6 119.9 179.9#
 51 18.7 35.7 53.5#
 86 38.4 53.8 80.6#



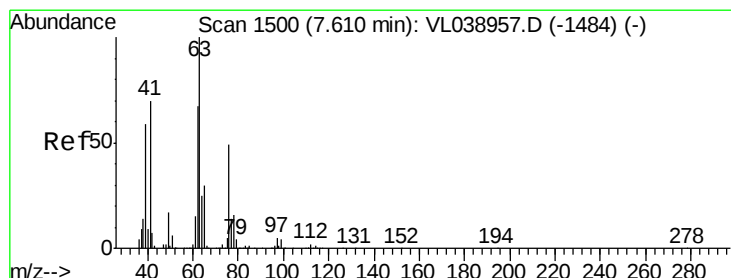
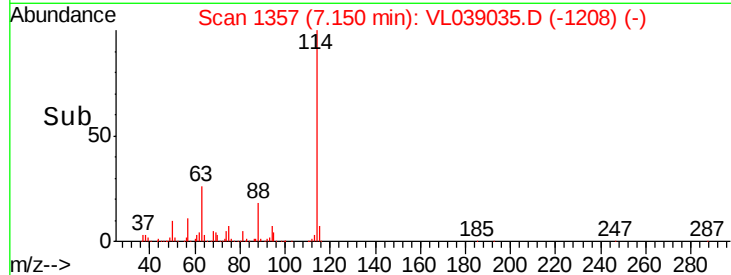
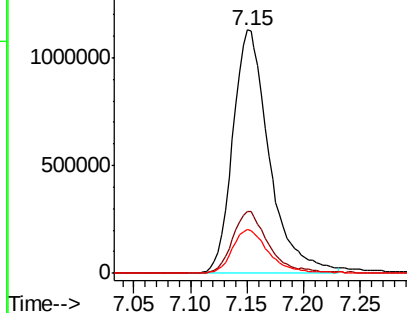


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0513ABL01
 Acq: 13 May 2022 13:00

Tot Ion: 114 Resp: 2534655
 Ion Ratio Lower Upper
 114 100
 63 25.6 22.6 33.8
 88 18.5 15.4 23.0

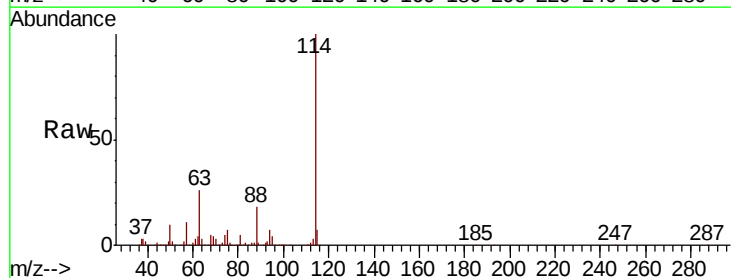


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

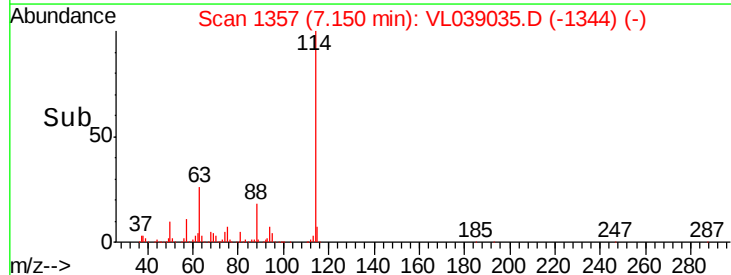
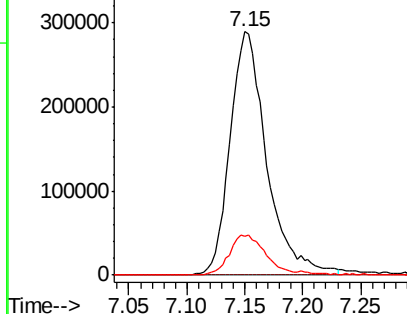


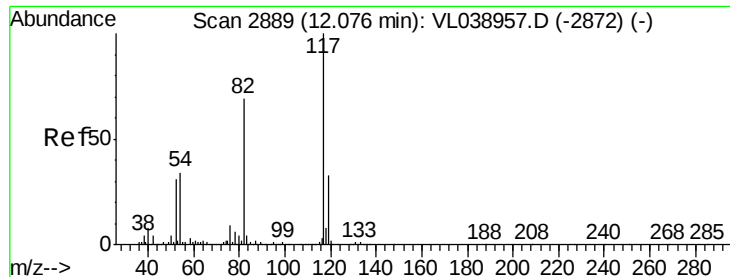
#39
 1,2-Dichloropropane
 Concen: 7.517 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.46 min
 Lab File: VL039035.D
 Acq: 13 May 2022 13:06

Tgt Ion: 63 Resp: 634420
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.9 83.9#
 62 15.8 53.8 80.6#



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

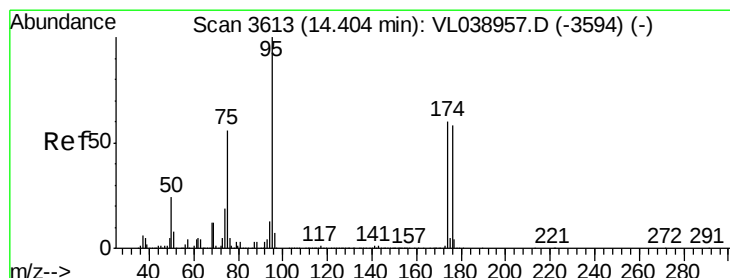
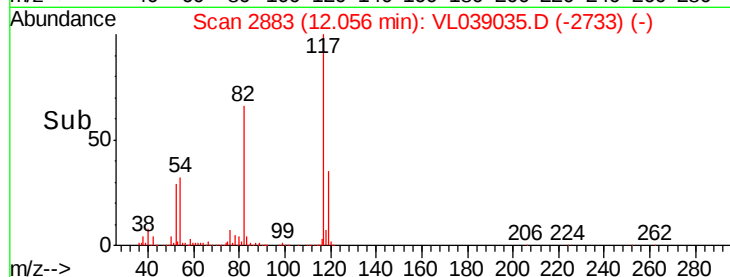
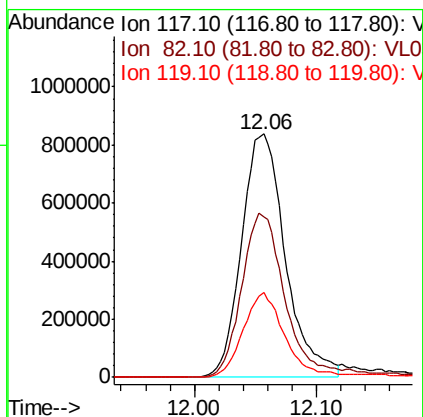
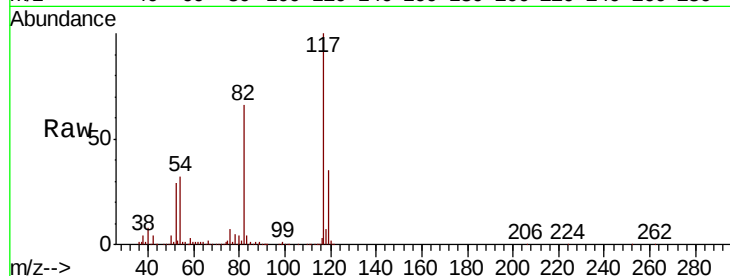




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0513ABL01
Acq: 13 May 2022 13:00

Tot Ion:117 Resp: 2081589

Ion	Ratio	Lower	Upper
117	100		
82	71.0	57.0	85.6
119	34.3	27.2	40.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.293 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.02 min
Lab File: VL039035.D
Acq: 13 May 2022 13:06

Tgt Ion: 95 Resp: 1531999

Ion	Ratio	Lower	Upper
95	100		
174	69.2	50.8	76.2
175	4.8	3.8	5.6

