

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038112.D
 Acq On : 23 Nov 2021 23:11
 Operator : SY/AP
 Sample : M4805-12DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-CURVY-BRIDEDL2

Quant Time: Nov 26 04:17:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	860764	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2435271	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2099307	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1667285	11.01	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.10%

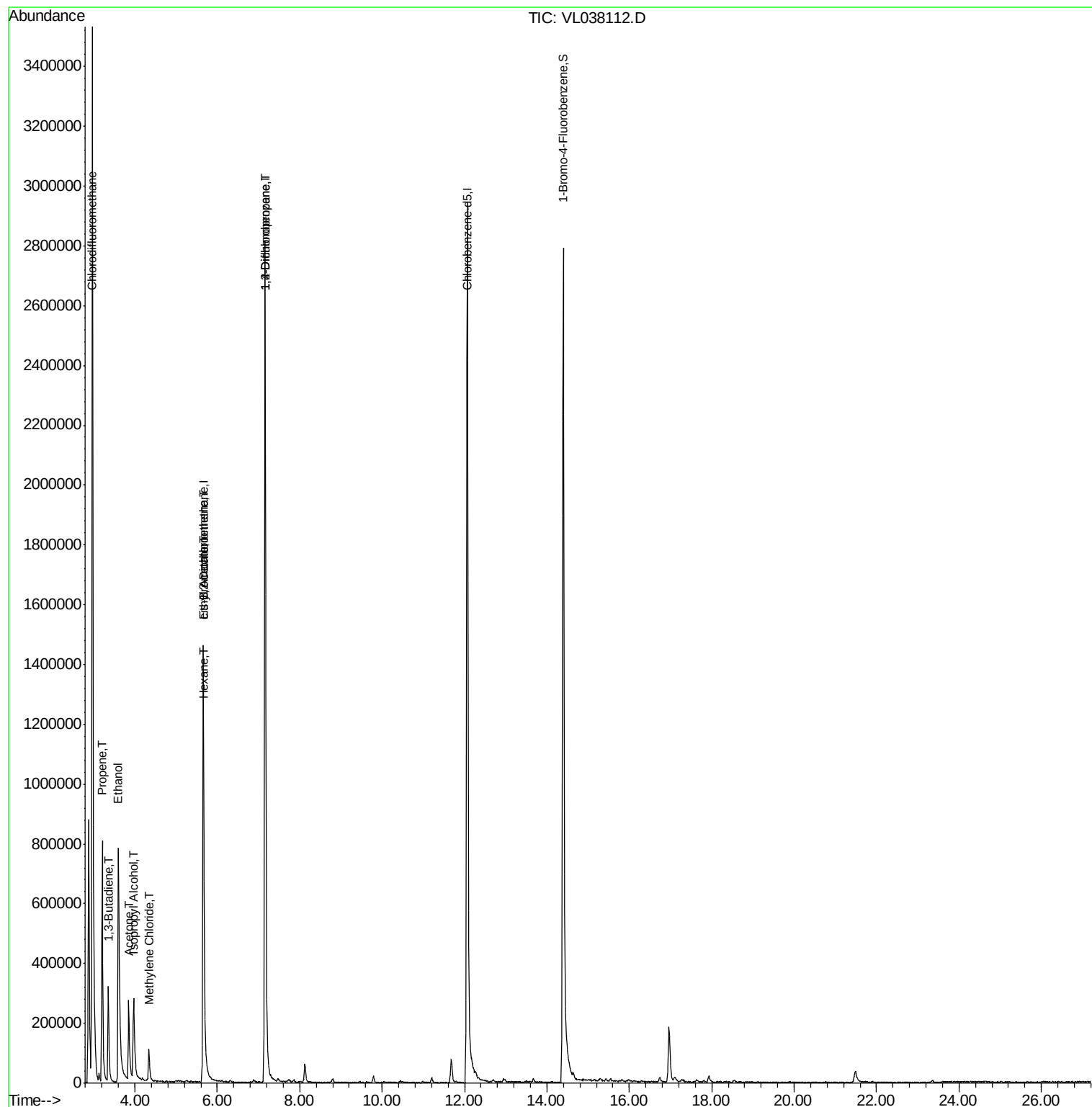
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.96	51	3019011	16.701	ppbv #	60
9) Propene	3.20	41	298881	4.490	ppbv	98
13) Ethanol	3.60	45	1261268	196.050	ppbv	89
15) Acetone	3.85	43	333773	4.472	ppbv	98
16) 1,3-Butadiene	3.35	39	45984	0.790	ppbv #	11
19) Isopropyl Alcohol	3.97	45	417623	7.745	ppbv #	97
20) Methylene Chloride	4.34	84	45119	1.079	ppbv	97
25) Ethyl Acetate	5.67	43	36472	0.147	ppbv #	78
26) Hexane	5.68	57	25697	0.215	ppbv	82
31) cis-1,2-Dichloroethene	5.67	61	4343	0.038	ppbv #	24
39) 1,2-Dichloropropane	7.16	63	619252	6.645	ppbv #	27

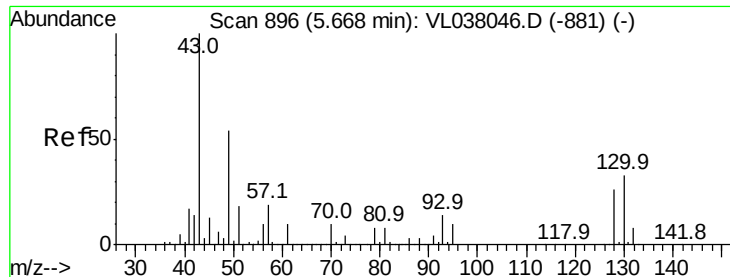
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112321\
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-CURVY-BRIDEDL2

Acq: 23 Nov 2021 23:11

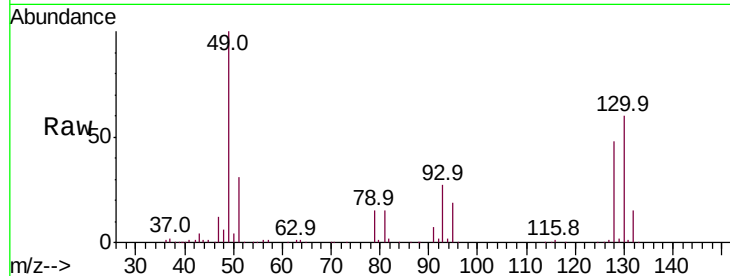
Tot Ion: 49 Resp: 860764

Ion Ratio Lower Upper

49 100

128 49.1 26.5 79.5

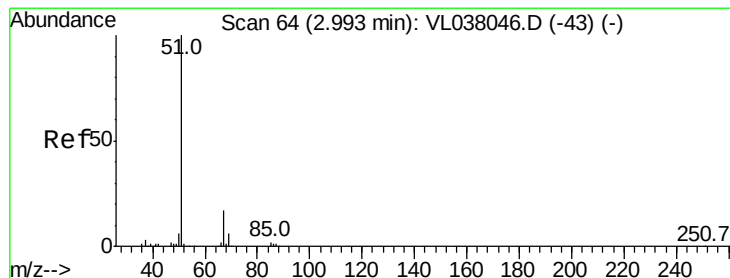
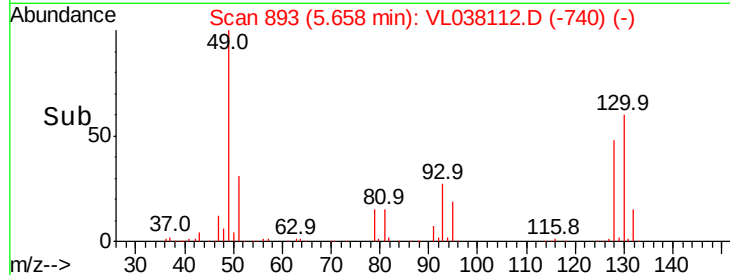
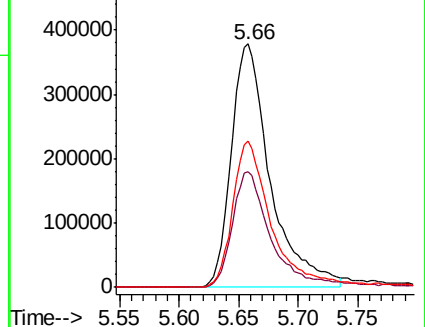
130 61.5 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 16.701 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.03 min

Lab File: VL038112.D

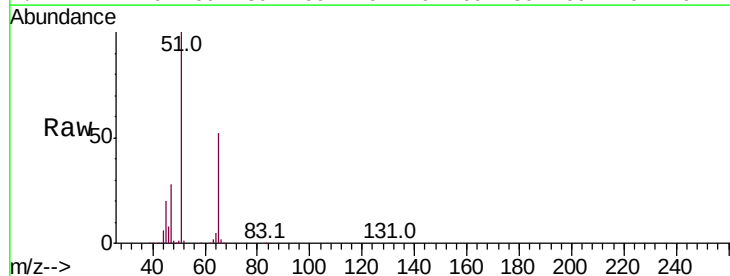
Acq: 23 Nov 2021 23:11

Tgt Ion: 51 Resp: 3019011

Ion Ratio Lower Upper

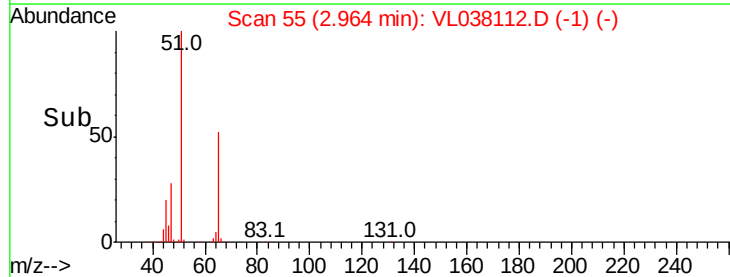
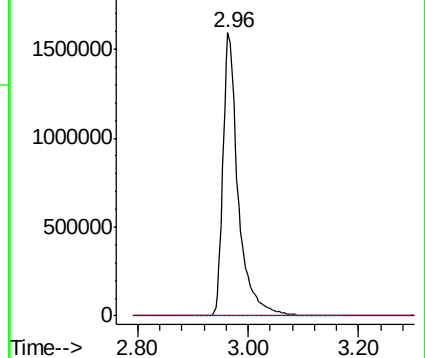
51 100

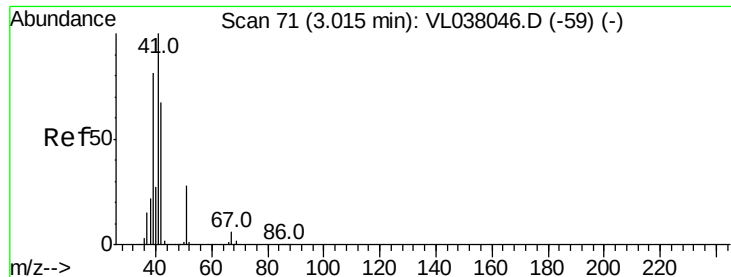
67 0.0 13.8 20.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 4.490 ppbv

RT: 3.20 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

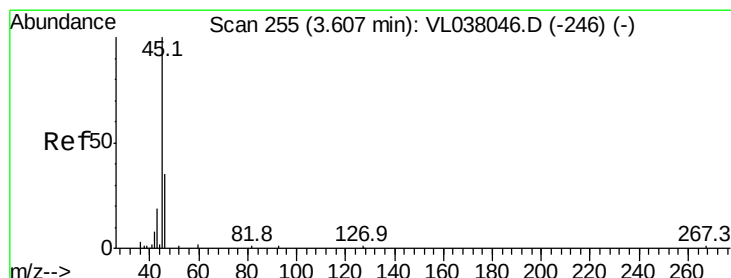
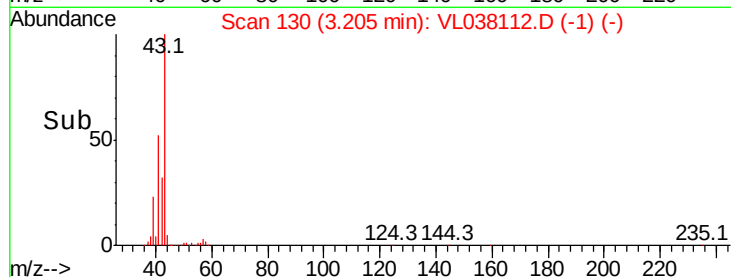
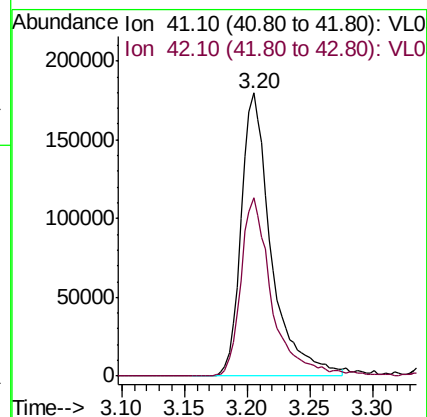
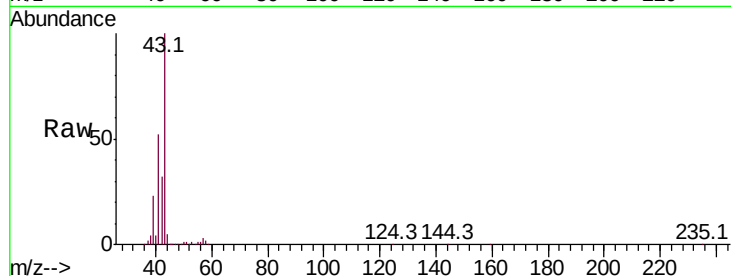
Acq: 23 Nov 2021 23:11

Tot Ion: 41 Resp: 298881

Ion Ratio Lower Upper

41 100

42 65.5 53.8 80.8



#13

Ethanol

Concen: 196.050 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL038112.D

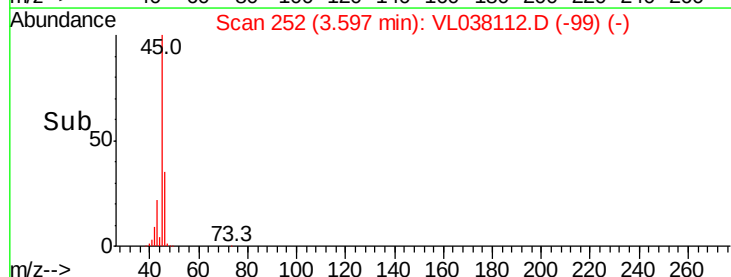
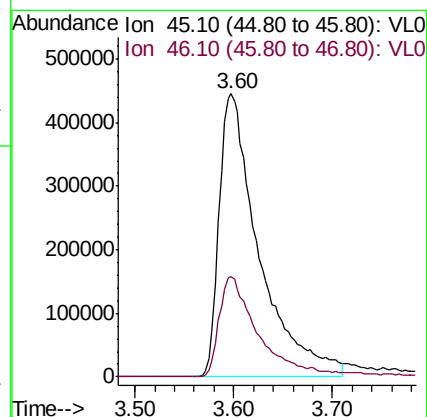
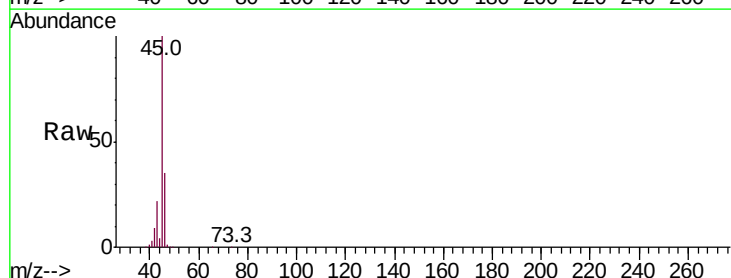
Acq: 23 Nov 2021 23:11

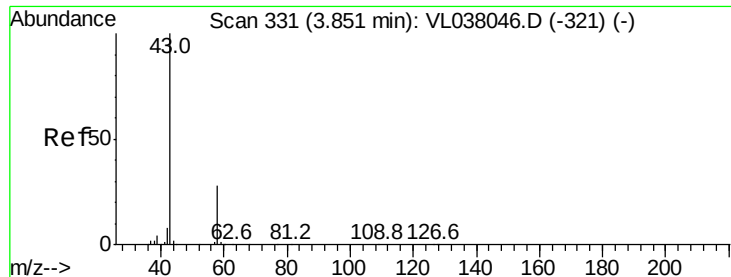
Tgt Ion: 45 Resp: 1261268

Ion Ratio Lower Upper

45 100

46 37.0 17.6 70.2





#15

Acetone

Concen: 4.472 ppbv

RT: 3.85 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-CURVY-BRIDE DL2

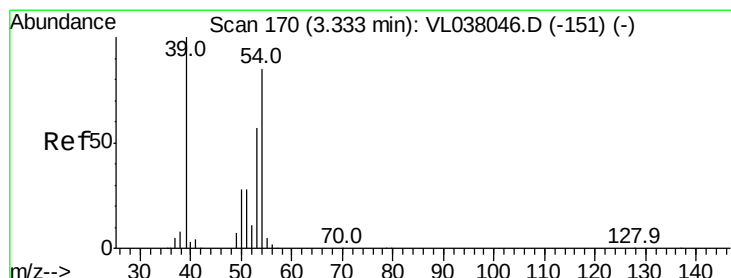
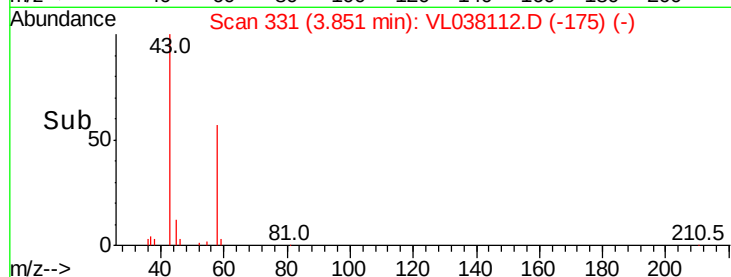
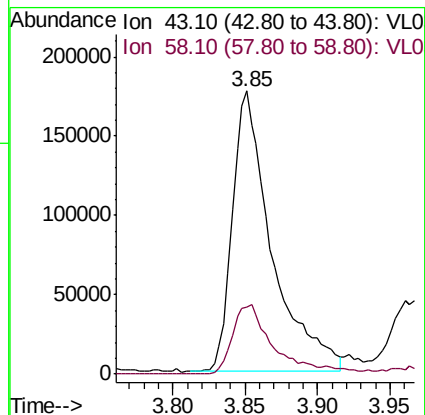
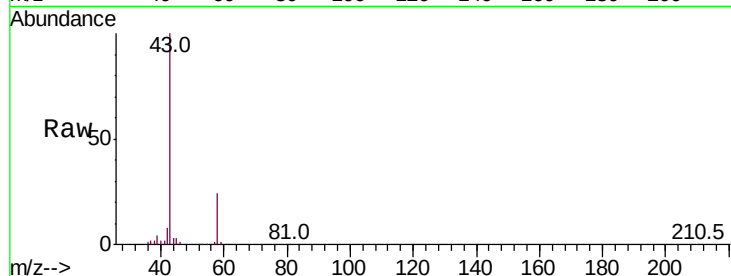
Acq: 23 Nov 2021 23:11

Tot Ion: 43 Resp: 333773

Ion Ratio Lower Upper

43 100

58 27.0 22.4 33.6



#16

1,3-Butadiene

Concen: 0.790 ppbv

RT: 3.35 min Scan# 176

Delta R.T. 0.02 min

Lab File: VL038112.D

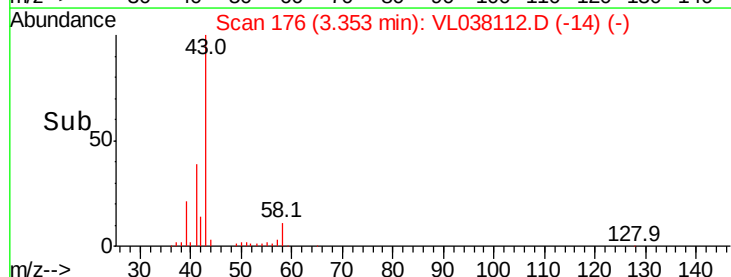
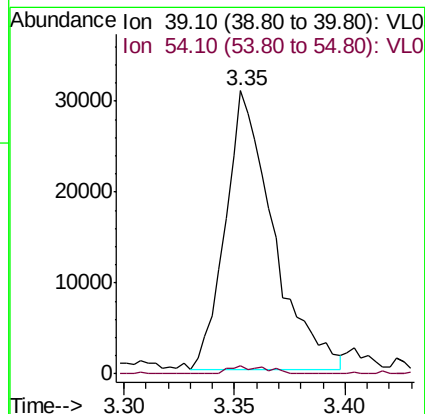
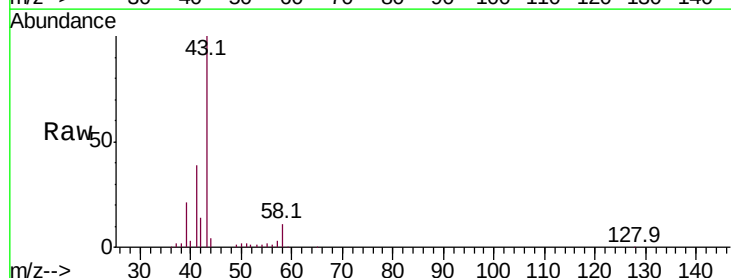
Acq: 23 Nov 2021 23:11

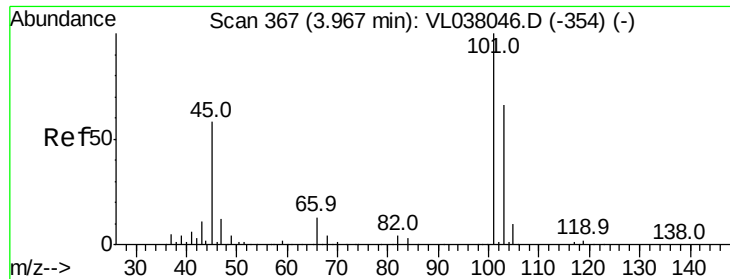
Tgt Ion: 39 Resp: 45984

Ion Ratio Lower Upper

39 100

54 2.1 64.4 96.6#





#19

Isopropyl Alcohol

Concen: 7.745 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

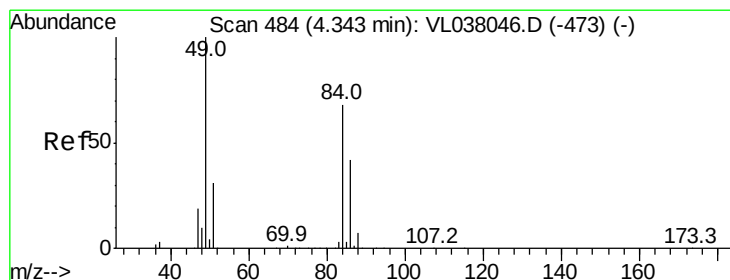
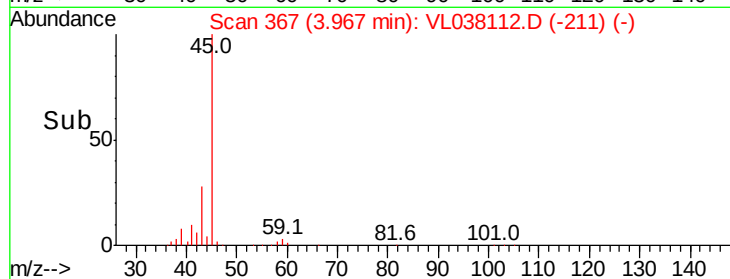
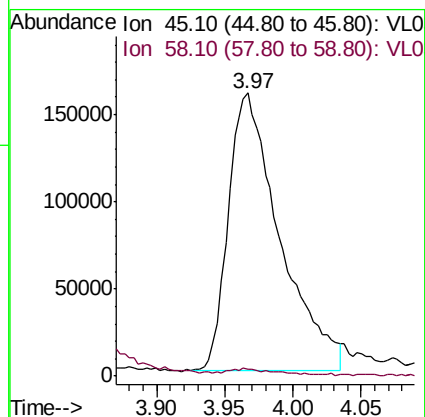
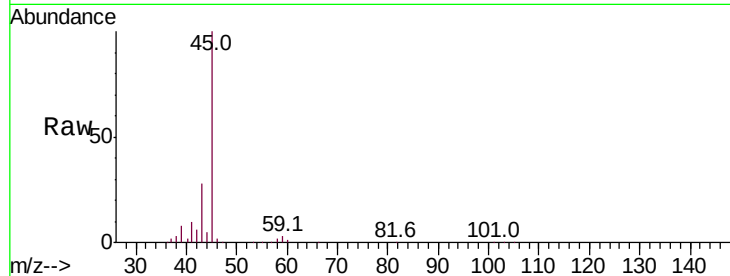
Acq: 23 Nov 2021 23:11

Tot Ion: 45 Resp: 417623

Ion Ratio Lower Upper

45 100

58 2.9 1.4 2.0#



#20

Methylene Chloride

Concen: 1.079 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038112.D

Acq: 23 Nov 2021 23:11

Tgt Ion: 84 Resp: 45119

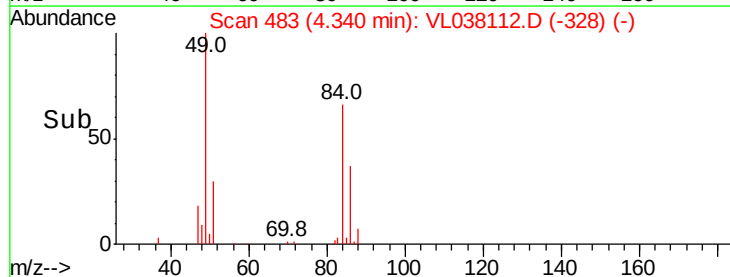
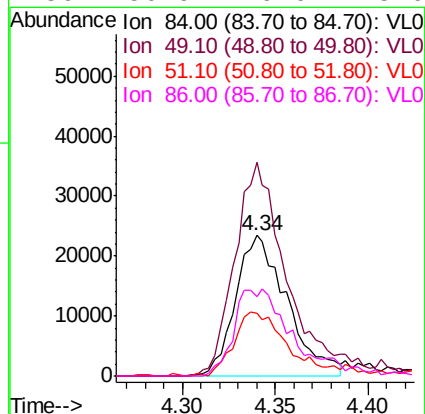
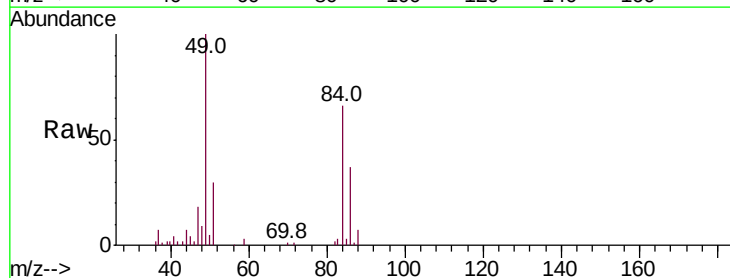
Ion Ratio Lower Upper

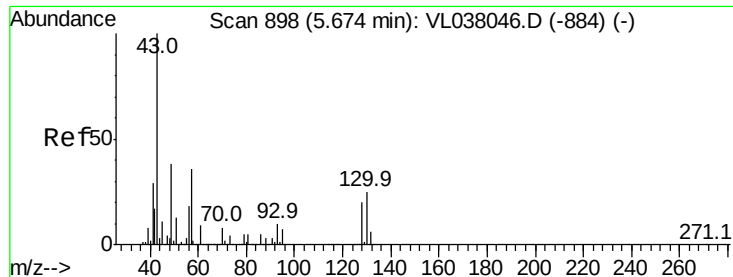
84 100

49 151.2 118.2 177.2

51 44.9 36.8 55.2

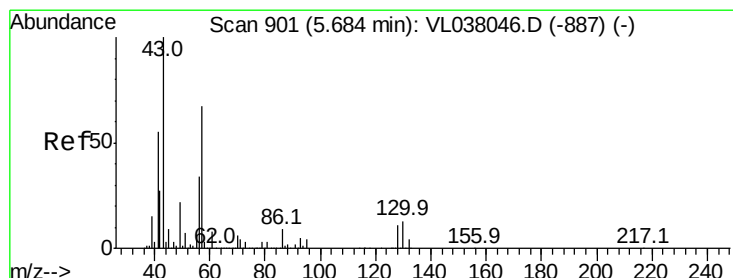
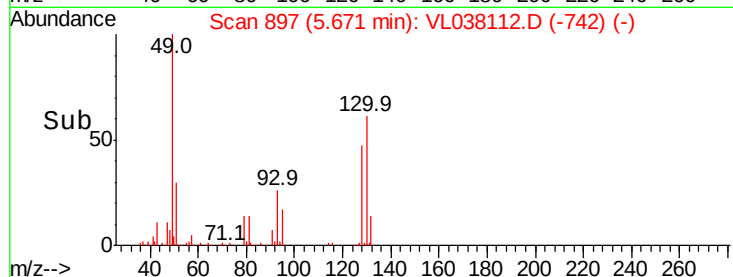
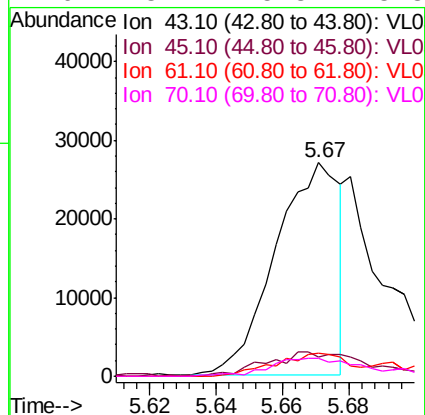
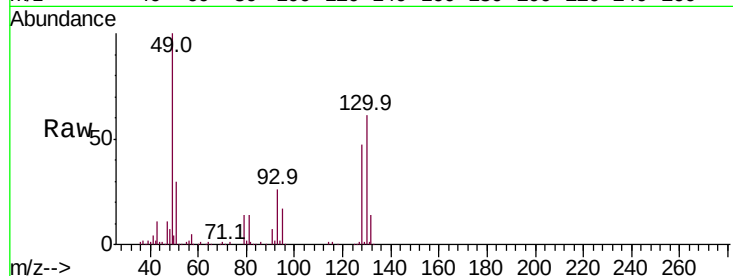
86 56.9 49.0 73.6





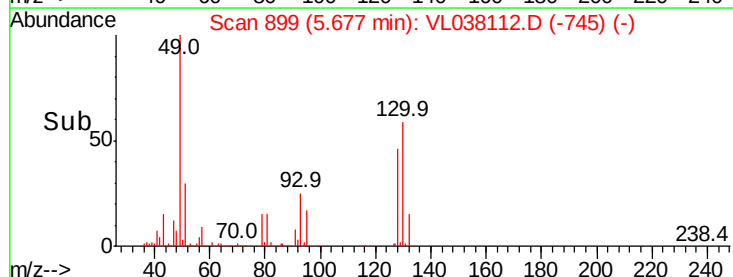
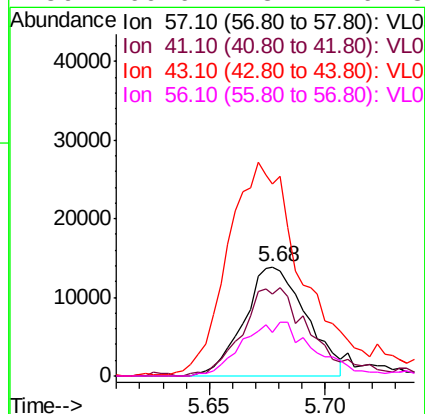
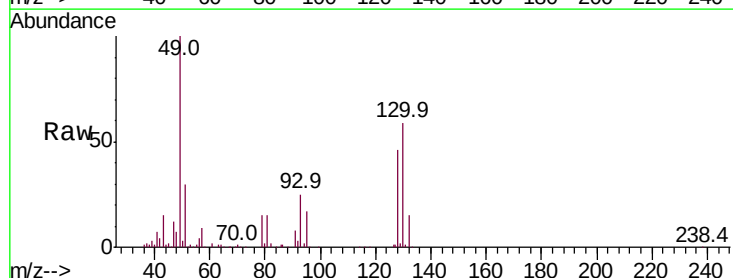
#25
Ethyl Acetate
Concen: 0.147 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Nov 2021 23:11

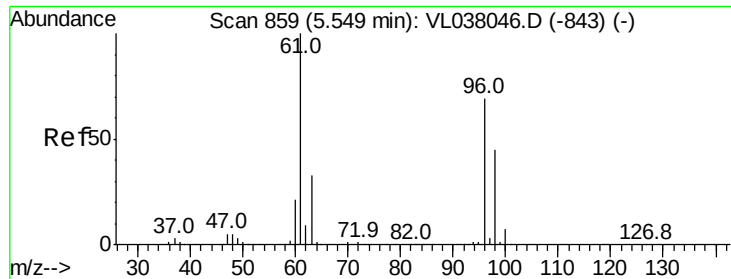
Tot Ion:	43	Resp:	36472
Ion	Ratio	Lower	Upper
43	100		
45	18.7	7.9	11.9#
61	17.7	7.8	11.6#
70	13.7	5.8	8.8#



#26
Hexane
Concen: 0.215 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL038112.D
Acq: 23 Nov 2021 23:11

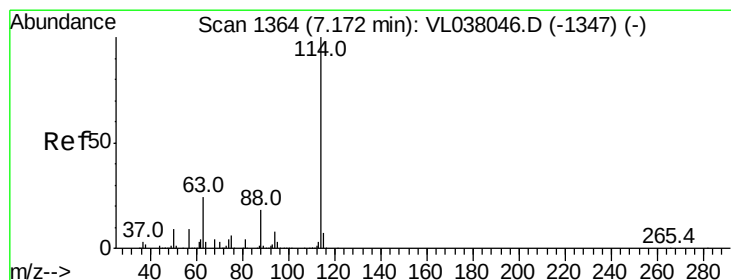
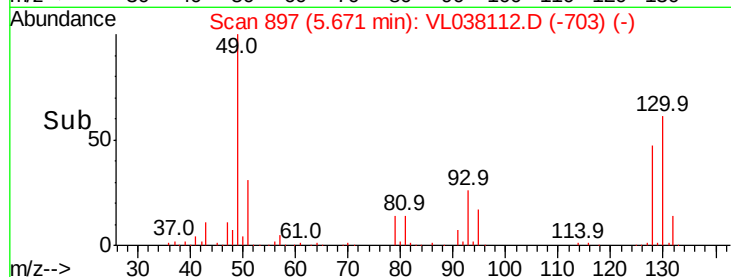
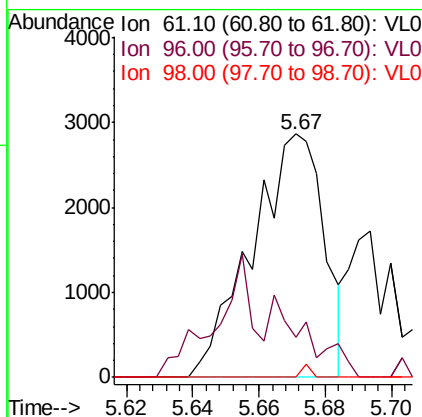
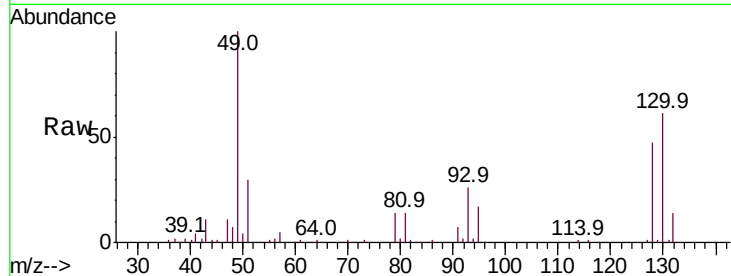
Tgt Ion:	57	Resp:	25697
Ion	Ratio	Lower	Upper
57	100		
41	96.0	71.4	107.2
43	258.9	174.6	261.8
56	60.6	43.2	64.8





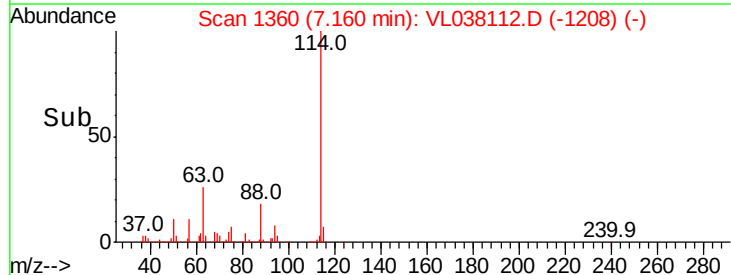
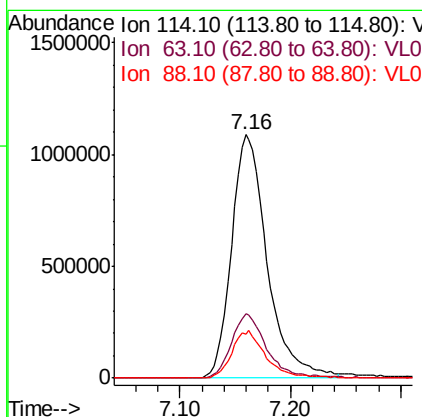
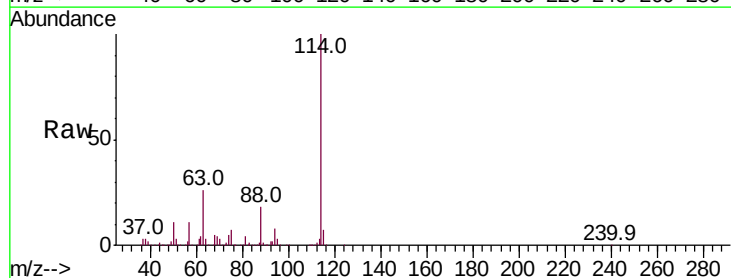
#31
 cis-1,2-Dichloroethene
 Concen: 0.038 ppbv
 RT: 5.67
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 IA-CURVY-BRIDE DL2
 Acq: 23 Nov 2021 23:11

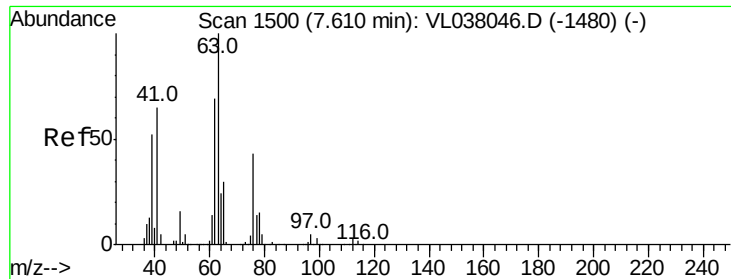
Tot Ion: 61 Resp: 4343
 Ion Ratio Lower Upper
 61 100
 96 2.8 55.4 83.2#
 98 0.0 35.7 53.5#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VL038112.D
 Acq: 23 Nov 2021 23:11

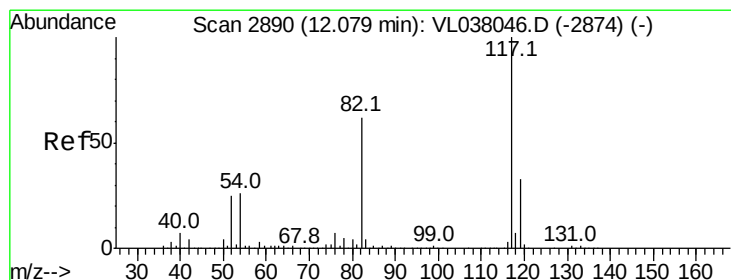
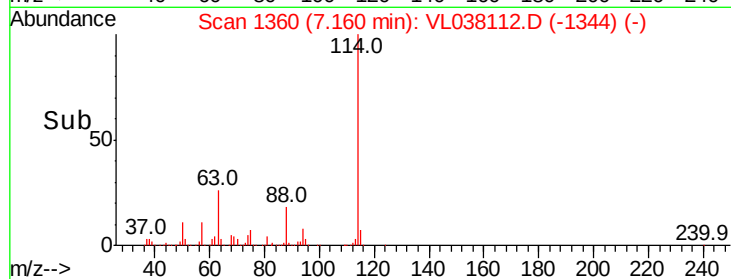
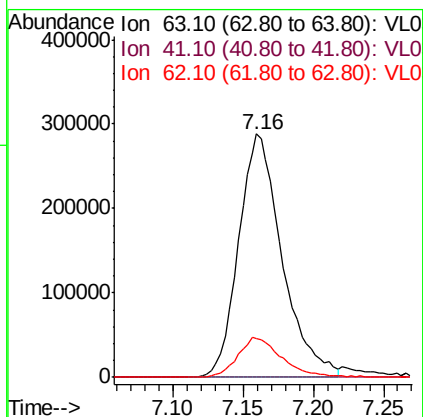
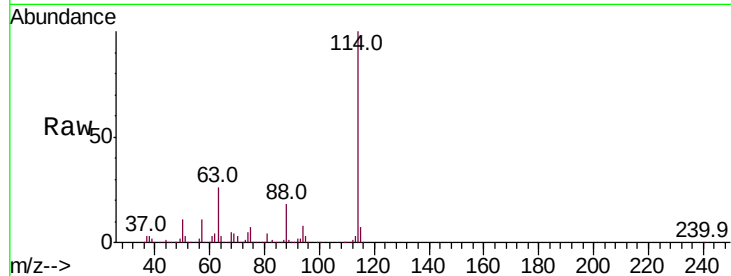
Tgt Ion: 114 Resp: 2435271
 Ion Ratio Lower Upper
 114 100
 63 26.7 19.7 29.5
 88 19.0 14.4 21.6





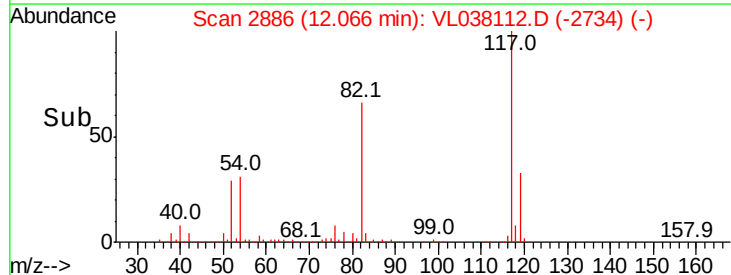
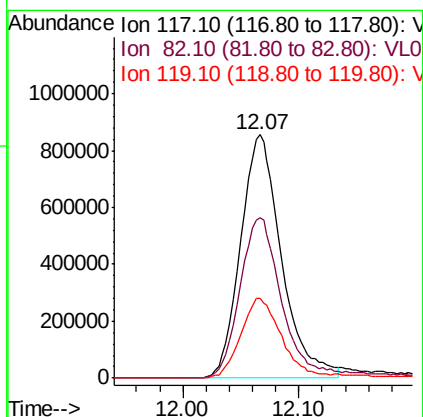
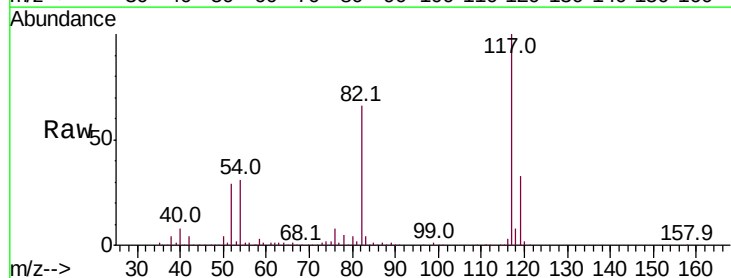
#39
 1,2-Dichloropropane
 Concen: 6.645 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: IA-CURVY-BRIDE DL2
 Acq: 23 Nov 2021 23:11

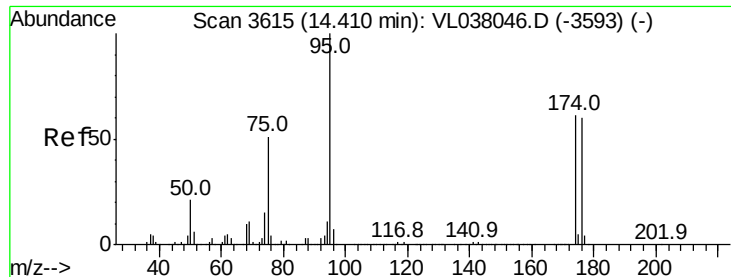
Tot Ion: 63 Resp: 619252
 Ion Ratio Lower Upper
 63 100
 41 0.1 52.3 78.5#
 62 16.1 55.1 82.7#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2886
 Delta R.T.: -0.01 min
 Lab File: VL038112.D
 Acq: 23 Nov 2021 23:11

Tgt Ion: 117 Resp: 2099307
 Ion Ratio Lower Upper
 117 100
 82 71.4 52.8 79.2
 119 34.7 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 11.011 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 23:11

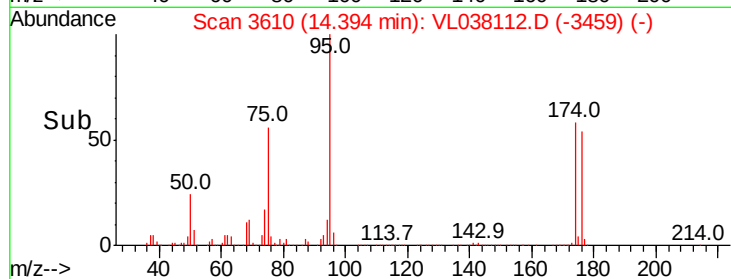
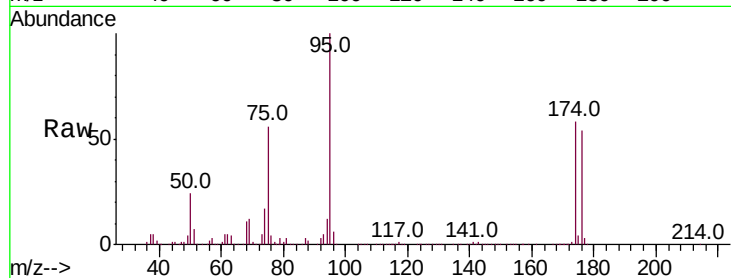
Tot Ion: 95 Resp: 1667285

Ion Ratio Lower Upper

95 100

174 61.8 53.1 79.7

175 4.2 4.0 6.0



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

