

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039387.D
 Acq On : 28 Jun 2022 10:30
 Operator : SY/AP
 Sample : N3508-04DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7-20220624DL

Quant Time: Jun 29 06:03:46 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1038125	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2889655	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2463922	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1875111	9.21	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.10%

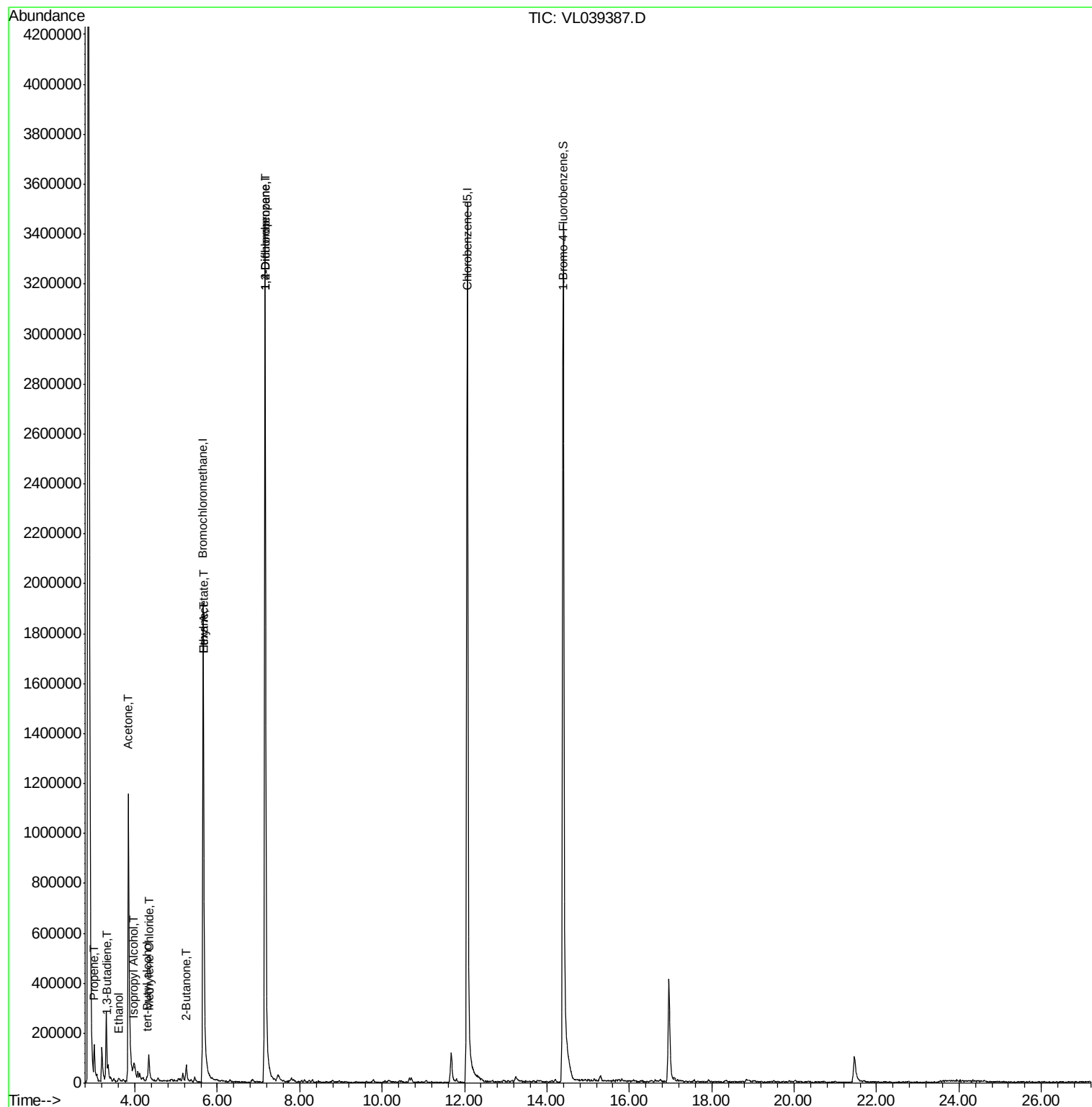
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	43610	0.757	ppbv #	65
13) Ethanol	3.60	45	7093	2.258	ppbv #	100
15) Acetone	3.84	43	1525656	14.108	ppbv	99
16) 1,3-Butadiene	3.33	39	6904	0.119	ppbv #	8
17) tert-Butyl alcohol	4.29	59	4631	0.055	ppbv #	60
19) Isopropyl Alcohol	3.97	45	53799	1.061	ppbv #	93
20) Methylene Chloride	4.33	84	33046	0.725	ppbv	91
25) Ethyl Acetate	5.67	43	33429	0.137	ppbv #	79
26) Hexane	5.67	57	45816	0.428	ppbv #	35
34) 2-Butanone	5.24	43	40192	0.256	ppbv #	53
39) 1,2-Dichloropropane	7.16	63	699357	7.495	ppbv #	25

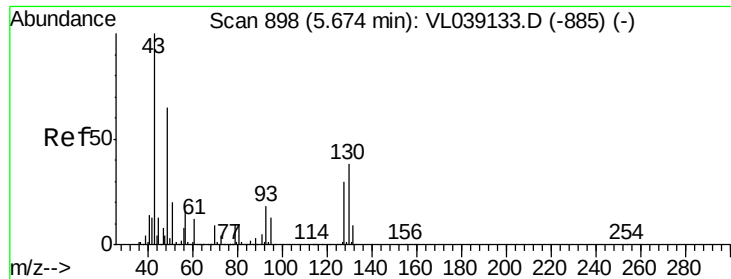
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SV-7-20220624DL

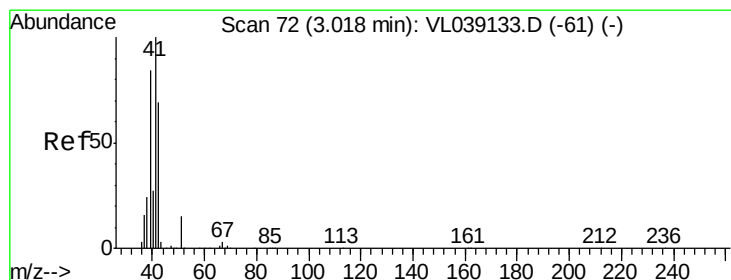
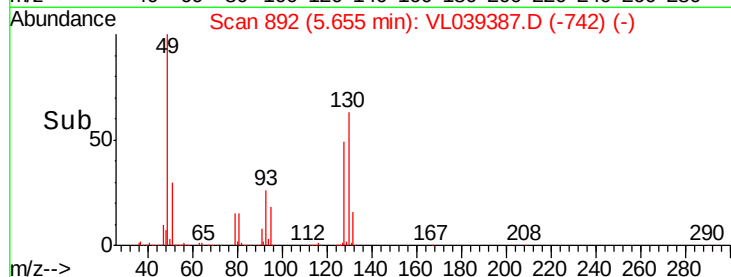
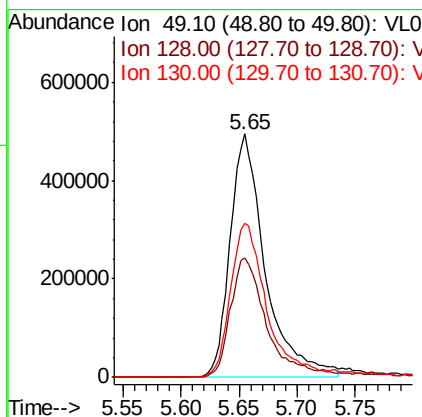
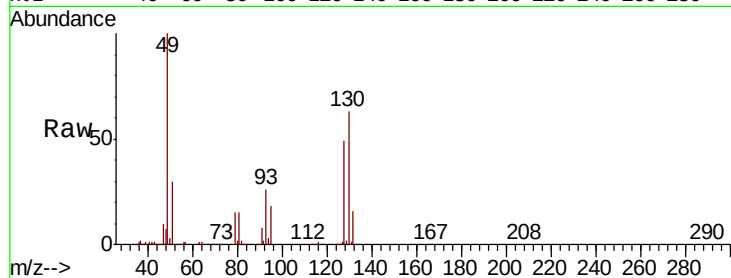
Quant Time: Jun 29 06:03:46 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
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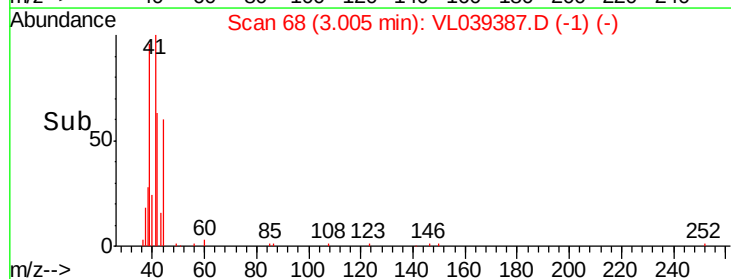
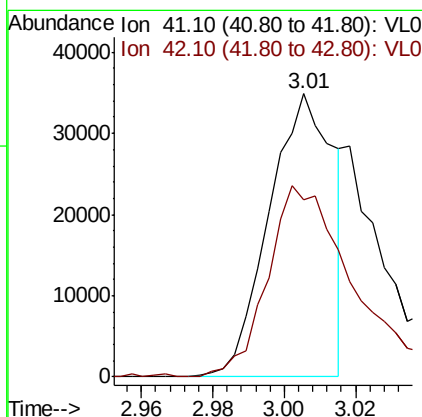
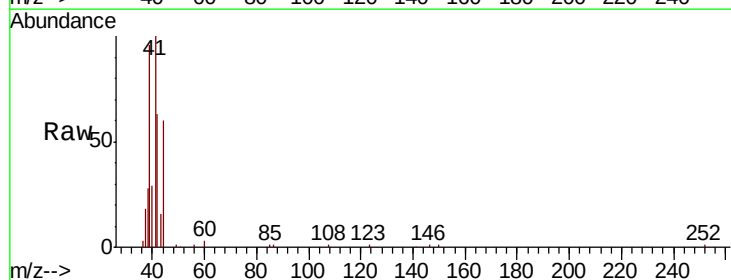
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 28 Jun 2022 10:30

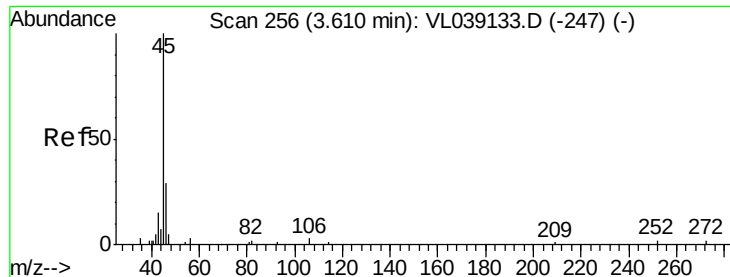
Tot Ion: 49 Resp: 1038125
 Ion Ratio Lower Upper
 49 100
 128 53.8 24.7 74.1
 130 70.4 31.4 94.0



#9
 Propene
 Concen: 0.757 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: VL039387.D
 Acq: 28 Jun 2022 10:30

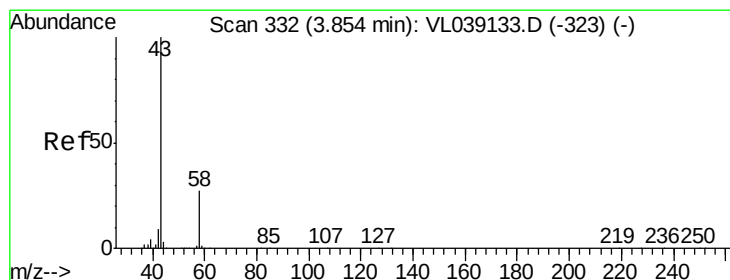
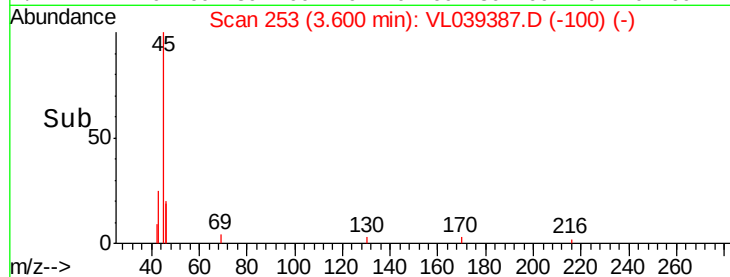
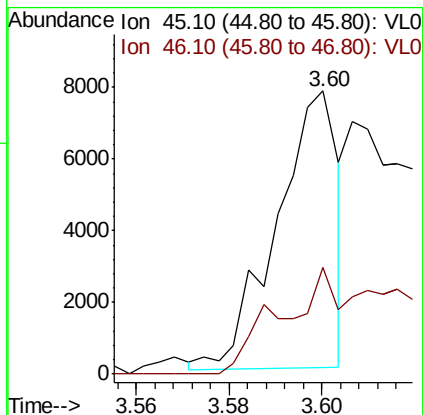
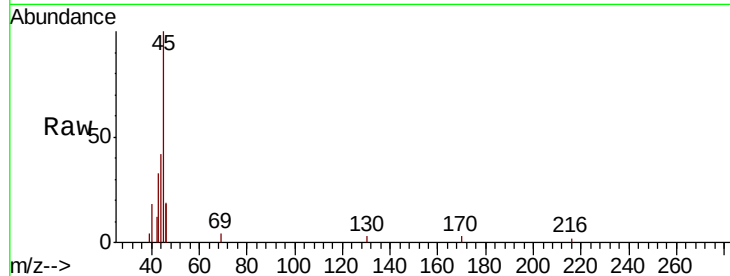
Tgt Ion: 41 Resp: 43610
 Ion Ratio Lower Upper
 41 100
 42 98.2 55.4 83.2#





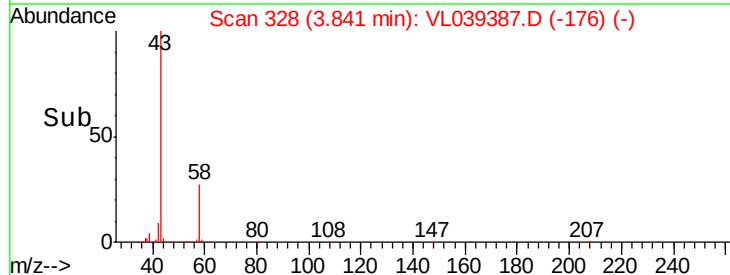
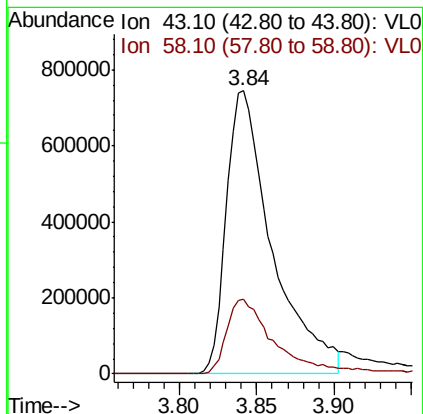
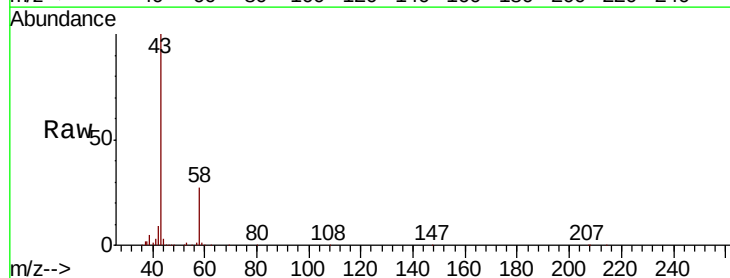
#13
Ethanol
Concen: 2.258 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-7-20220624DL
Acq: 28 Jun 2022 10:30

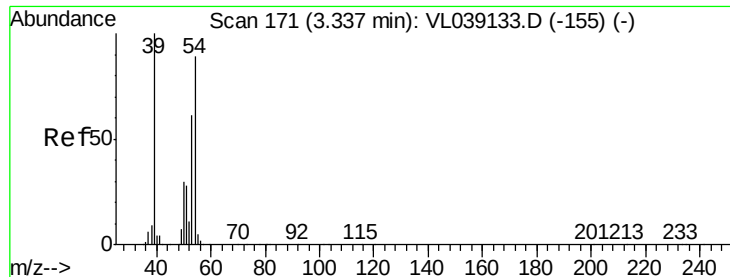
Tot Ion: 45 Resp: 7093
Ion Ratio Lower Upper
45 100
46 84.4 0.0 0.0#



#15
Acetone
Concen: 14.108 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL039387.D
Acq: 28 Jun 2022 10:30

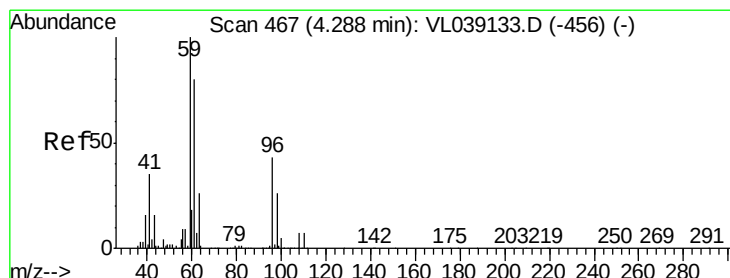
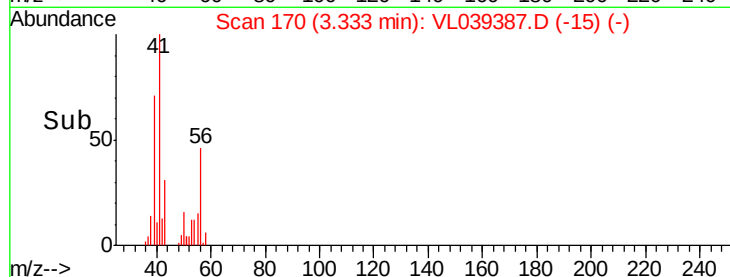
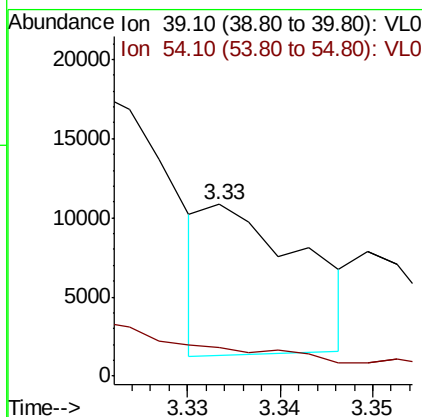
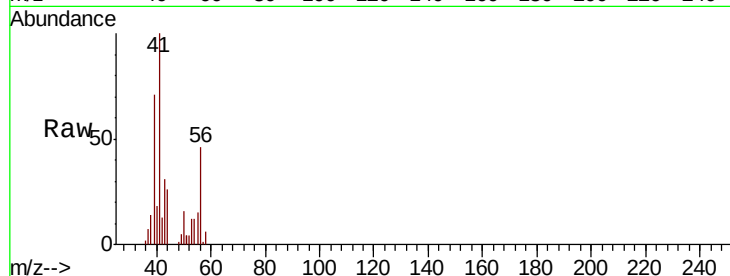
Tgt Ion: 43 Resp: 1525656
Ion Ratio Lower Upper
43 100
58 28.7 22.5 33.7





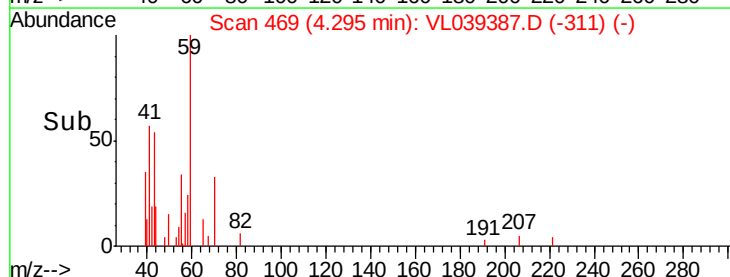
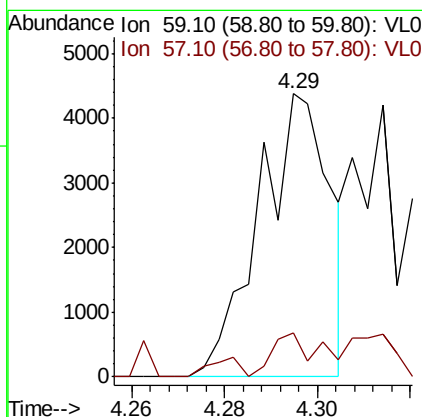
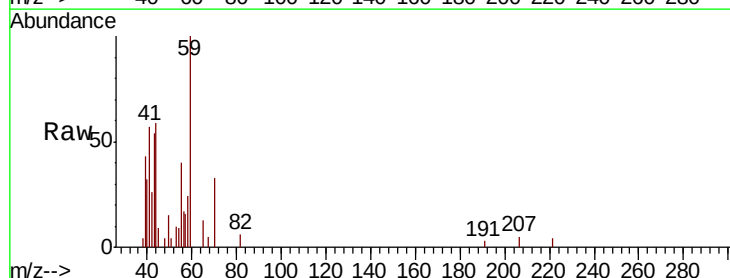
#16
 1,3-Butadiene
 Concen: 0.119 ppbv
 RT: 3.33
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-7-20220624DL
 Acq: 28 Jun 2022 10:30

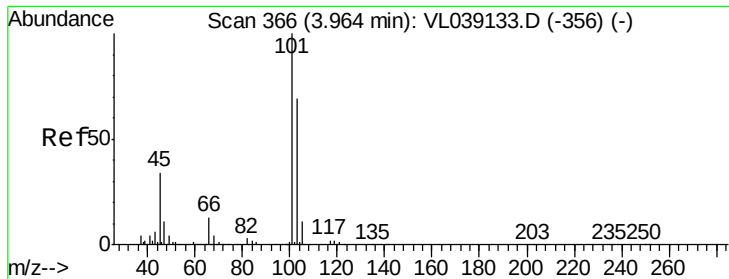
Tot Ion: 39 Resp: 6904
 Ion Ratio Lower Upper
 39 100
 54 0.0 65.8 98.6#



#17
 tert-Butyl alcohol
 Concen: 0.055 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL039387.D
 Acq: 28 Jun 2022 10:30

Tgt Ion: 59 Resp: 4631
 Ion Ratio Lower Upper
 59 100
 57 26.6 9.1 13.7#





#19

Isopropyl Alcohol

Concen: 1.061 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

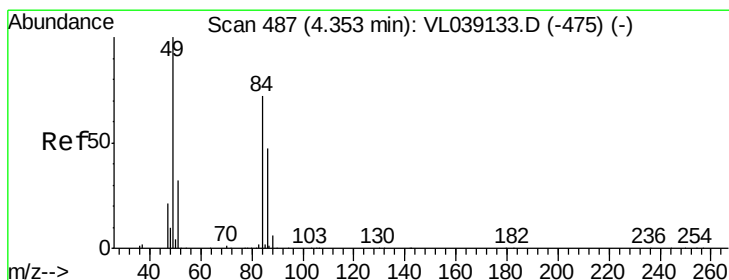
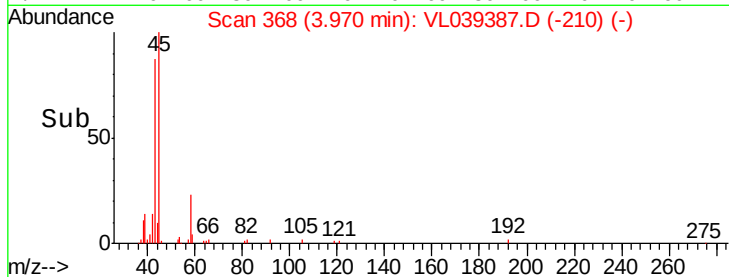
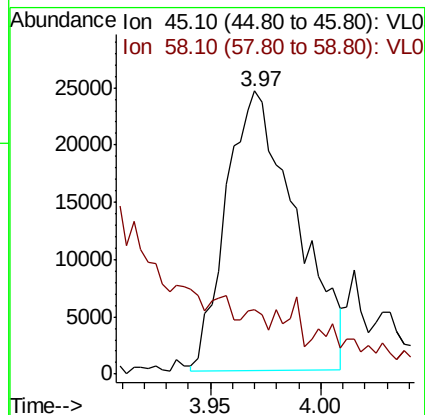
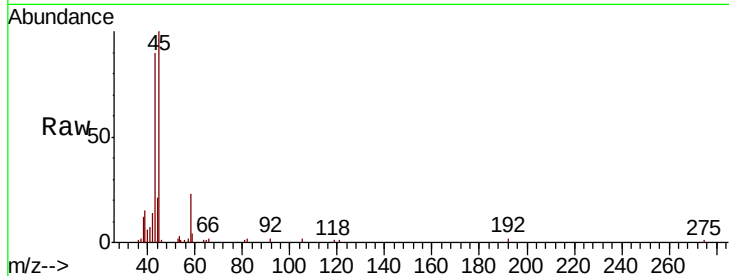
Acq: 28 Jun 2022 10:30 SV-7-20220624DL

Tot Ion: 45 Resp: 53799

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#



#20

Methylene Chloride

Concen: 0.725 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL039387.D

Acq: 28 Jun 2022 10:30

Tgt Ion: 84 Resp: 33046

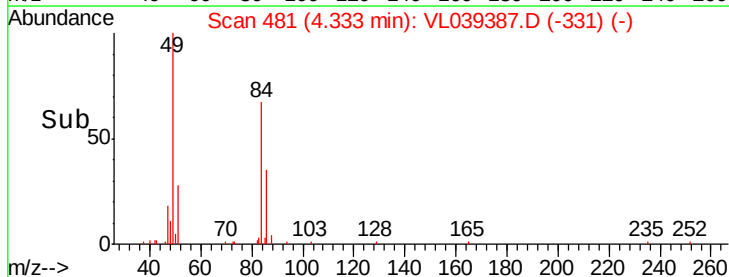
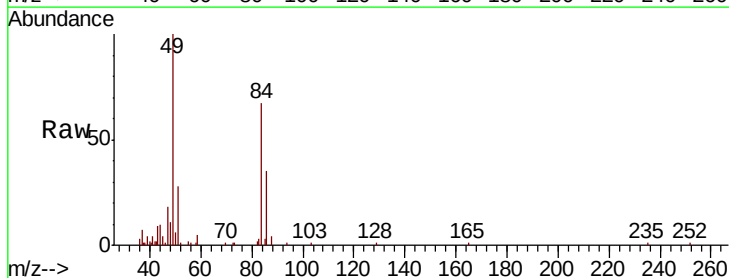
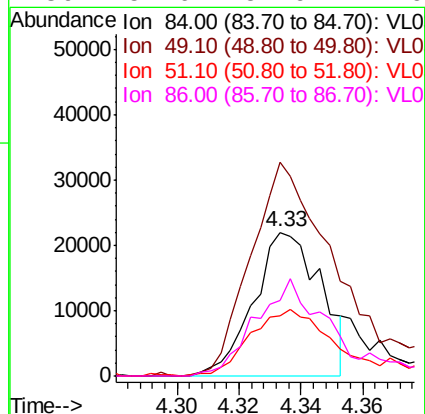
Ion Ratio Lower Upper

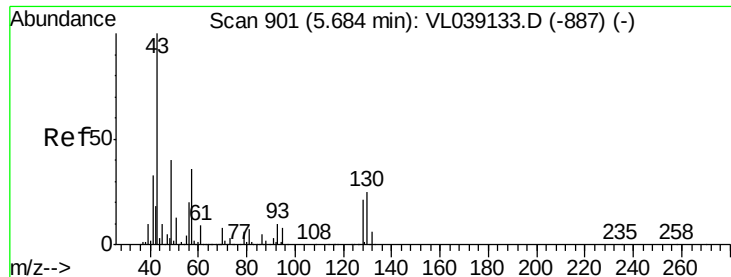
84 100

49 147.4 111.1 166.7

51 40.9 35.3 52.9

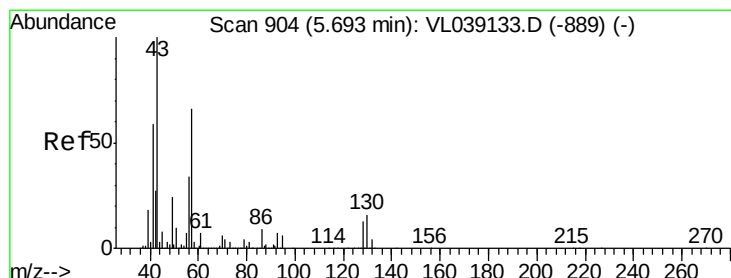
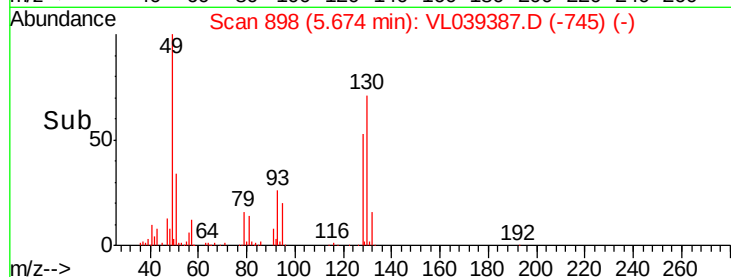
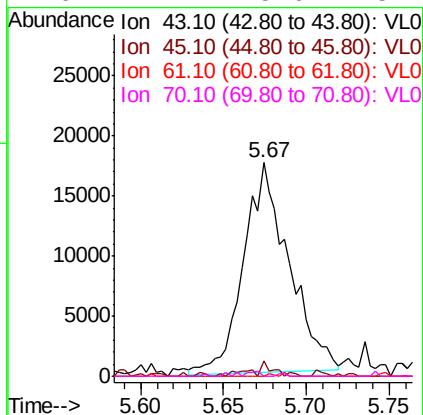
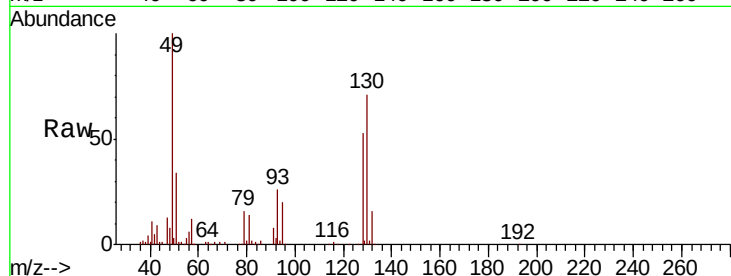
86 52.6 51.9 77.9





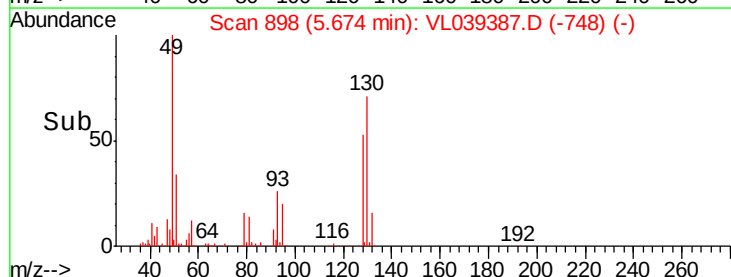
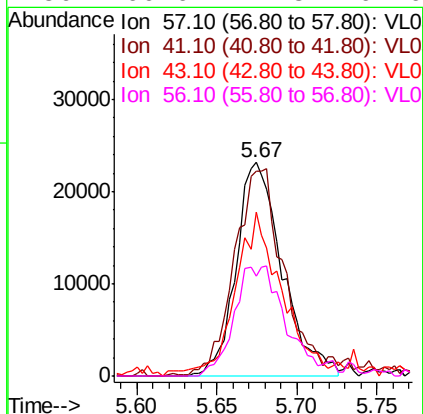
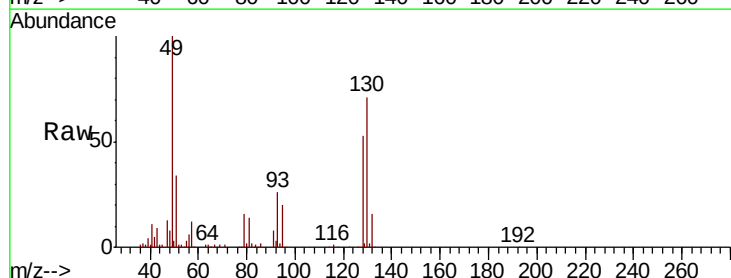
#25
Ethyl Acetate
Concen: 0.137 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-7-20220624DL
Acq: 28 Jun 2022 10:30

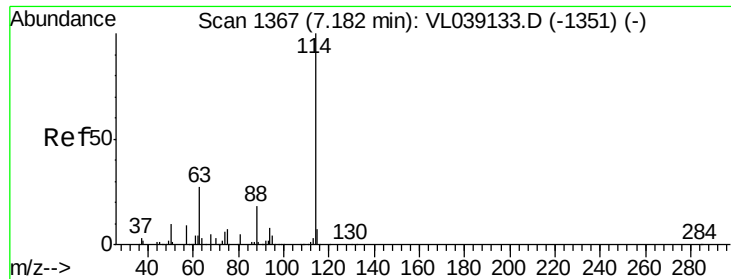
Tot Ion:	43	Resp:	33429
Ion	Ratio	Lower	Upper
43	100		
45	3.3	8.2	12.2#
61	0.4	8.4	12.6#
70	1.4	5.6	8.4#



#26
Hexane
Concen: 0.428 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL039387.D
Acq: 28 Jun 2022 10:30

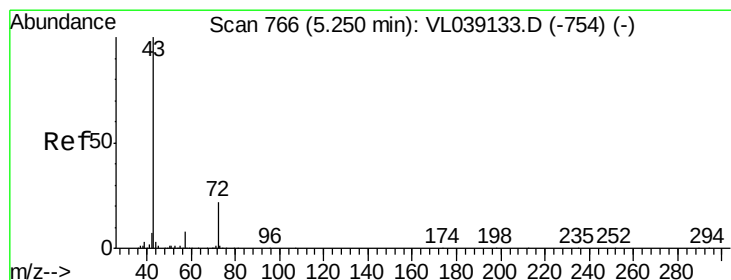
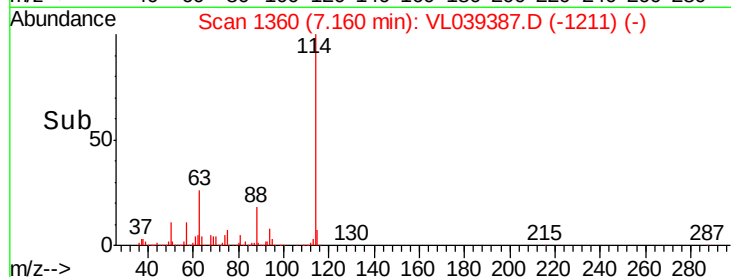
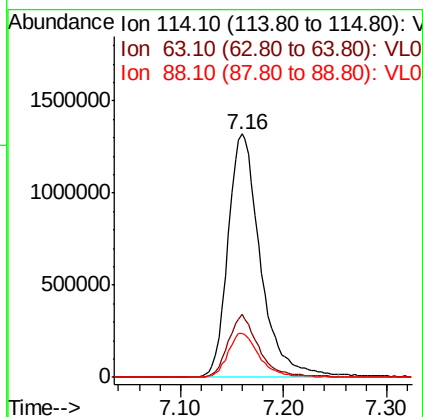
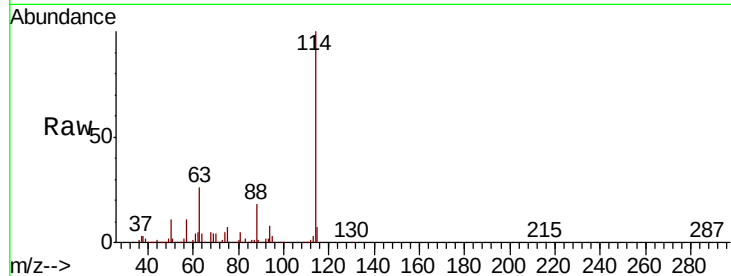
Tgt Ion:	57	Resp:	45816
Ion	Ratio	Lower	Upper
57	100		
41	106.7	72.4	108.6
43	74.4	187.0	280.6#
56	60.6	41.8	62.6





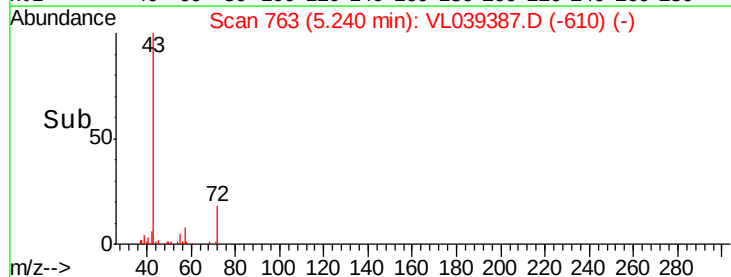
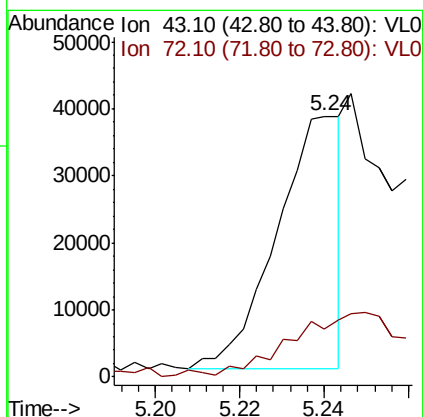
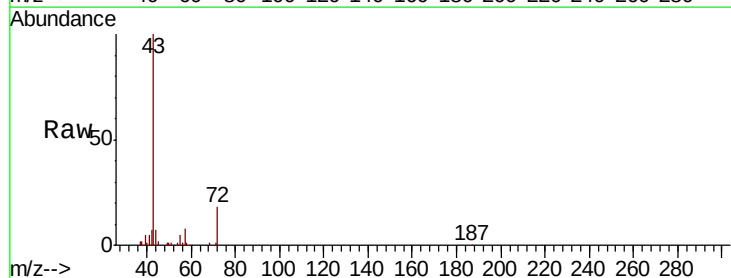
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 SV-7-20220624DL
 Acq: 28 Jun 2022 10:30

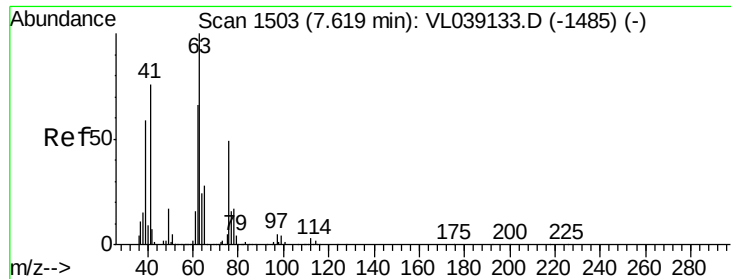
Tot Ion:114 Resp: 2889655
 Ion Ratio Lower Upper
 114 100
 63 24.9 21.7 32.5
 88 18.1 14.8 22.2



#34
 2-Butanone
 Concen: 0.256 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL039387.D
 Acq: 28 Jun 2022 10:30

Tgt Ion: 43 Resp: 40192
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.2 27.2#





#39

1,2-Dichloropropane

Concen: 7.495 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jun 2022 10:30 SV-7-20220624DL

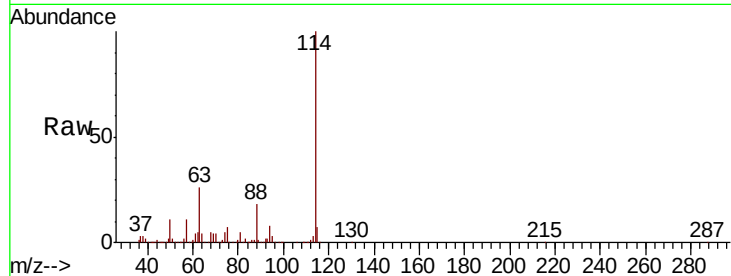
Tot Ion: 63 Resp: 699357

Ion Ratio Lower Upper

63 100

41 0.2 60.8 91.2#

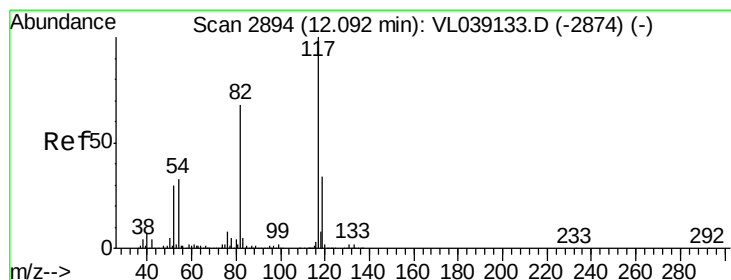
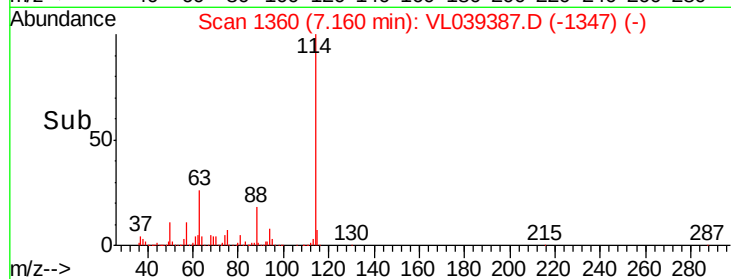
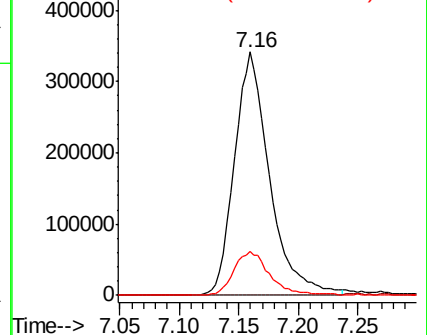
62 17.9 52.9 79.3#



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: 12.07 min Scan# 2886

Delta R.T. -0.03 min

Lab File: VL039387.D

Acq: 28 Jun 2022 10:30

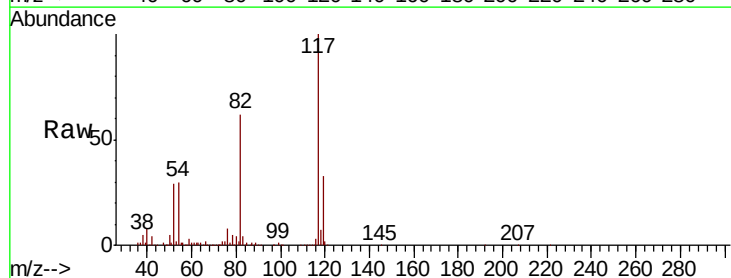
Tgt Ion: 117 Resp: 2463922

Ion Ratio Lower Upper

117 100

82 67.3 55.1 82.7

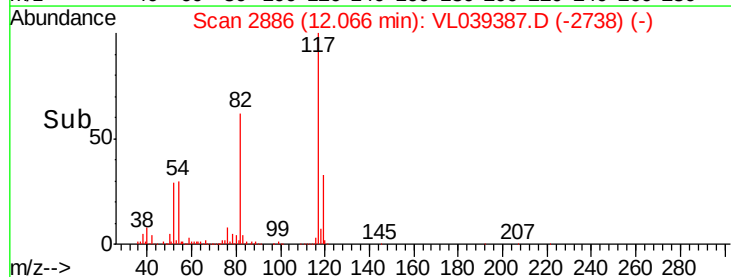
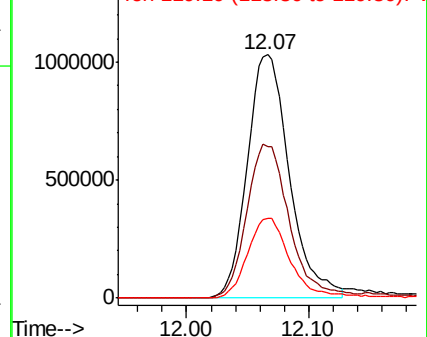
119 34.6 24.7 37.1

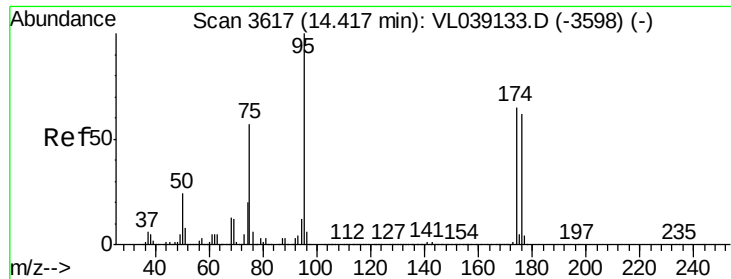


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.205 ppbv

RT: 14.39

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

SV-7-20220624DL

Acq: 28 Jun 2022 10:30

Tot Ion: 95 Resp: 1875111

Ion Ratio Lower Upper

95 100

174 70.4 53.8 80.8

175 5.1 4.1 6.1

