

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039376.D
 Acq On : 28 Jun 2022 2:55
 Operator : SY/AP
 Sample : N3453-02DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Quant Time: Jun 28 04:40:02 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	5.66	49	1076164	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3047116	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2643673	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1946083	8.90	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.00%

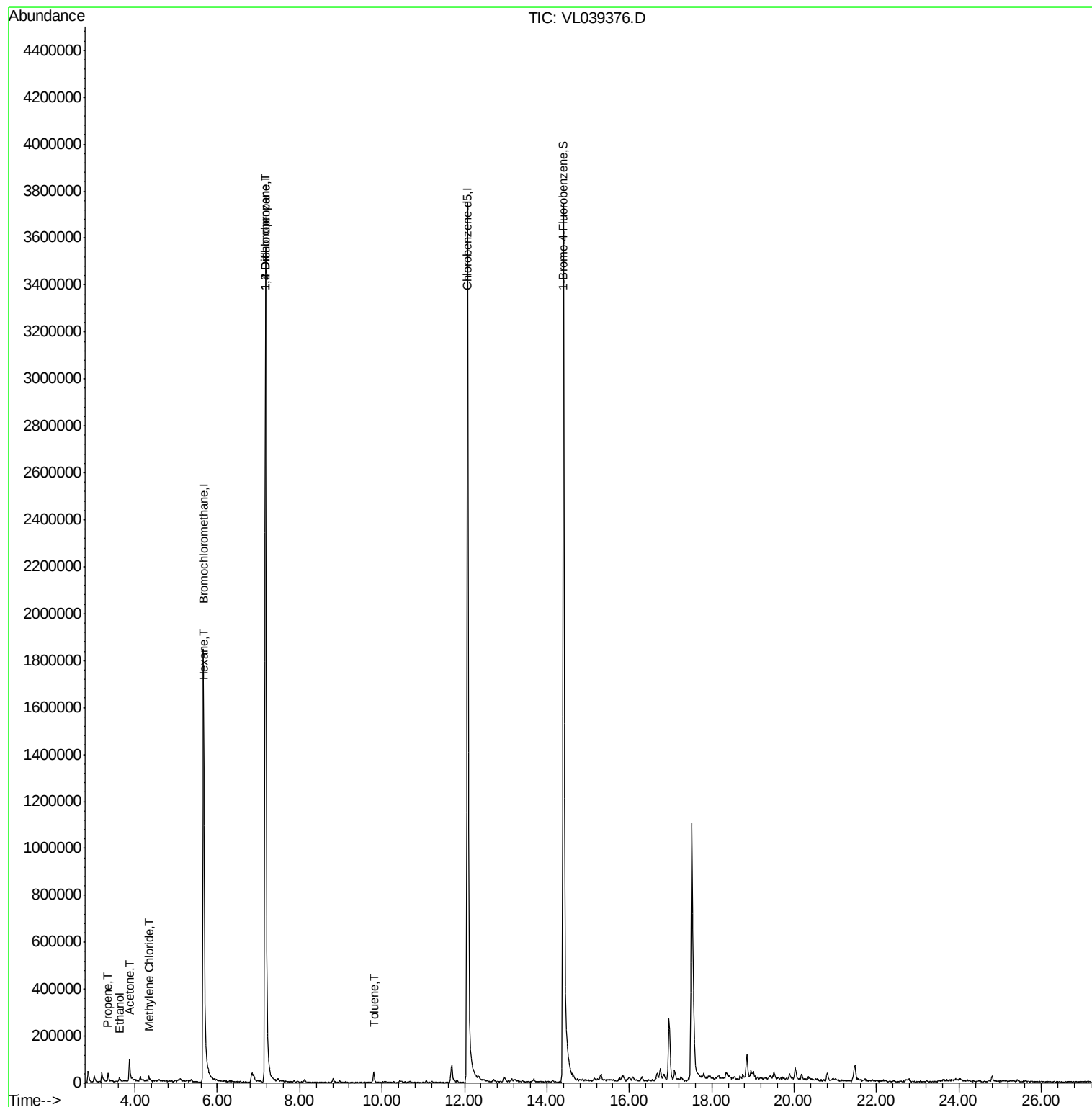
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.35	41	6227	0.104	ppbv	89
13) Ethanol	3.62	45	10942	3.360	ppbv #	100
15) Acetone	3.87	43	66930	0.597	ppbv #	89
20) Methylene Chloride	4.34	84	4310	0.091	ppbv #	91
26) Hexane	5.68	57	8465	0.076	ppbv #	39
39) 1,2-Dichloropropane	7.17	63	749642	7.618	ppbv #	25
53) Toluene	9.80	91	23835	0.084	ppbv #	71

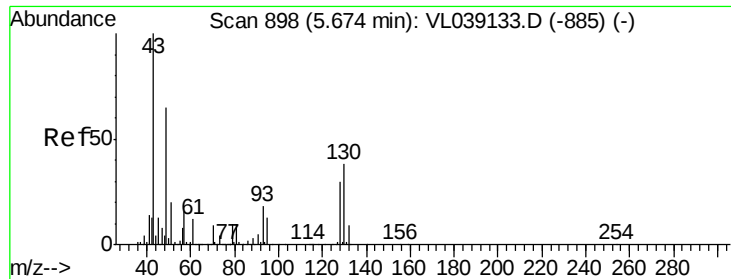
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 28 Jun 2022 2:55

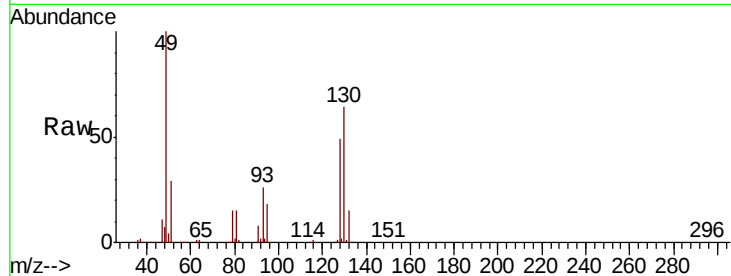
Tot Ion: 49 Resp: 1076164

Ion Ratio Lower Upper

49 100

128 53.0 24.7 74.1

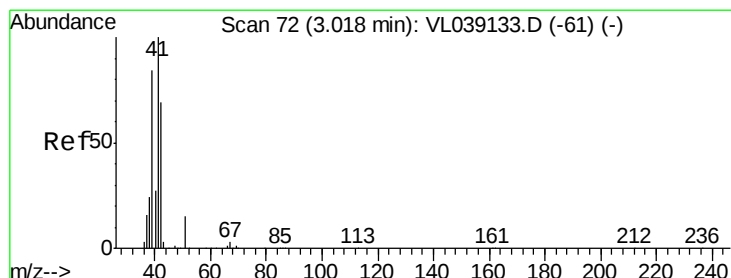
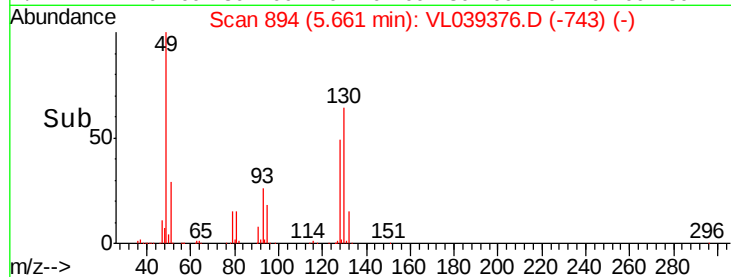
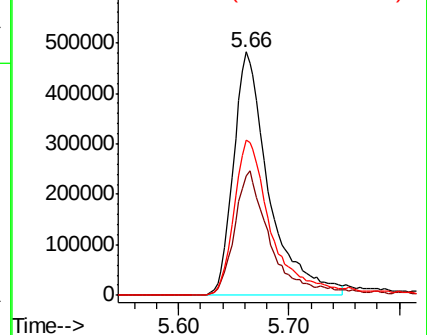
130 70.0 31.4 94.0



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: 0.104 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.33 min

Lab File: VL039376.D

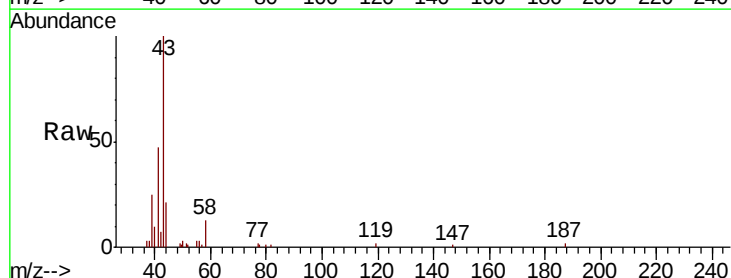
Acq: 28 Jun 2022 2:55

Tgt Ion: 41 Resp: 6227

Ion Ratio Lower Upper

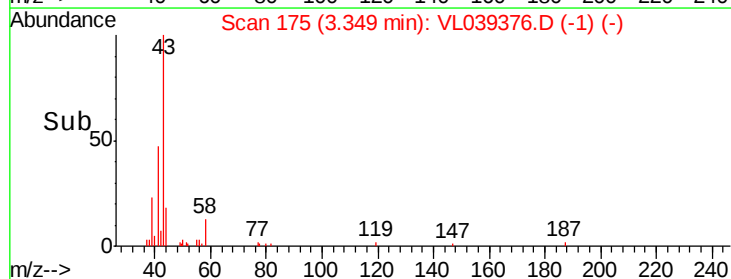
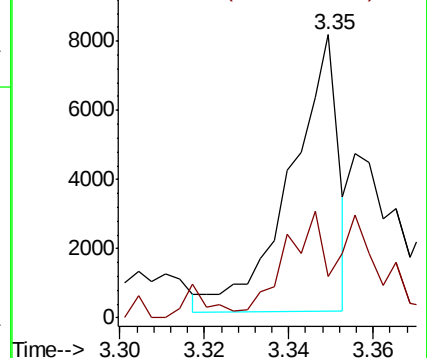
41 100

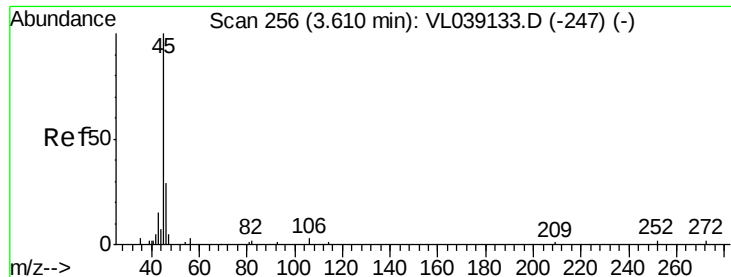
42 78.4 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

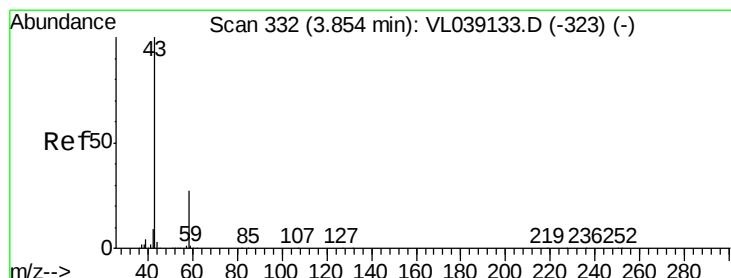
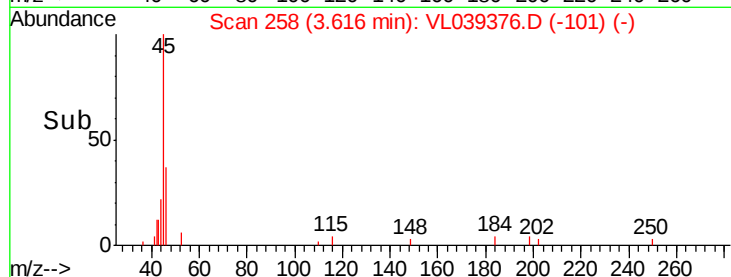
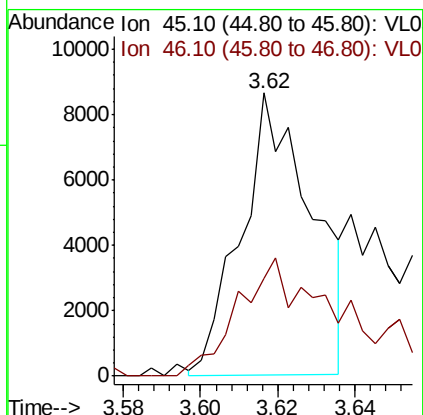
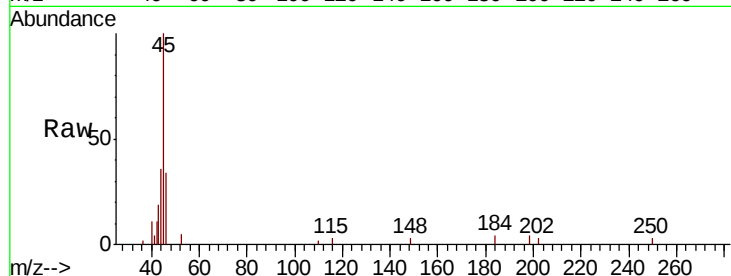
Ion 42.10 (41.80 to 42.80): VL0





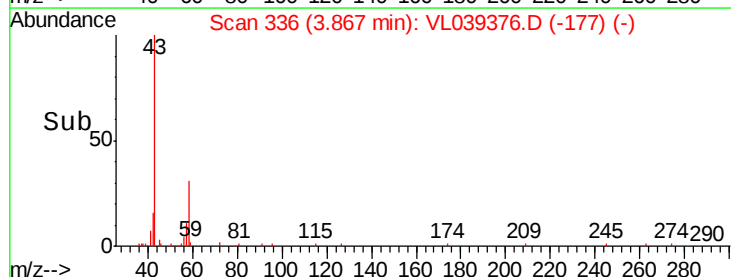
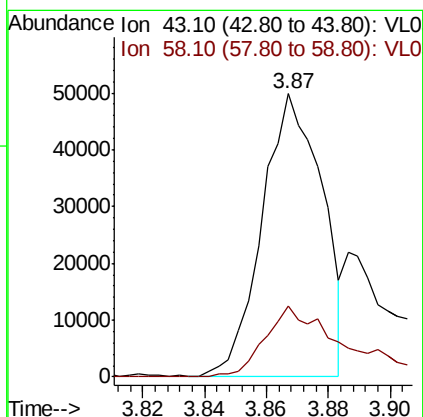
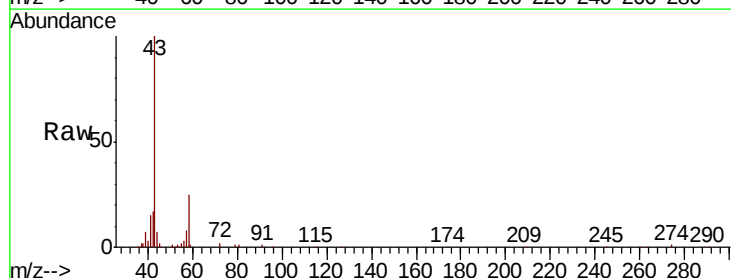
#13
Ethanol
Concen: 3.360 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jun 2022 2:55

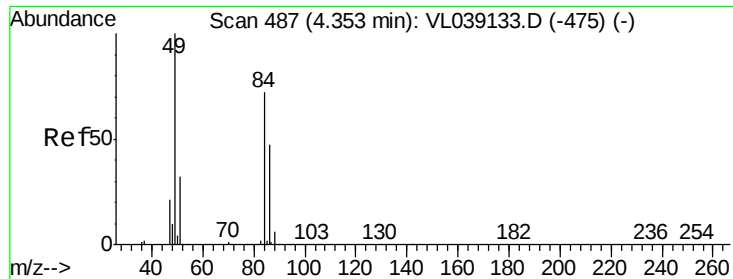
Tot Ion: 45 Resp: 10942
Ion Ratio Lower Upper
45 100
46 75.3 0.0 0.0#



#15
Acetone
Concen: 0.597 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL039376.D
Acq: 28 Jun 2022 2:55

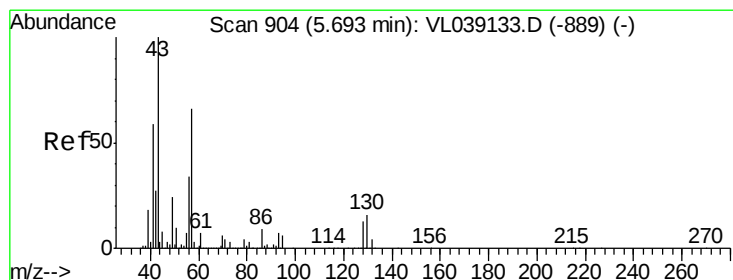
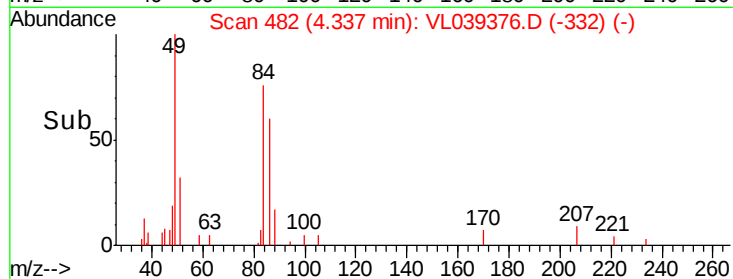
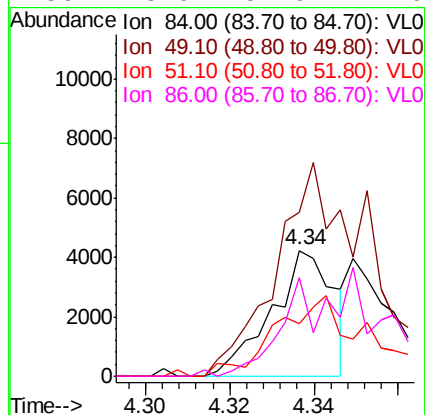
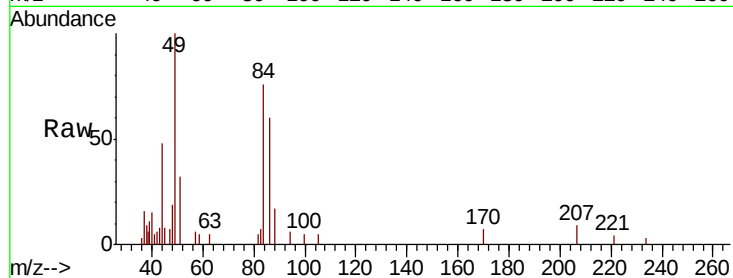
Tgt Ion: 43 Resp: 66930
Ion Ratio Lower Upper
43 100
58 33.7 22.5 33.7#





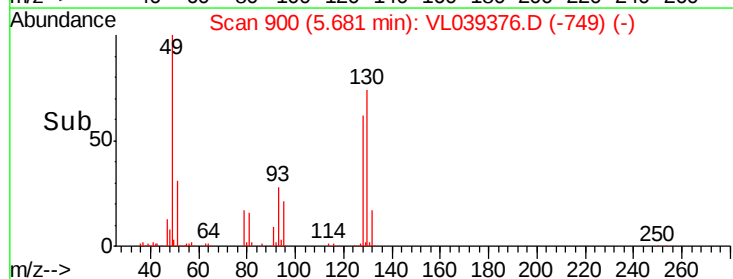
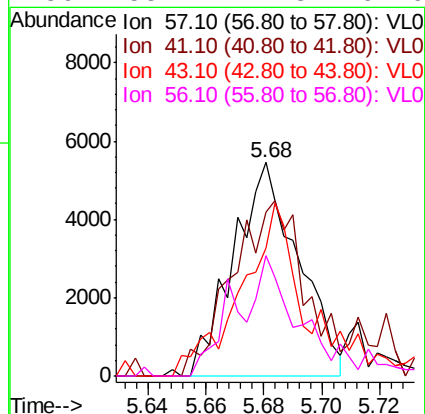
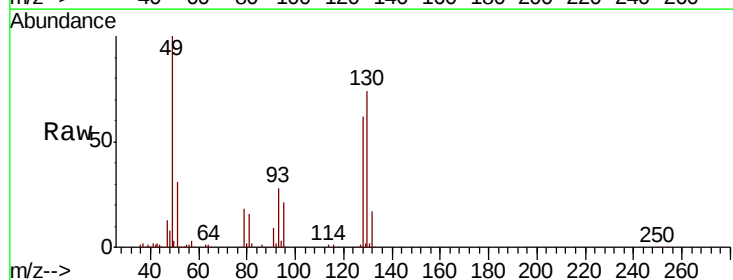
#20
Methvlene Chloride
Concen: 0.091 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jun 2022 2:55

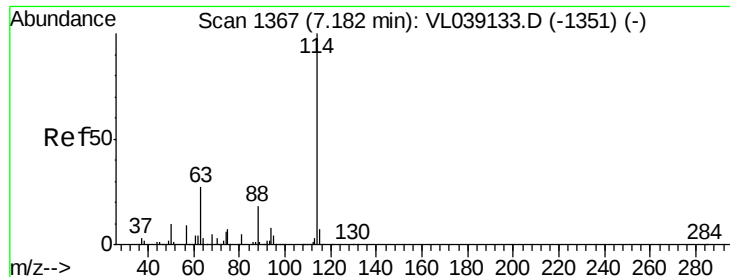
Tot Ion:	84	Resp:	4310
Ion	Ratio	Lower	Upper
84	100		
49	130.8	111.1	166.7
51	42.0	35.3	52.9
86	78.9	51.9	77.9#



#26
Hexane
Concen: 0.076 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL039376.D
Acq: 28 Jun 2022 2:55

Tgt Ion:	57	Resp:	8465
Ion	Ratio	Lower	Upper
57	100		
41	111.2	72.4	108.6#
43	86.2	187.0	280.6#
56	58.2	41.8	62.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SG-2DL

Acq: 28 Jun 2022 2:55

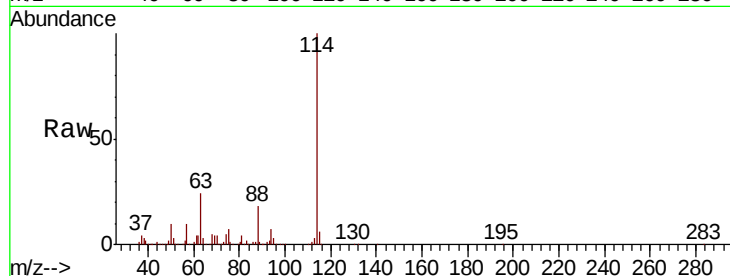
Tot Ion:114 Resp: 3047116

Ion Ratio Lower Upper

114 100

63 25.2 21.7 32.5

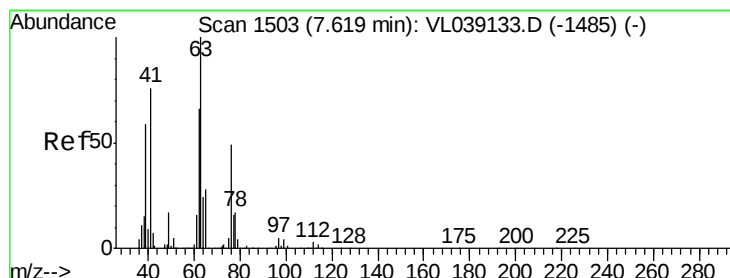
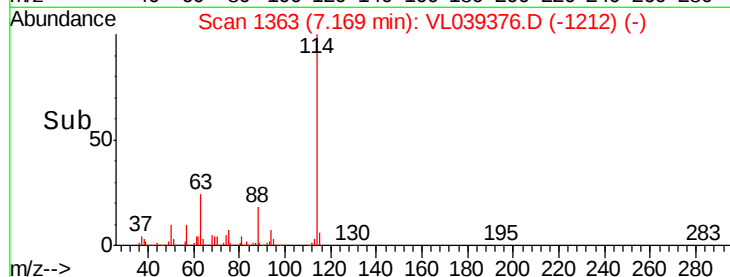
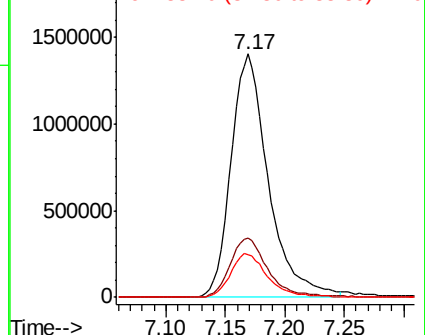
88 18.3 14.8 22.2



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: 7.618 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL039376.D

Acq: 28 Jun 2022 2:55

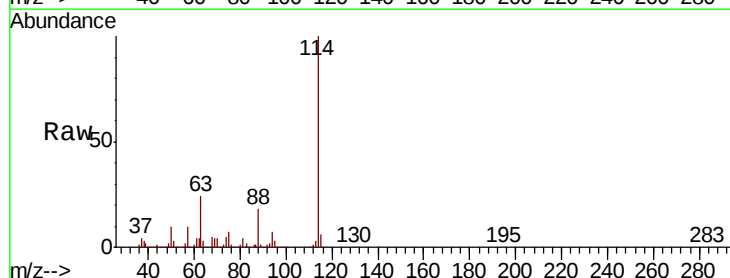
Tgt Ion: 63 Resp: 749642

Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

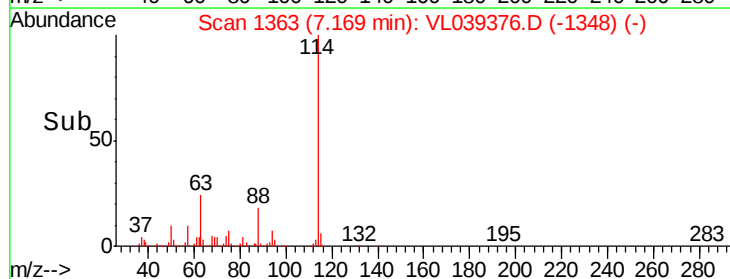
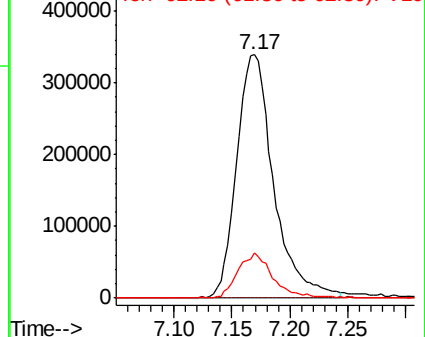
62 18.6 52.9 79.3#

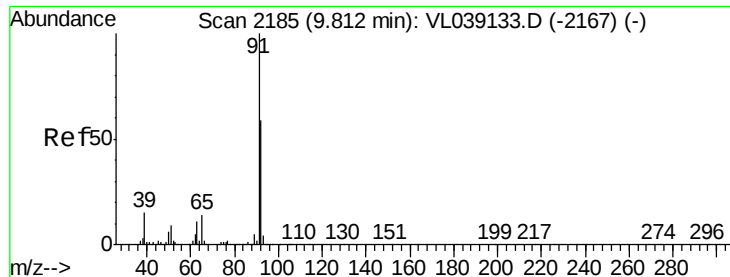


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#53

Toluene

Concen: 0.084 ppbv

RT: 9.80 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SG-2DL

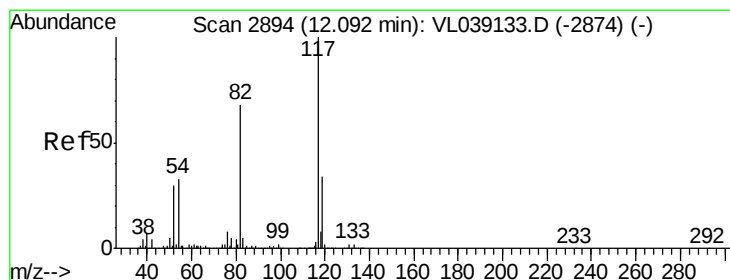
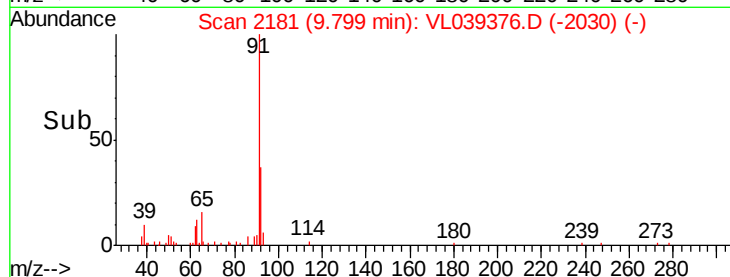
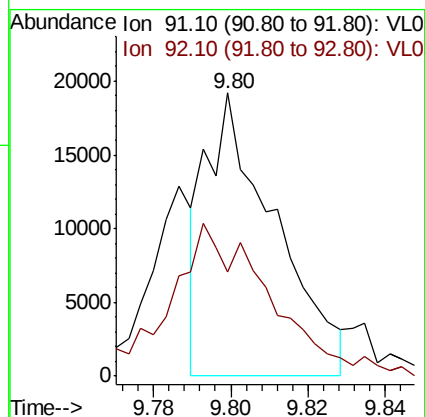
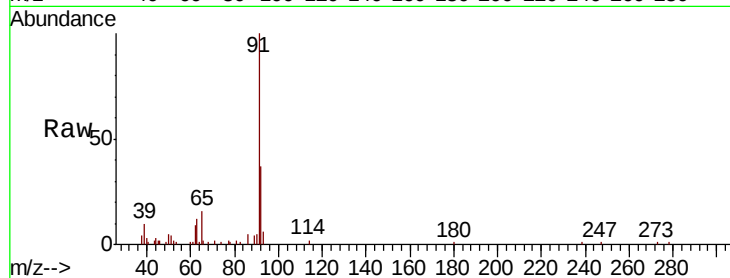
Acq: 28 Jun 2022 2:55

Tot Ion: 91 Resp: 23835

Ion Ratio Lower Upper

91 100

92 82.4 48.1 72.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL039376.D

Acq: 28 Jun 2022 2:55

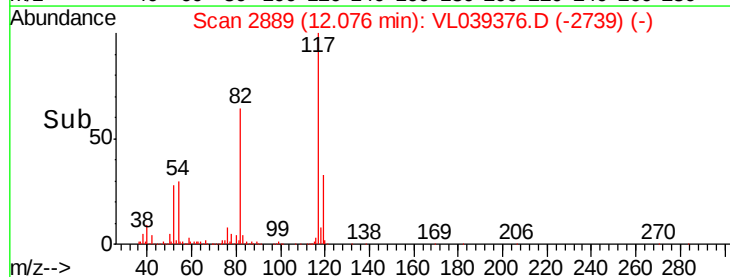
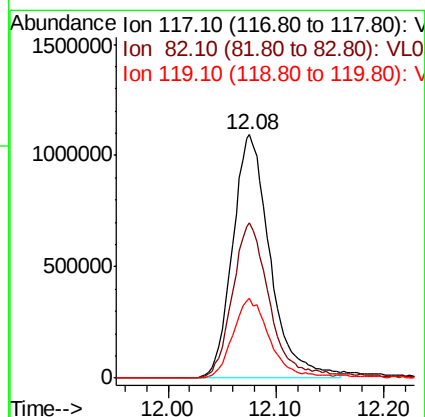
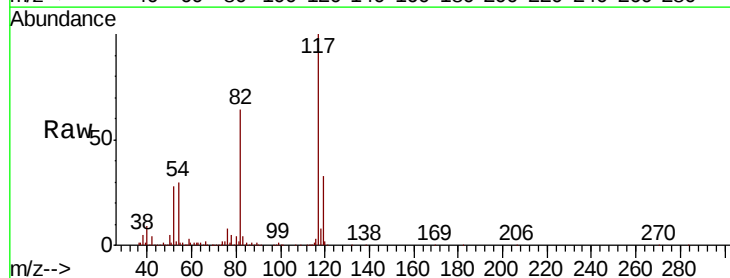
Tgt Ion: 117 Resp: 2643673

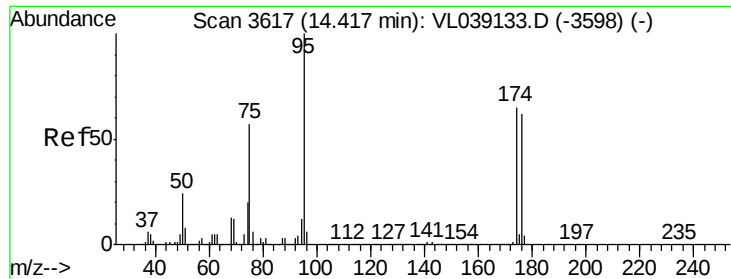
Ion Ratio Lower Upper

117 100

82 64.6 55.1 82.7

119 33.7 24.7 37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 8.904 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Jun 2022 2:55

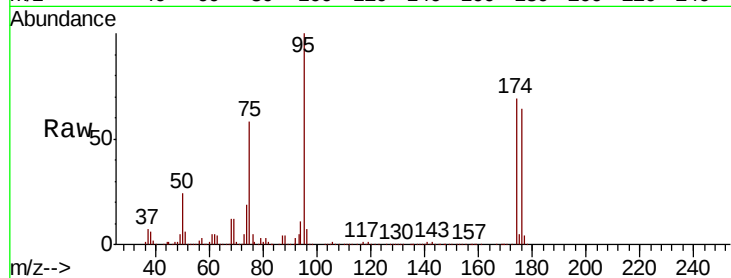
Tot Ion: 95 Resp: 1946083

Ion Ratio Lower Upper

95 100

174 70.9 53.8 80.8

175 4.9 4.1 6.1



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

