

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039380.D
 Acq On : 28 Jun 2022 5:49
 Operator : SY/AP
 Sample : N3508-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1-20220624DL

Quant Time: Jun 28 06:38:46 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

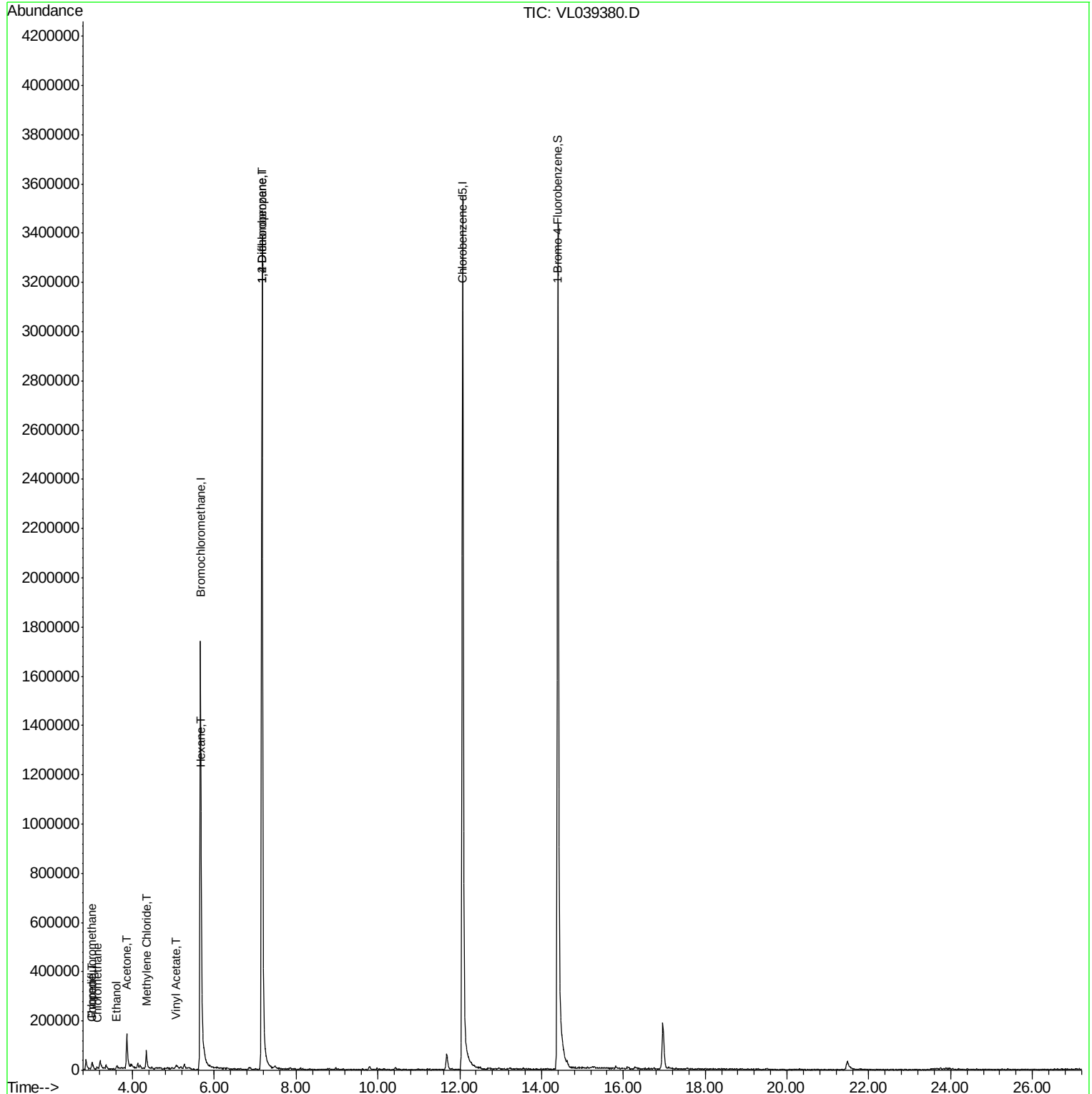
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	980941	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2840944	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2462136	10.00	ppbv	-0.02

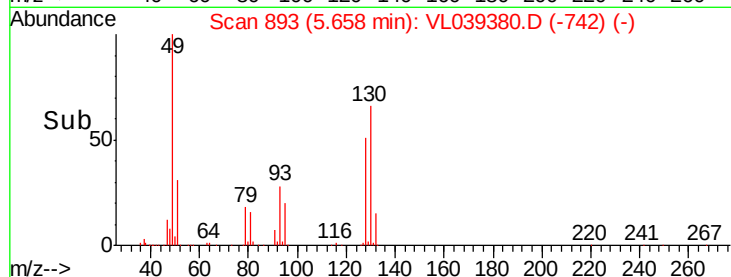
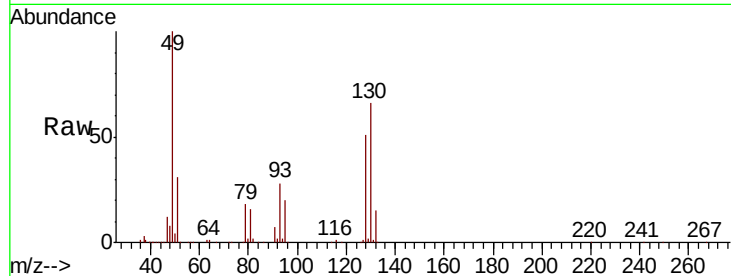
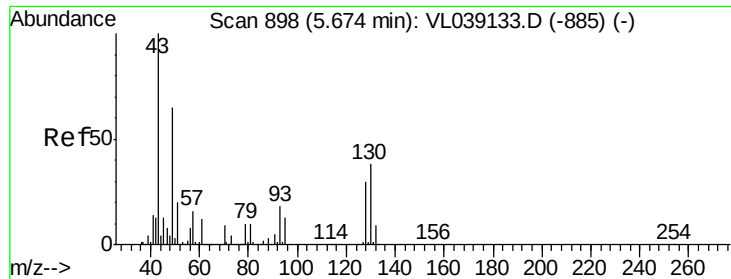
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1825094	8.97	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	8061	0.065	ppbv	99
4) Chloromethane	3.13	50	7146	0.111	ppbv #	84
9) Propene	3.01	41	4251	0.078	ppbv #	15
13) Ethanol	3.60	45	3464	1.167	ppbv #	100
15) Acetone	3.86	43	163568	1.601	ppbv	99
20) Methylene Chloride	4.34	84	25601	0.595	ppbv #	90
23) Vinyl Acetate	5.06	43	10537	0.125	ppbv #	74
26) Hexane	5.68	57	7153	0.071	ppbv #	50
39) 1,2-Dichloropropane	7.17	63	683724	7.453	ppbv #	24

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

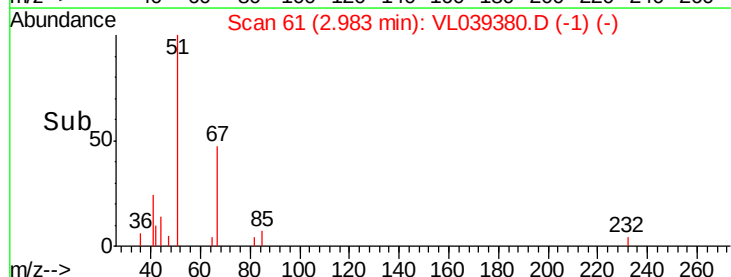
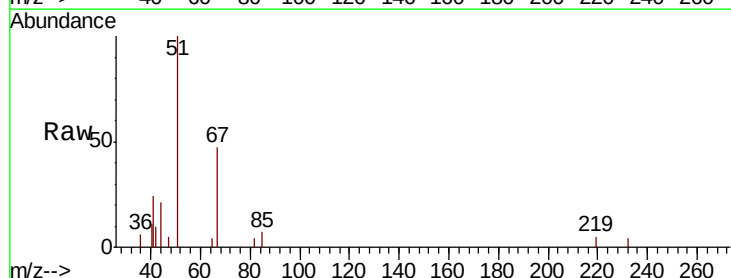
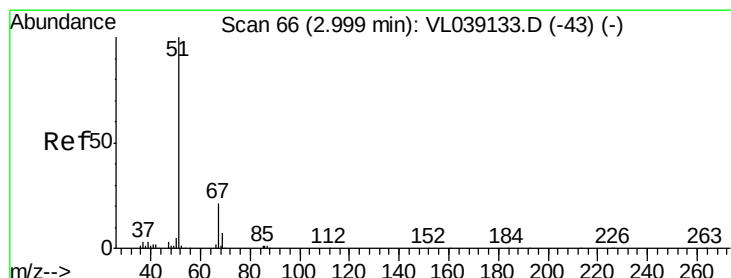
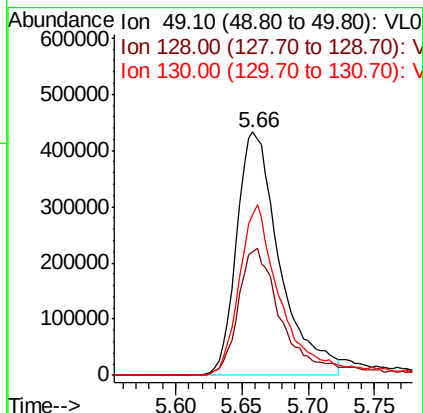
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062722\
Data File : VL039380.D
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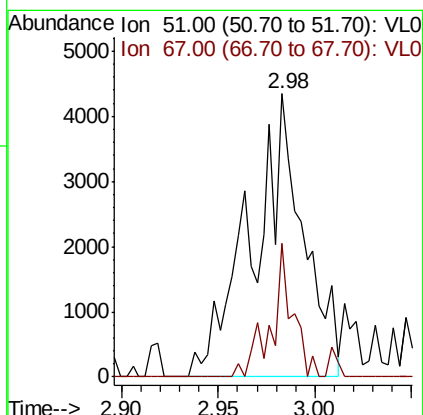
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Jun 2022 5:49

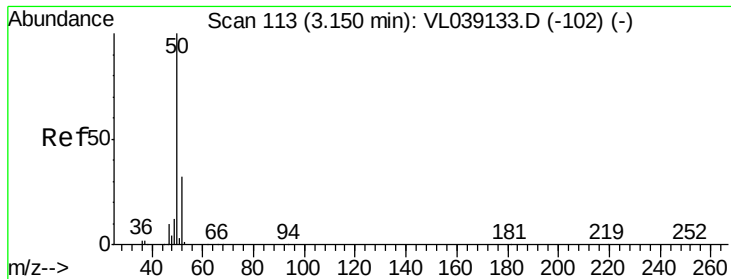
Tot Ion: 49 Resp: 980941
Ion Ratio Lower Upper
49 100
128 55.5 24.7 74.1
130 71.8 31.4 94.0



#3
Chlorodifluoromethane
Concen: 0.065 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.02 min
Lab File: VL039380.D
Acq: 28 Jun 2022 5:49

Tgt Ion: 51 Resp: 8061
Ion Ratio Lower Upper
51 100
67 20.7 16.2 24.4





#4

Chloromethane

Concen: 0.111 ppbv

RT: 3.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

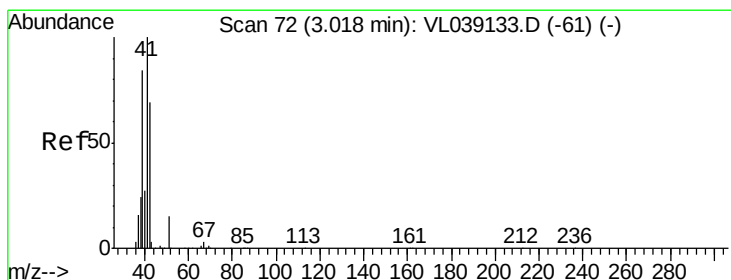
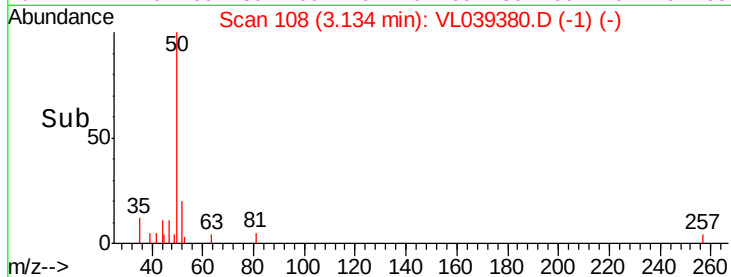
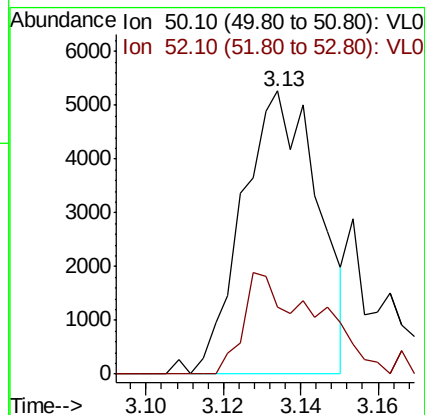
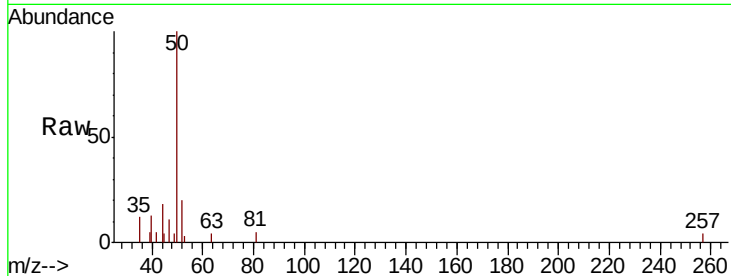
Acq: 28 Jun 2022 5:49

Tot Ion: 50 Resp: 7146

Ion Ratio Lower Upper

50 100

52 23.5 25.9 38.9#



#9

Propene

Concen: 0.078 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL039380.D

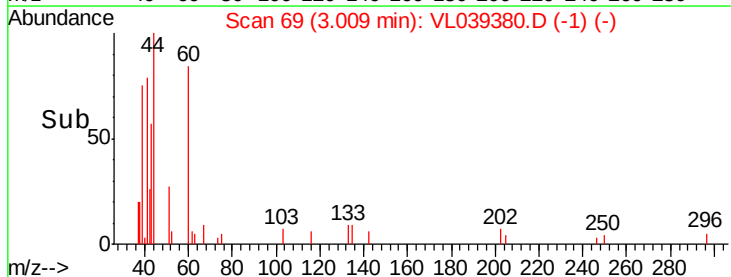
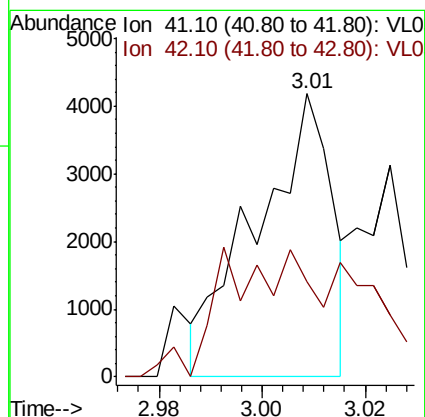
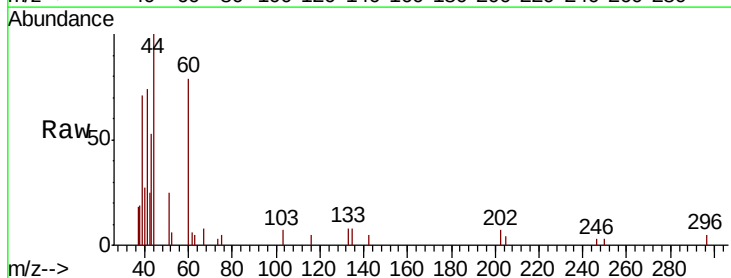
Acq: 28 Jun 2022 5:49

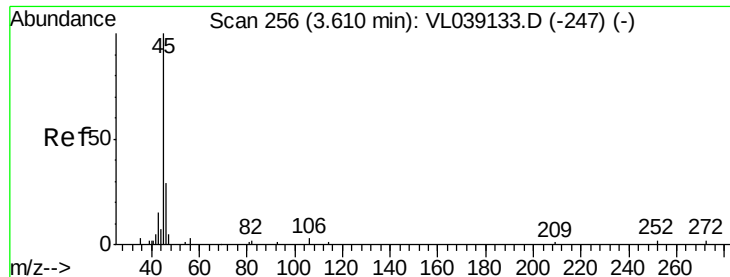
Tgt Ion: 41 Resp: 4251

Ion Ratio Lower Upper

41 100

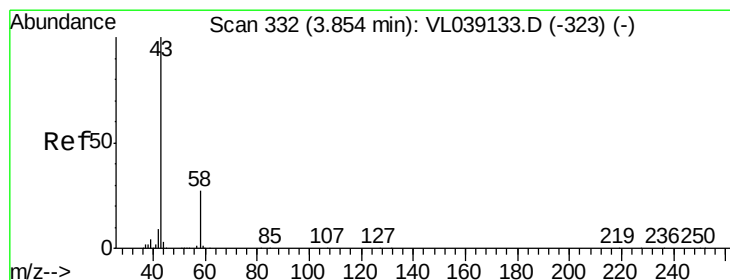
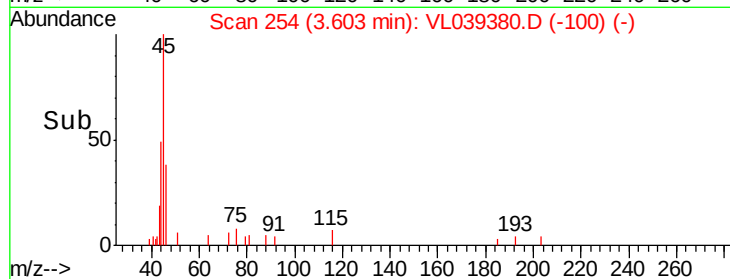
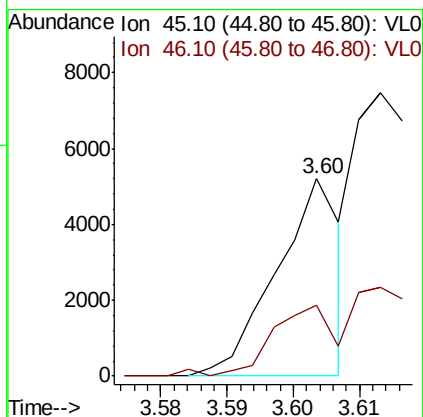
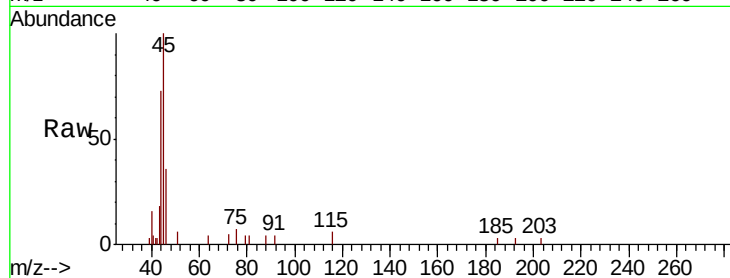
42 0.0 55.4 83.2#





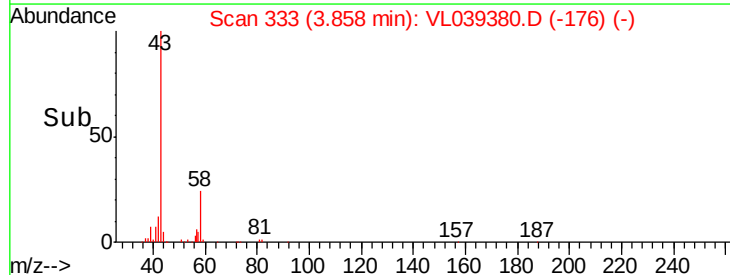
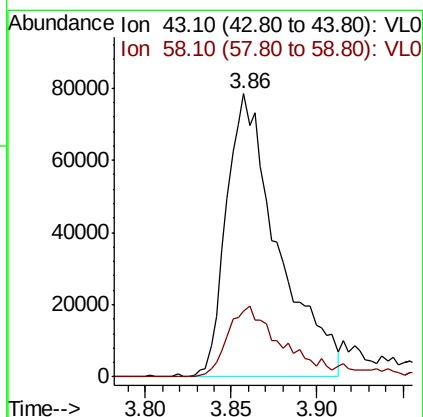
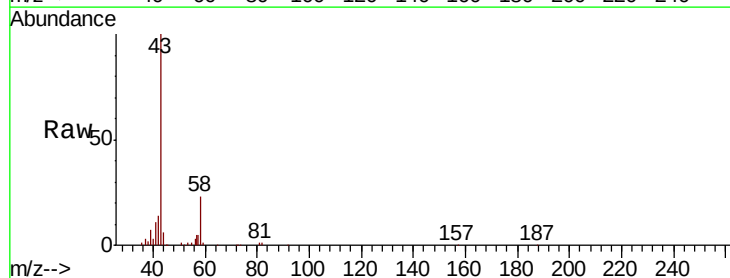
#13
Ethanol
Concen: 1.167 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jun 2022 5:49

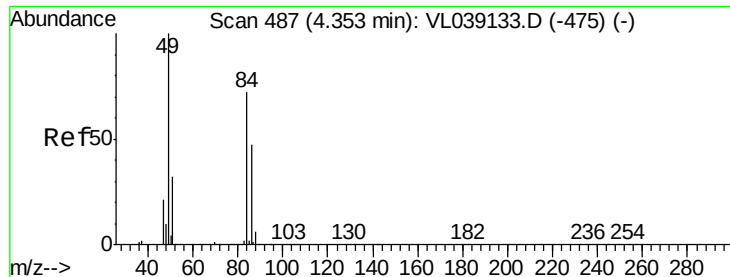
Tot Ion: 45 Resp: 3464
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#15
Acetone
Concen: 1.601 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL039380.D
Acq: 28 Jun 2022 5:49

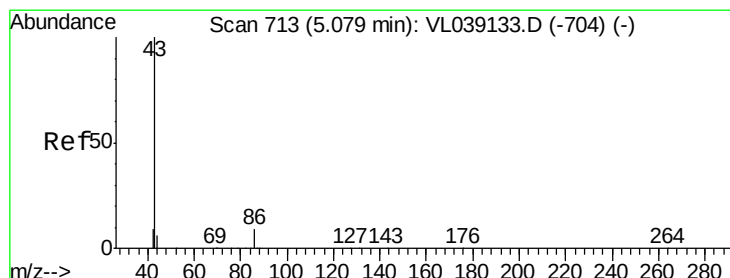
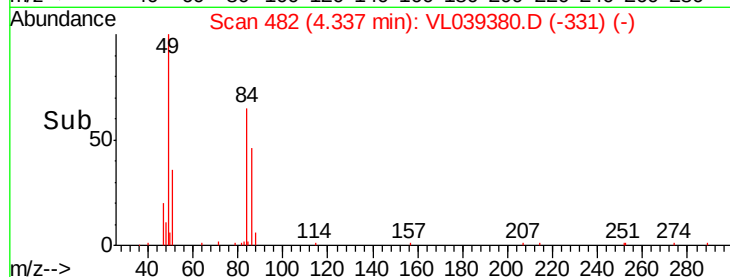
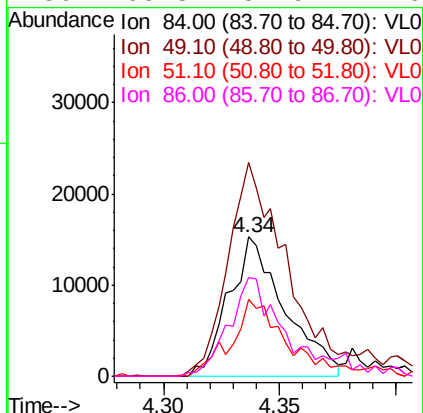
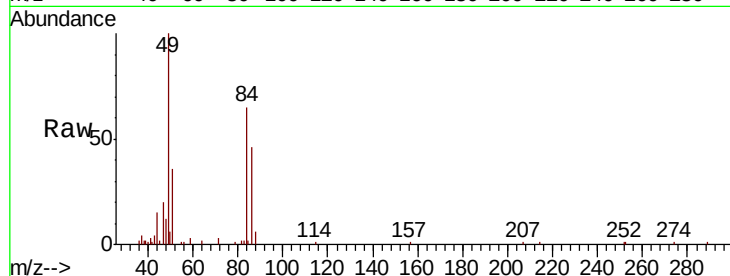
Tgt Ion: 43 Resp: 163568
Ion Ratio Lower Upper
43 100
58 28.8 22.5 33.7





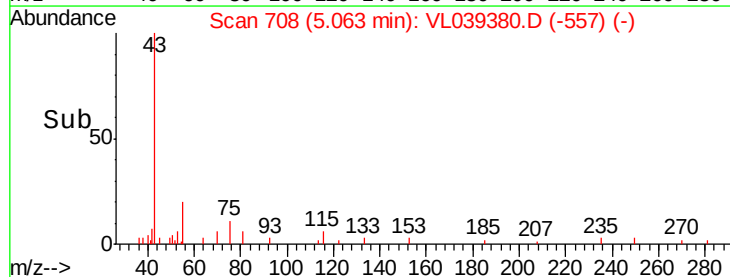
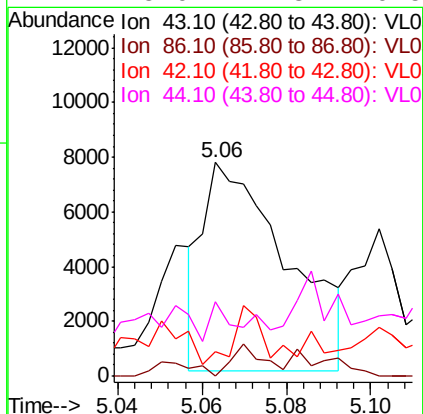
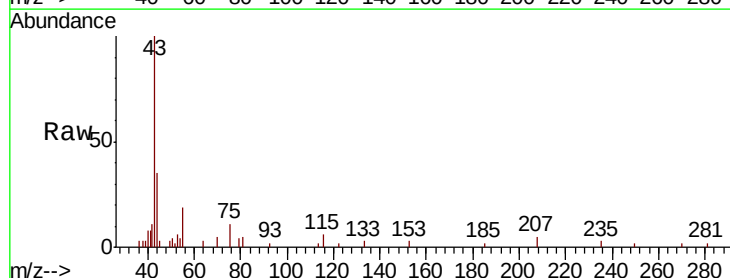
#20
Methvlene Chloride
Concen: 0.595 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 28 Jun 2022 5:49

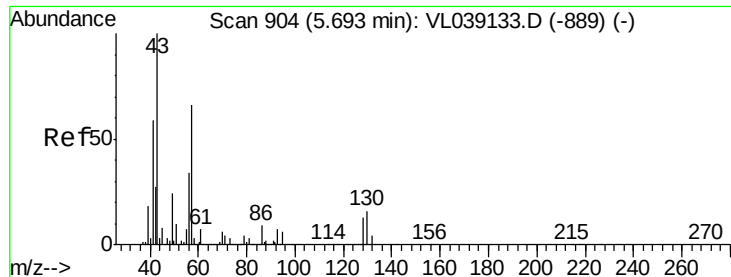
Tot Ion: 84 Resp: 25601
Ion Ratio Lower Upper
84 100
49 153.9 111.1 166.7
51 54.0 35.3 52.9#
86 65.8 51.9 77.9



#23
Vinyl Acetate
Concen: 0.125 ppbv
RT: 5.06 min Scan# 708
Delta R.T. -0.02 min
Lab File: VL039380.D
Acq: 28 Jun 2022 5:49

Tgt Ion: 43 Resp: 10537
Ion Ratio Lower Upper
43 100
86 0.0 6.0 9.0#
42 0.0 8.2 12.4#
44 15.0 4.3 6.5#





#26

Hexane

Concen: 0.071 ppbv

RT: 5.68

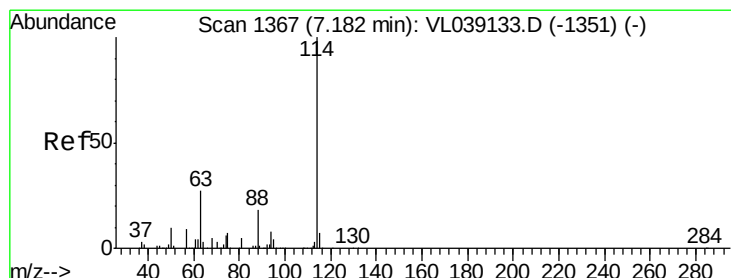
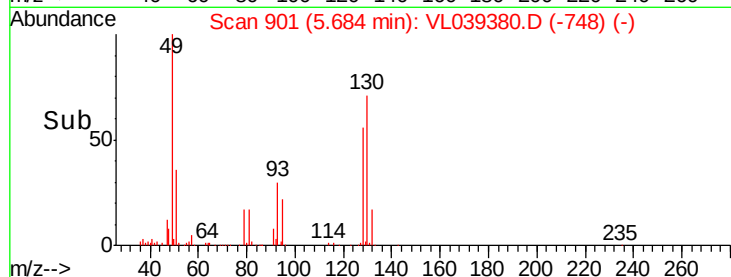
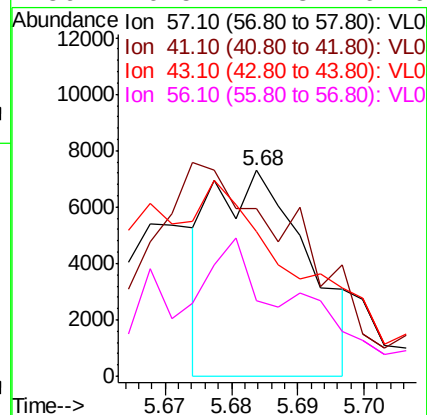
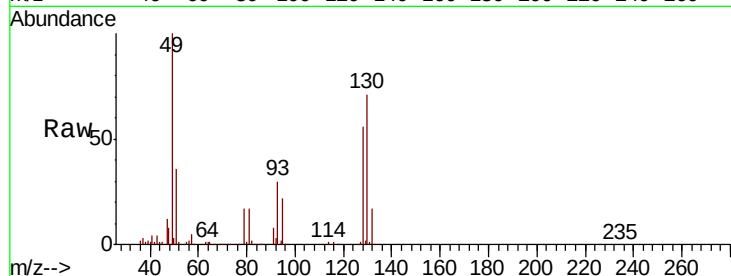
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jun 2022 5:49

Tot Ion: 57 Resp: 7153

Ion	Ratio	Lower	Upper
57	100		
41	205.6	72.4	108.6#
43	212.0	187.0	280.6
56	116.5	41.8	62.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

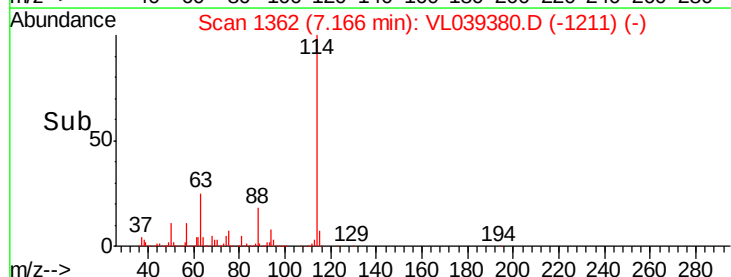
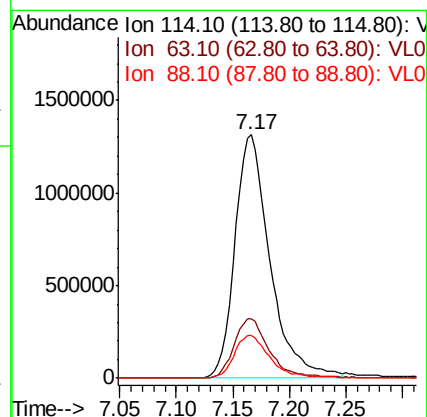
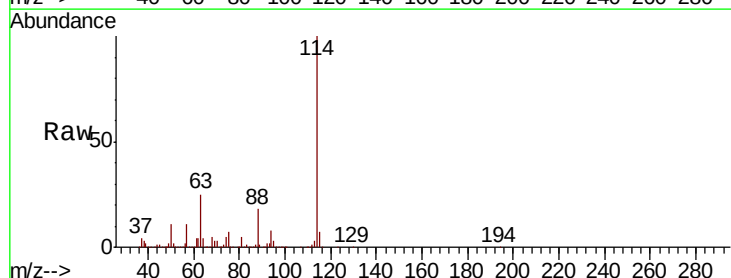
Delta R.T. -0.02 min

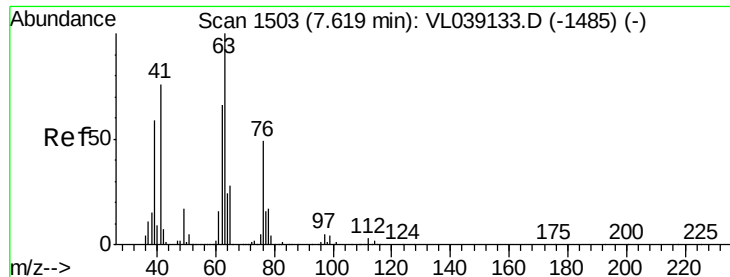
Lab File: VL039380.D

Acq: 28 Jun 2022 5:49

Tgt Ion: 114 Resp: 2840944

Ion	Ratio	Lower	Upper
114	100		
63	24.8	21.7	32.5
88	18.2	14.8	22.2





#39

1,2-Dichloropropane

Concen: 7.453 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jun 2022 5:49

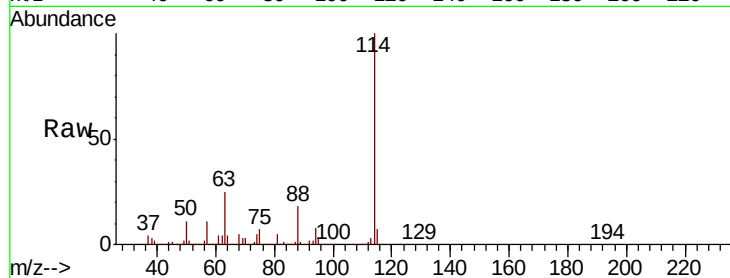
Tot Ion: 63 Resp: 683724

Ion Ratio Lower Upper

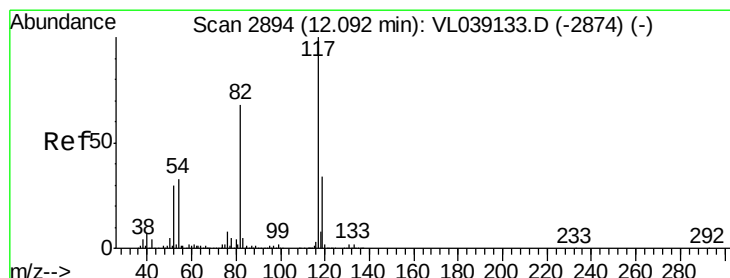
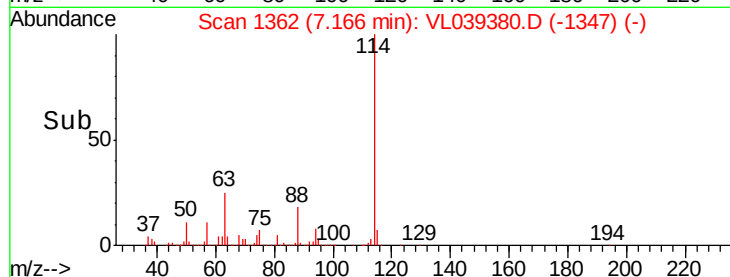
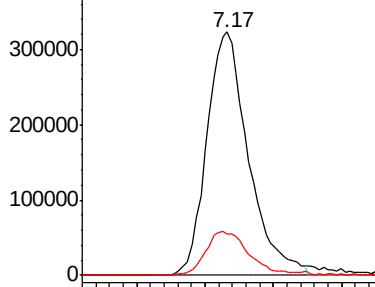
63 100

41 0.1 60.8 91.2#

62 17.1 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# 2888

Delta R.T. -0.02 min

Lab File: VL039380.D

Acq: 28 Jun 2022 5:49

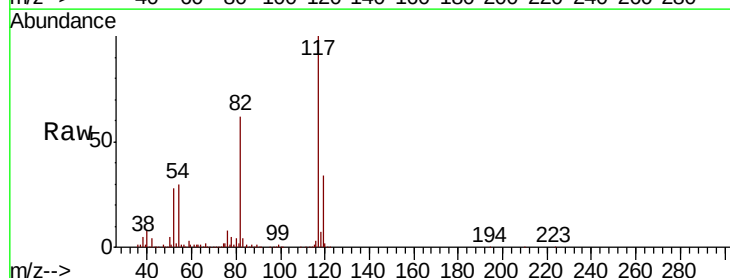
Tgt Ion: 117 Resp: 2462136

Ion Ratio Lower Upper

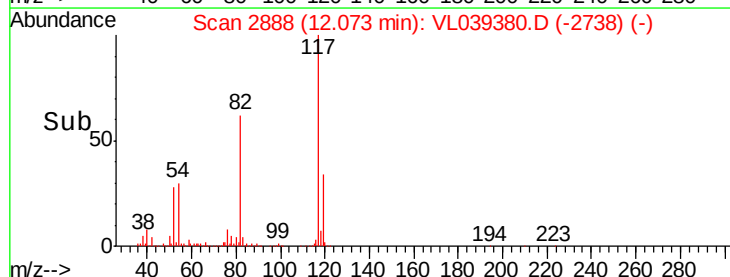
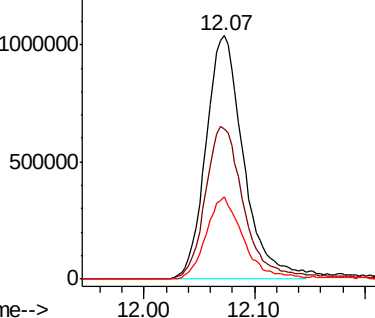
117 100

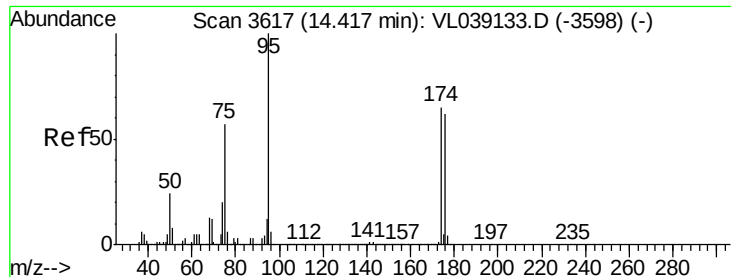
82 66.2 55.1 82.7

119 34.2 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: 8.966 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Jun 2022 5.49

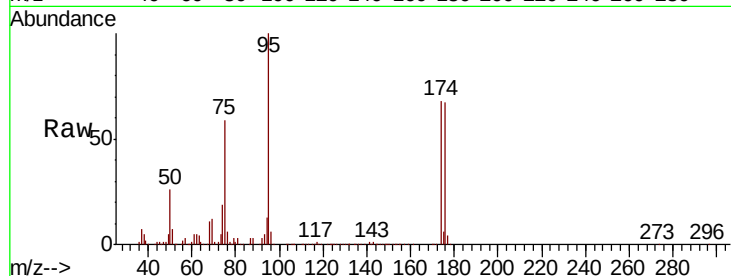
Tot Ion: 95 Resp: 1825094

Ion Ratio Lower Upper

95 100

174 71.1 53.8 80.8

175 5.1 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

