

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070522\
 Data File : VL039428.D
 Acq On : 5 Jul 2022 20:55
 Operator : SY/AP
 Sample : N3560-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Quant Time: Jul 06 02:36:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1206597	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	3356539	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	2906202	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2169725	10.06	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

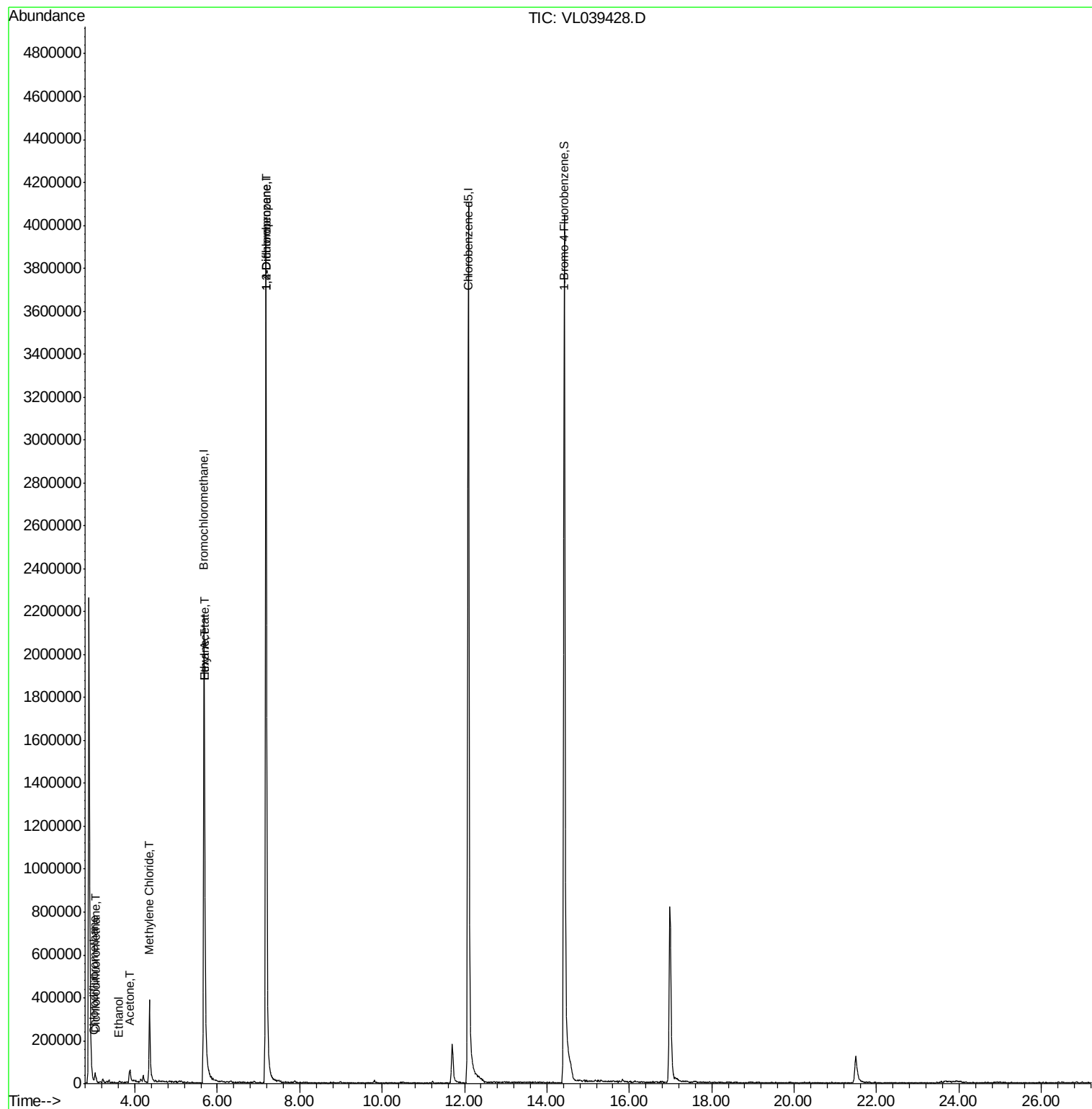
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	11679	0.067 ppbv	99
3) Chlorodifluoromethane	3.00	51	8880	0.058 ppbv #	83
13) Ethanol	3.60	45	692	0.173 ppbv #	23
15) Acetone	3.87	43	35726	0.250 ppbv #	26
20) Methylene Chloride	4.36	84	161448	2.838 ppbv	94
25) Ethyl Acetate	5.70	43	69733	0.238 ppbv #	77
26) Hexane	5.70	57	99332	0.842 ppbv #	40
39) 1,2-Dichloropropane	7.18	63	842821	8.685 ppbv #	26

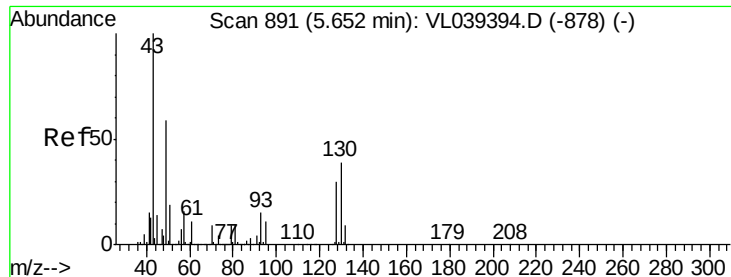
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA1DL

Acq: 5 Jul 2022 20:55

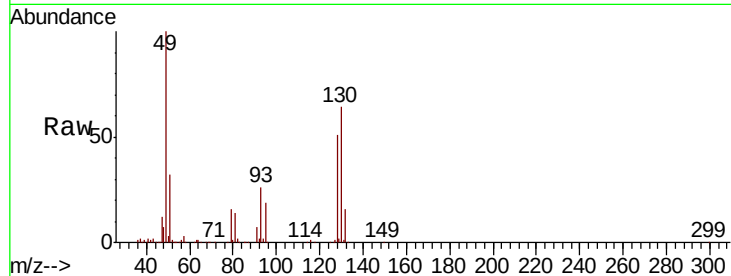
Tot Ion: 49 Resp: 1206597

Ion Ratio Lower Upper

49 100

128 54.0 26.7 80.0

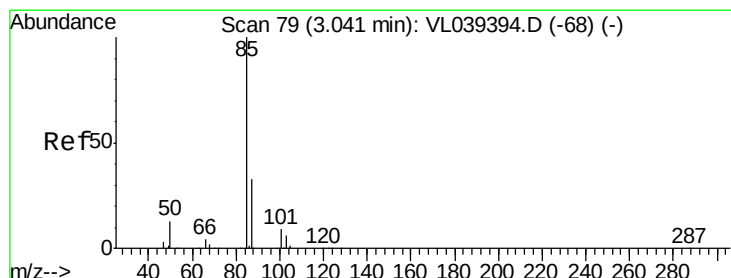
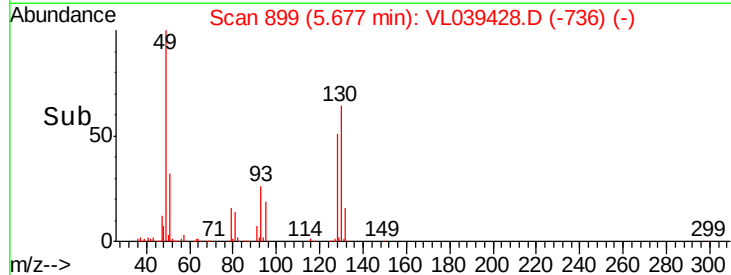
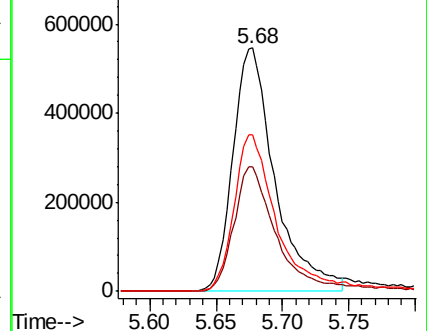
130 68.0 34.3 102.8



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



#2

Dichlorodifluoromethane

Concen: 0.067 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL039428.D

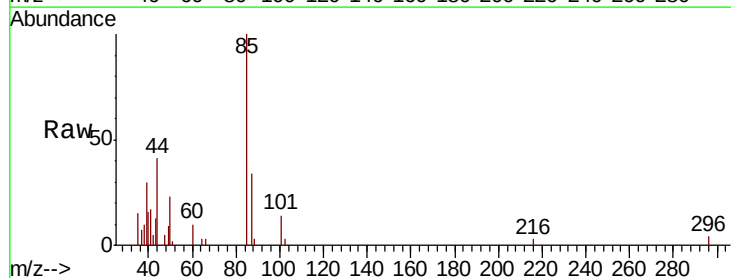
Acq: 5 Jul 2022 20:55

Tgt Ion: 85 Resp: 11679

Ion Ratio Lower Upper

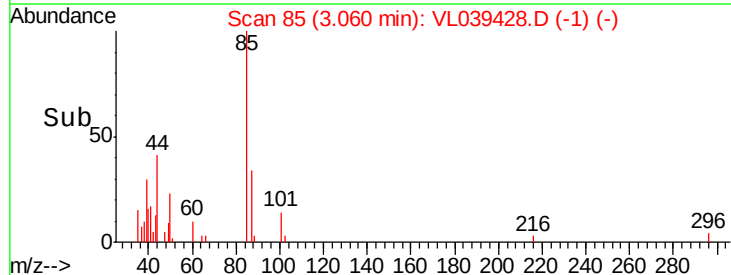
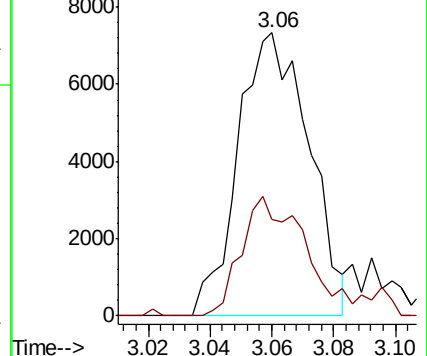
85 100

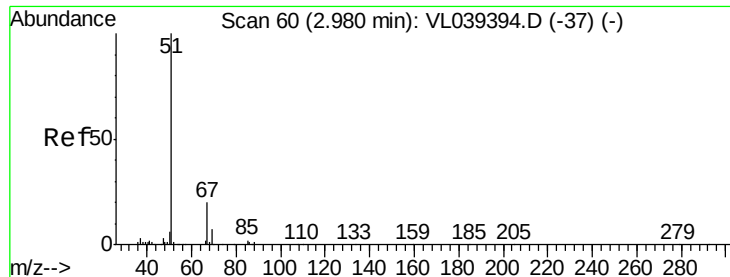
87 34.2 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.058 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

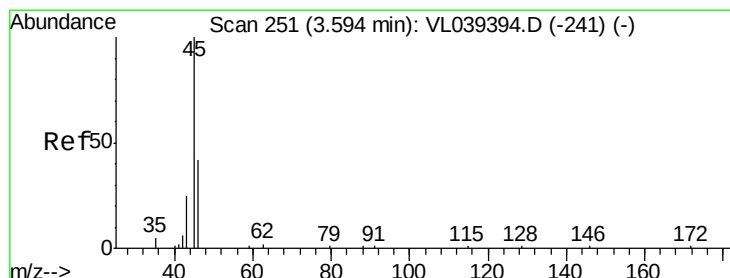
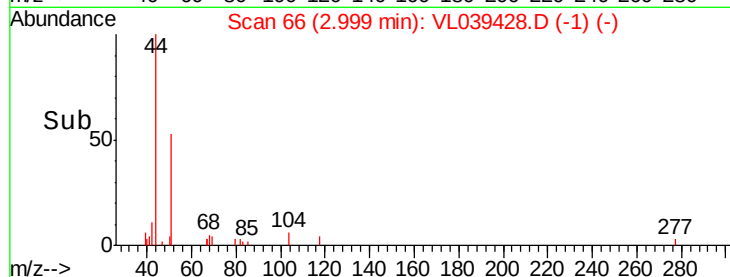
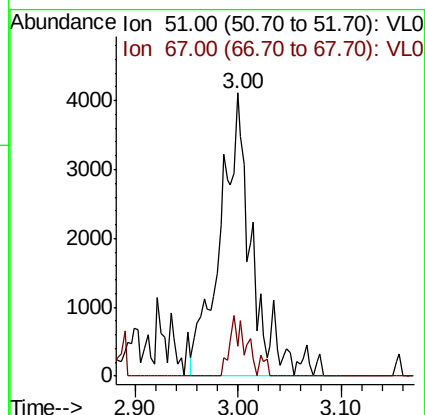
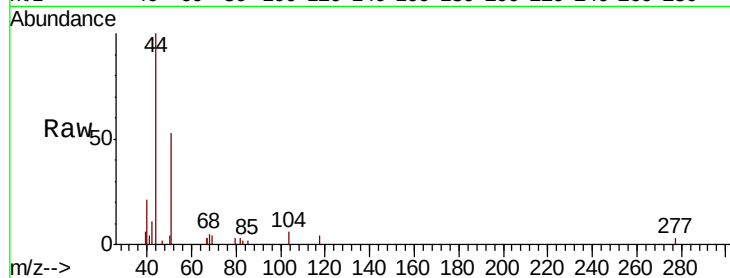
Acq: 5 Jul 2022 20:55

Tot Ion: 51 Resp: 8880

Ion Ratio Lower Upper

51 100

67 11.8 15.7 23.5#



#13

Ethanol

Concen: 0.173 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL039428.D

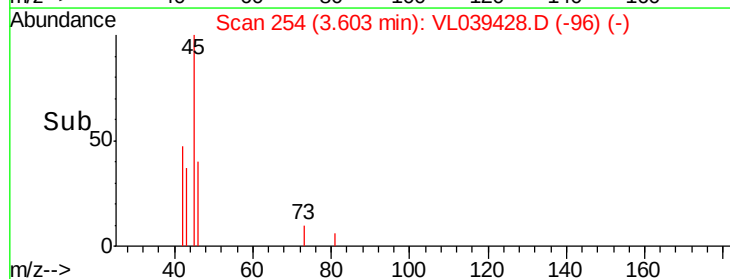
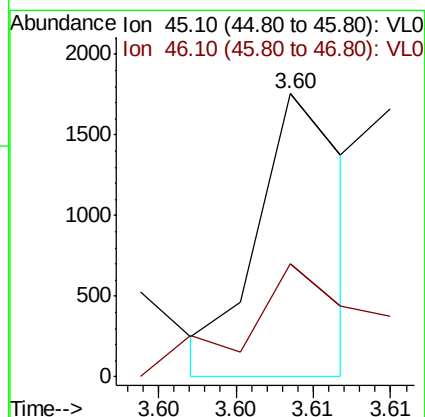
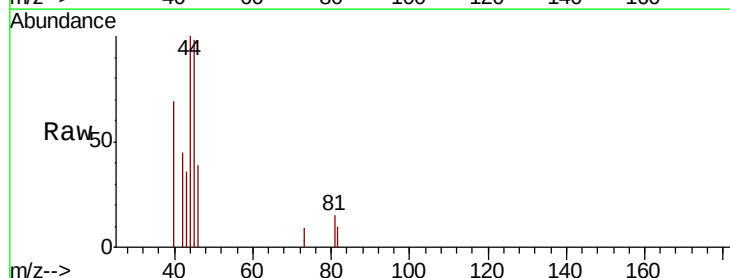
Acq: 5 Jul 2022 20:55

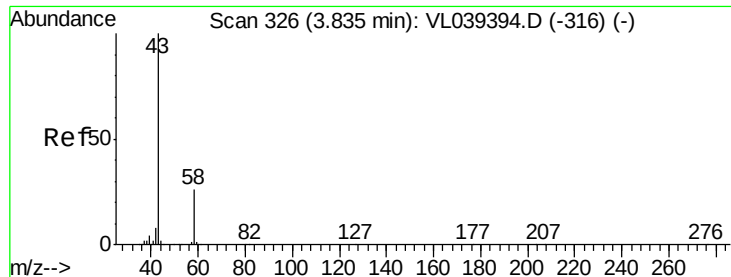
Tgt Ion: 45 Resp: 692

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#





#15

Acetone

Concen: 0.250 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

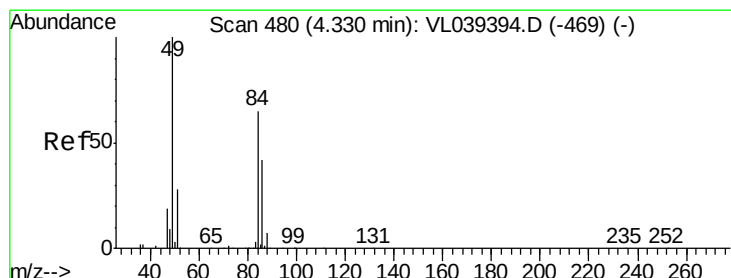
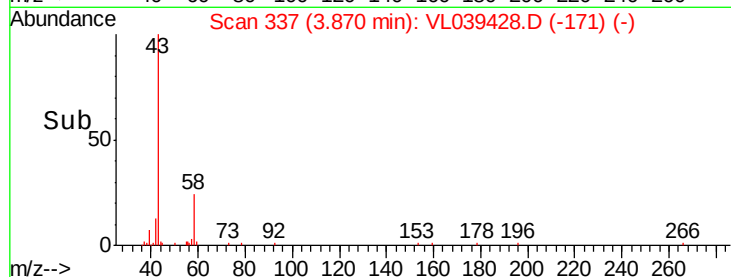
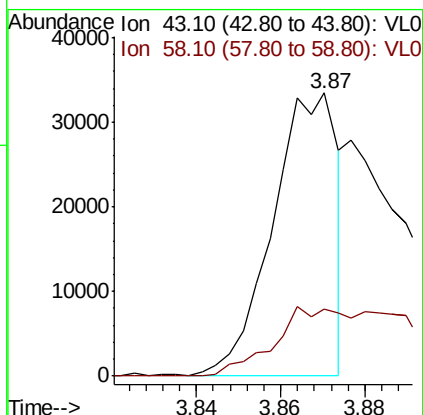
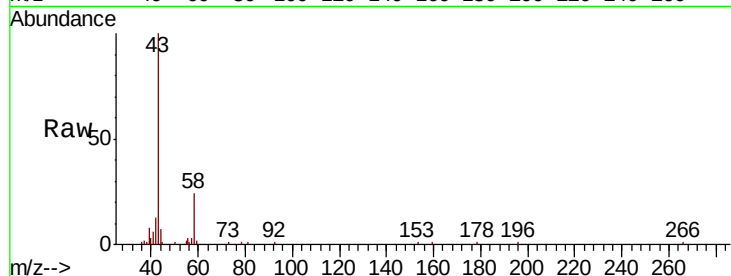
Acq: 5 Jul 2022 20:55

Tot Ion: 43 Resp: 35726

Ion Ratio Lower Upper

43 100

58 64.4 21.0 31.6#



#20

Methylene Chloride

Concen: 2.838 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL039428.D

Acq: 5 Jul 2022 20:55

Tgt Ion: 84 Resp: 161448

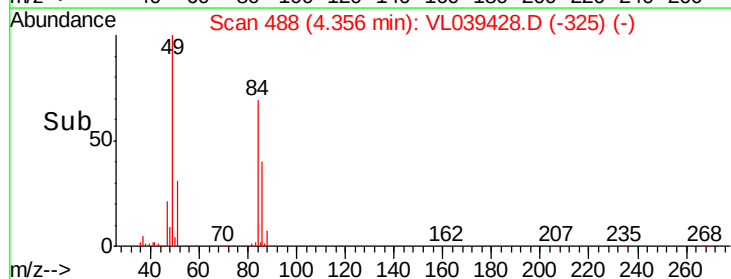
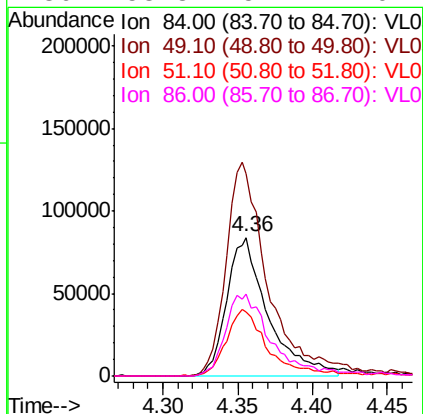
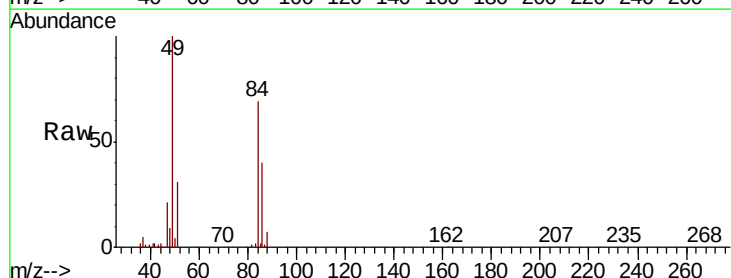
Ion Ratio Lower Upper

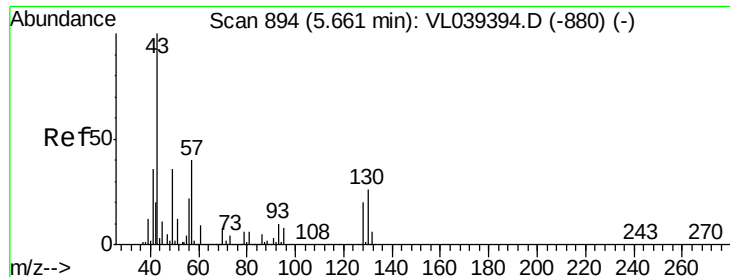
84 100

49 145.5 123.1 184.7

51 45.6 34.4 51.6

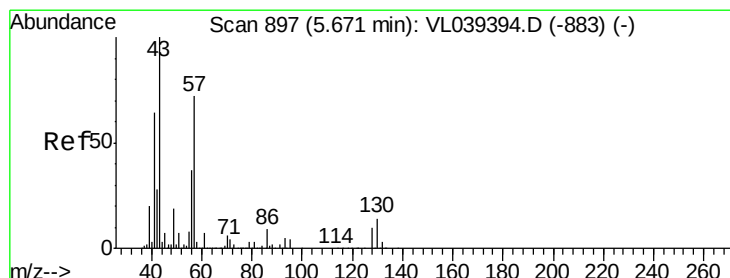
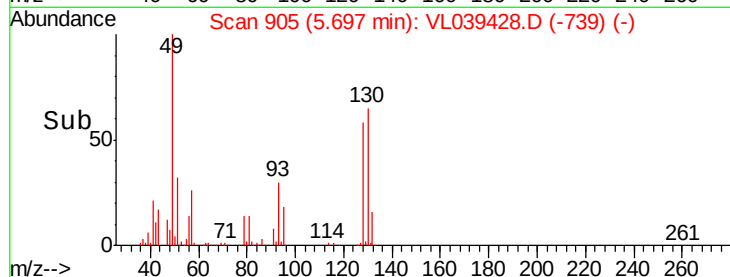
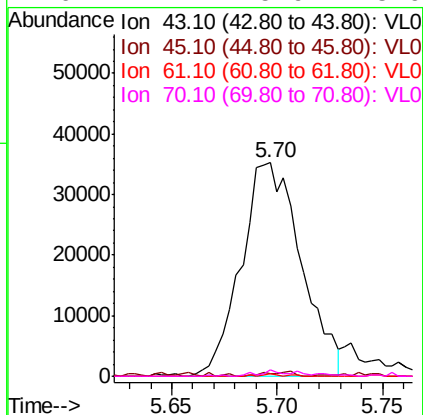
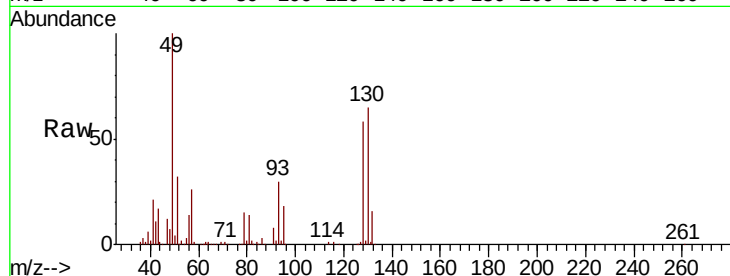
86 58.8 51.1 76.7





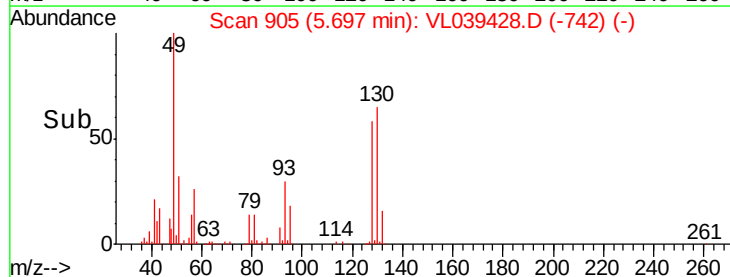
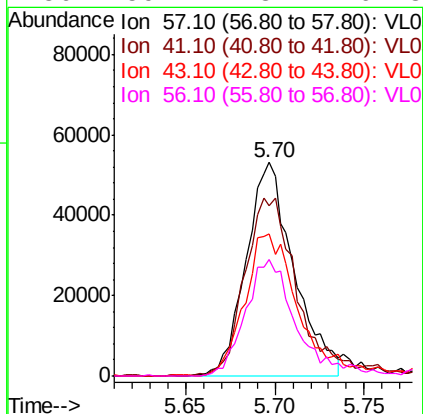
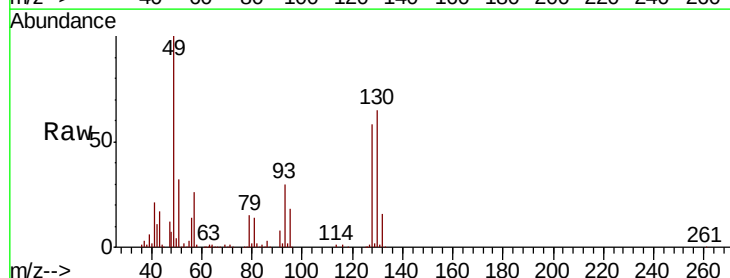
#25
Ethyl Acetate
Concen: 0.238 ppbv
RT: 5.70 min
Delta R.T. 0.03 min
Lab File: VL039428.D
Acq: 5 Jul 2022 20:55

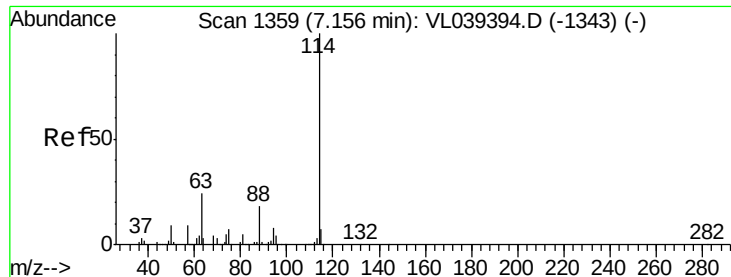
Tot Ion:	43	Resp:	69733
Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.2	12.4#
61	0.4	8.3	12.5#
70	2.1	5.9	8.9#



#26
Hexane
Concen: 0.842 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL039428.D
Acq: 5 Jul 2022 20:55

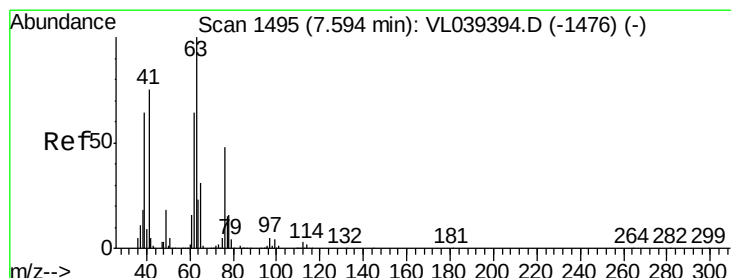
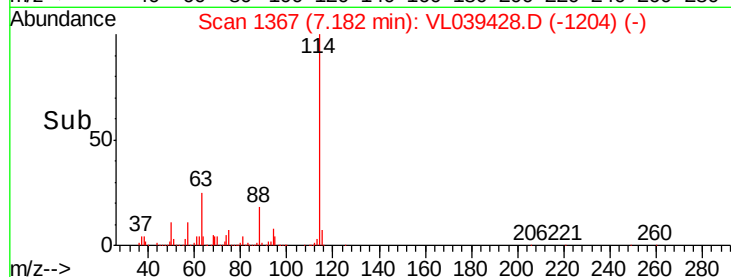
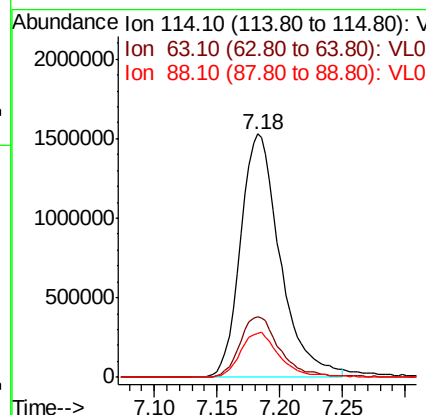
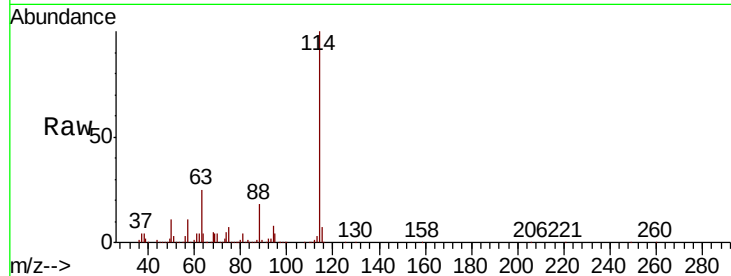
Tgt Ion:	57	Resp:	99332
Ion	Ratio	Lower	Upper
57	100		
41	93.4	76.9	115.3
43	78.3	191.0	286.6#
56	59.4	43.2	64.8





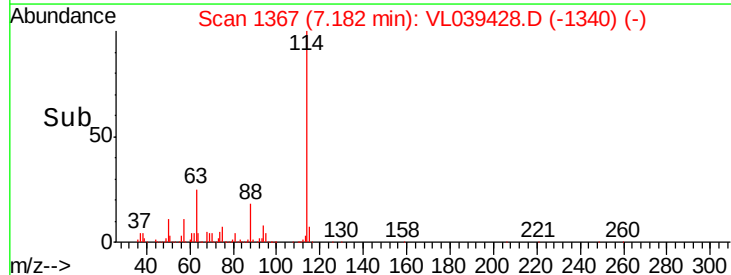
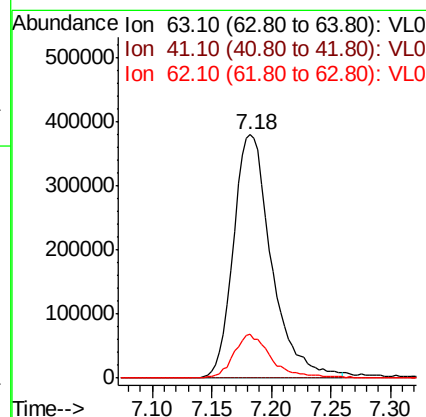
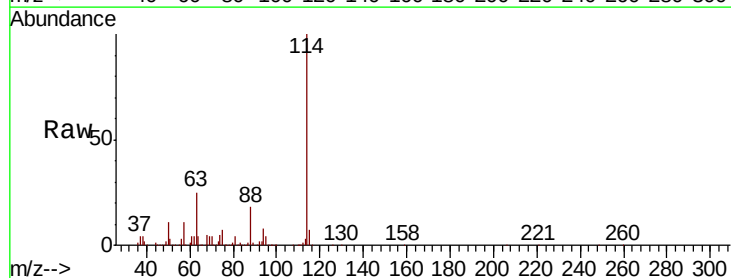
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Jul 2022 20:55

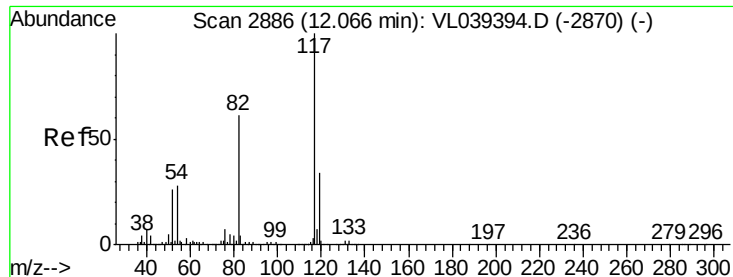
Tot Ion: 114 Resp: 3356539
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.2 30.4
 88 18.7 14.5 21.7



#39
 1,2-Dichloropropane
 Concen: 8.685 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T.: -0.41 min
 Lab File: VL039428.D
 Acq: 5 Jul 2022 20:55

Tgt Ion: 63 Resp: 842821
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.6 89.4#
 62 18.1 51.4 77.0#

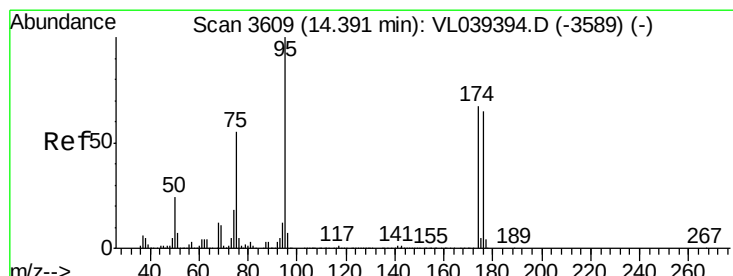
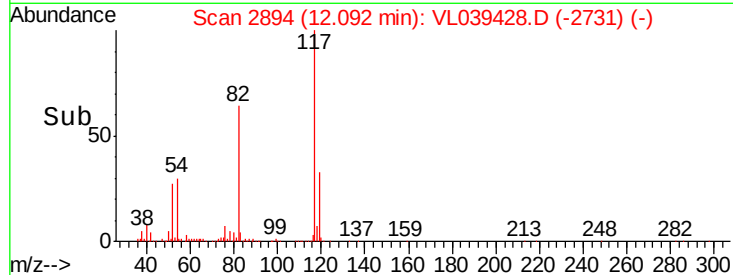
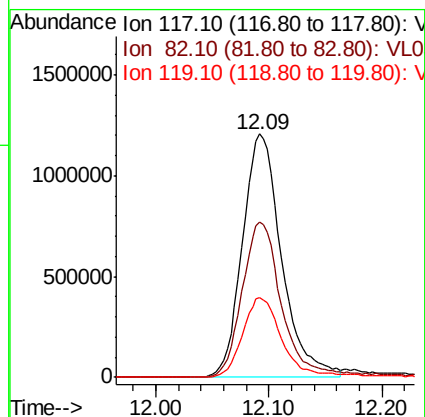
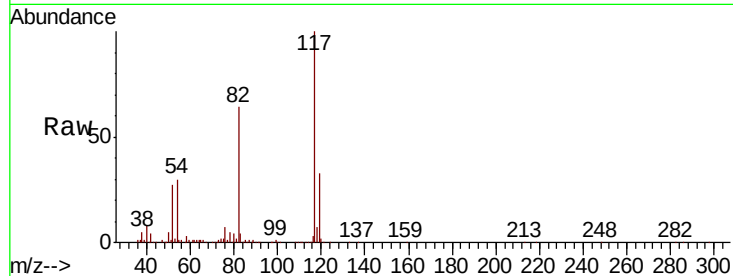




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 5 Jul 2022 20:55

Tot Ion: 117 Resp: 2906202

Ion	Ratio	Lower	Upper
117	100		
82	67.0	50.8	76.2
119	34.4	24.1	36.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.064 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T.: 0.03 min
 Lab File: VL039428.D
 Acq: 5 Jul 2022 20:55

Tgt Ion: 95 Resp: 2169725

Ion	Ratio	Lower	Upper
95	100		
174	71.6	55.9	83.9
175	5.1	4.2	6.4

