

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL038996.D
 Acq On : 9 May 2022 21:02
 Operator : SY/AP
 Sample : N2724-01DL 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: May 10 05:45:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1291110	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.15	114	3246230	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	2913421	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2229976	9.66	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

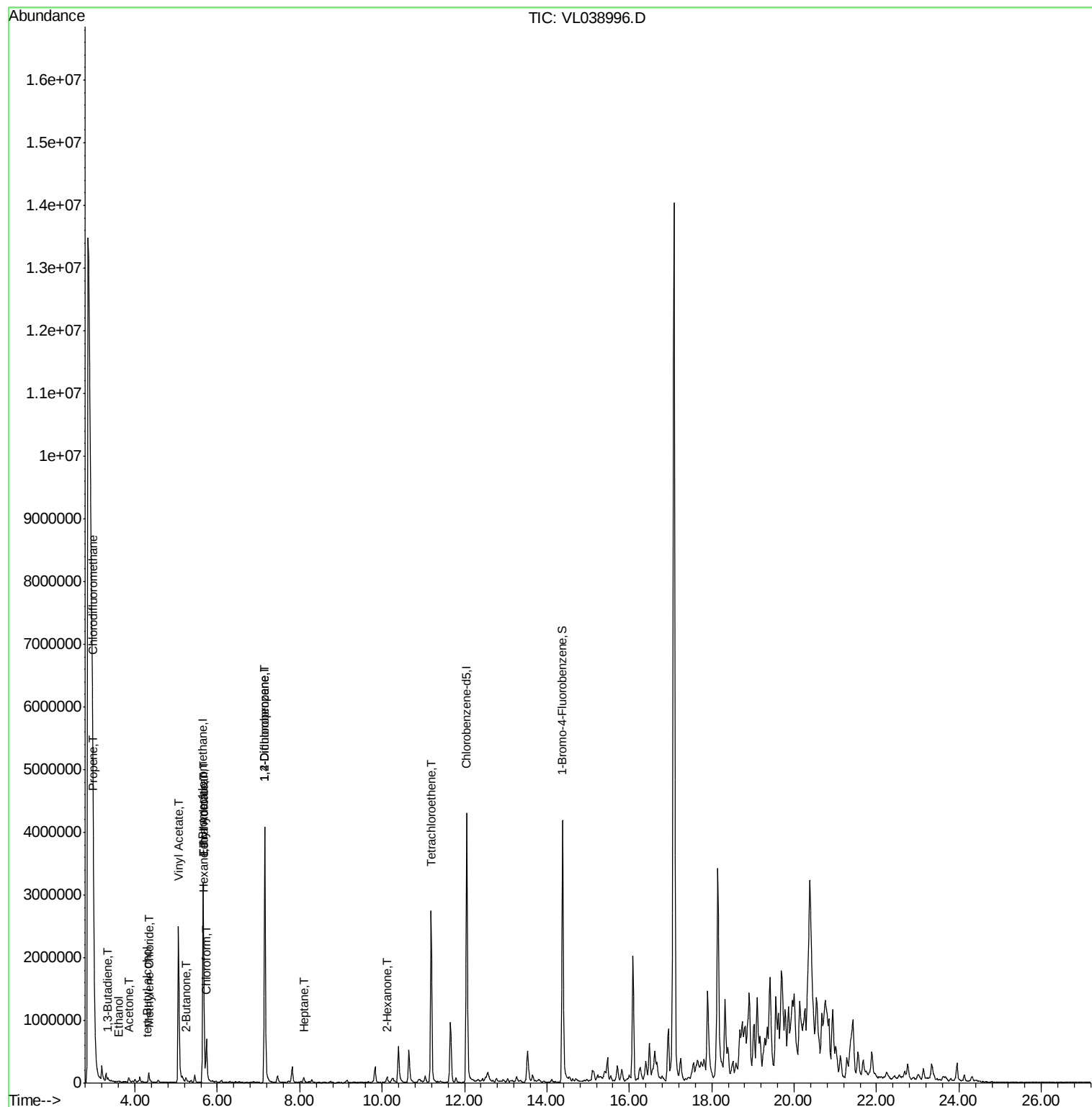
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	689934	4.306	ppbv	95
9) Propene	3.00	41	41628	0.595	ppbv #	69
10) Heptane	8.10	43	17766	0.104	ppbv #	1
13) Ethanol	3.60	45	4854	0.980	ppbv #	1
15) Acetone	3.85	43	78387	0.644	ppbv #	53
16) 1,3-Butadiene	3.34	39	2968	0.042	ppbv #	1
17) tert-Butyl alcohol	4.29	59	3257	0.035	ppbv	99
20) Methylene Chloride	4.34	84	58206	1.268	ppbv #	80
23) Vinyl Acetate	5.06	43	3793045	39.361	ppbv	99
25) Ethyl Acetate	5.67	43	114459	0.393	ppbv #	79
26) Hexane	5.67	57	326653	2.522	ppbv #	23
29) Chloroform	5.74	83	459932	2.195	ppbv	98
34) 2-Butanone	5.24	43	96065	0.580	ppbv	96
39) 1,2-Dichloropropane	7.15	63	824016	7.623	ppbv #	26
41) Tetrahydrofuran	5.67	42	178582	1.604	ppbv #	46
51) 2-Hexanone	10.11	43	32594	0.154	ppbv #	1
52) Tetrachloroethene	11.19	164	706623	7.118	ppbv	95

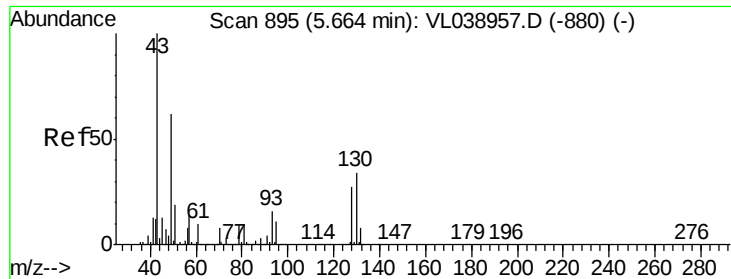
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050922\
Data File : VL038996.D
Acq On : 9 May 2022 21:02
Operator : SY/AP
Sample : N2724-01DL 5X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: May 10 05:45:35 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId: SV1DL

Acq: 9 May 2022 21:02

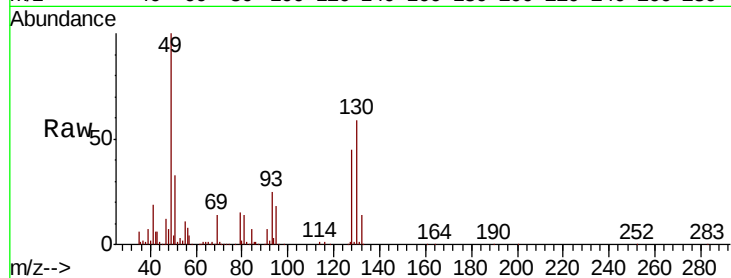
Tot Ion: 49 Resp: 1291110

Ion Ratio Lower Upper

49 100

128 47.9 23.3 69.8

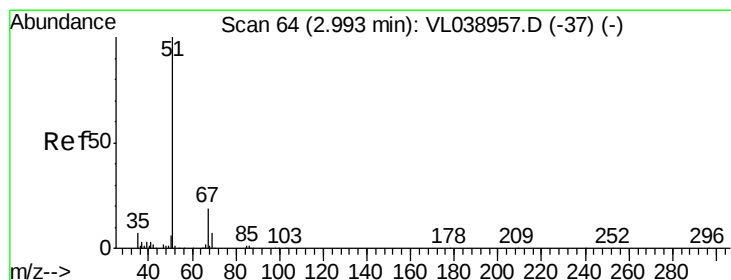
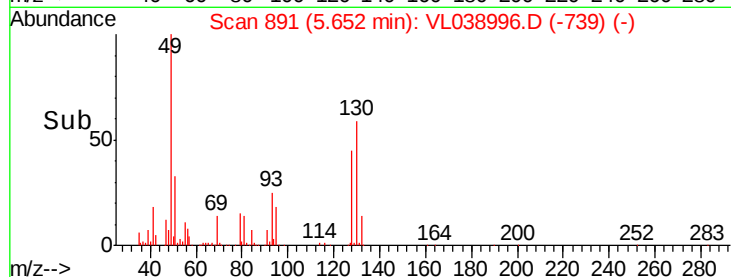
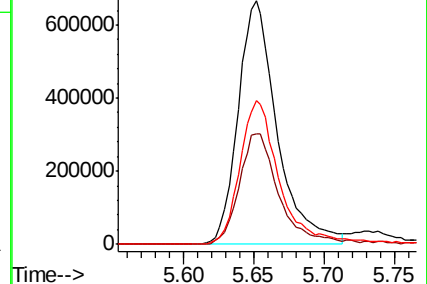
130 61.7 29.8 89.3



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



#3

Chlorodifluoromethane

Concen: 4.306 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL038996.D

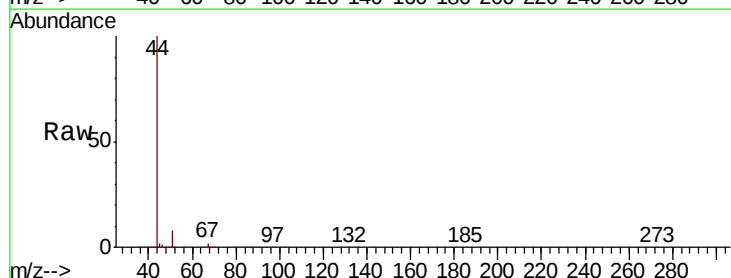
Acq: 9 May 2022 21:02

Tgt Ion: 51 Resp: 689934

Ion Ratio Lower Upper

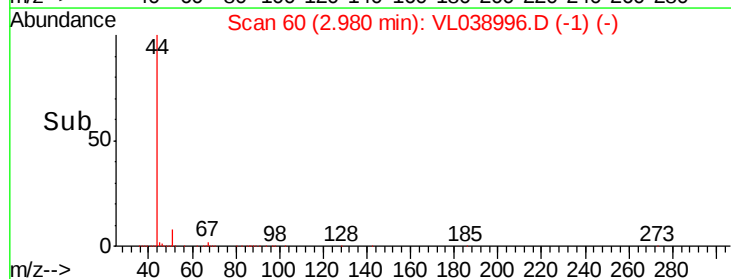
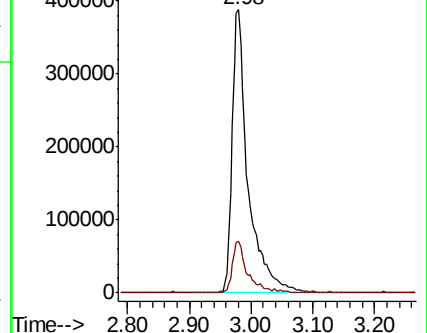
51 100

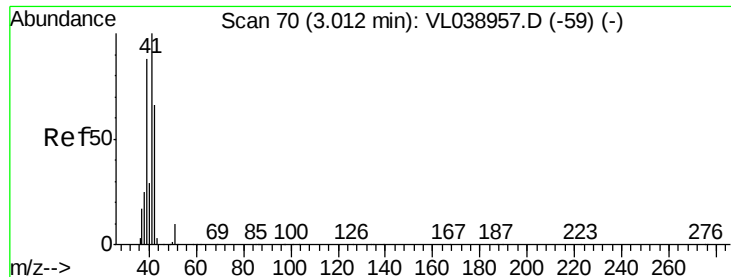
67 17.6 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

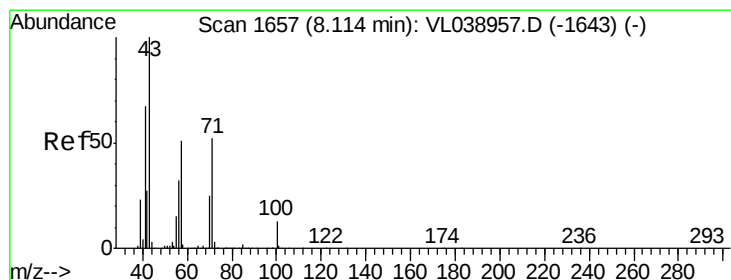
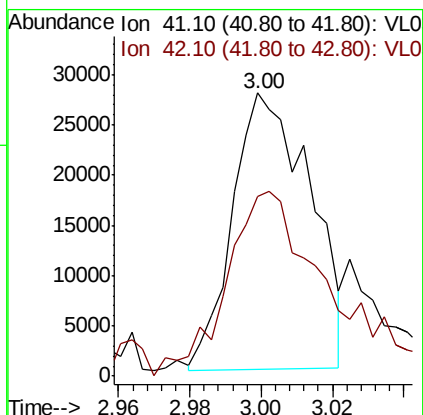
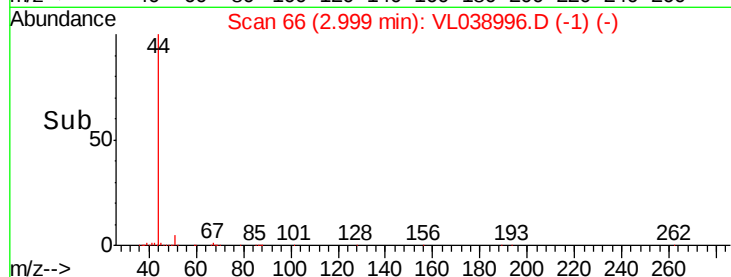
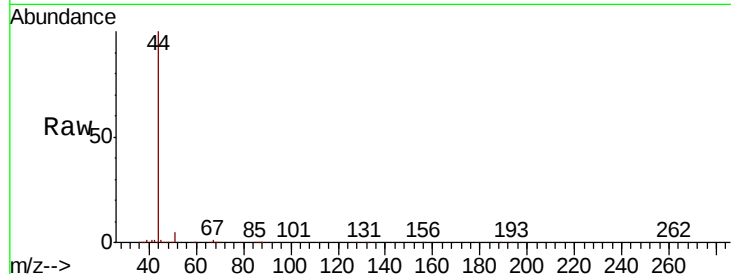
Ion 67.00 (66.70 to 67.70): VL0





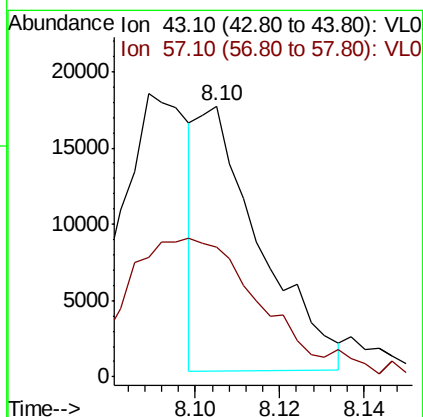
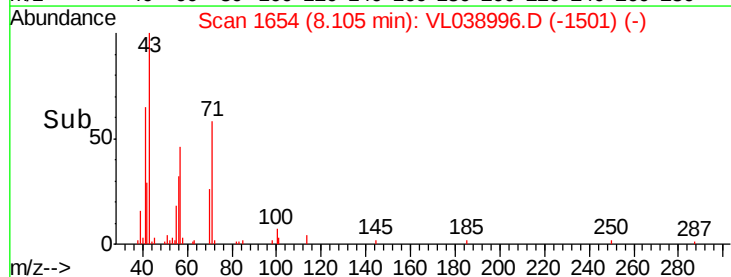
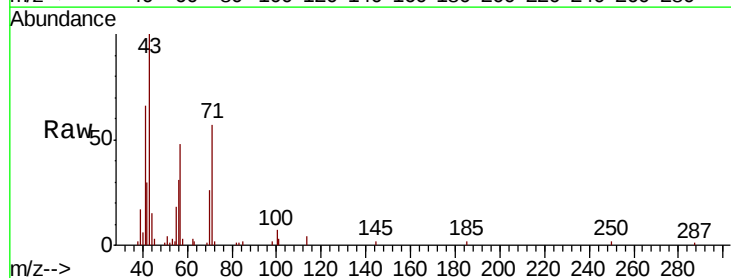
#9
 Propene
 Concen: 0.595 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 9 May 2022 21:02

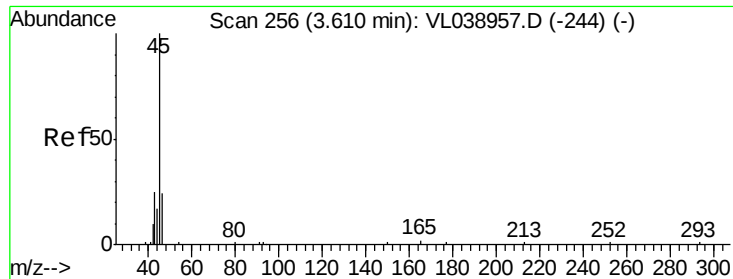
Tot Ion: 41 Resp: 41628
 Ion Ratio Lower Upper
 41 100
 42 98.5 58.3 87.5#



#10
 Heptane
 Concen: 0.104 ppbv
 RT: 8.10 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: VL038996.D
 Acq: 9 May 2022 21:02

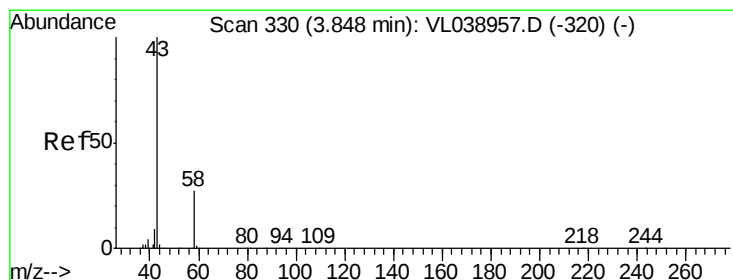
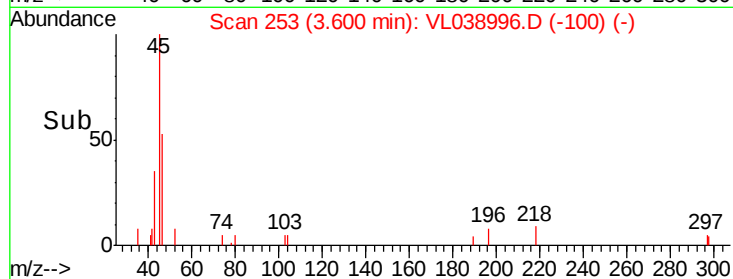
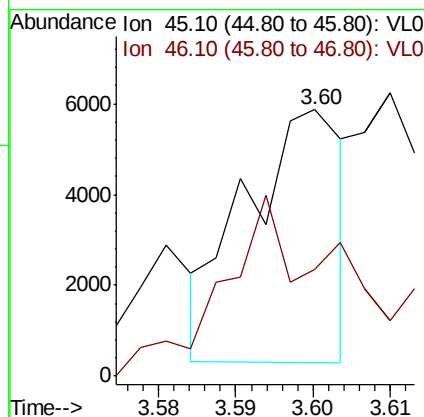
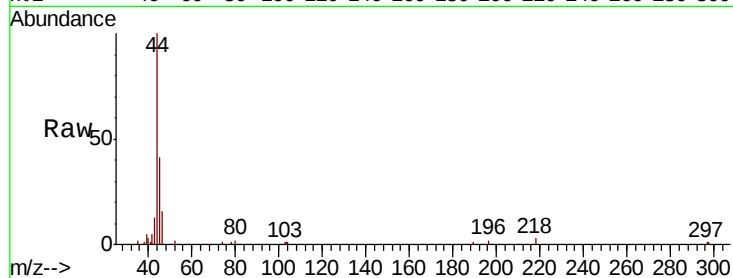
Tgt Ion: 43 Resp: 17766
 Ion Ratio Lower Upper
 43 100
 57 126.1 40.5 60.7#





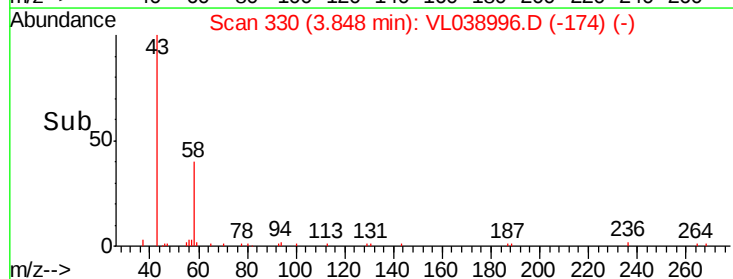
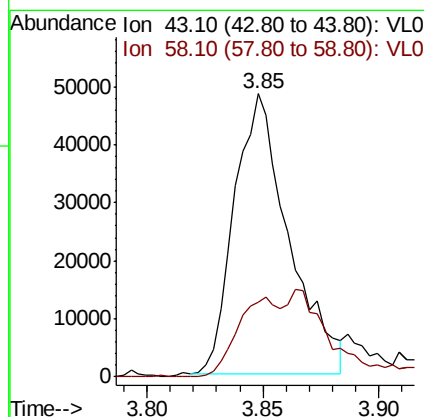
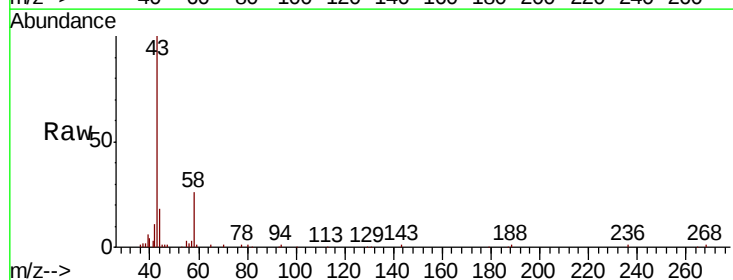
#13
Ethanol
Concen: 0.980 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1DL
Acq: 9 May 2022 21:02

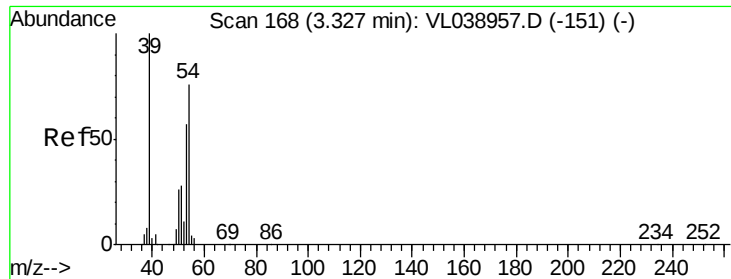
Tot Ion: 45 Resp: 4854
Ion Ratio Lower Upper
45 100
46 155.4 18.0 72.2#



#15
Acetone
Concen: 0.644 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL038996.D
Acq: 9 May 2022 21:02

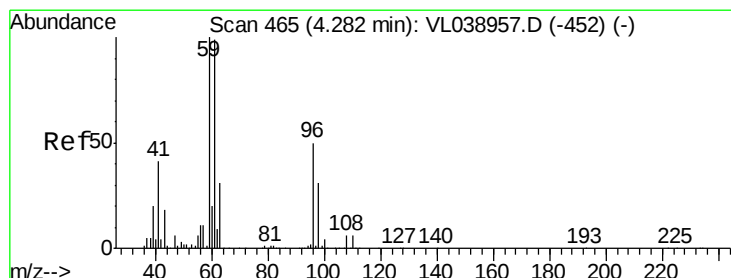
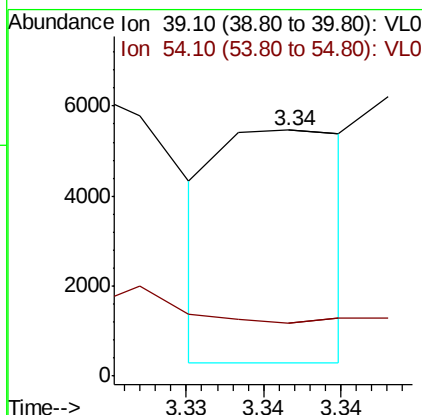
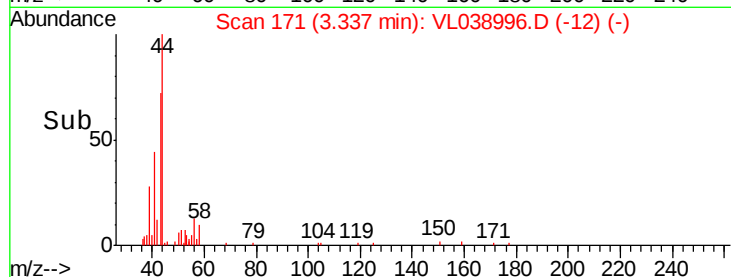
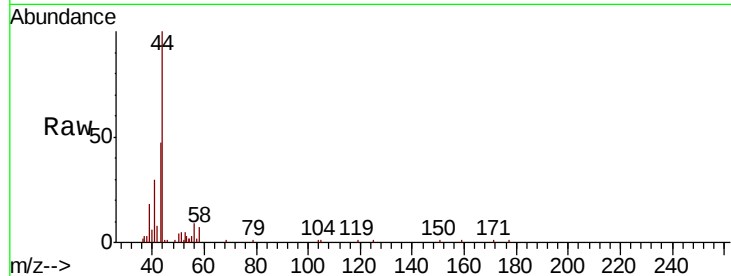
Tgt Ion: 43 Resp: 78387
Ion Ratio Lower Upper
43 100
58 50.5 21.3 31.9#





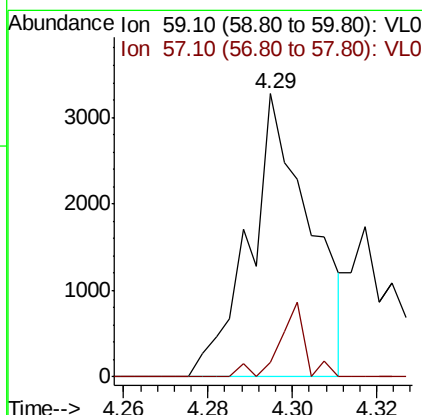
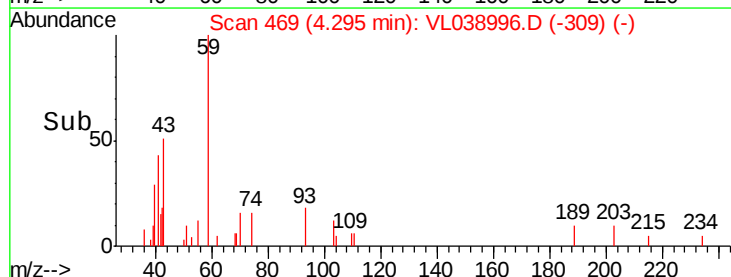
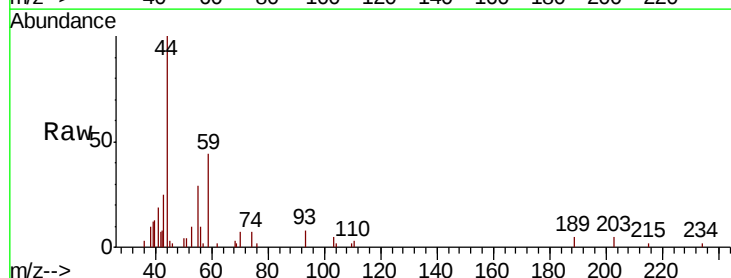
#16
 1,3-Butadiene
 Concen: 0.042 ppbv
 RT: 3.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 9 May 2022 21:02

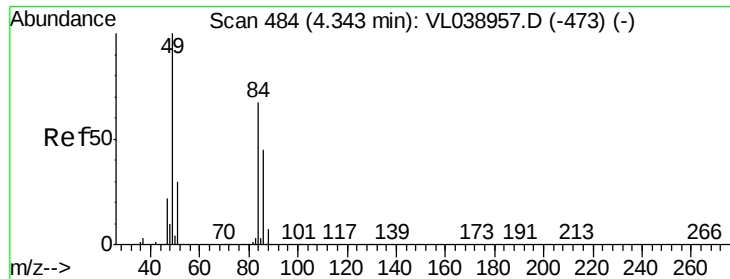
Tot Ion: 39 Resp: 2968
 Ion Ratio Lower Upper
 39 100
 54 247.4 65.2 97.8#



#17
 tert-Butyl alcohol
 Concen: 0.035 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL038996.D
 Acq: 9 May 2022 21:02

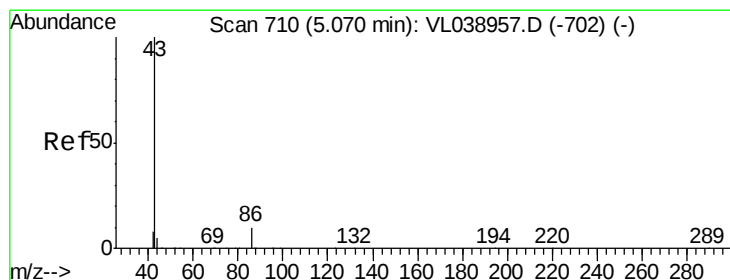
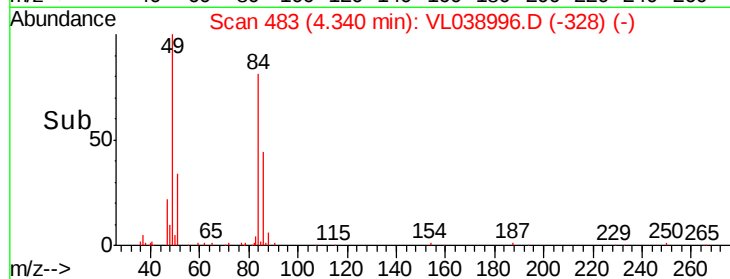
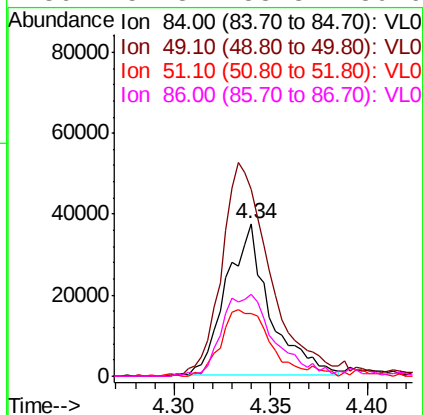
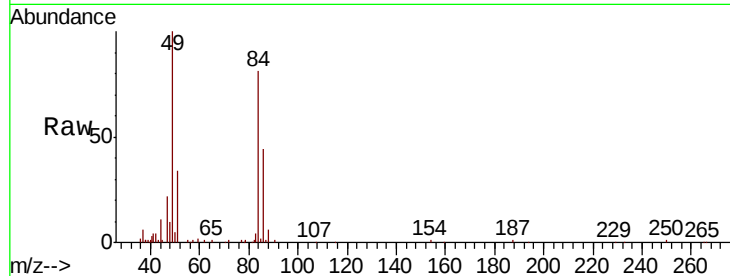
Tgt Ion: 59 Resp: 3257
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.2 13.8





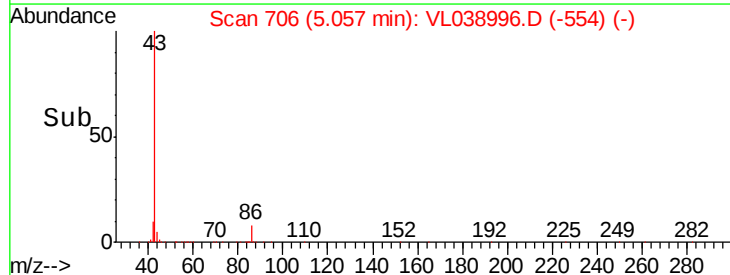
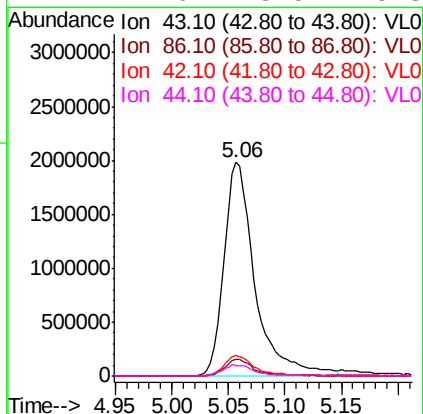
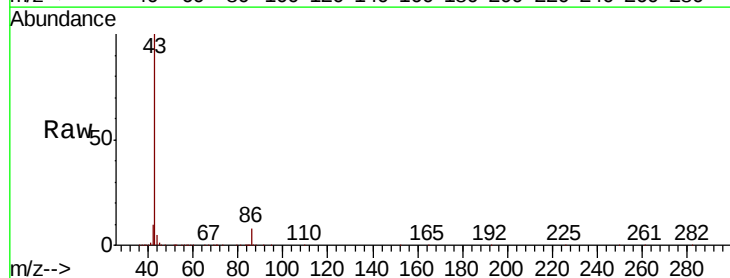
#20
Methvlene Chloride
Concen: 1.268 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 May 2022 21:02

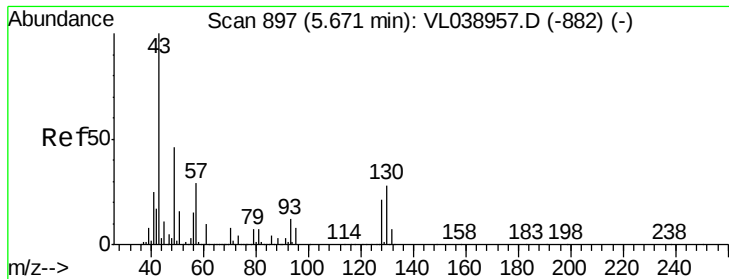
Tot Ion:	84	Resp:	58206
Ion	Ratio	Lower	Upper
84	100		
49	119.2	119.9	179.9#
51	41.7	35.7	53.5
86	51.8	53.8	80.6#



#23
Vinyl Acetate
Concen: 39.361 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.01 min
Lab File: VL038996.D
Acq: 9 May 2022 21:02

Tgt Ion:	43	Resp:	3793045
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.6	9.8
42	9.5	8.1	12.1
44	4.6	3.5	5.3





#25

Ethyl Acetate

Concen: 0.393 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 May 2022 21:02

Tot Ion: 43 Resp: 114459

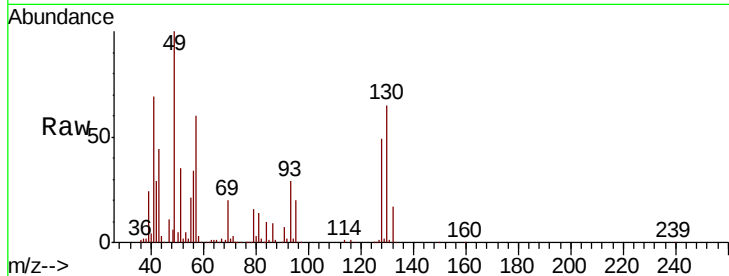
Ion Ratio Lower Upper

43 100

45 1.8 8.1 12.1#

61 2.2 7.8 11.6#

70 13.7 5.6 8.4#

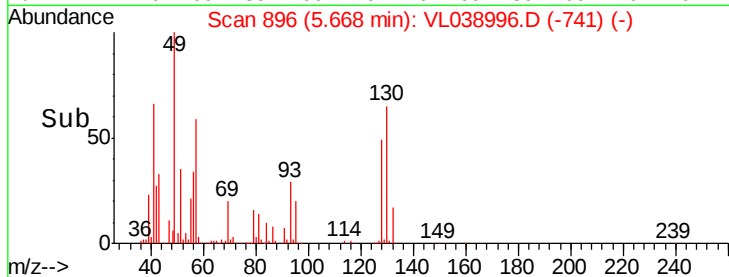
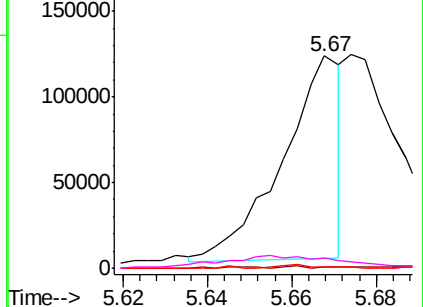


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 2.522 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL038996.D

Acq: 9 May 2022 21:02

Tgt Ion: 57 Resp: 326653

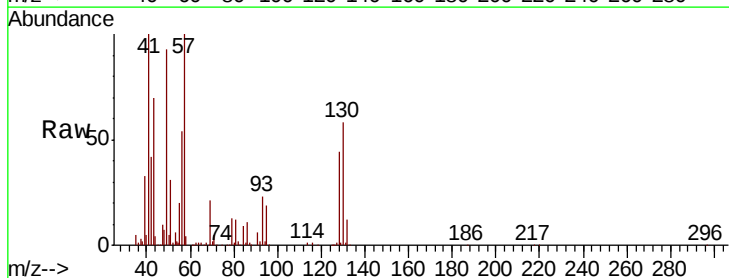
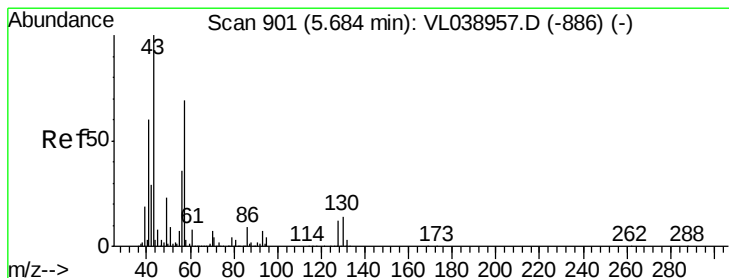
Ion Ratio Lower Upper

57 100

41 153.0 75.2 112.8#

43 79.7 190.8 286.2#

56 74.8 43.0 64.6#

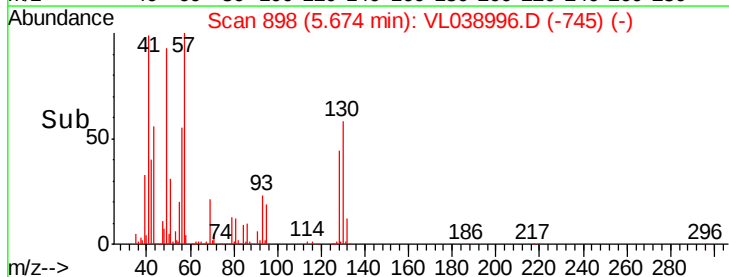
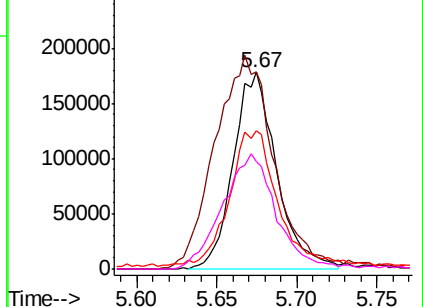


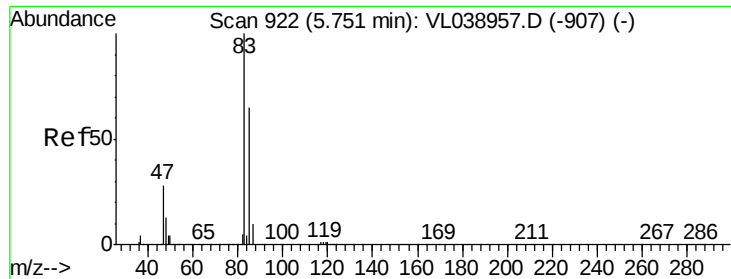
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#29

Chloroform

Concen: 2.195 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

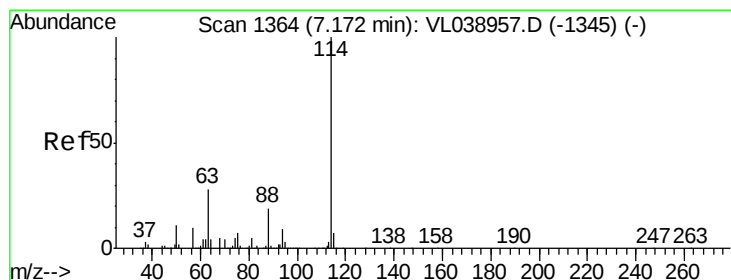
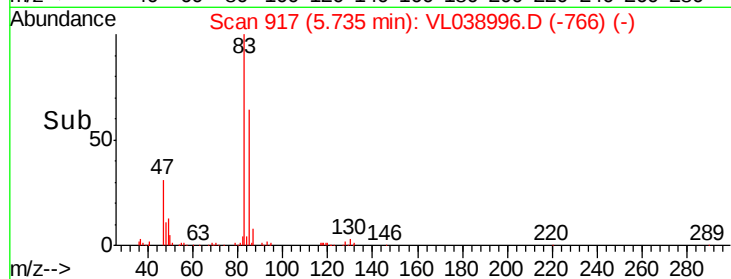
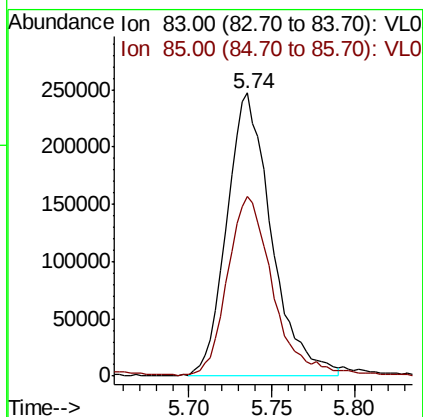
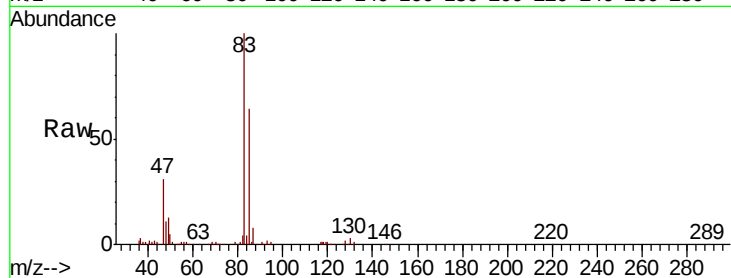
Acq: 9 May 2022 21:02 SV1DL

Tot Ion: 83 Resp: 459932

Ion Ratio Lower Upper

83 100

85 63.1 51.8 77.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VL038996.D

Acq: 9 May 2022 21:02

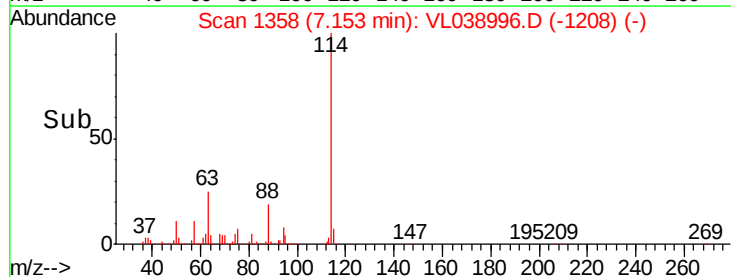
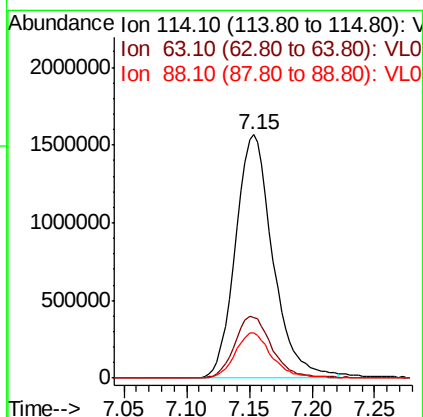
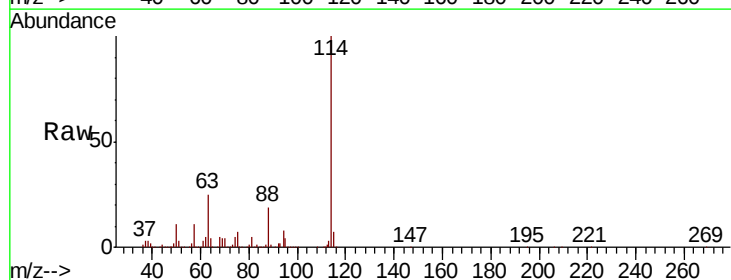
Tgt Ion: 114 Resp: 3246230

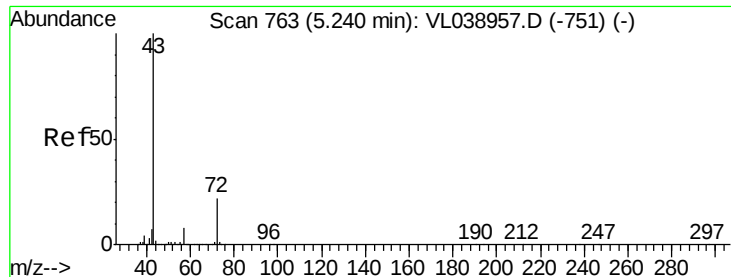
Ion Ratio Lower Upper

114 100

63 26.1 22.6 33.8

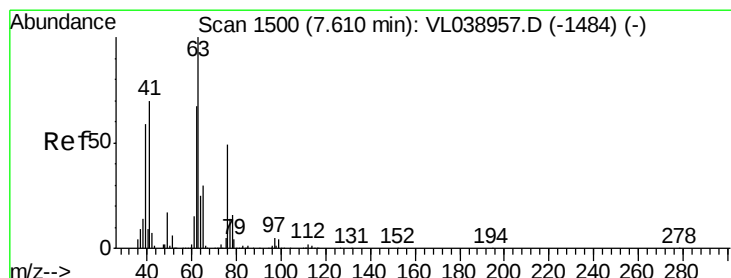
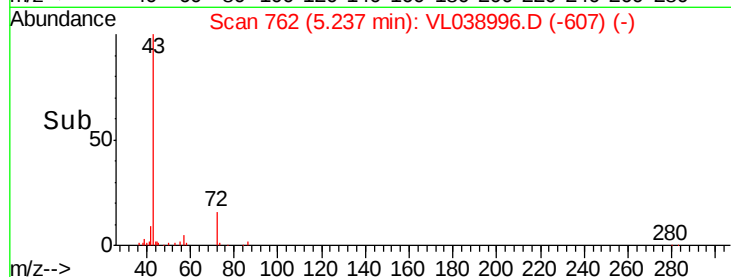
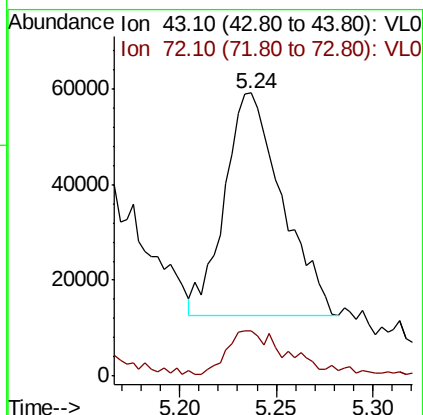
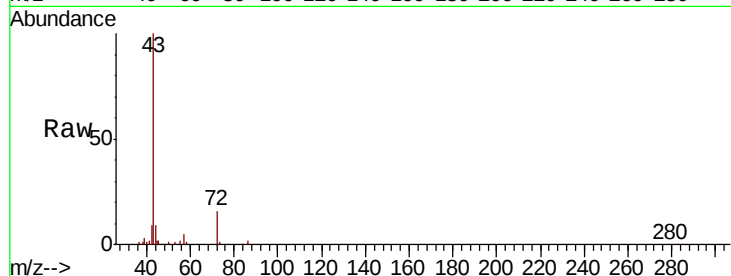
88 18.5 15.4 23.0





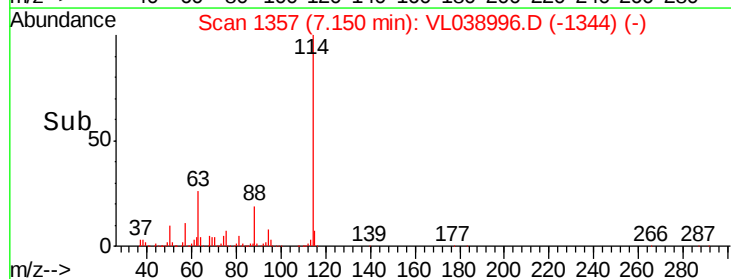
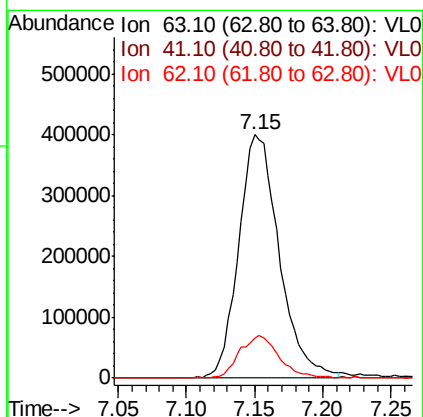
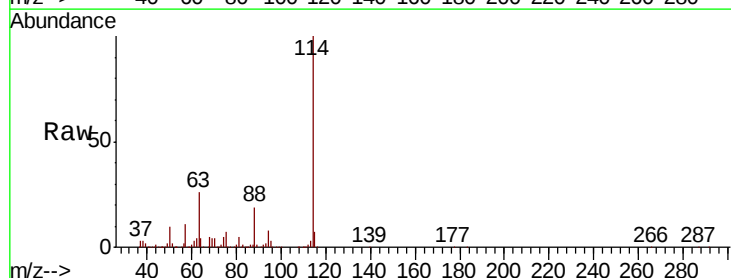
#34
 2-Butanone
 Concen: 0.580 ppbv
 RT: 5.24
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 9 May 2022 21:02

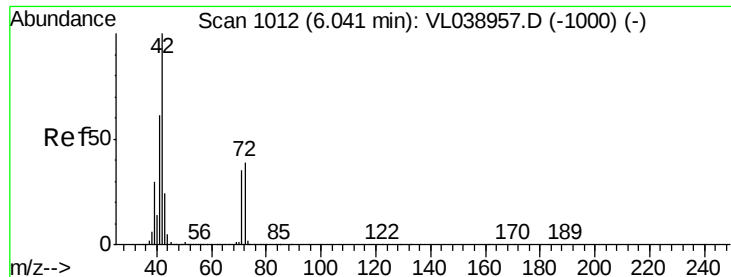
Tot Ion: 43 Resp: 96065
 Ion Ratio Lower Upper
 43 100
 72 24.1 17.8 26.6



#39
 1,2-Dichloropropane
 Concen: 7.623 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.46 min
 Lab File: VL038996.D
 Acq: 9 May 2022 21:02

Tgt Ion: 63 Resp: 824016
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.9 83.9#
 62 16.4 53.8 80.6#





#41

Tetrahydrofuran

Concen: 1.604 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 May 2022 21:02

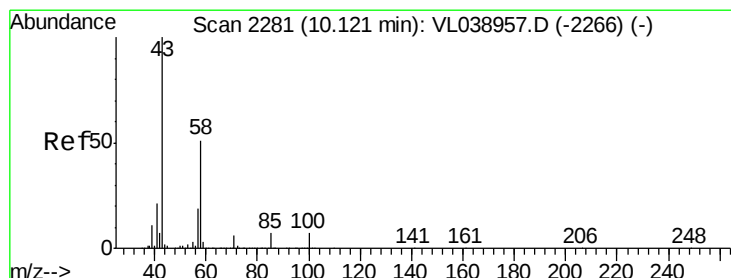
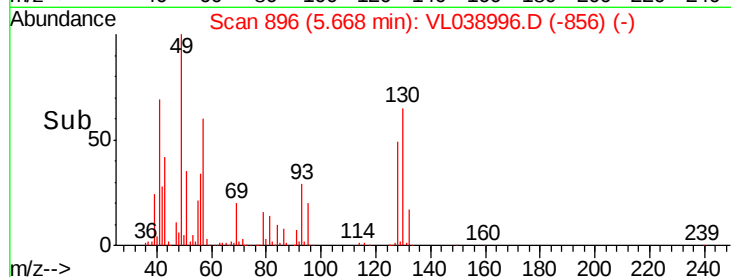
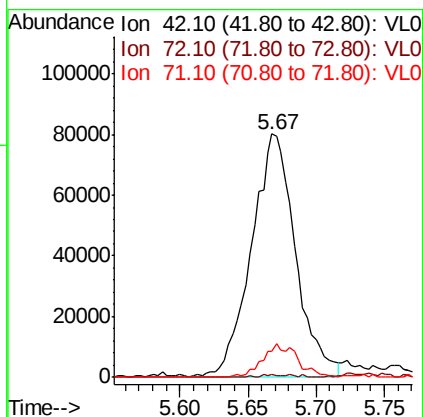
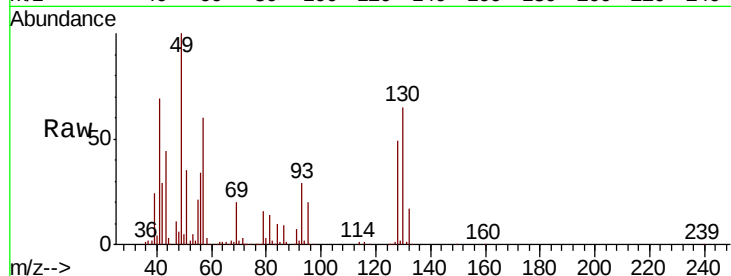
Tot Ion: 42 Resp: 178582

Ion Ratio Lower Upper

42 100

72 0.9 31.8 47.6#

71 11.7 30.6 45.8#



#51

2-Hexanone

Concen: 0.154 ppbv

RT: 10.11 min Scan# 2278

Delta R.T. -0.01 min

Lab File: VL038996.D

Acq: 9 May 2022 21:02

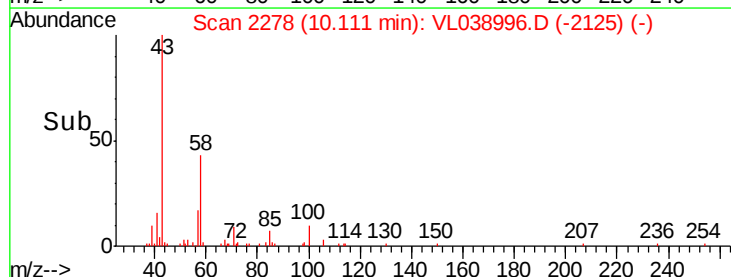
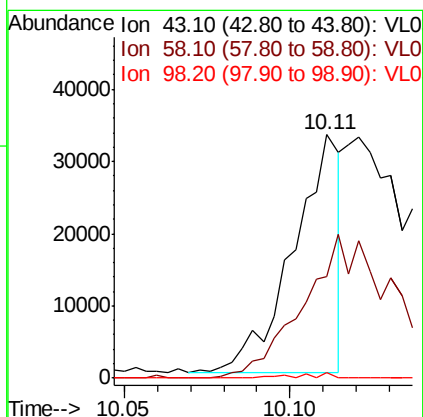
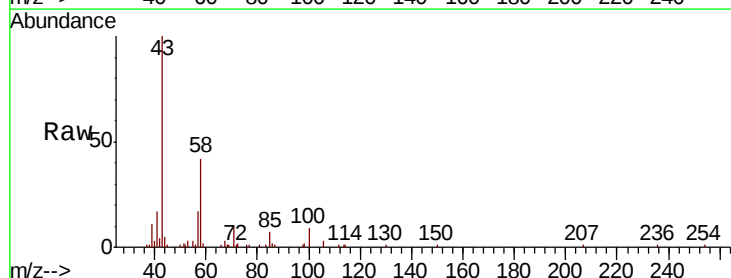
Tgt Ion: 43 Resp: 32594

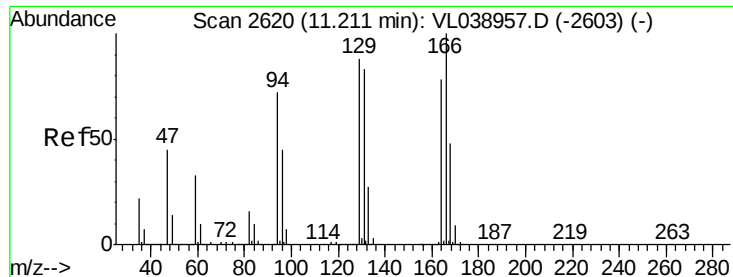
Ion Ratio Lower Upper

43 100

58 139.7 39.3 58.9#

98 1.3 0.2 0.2#





#52

Tetrachloroethene

Concen: 7.118 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 May 2022 21:02

Tot Ion:164 Resp: 706623

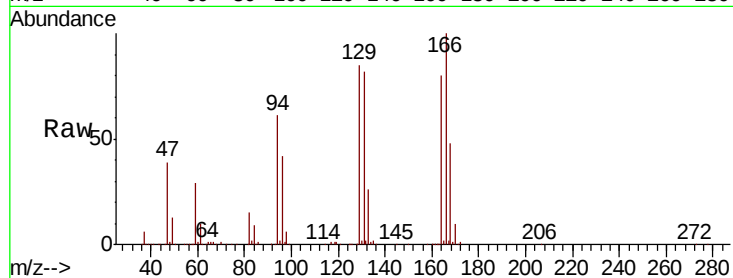
Ion Ratio Lower Upper

164 100

166 124.3 102.5 153.7

129 105.2 90.1 135.1

131 102.1 84.8 127.2

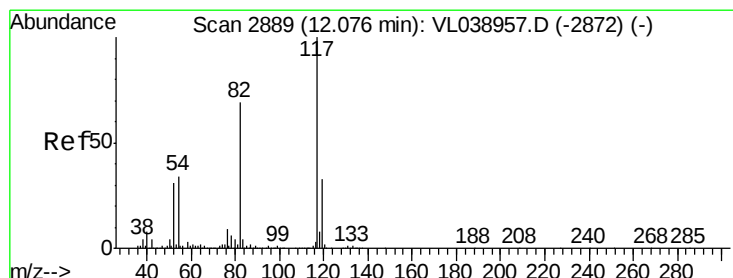
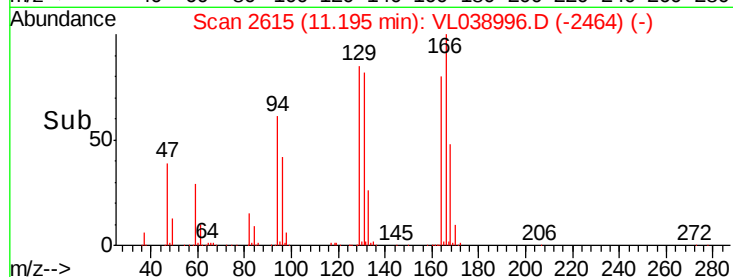
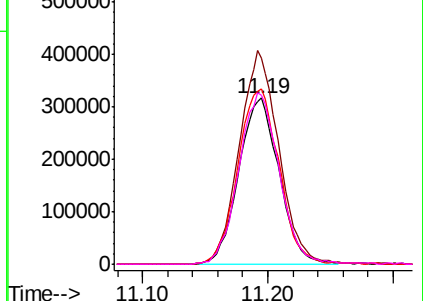


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2882

Delta R.T. -0.02 min

Lab File: VL038996.D

Acq: 9 May 2022 21:02

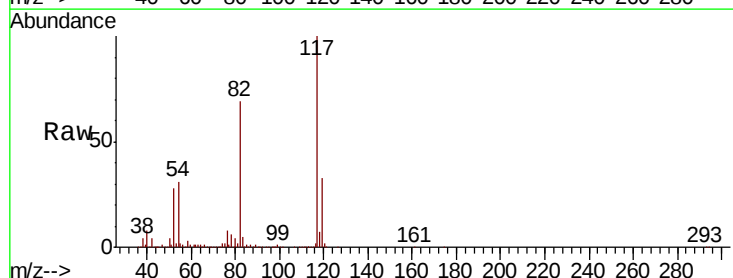
Tgt Ion:117 Resp: 2913421

Ion Ratio Lower Upper

117 100

82 68.0 57.0 85.6

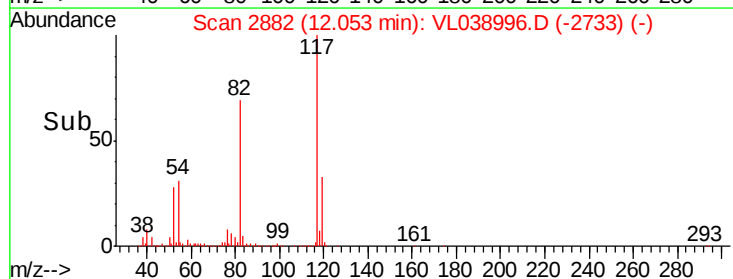
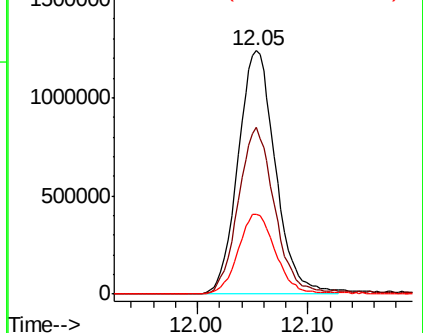
119 33.6 27.2 40.8

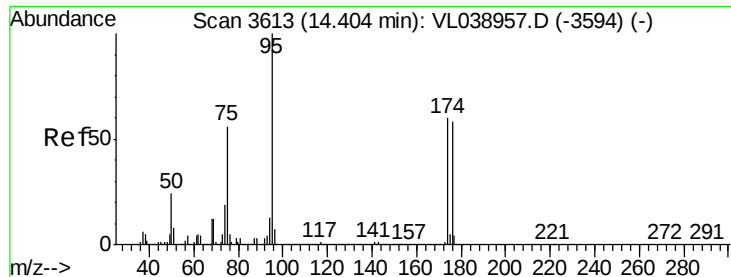


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.665 ppbv

RT: 14.38 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV1DL

Acq: 9 May 2022 21:02

Tot Ion: 95 Resp: 2229976

Ion Ratio Lower Upper

95 100

174 64.4 50.8 76.2

175 4.7 3.8 5.6

