

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
 Data File : VL037998.D
 Acq On : 10 Nov 2021 3:20
 Operator : SY/AP
 Sample : M4597-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 10 04:51:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1378552	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4006982	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3371394	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2248989	9.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.80%

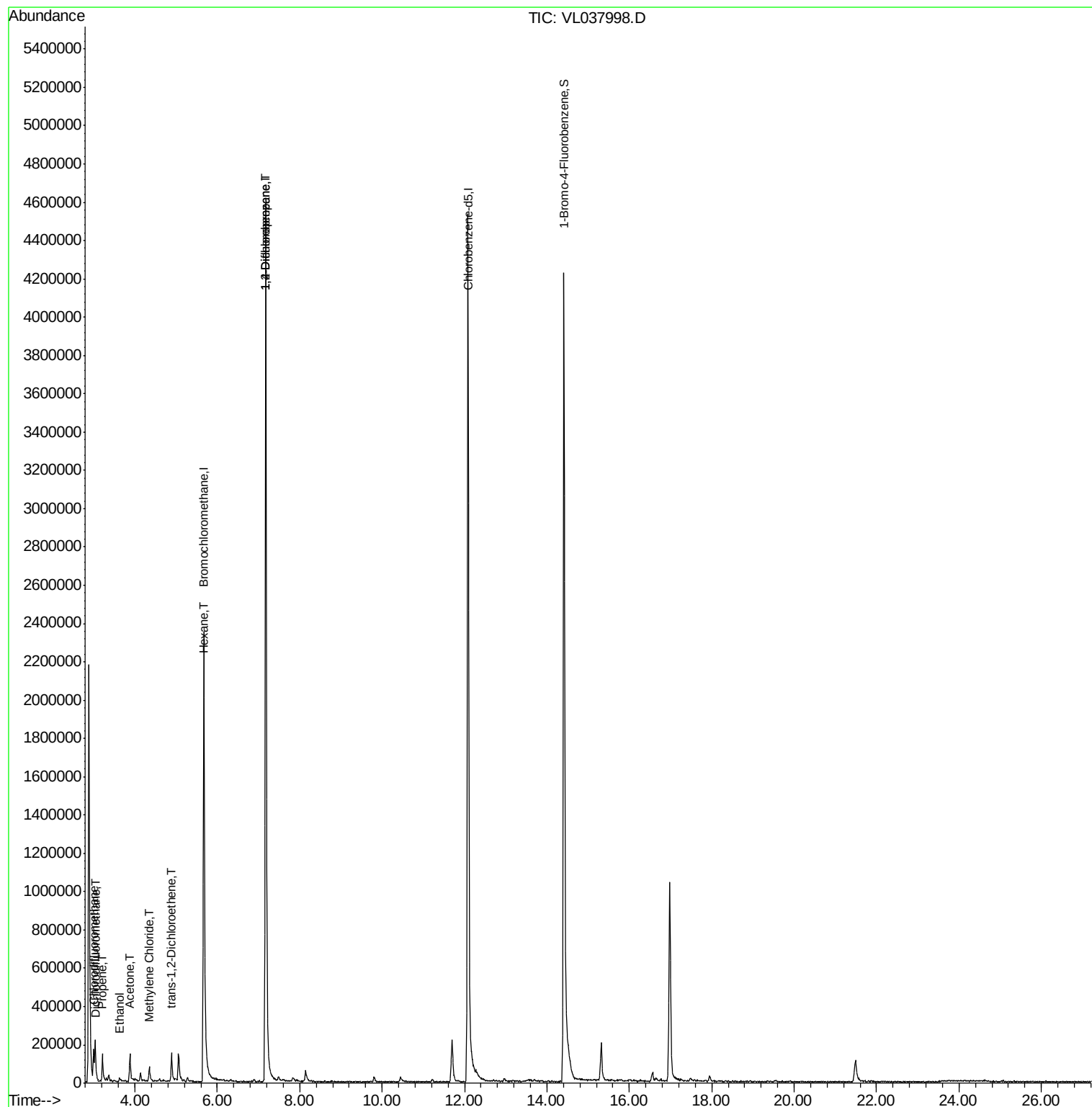
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	8533	0.044	ppbv	99
3) Chlorodifluoromethane	3.00	51	272908	1.063	ppbv #	90
9) Propene	3.21	41	45128	0.490	ppbv	91
13) Ethanol	3.62	45	3258	0.351	ppbv #	32
15) Acetone	3.88	43	93703	0.823	ppbv	95
20) Methylene Chloride	4.35	84	18978	0.303	ppbv #	92
22) trans-1,2-Dichloroethene	4.89	96	51565	0.748	ppbv	89
26) Hexane	5.69	57	10216	0.064	ppbv #	52
39) 1,2-Dichloropropane	7.17	63	950433	7.741	ppbv #	27

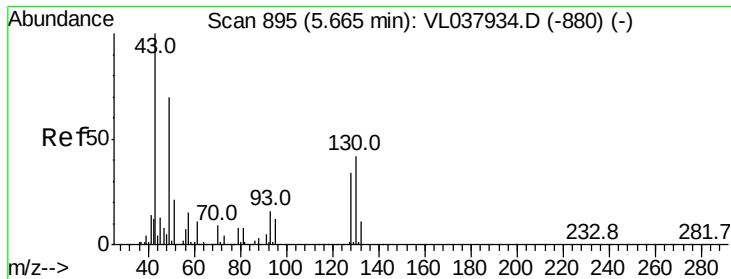
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 3:20

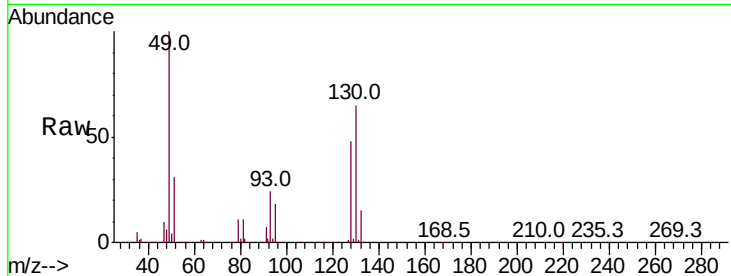
Tot Ion: 49 Resp: 1378552

Ion Ratio Lower Upper

49 100

128 53.7 27.0 81.0

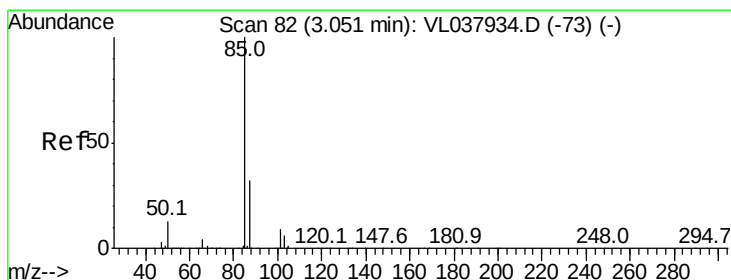
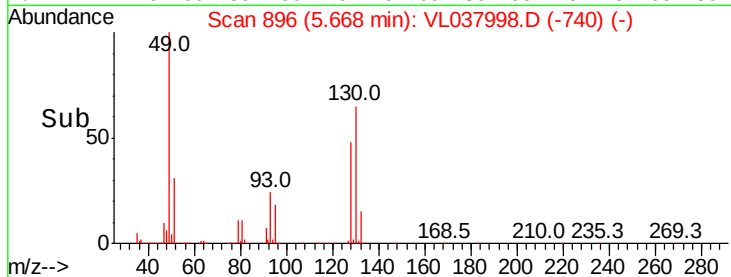
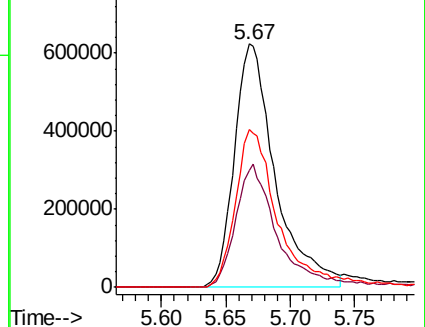
130 69.6 33.4 100.2



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: 0.044 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037998.D

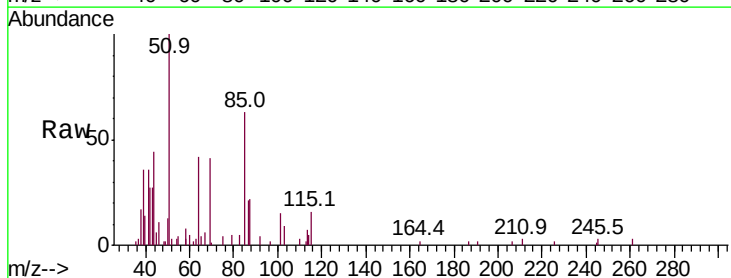
Acq: 10 Nov 2021 3:20

Tgt Ion: 85 Resp: 8533

Ion Ratio Lower Upper

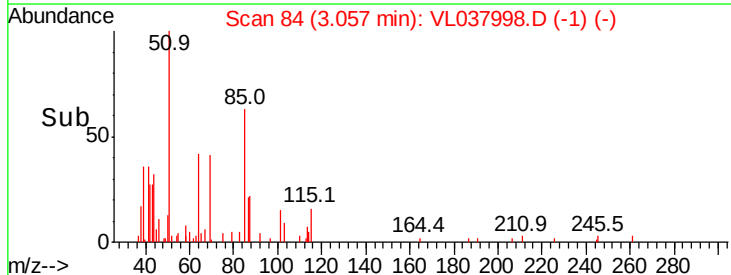
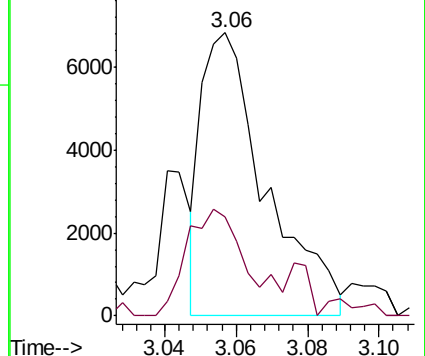
85 100

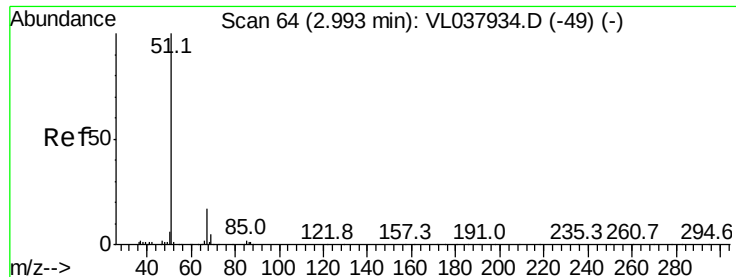
87 31.2 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.063 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

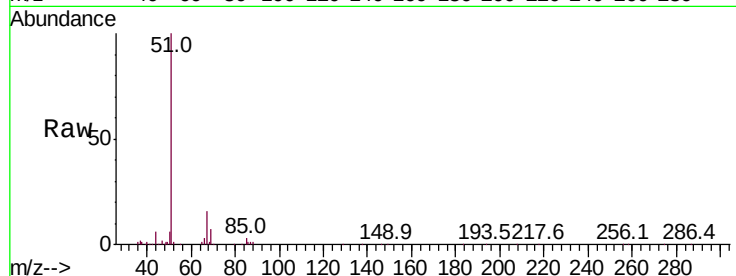
Acq: 10 Nov 2021 3:20

Tot Ion: 51 Resp: 272908

Ion Ratio Lower Upper

51 100

67 12.4 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.00

120000

100000

80000

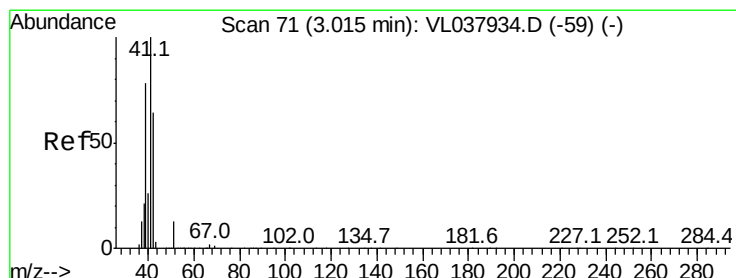
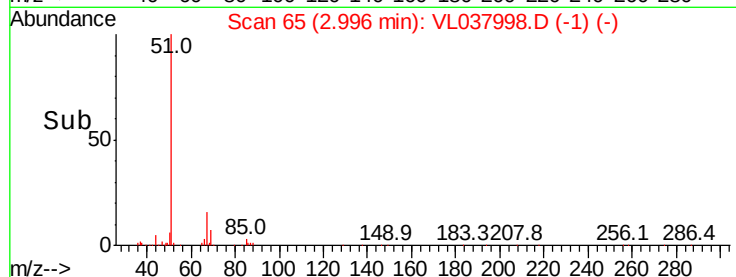
60000

40000

20000

0

Time-->



#9

Propene

Concen: 0.490 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.19 min

Lab File: VL037998.D

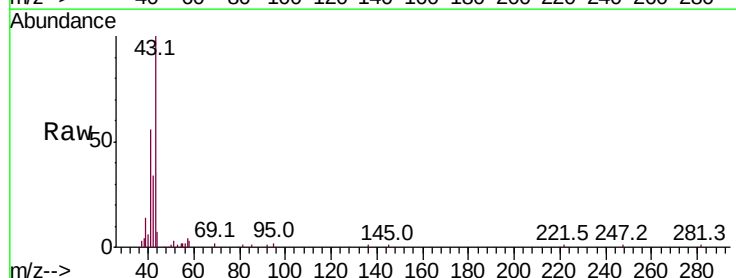
Acq: 10 Nov 2021 3:20

Tgt Ion: 41 Resp: 45128

Ion Ratio Lower Upper

41 100

42 79.4 57.6 86.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.21

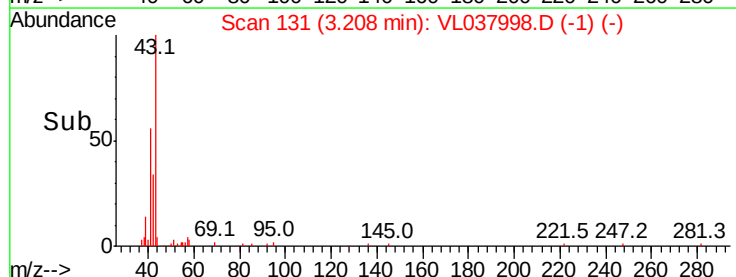
30000

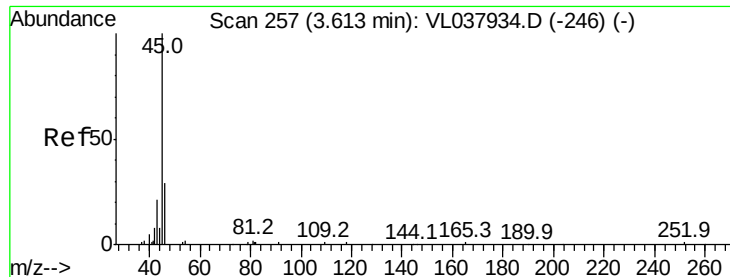
20000

10000

0

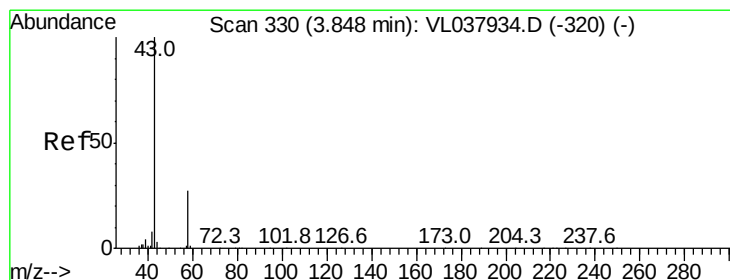
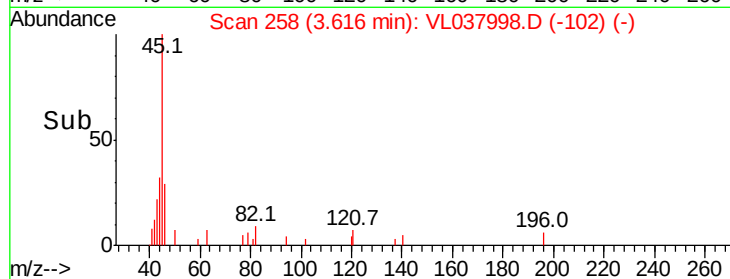
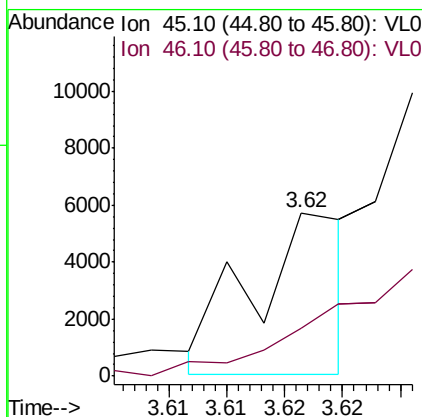
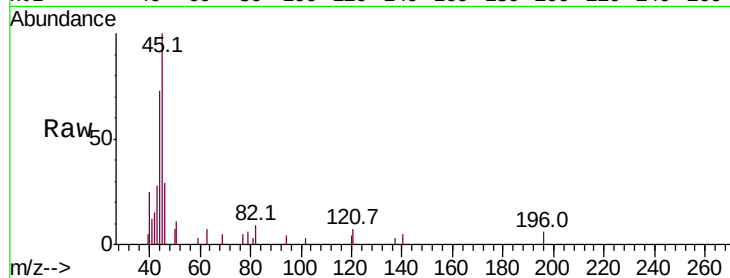
Time-->





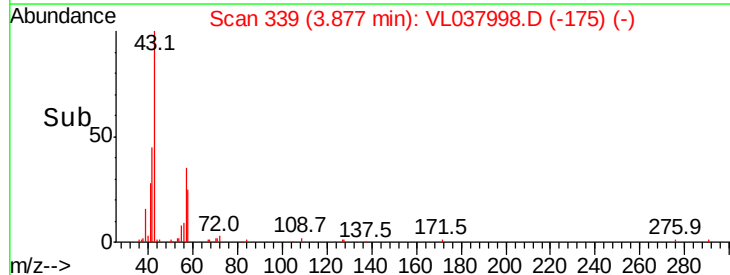
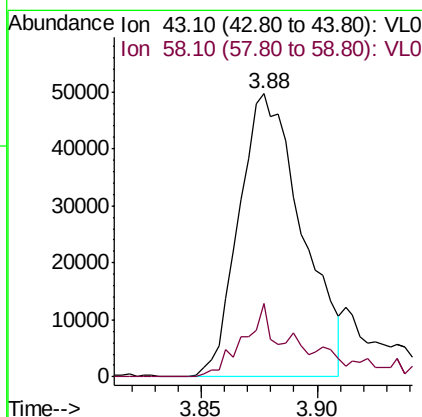
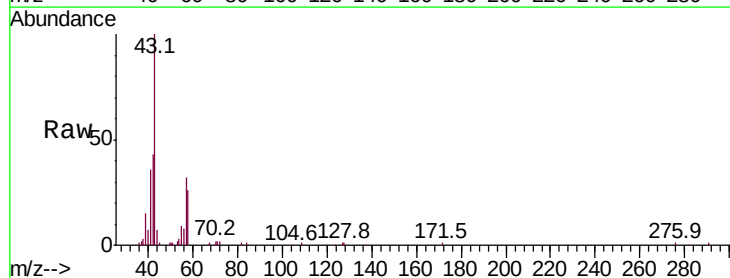
#13
 Ethanol
 Concen: 0.351 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 3:20

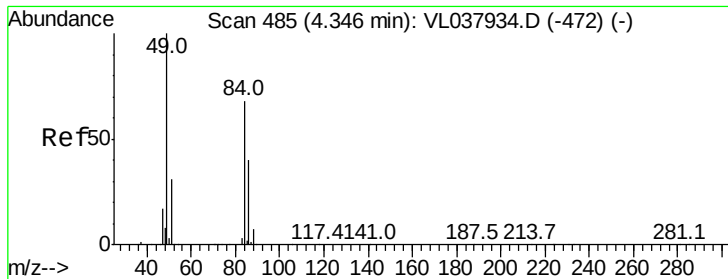
Tot Ion: 45 Resp: 3258
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.4 69.8#



#15
 Acetone
 Concen: 0.823 ppbv
 RT: 3.88 min Scan# 339
 Delta R.T. 0.03 min
 Lab File: VL037998.D
 Acq: 10 Nov 2021 3:20

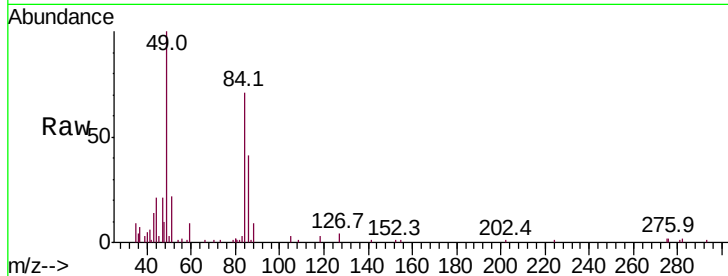
Tgt Ion: 43 Resp: 93703
 Ion Ratio Lower Upper
 43 100
 58 26.2 23.3 34.9



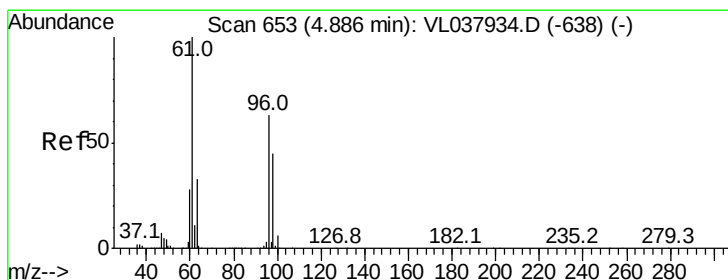
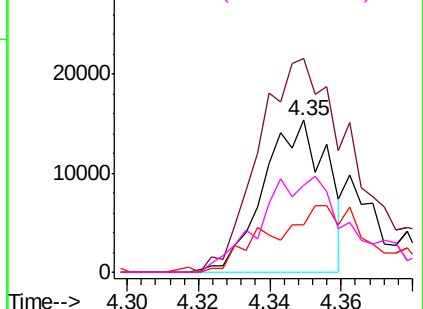
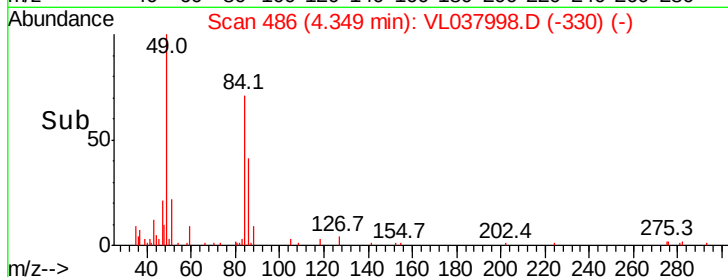


#20
Methylene Chloride
Concen: 0.303 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 3:20

Tot Ion:	84	Resp:	18978
Ion	Ratio	Lower	Upper
84	100		
49	140.8	117.5	176.3
51	27.9	35.9	53.9#
86	57.3	47.3	70.9

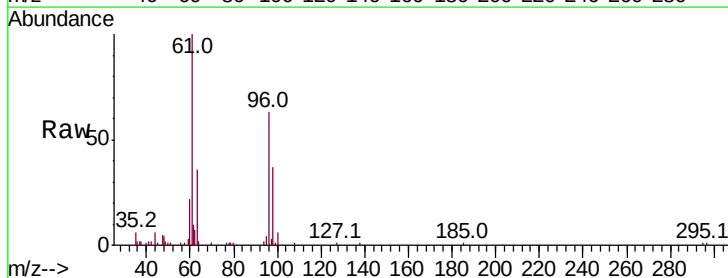


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

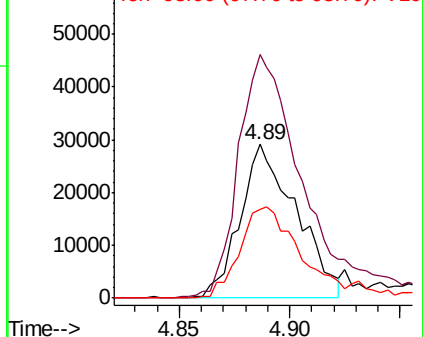
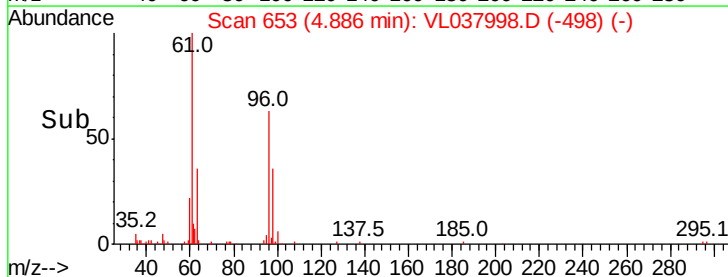


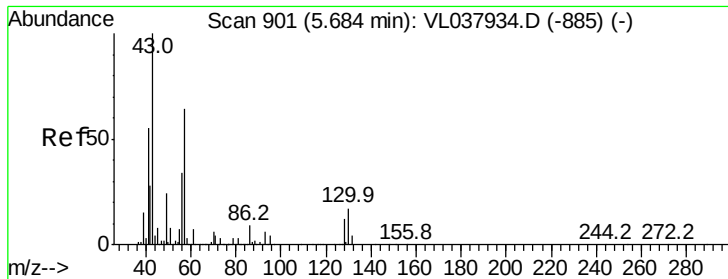
#22
trans-1,2-Dichloroethene
Concen: 0.748 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.00 min
Lab File: VL037998.D
Acq: 10 Nov 2021 3:20

Tgt Ion:	96	Resp:	51565
Ion	Ratio	Lower	Upper
96	100		
61	172.1	127.8	191.6
98	58.1	56.9	85.3



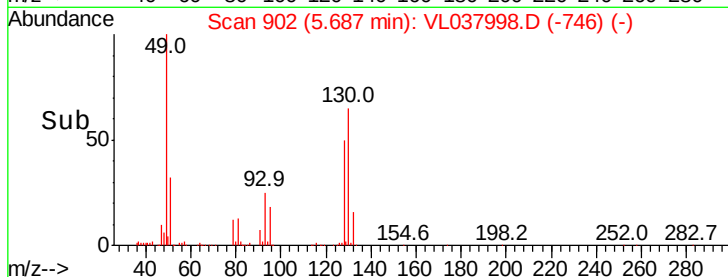
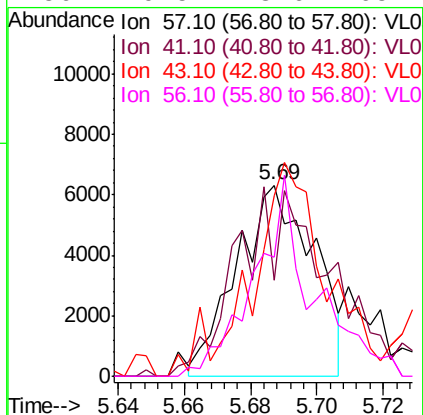
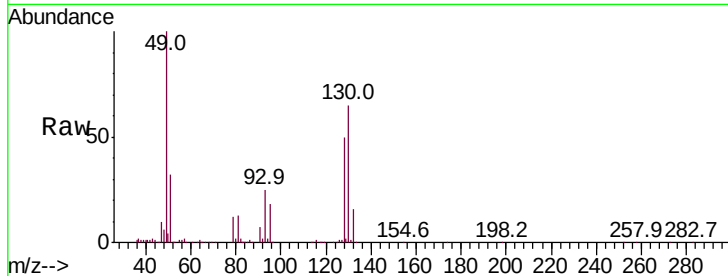
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





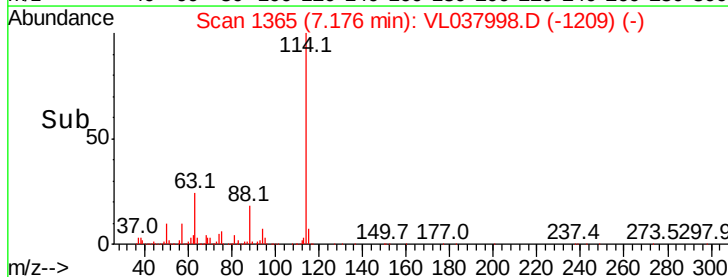
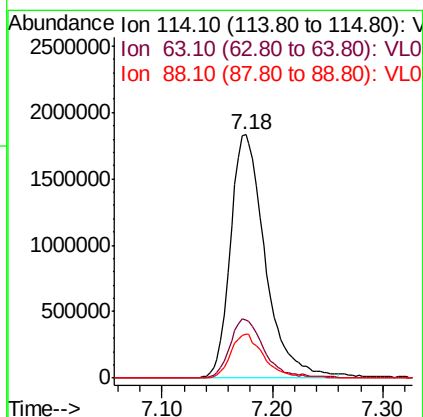
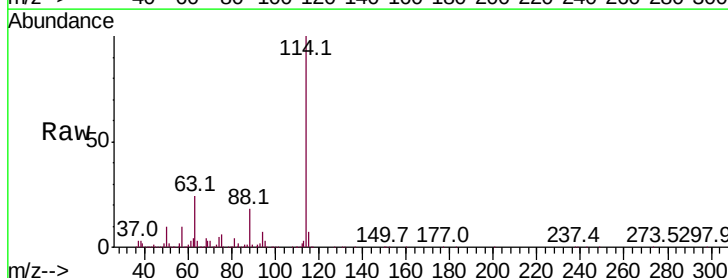
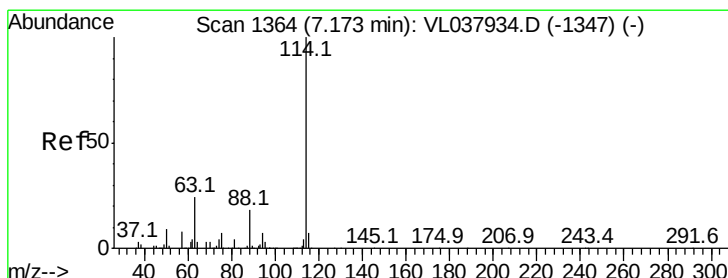
#26
Hexane
Concen: 0.064 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 3:20

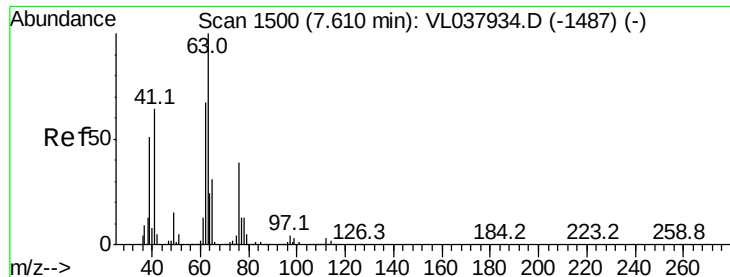
Tot Ion	57	Resp	10216
Ion	Ratio	Lower	Upper
57	100		
41	123.3	71.0	106.6#
43	127.3	173.0	259.6#
56	79.5	43.6	65.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T.: 0.00 min
Lab File: VL037998.D
Acq: 10 Nov 2021 3:20

Tgt Ion	114	Resp	4006982
Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.4	29.0
88	17.9	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.741 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 Nov 2021 3:20

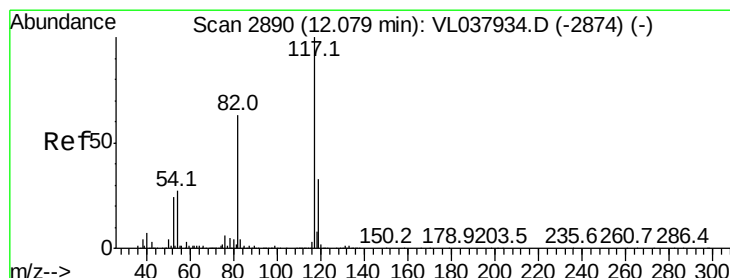
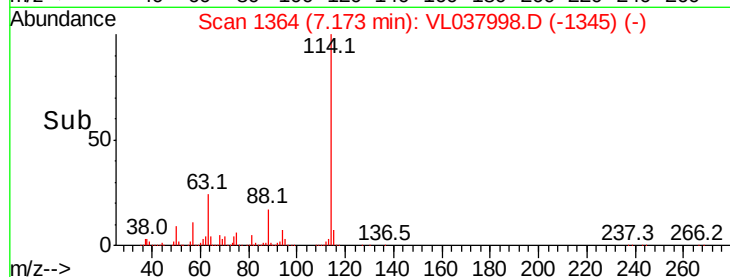
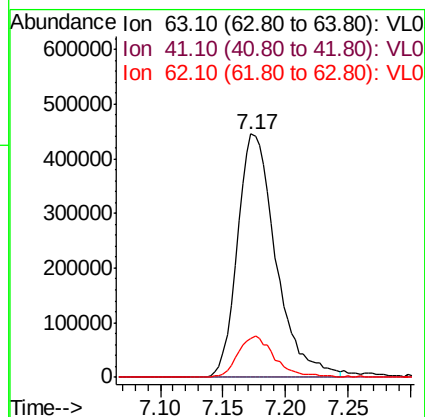
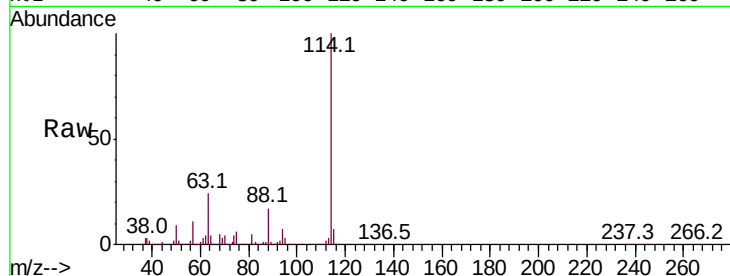
Tot Ion: 63 Resp: 950433

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 16.2 53.5 80.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.01 min

Lab File: VL037998.D

Acq: 10 Nov 2021 3:20

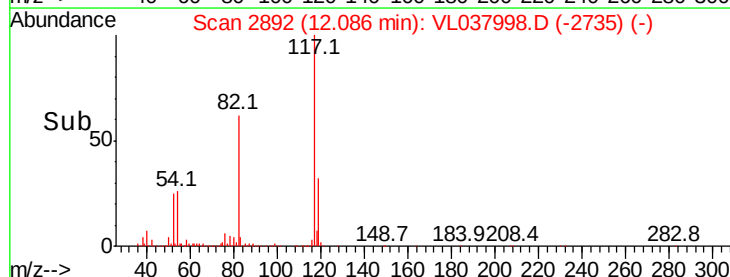
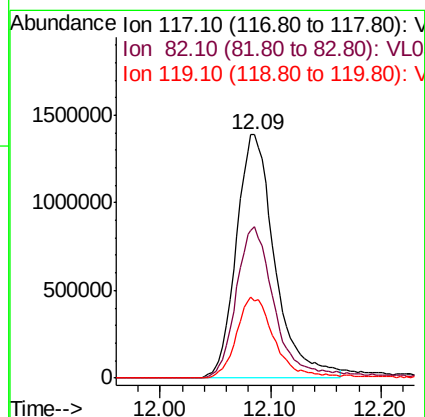
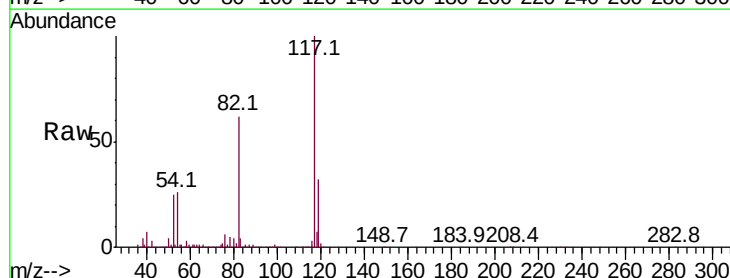
Tgt Ion: 117 Resp: 3371394

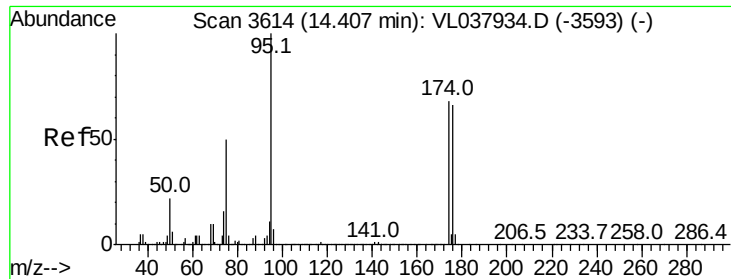
Ion Ratio Lower Upper

117 100

82 65.3 51.0 76.6

119 33.9 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.177 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 3.20

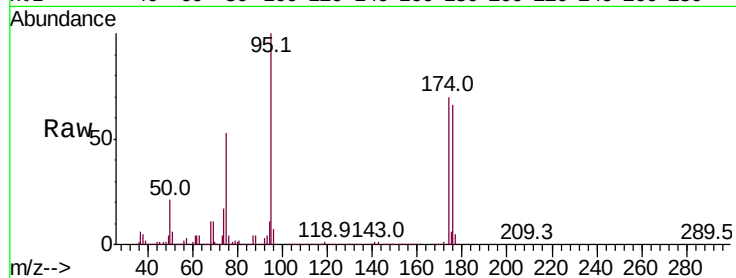
Tot Ion: 95 Resp: 2248989

Ion Ratio Lower Upper

95 100

174 77.2 58.3 87.5

175 5.3 4.6 6.8



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

