

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
 Data File : VL038000.D
 Acq On : 10 Nov 2021 4:38
 Operator : SY/AP
 Sample : M4597-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 10 06:47:51 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	1355963	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4004490	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3305013	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2372883	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

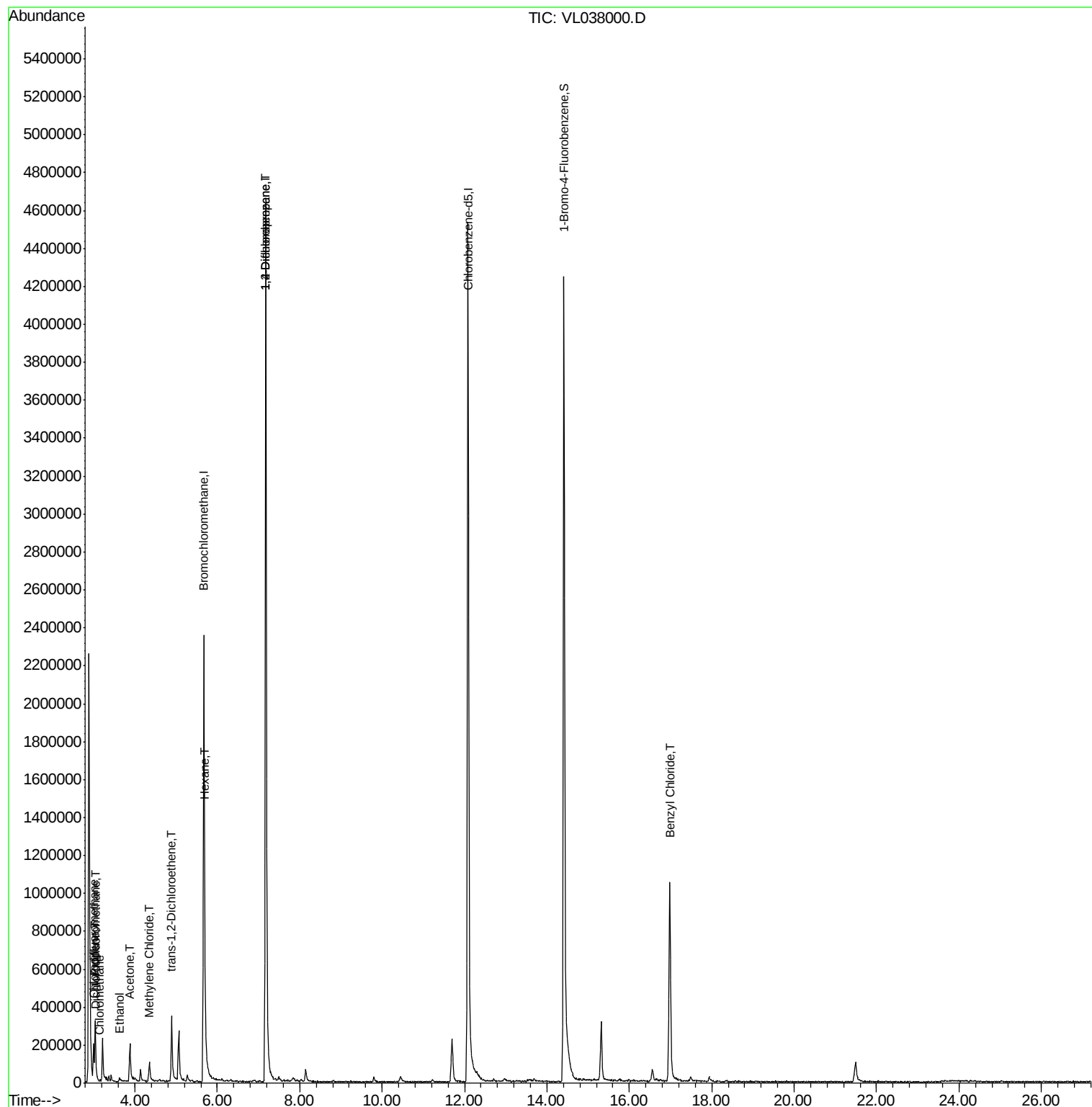
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	12261	0.064 ppbv #	71
3) Chlorodifluoromethane	3.00	51	217416	0.861 ppbv	96
4) Chloromethane	3.15	50	4228	0.044 ppbv	96
9) Propene	3.03	41	20655	0.228 ppbv	98
13) Ethanol	3.63	45	11477	1.257 ppbv #	32
15) Acetone	3.87	43	73119	0.653 ppbv #	46
20) Methylene Chloride	4.35	84	22812	0.371 ppbv #	87
22) trans-1,2-Dichloroethene	4.89	96	129752	1.913 ppbv #	84
26) Hexane	5.70	57	21325	0.135 ppbv #	47
39) 1,2-Dichloropropane	7.18	63	925559	7.543 ppbv #	26
66) Benzyl Chloride	16.98	91	1162	0.052 ppbv #	66

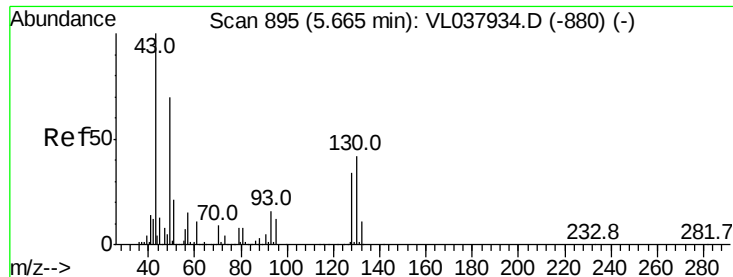
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110921\
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MSVOA_L
ClientSampleId :

Quant Time: Nov 10 06:47:51 2021
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 4:38

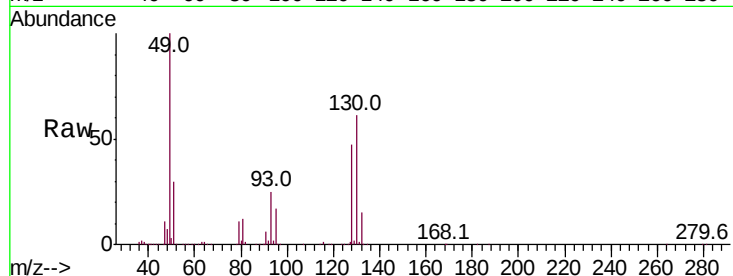
Tot Ion: 49 Resp: 1355963

Ion Ratio Lower Upper

49 100

128 53.2 27.0 81.0

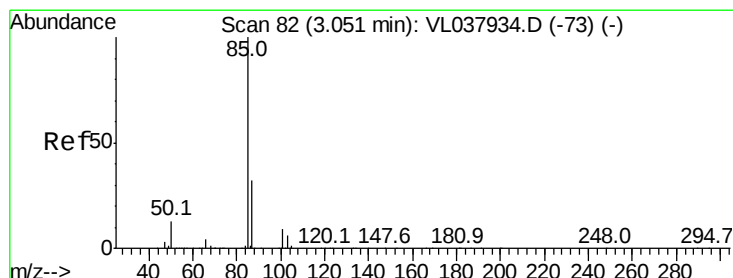
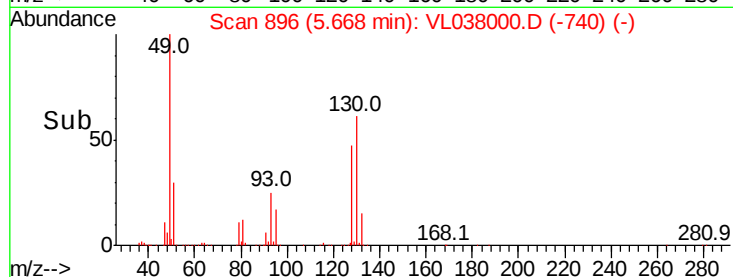
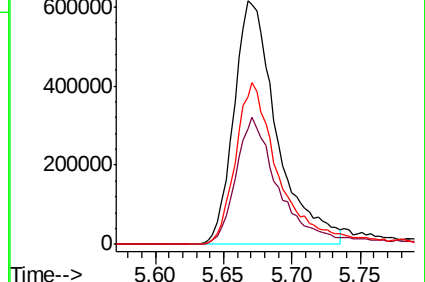
130 69.8 33.4 100.2



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: 0.064 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038000.D

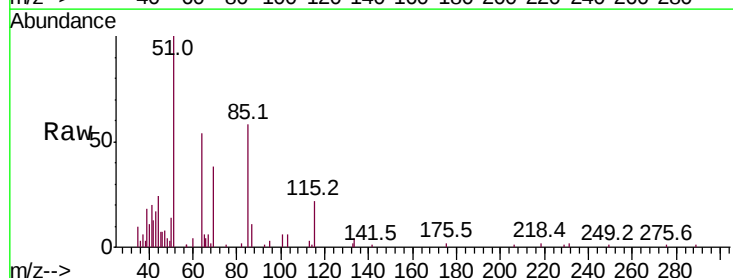
Acq: 10 Nov 2021 4:38

Tgt Ion: 85 Resp: 12261

Ion Ratio Lower Upper

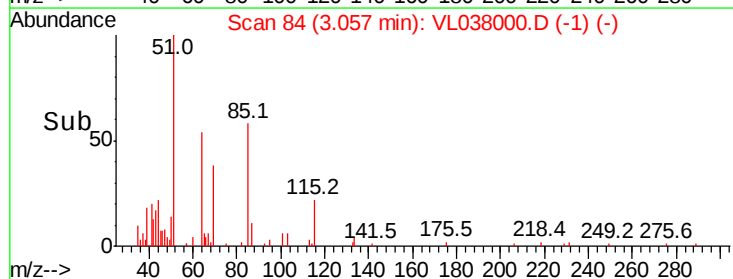
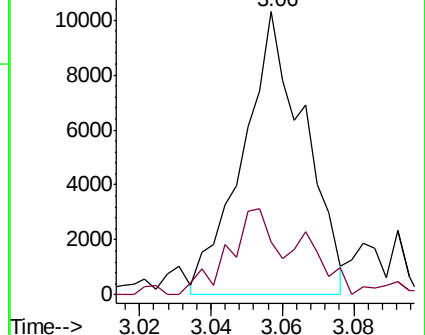
85 100

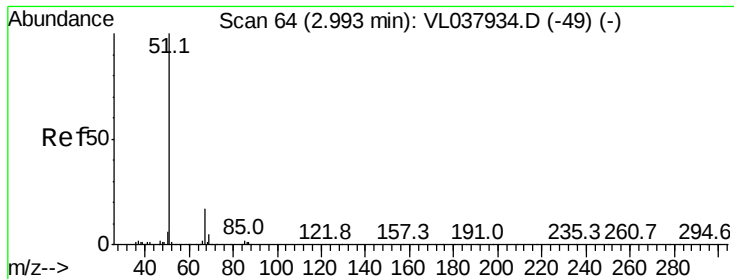
87 15.3 25.3 37.9#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.861 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

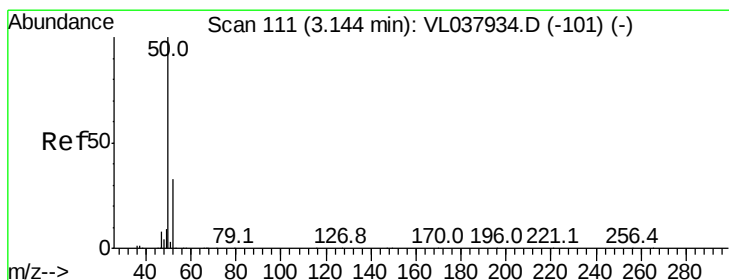
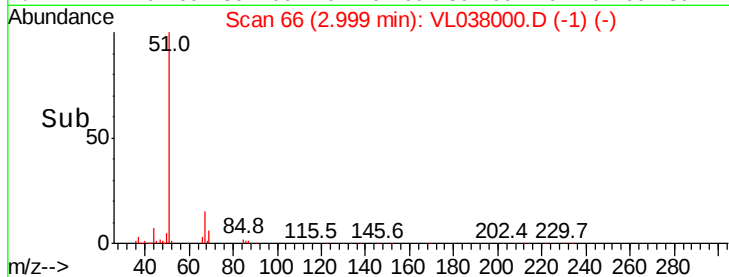
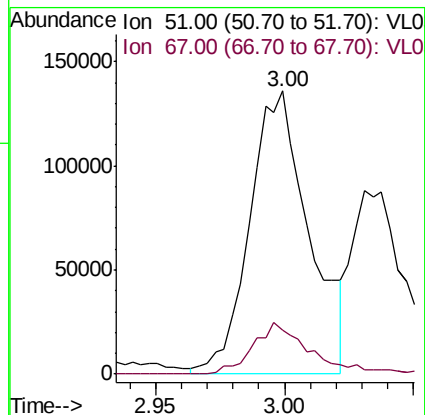
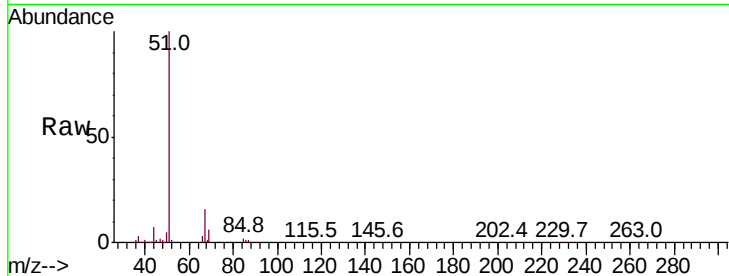
Acq: 10 Nov 2021 4:38

Tot Ion: 51 Resp: 217416

Ion Ratio Lower Upper

51 100

67 18.5 13.4 20.0



#4

Chloromethane

Concen: 0.044 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL038000.D

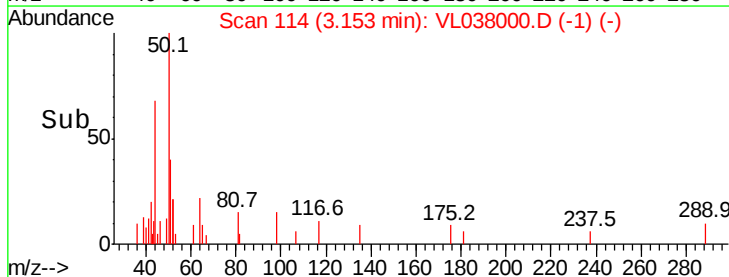
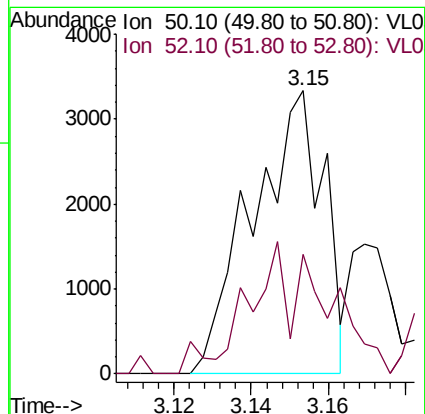
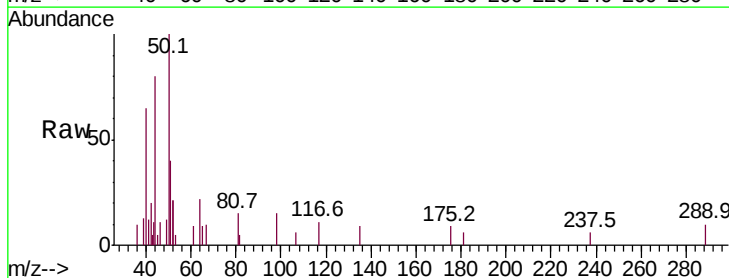
Acq: 10 Nov 2021 4:38

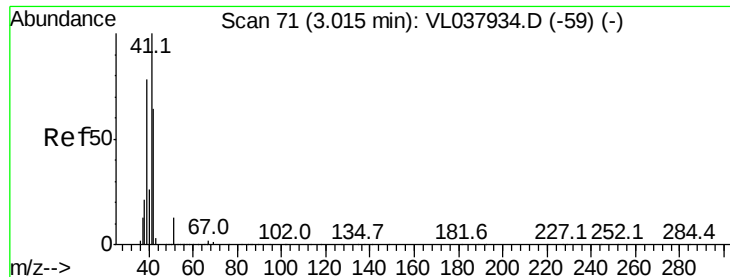
Tgt Ion: 50 Resp: 4228

Ion Ratio Lower Upper

50 100

52 30.9 26.3 39.5





#9

Propene

Concen: 0.228 ppbv

RT: 3.03

Delta R.T. MSVOA_L

Lab File:

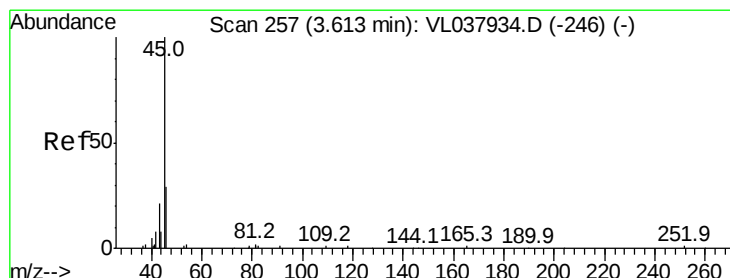
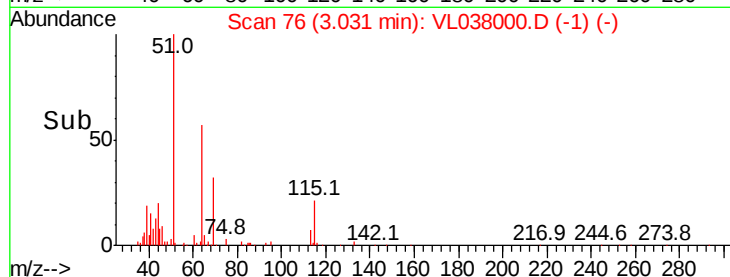
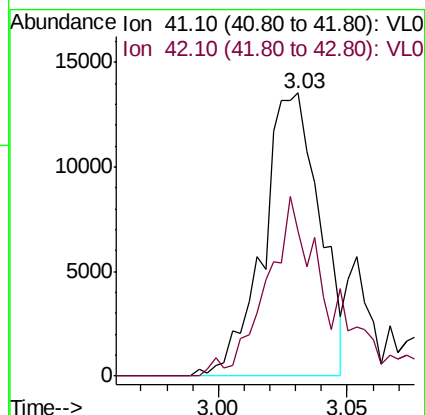
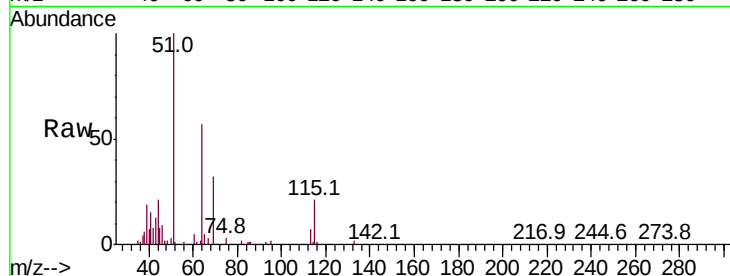
Acq: 10 Nov 2021 4:38

Tot Ion: 41 Resp: 20655

Ion Ratio Lower Upper

41 100

42 73.3 57.6 86.4



#13

Ethanol

Concen: 1.257 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.01 min

Lab File: VL038000.D

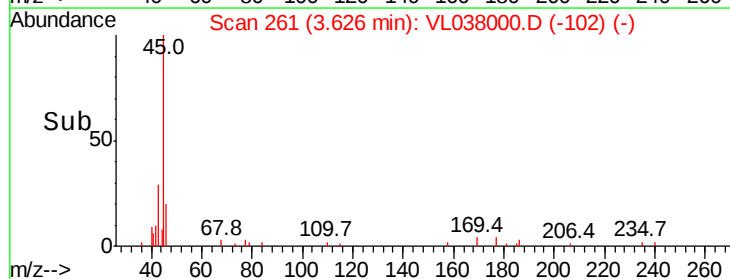
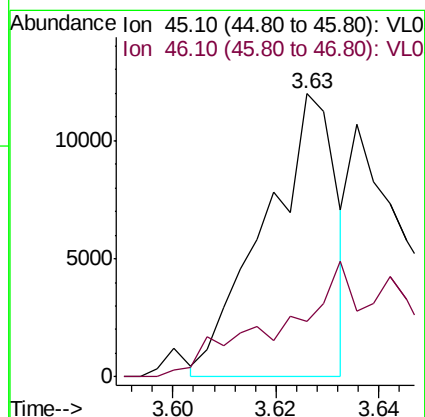
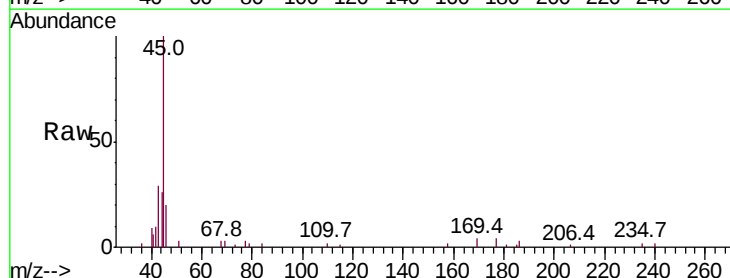
Acq: 10 Nov 2021 4:38

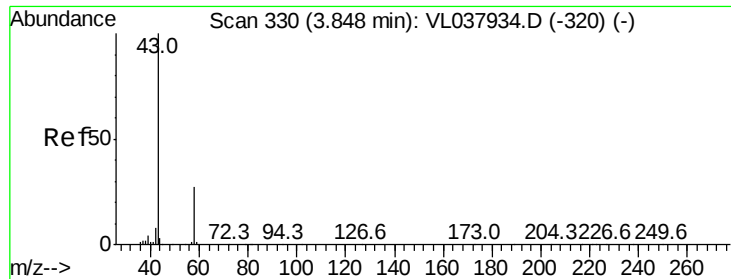
Tgt Ion: 45 Resp: 11477

Ion Ratio Lower Upper

45 100

46 0.0 17.4 69.8#





#15

Acetone

Concen: 0.653 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File:

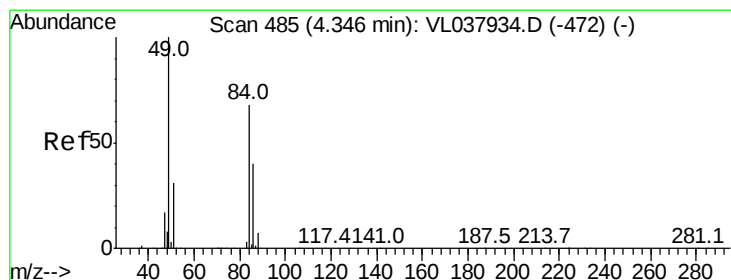
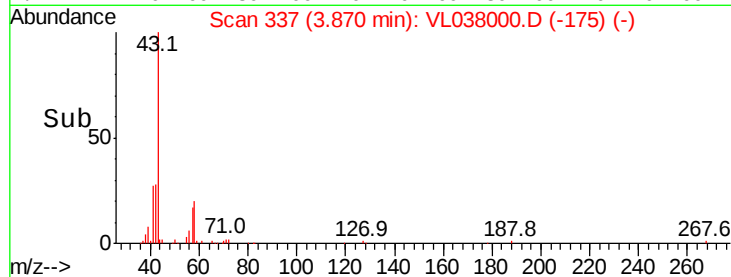
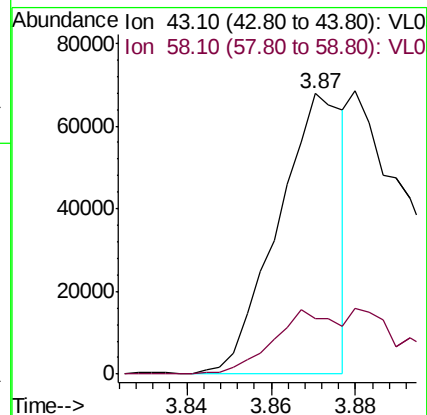
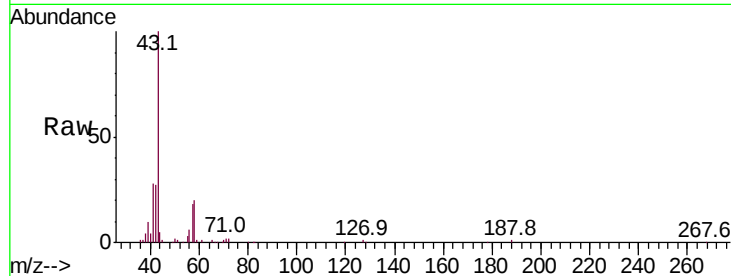
Acq: 10 Nov 2021 4:38

Tot Ion: 43 Resp: 73119

Ion Ratio Lower Upper

43 100

58 0.0 23.3 34.9#



#20

Methylene Chloride

Concen: 0.371 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL038000.D

Acq: 10 Nov 2021 4:38

Tgt Ion: 84 Resp: 22812

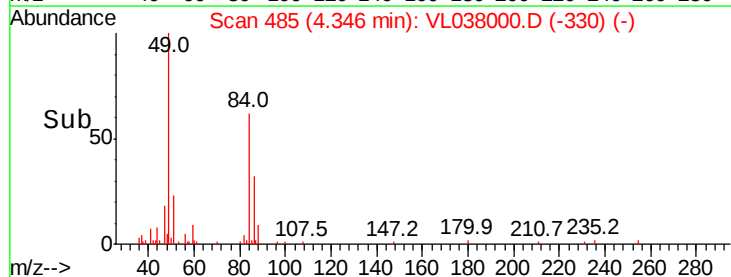
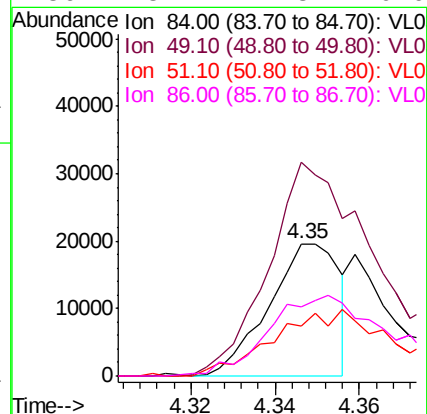
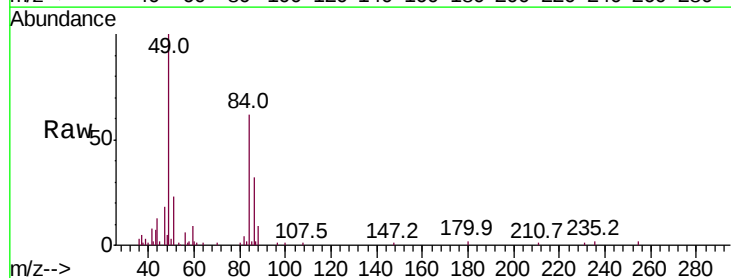
Ion Ratio Lower Upper

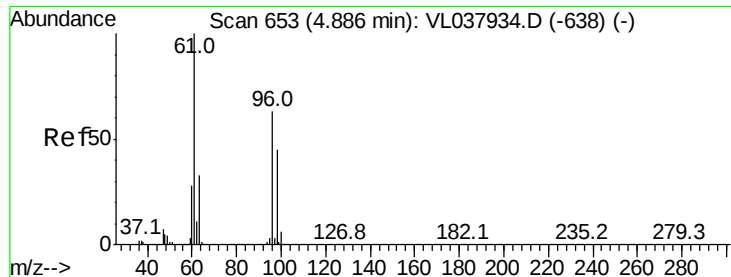
84 100

49 160.3 117.5 176.3

51 34.4 35.9 53.9#

86 48.2 47.3 70.9





#22

trans-1,2-Dichloroethene

Concen: 1.913 ppbv

RT: 4.89 Instrument:

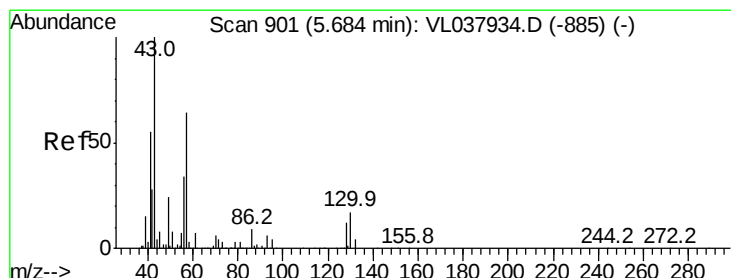
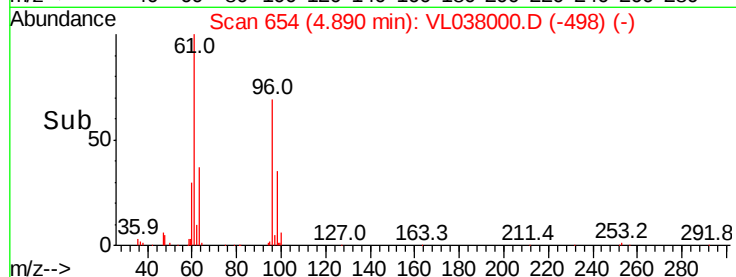
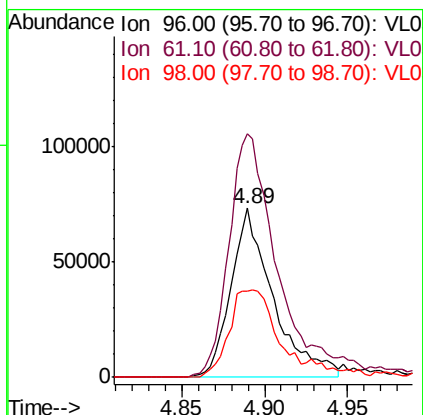
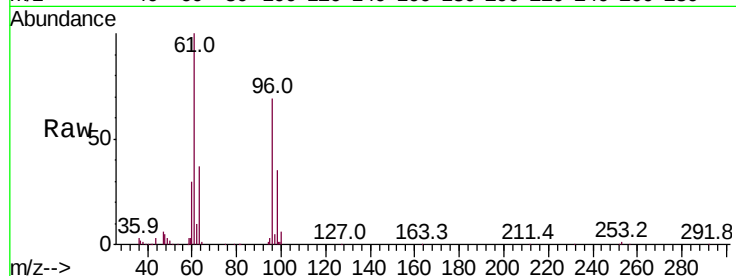
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 4:38

Tot Ion: 96 Resp: 129752

Ion	Ratio	Lower	Upper
96	100		
61	143.5	127.8	191.6
98	50.8	56.9	85.3#



#26

Hexane

Concen: 0.135 ppbv

RT: 5.70 min Scan# 905

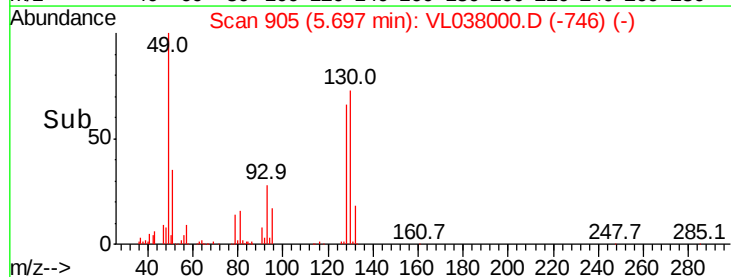
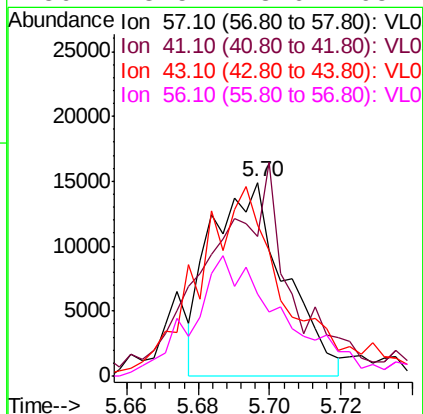
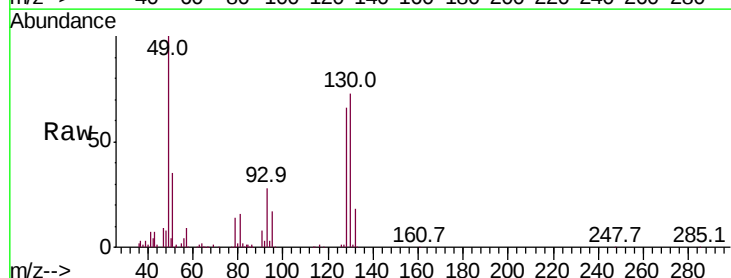
Delta R.T. 0.01 min

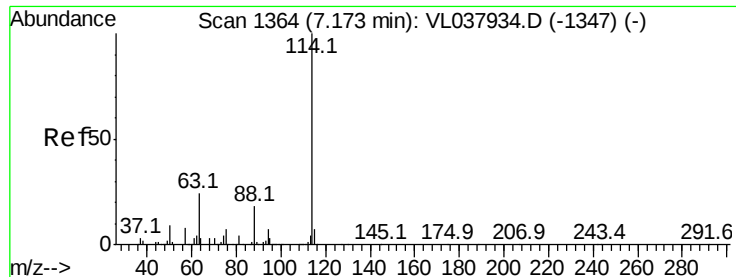
Lab File: VL038000.D

Acq: 10 Nov 2021 4:38

Tgt Ion: 57 Resp: 21325

Ion	Ratio	Lower	Upper
57	100		
41	130.4	71.0	106.6#
43	119.5	173.0	259.6#
56	78.5	43.6	65.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument: MSVOA_1

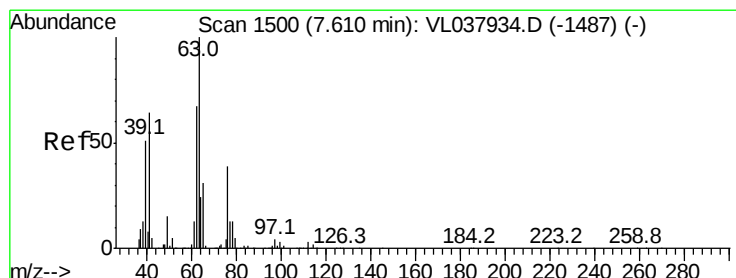
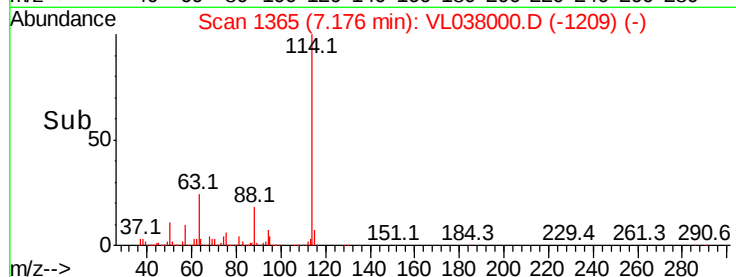
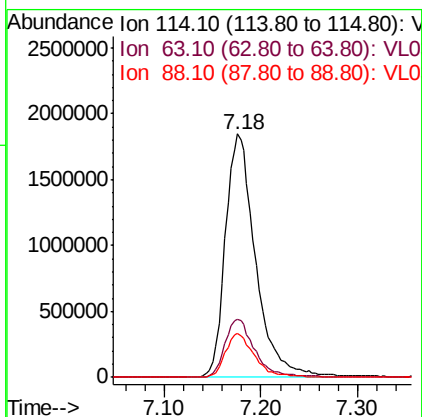
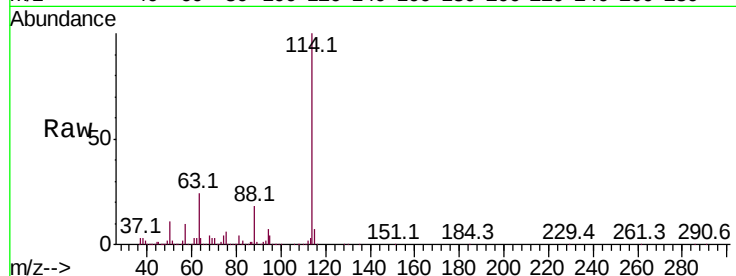
Delta R.T. ClientSampleId:

Lab File:

Acq: 10 Nov 2021 4:38

Tot Ion: 114 Resp: 4004490

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.7	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.543 ppbv

RT: 7.18 min Scan# 1365

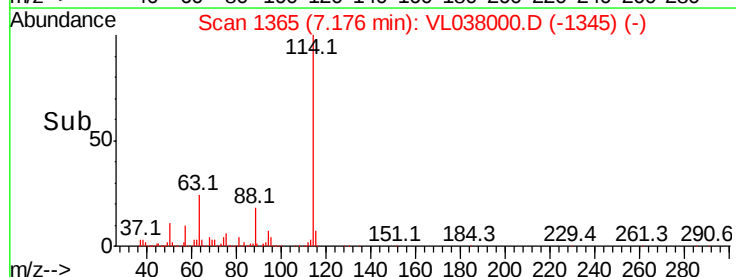
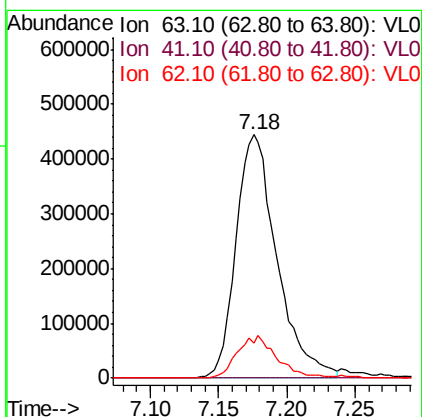
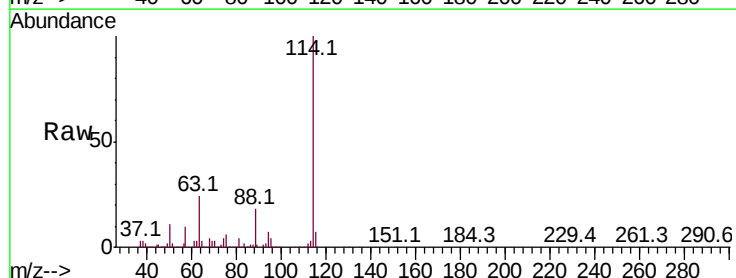
Delta R.T. -0.43 min

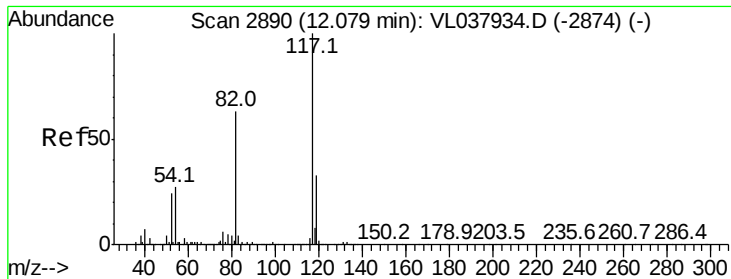
Lab File: VL038000.D

Acq: 10 Nov 2021 4:38

Tgt Ion: 63 Resp: 925559

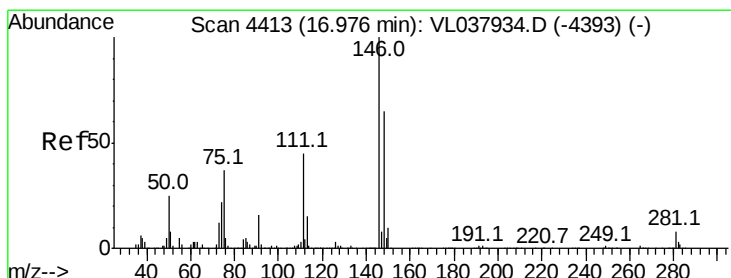
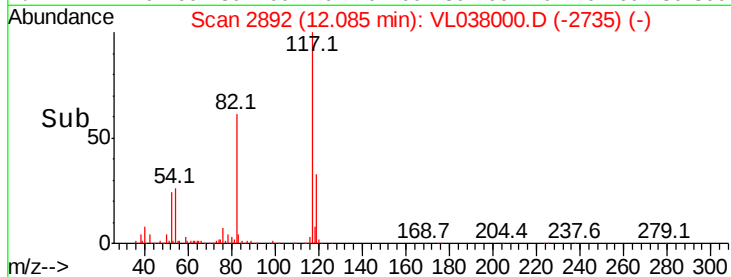
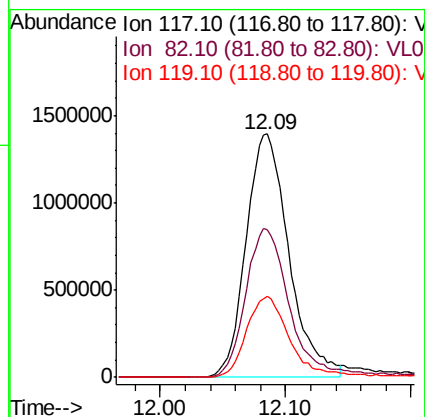
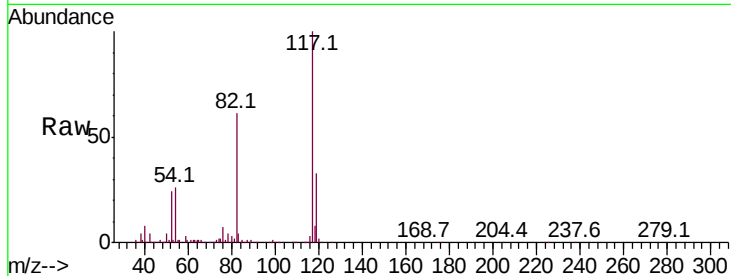
Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	14.2	53.5	80.3#





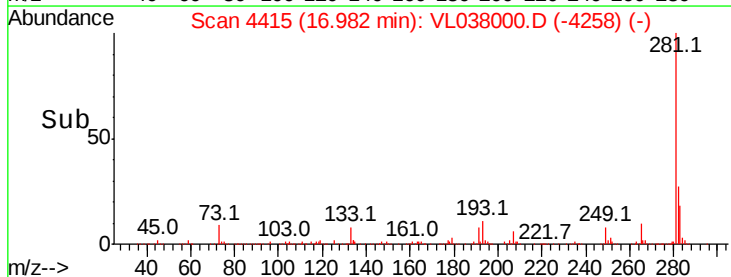
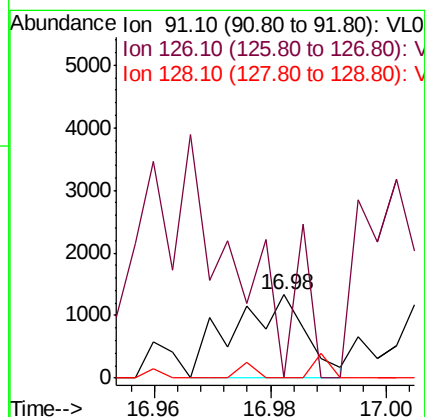
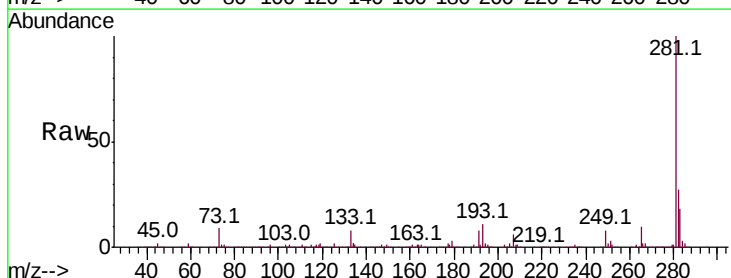
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 4:38

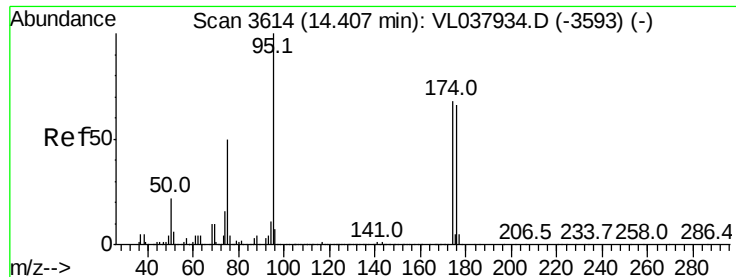
Tot Ion: 117 Resp: 3305013
Ion Ratio Lower Upper
117 100
82 64.8 51.0 76.6
119 34.7 26.9 40.3



#66
Benzyl Chloride
Concen: 0.052 ppbv
RT: 16.98 min Scan# 4415
Delta R.T.: 0.01 min
Lab File: VL038000.D
Acq: 10 Nov 2021 4:38

Tgt Ion: 91 Resp: 1162
Ion Ratio Lower Upper
91 100
126 0.0 13.8 20.6#
128 0.0 5.1 7.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.877 ppbv

RT: 14.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 4:38

Tot Ion: 95 Resp: 2372883

Ion Ratio Lower Upper

95 100

174 72.2 58.3 87.5

175 5.3 4.6 6.8

