

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037951.D
 Acq On : 1 Nov 2021 23:32
 Operator : SY/AP
 Sample : M4426-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

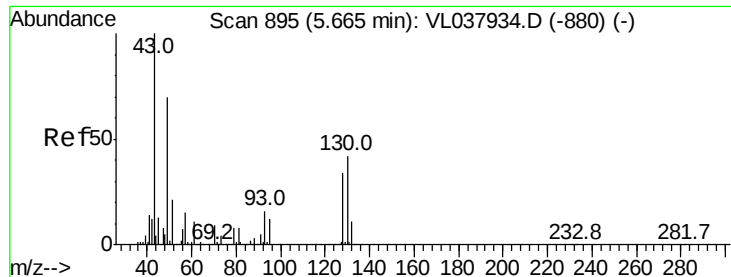
Quant Time: Nov 02 06:07:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1461883	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4271961	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	3714484	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2539081	9.40	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	10360	0.050	ppbv #	53
3) Chlorodifluoromethane	2.98	51	9627	0.035	ppbv	98
9) Propene	3.02	41	10693	0.110	ppbv #	79
13) Ethanol	3.61	45	5684	0.577	ppbv #	1
15) Acetone	3.86	43	86946	0.720	ppbv #	46
20) Methylene Chloride	4.33	84	12590	0.190	ppbv	88
25) Ethyl Acetate	5.68	43	17826	0.050	ppbv #	75
26) Hexane	5.67	57	7366	0.043	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	1003213	7.664	ppbv #	28

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA1DL

Acq: 1 Nov 2021 23:32

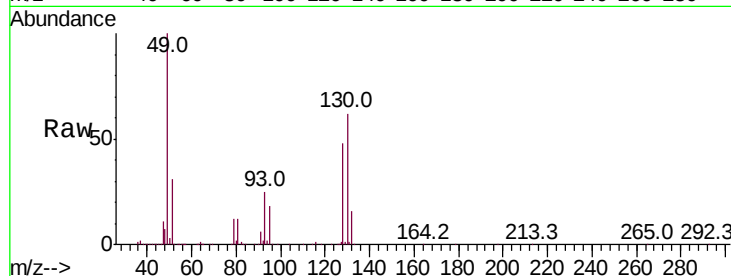
Tot Ion: 49 Resp: 1461883

Ion Ratio Lower Upper

49 100

128 53.8 27.0 81.0

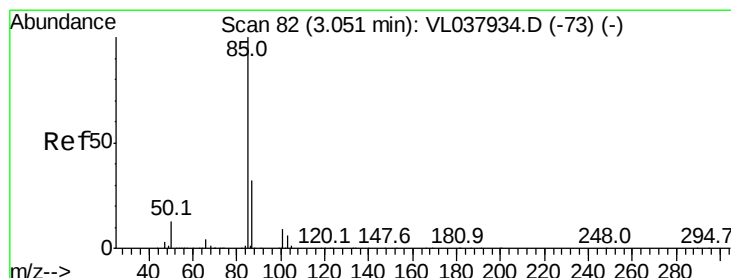
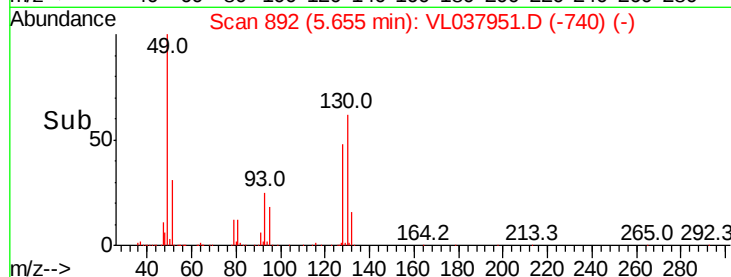
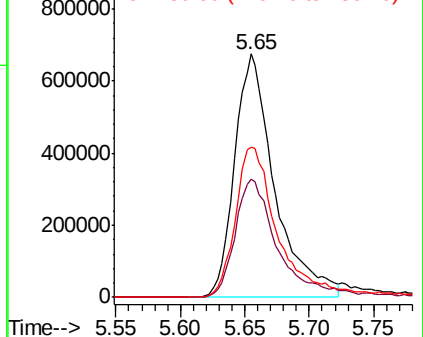
130 69.3 33.4 100.2



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: 0.050 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037951.D

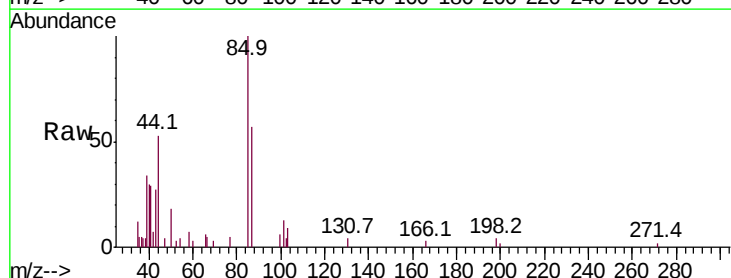
Acq: 1 Nov 2021 23:32

Tgt Ion: 85 Resp: 10360

Ion Ratio Lower Upper

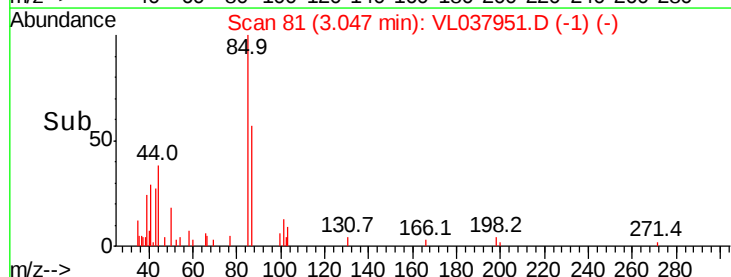
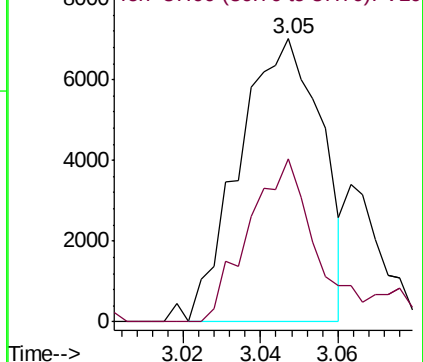
85 100

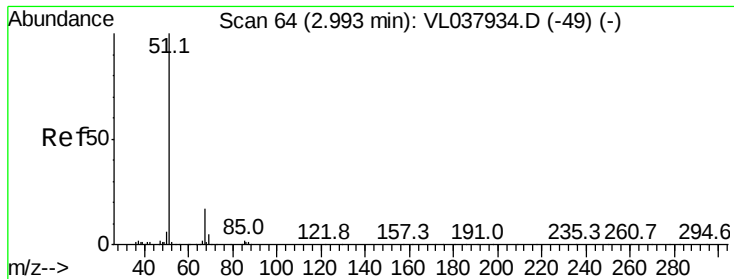
87 57.5 25.3 37.9#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.035 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA1DL

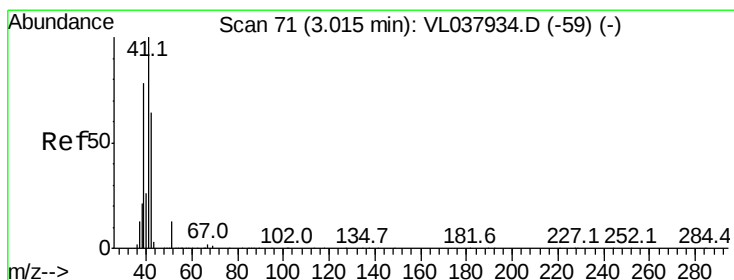
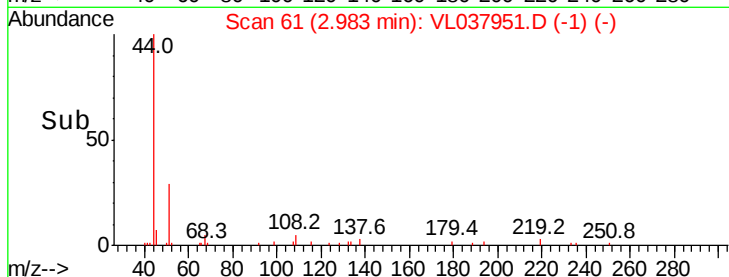
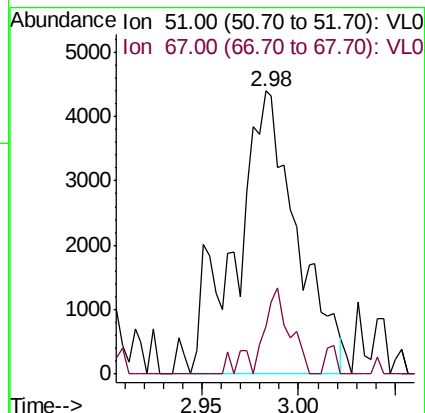
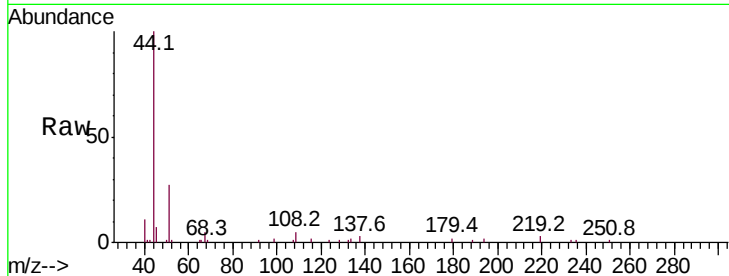
Acq: 1 Nov 2021 23:32

Tot Ion: 51 Resp: 9627

Ion Ratio Lower Upper

51 100

67 15.8 13.4 20.0



#9

Propene

Concen: 0.110 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL037951.D

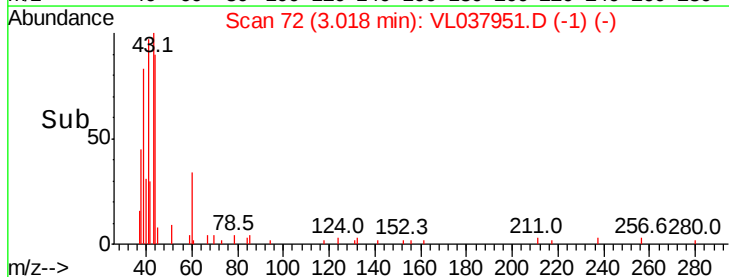
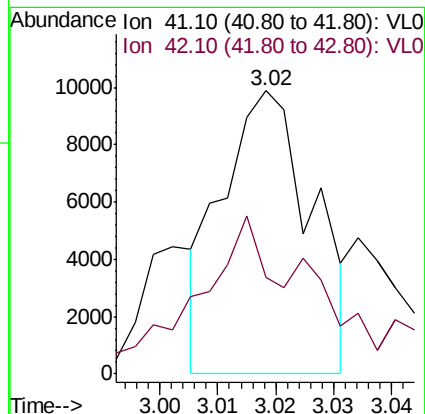
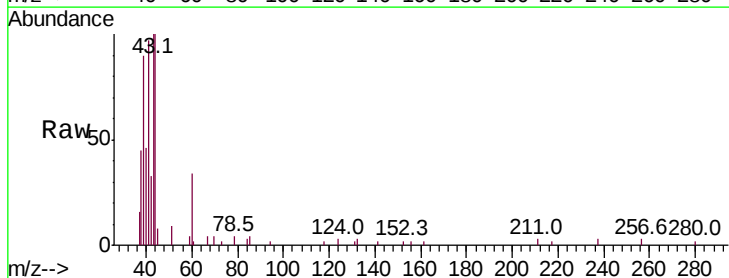
Acq: 1 Nov 2021 23:32

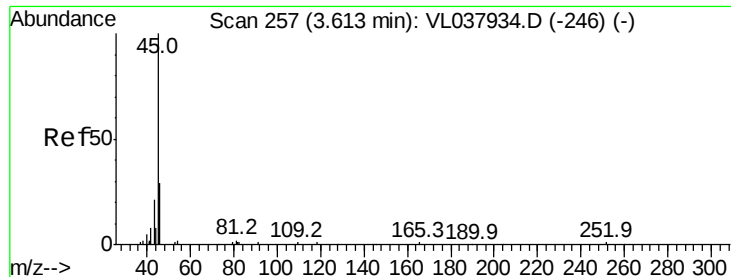
Tgt Ion: 41 Resp: 10693

Ion Ratio Lower Upper

41 100

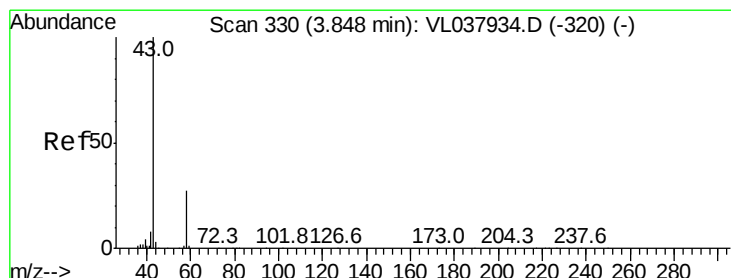
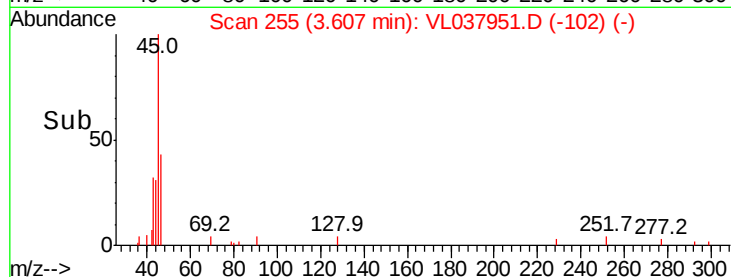
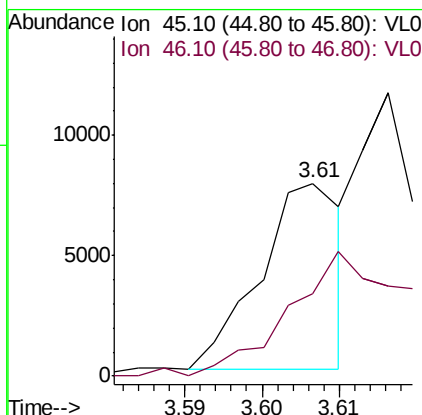
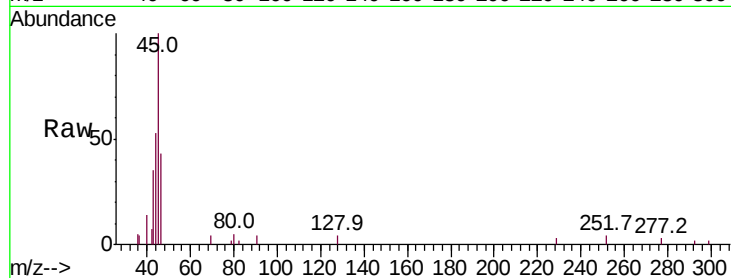
42 89.8 57.6 86.4#





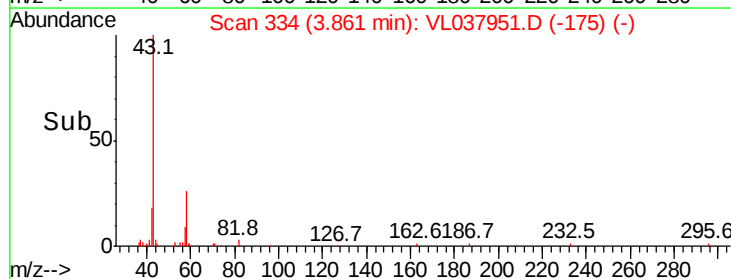
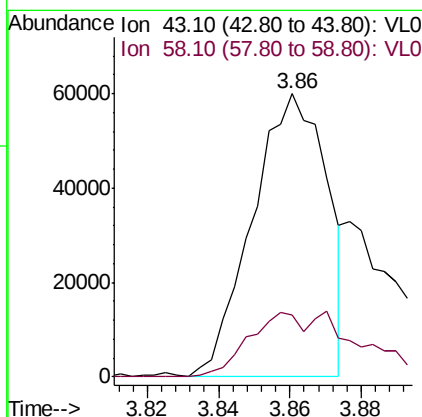
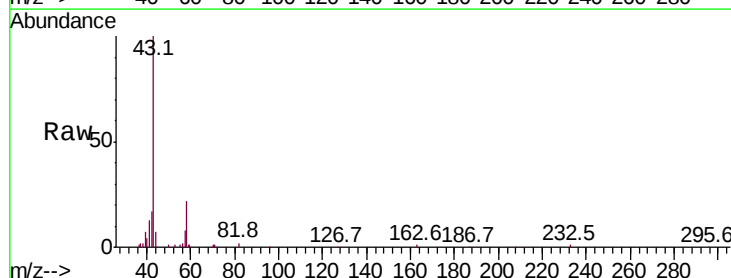
#13
Ethanol
Concen: 0.577 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Nov 2021 23:32

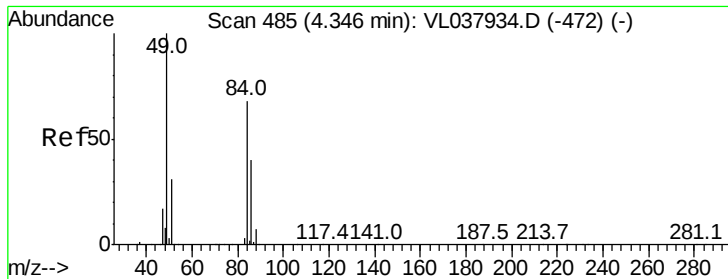
Tot Ion: 45 Resp: 5684
Ion Ratio Lower Upper
45 100
46 220.7 17.4 69.8#



#15
Acetone
Concen: 0.720 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL037951.D
Acq: 1 Nov 2021 23:32

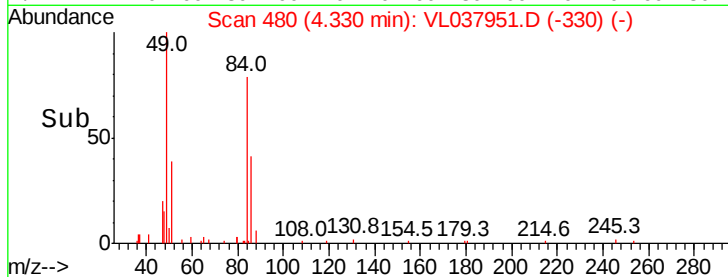
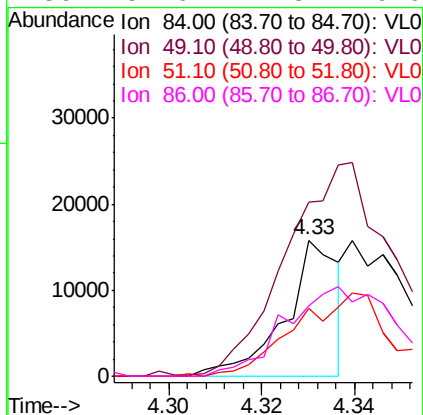
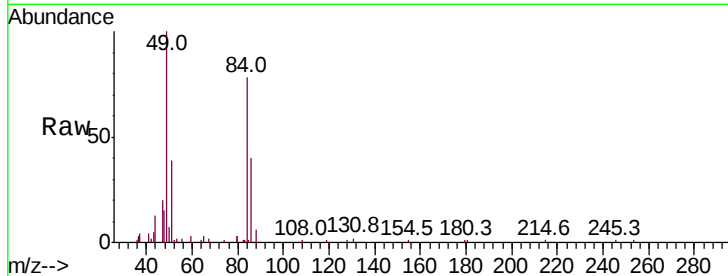
Tgt Ion: 43 Resp: 86946
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#





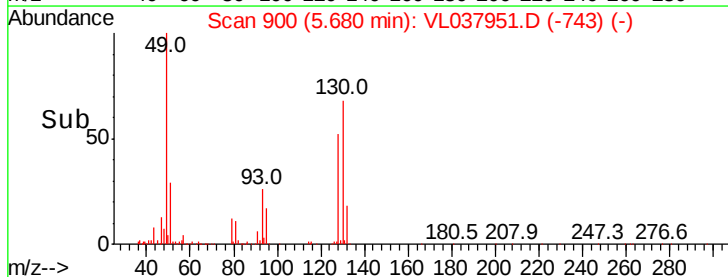
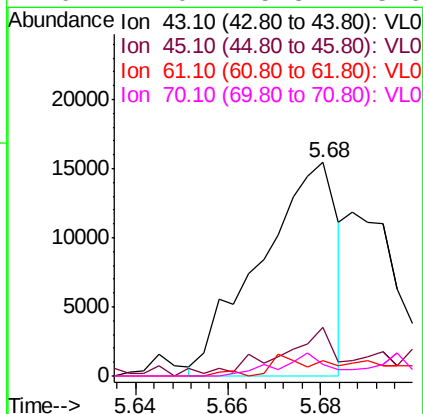
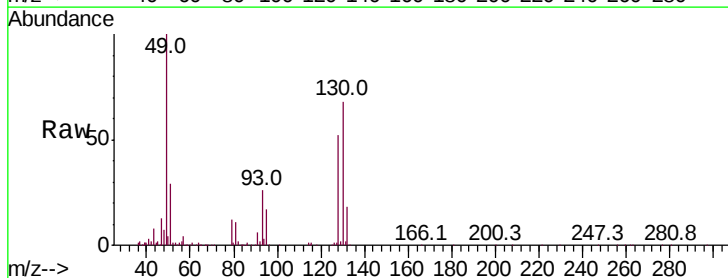
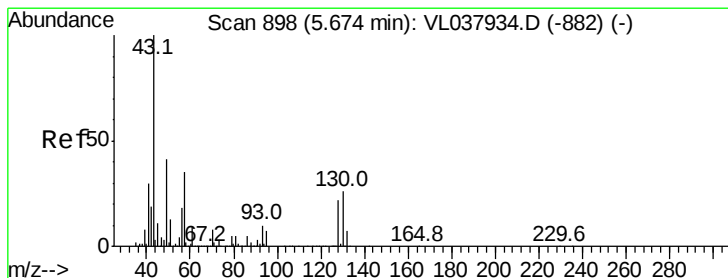
#20
Methvlene Chloride
Concen: 0.190 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Nov 2021 23:32

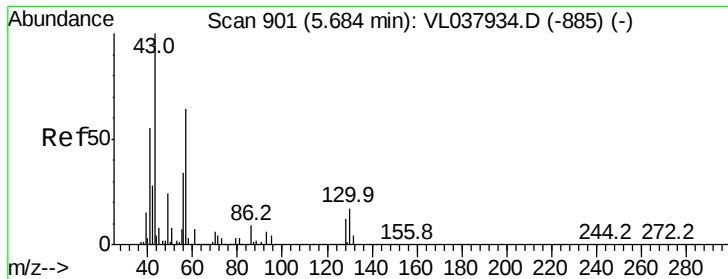
Tot Ion:	84	Resp:	12590
Ion	Ratio	Lower	Upper
84	100		
49	127.3	117.5	176.3
51	48.4	35.9	53.9
86	51.6	47.3	70.9



#25
Ethyl Acetate
Concen: 0.050 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037951.D
Acq: 1 Nov 2021 23:32

Tgt Ion:	43	Resp:	17826
Ion	Ratio	Lower	Upper
43	100		
45	26.5	8.1	12.1#
61	15.4	8.1	12.1#
70	12.0	5.8	8.6#





#26

Hexane

Concen: 0.043 ppbv

RT: 5.67 Instrument:

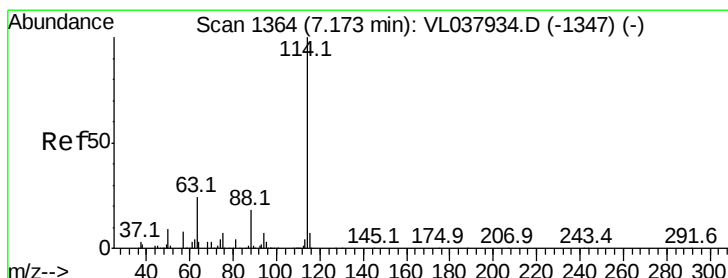
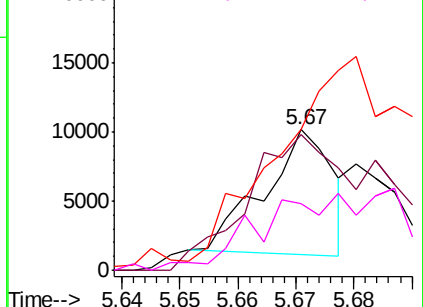
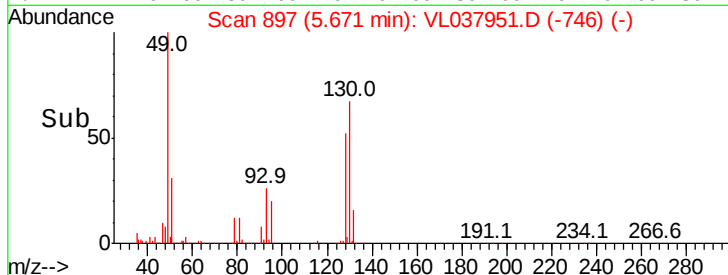
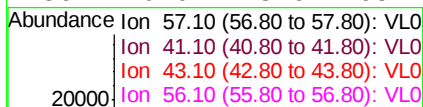
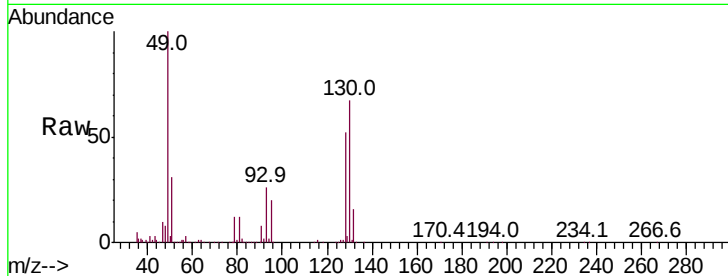
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 23:32

Tot Ion: 57 Resp: 7366

Ion	Ratio	Lower	Upper
57	100		
41	264.5	71.0	106.6#
43	0.0	173.0	259.6#
56	0.0	43.6	65.4#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

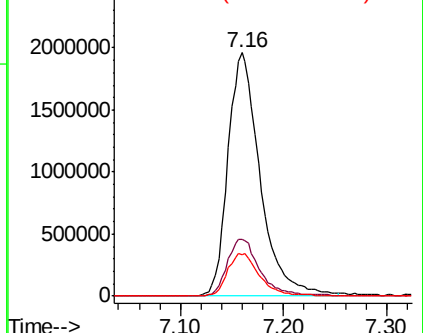
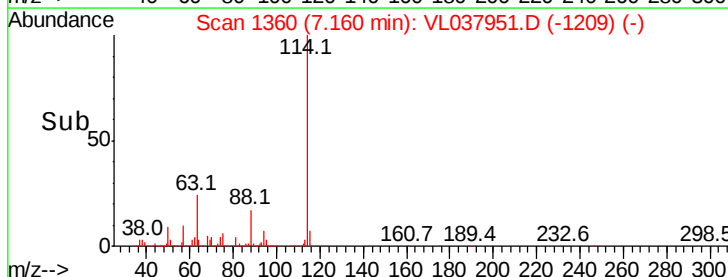
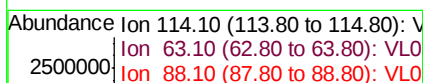
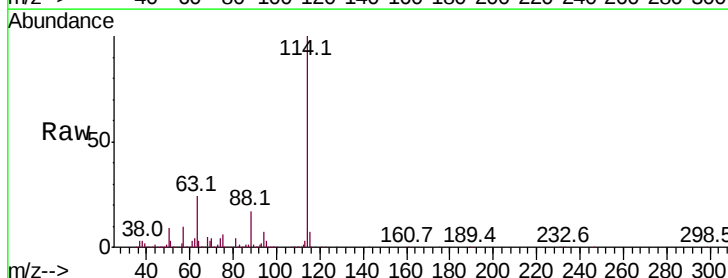
Delta R.T. -0.01 min

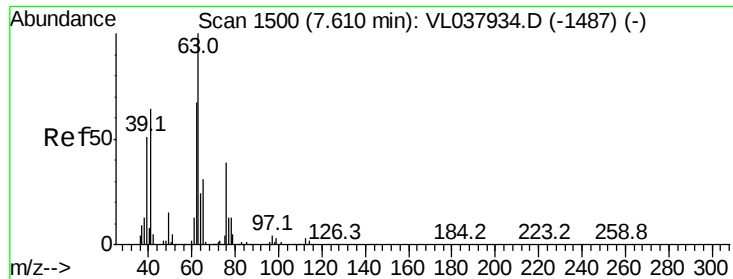
Lab File: VL037951.D

Acq: 1 Nov 2021 23:32

Tgt Ion: 114 Resp: 4271961

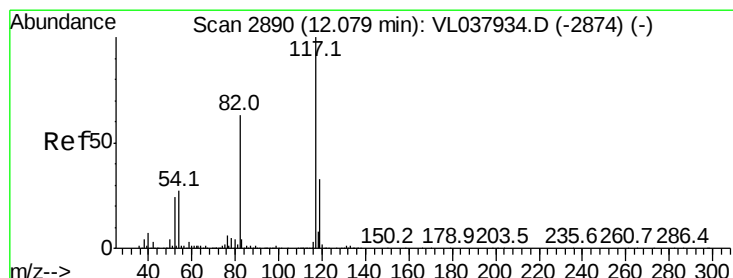
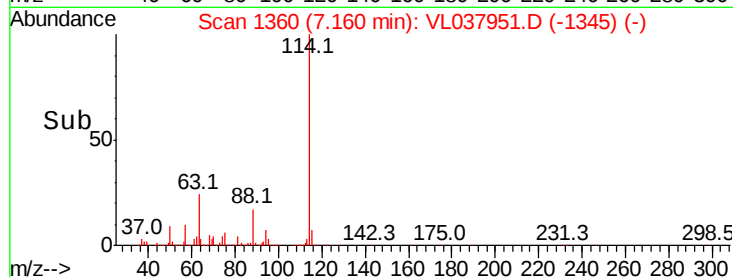
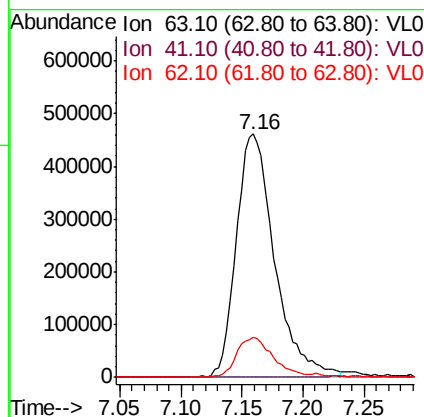
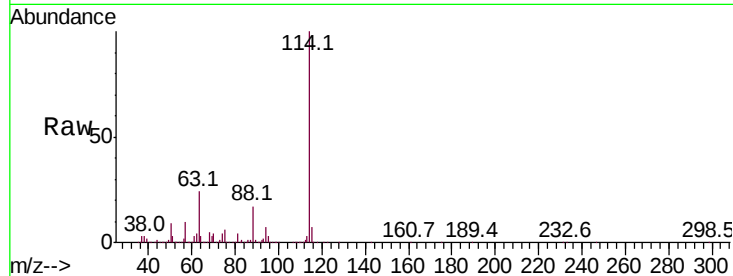
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.0
88	17.9	14.2	21.4





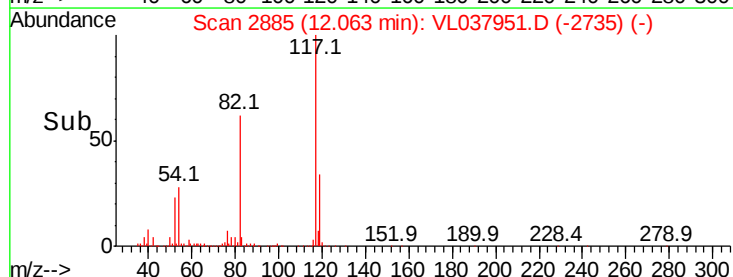
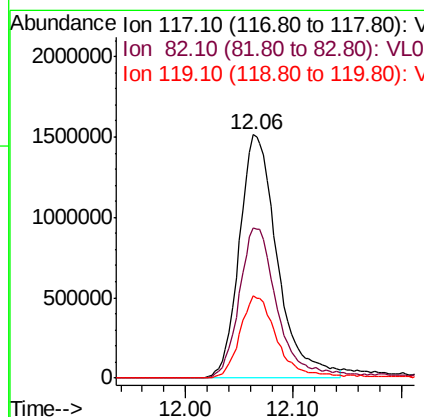
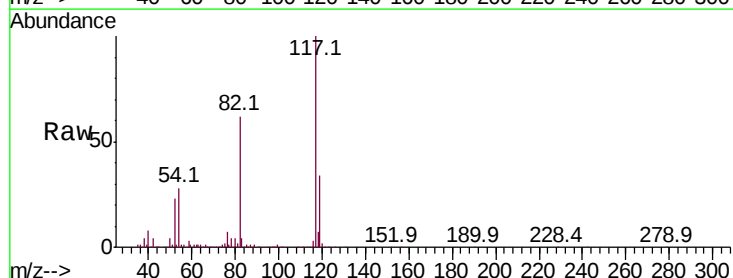
#39
 1,2-Dichloropropane
 Concen: 7.664 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 1 Nov 2021 23:32

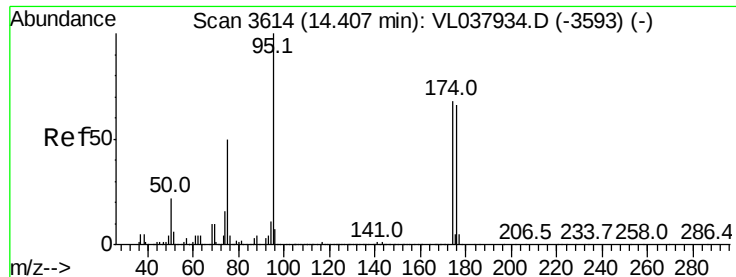
Tot Ion: 63 Resp: 1003213
 Ion Ratio Lower Upper
 63 100
 41 0.0 51.6 77.4#
 62 16.5 53.5 80.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2885
 Delta R.T.: -0.02 min
 Lab File: VL037951.D
 Acq: 1 Nov 2021 23:32

Tgt Ion: 117 Resp: 3714484
 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: 9.404 ppbv

RT: 14.39 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Nov 2021 23:32

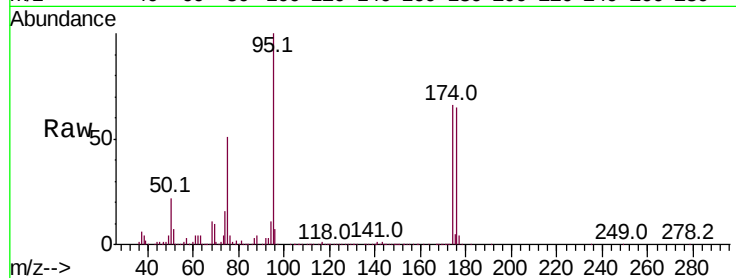
Tot Ion: 95 Resp: 2539081

Ion Ratio Lower Upper

95 100

174 79.3 58.3 87.5

175 5.9 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

