

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
 Data File : VL037985.D
 Acq On : 9 Nov 2021 18:47
 Operator : SY/AP
 Sample : M4555-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 10 04:48:36 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	5.66	49	1448970	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4193838	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3570656	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2412199	9.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

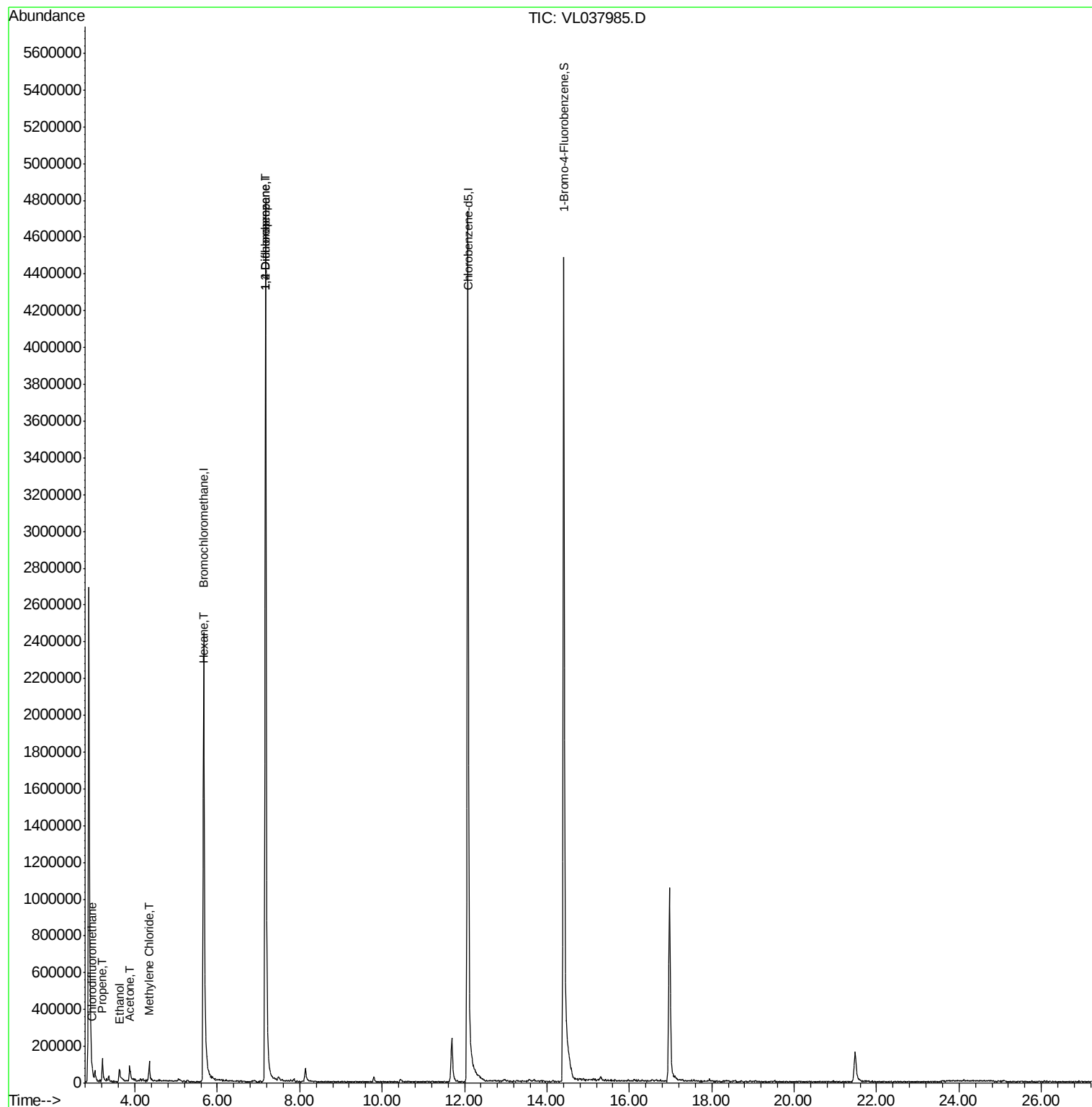
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	35696	0.132	ppbv #	71
9) Propene	3.21	41	42438	0.439	ppbv	87
13) Ethanol	3.62	45	45581	4.672	ppbv #	32
15) Acetone	3.87	43	29942	0.250	ppbv #	2
20) Methylene Chloride	4.35	84	42660	0.649	ppbv #	92
26) Hexane	5.68	57	10727	0.064	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	981892	7.641	ppbv #	28

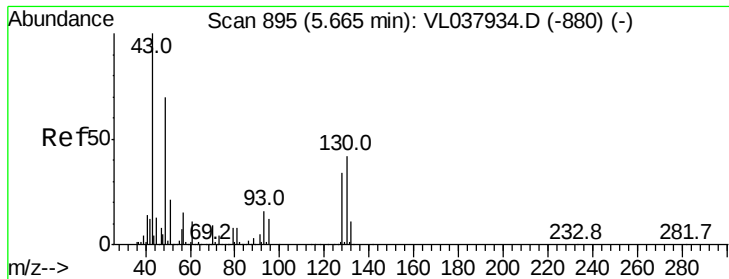
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 9 Nov 2021 18:47

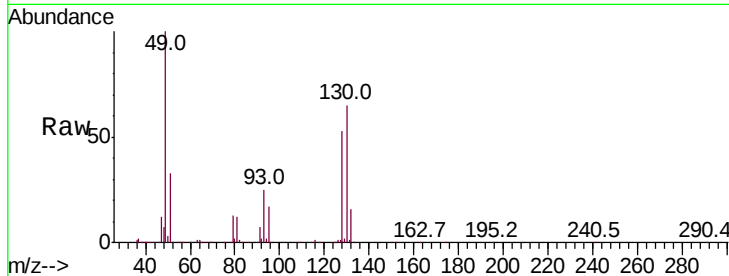
Tot Ion: 49 Resp: 1448970

Ion Ratio Lower Upper

49 100

128 54.3 27.0 81.0

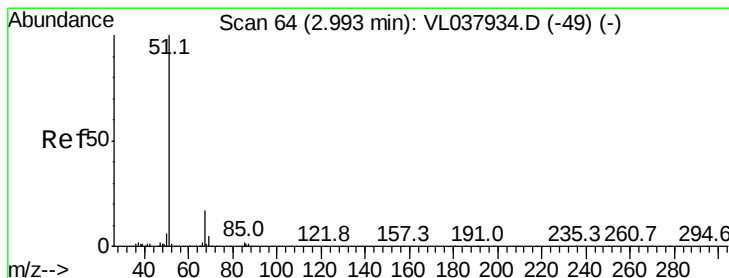
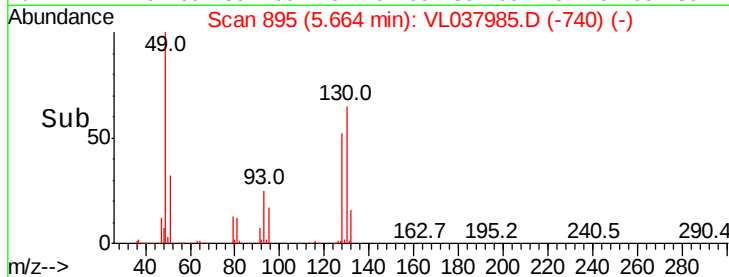
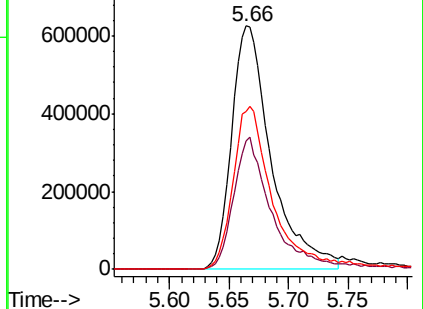
130 69.4 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.132 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL037985.D

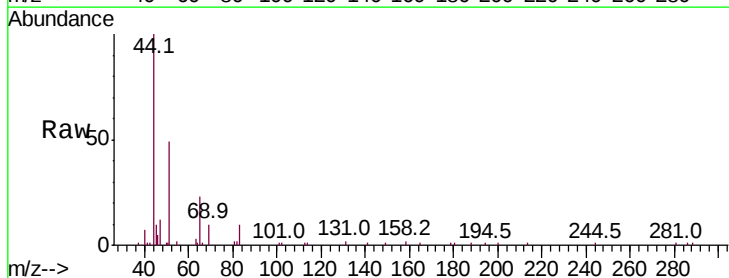
Acq: 9 Nov 2021 18:47

Tgt Ion: 51 Resp: 35696

Ion Ratio Lower Upper

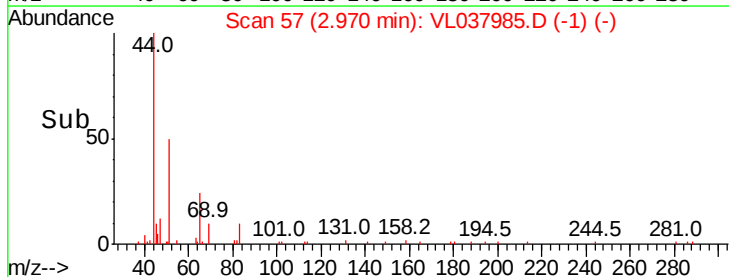
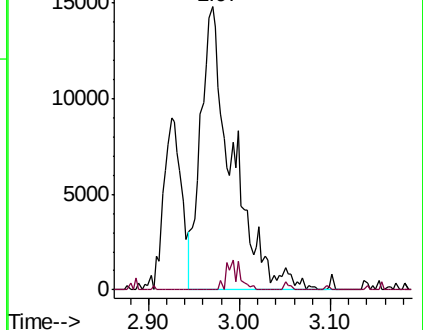
51 100

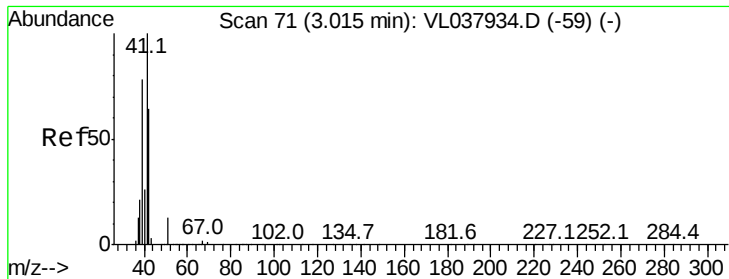
67 4.2 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.439 ppbv

RT: 3.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

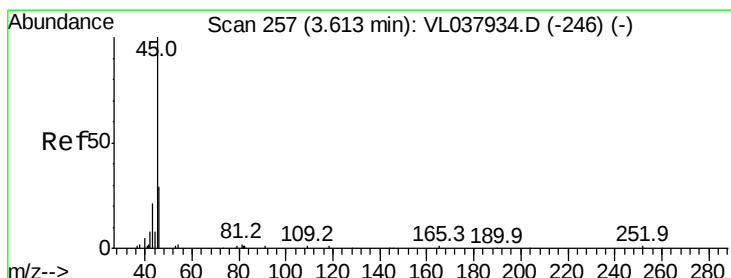
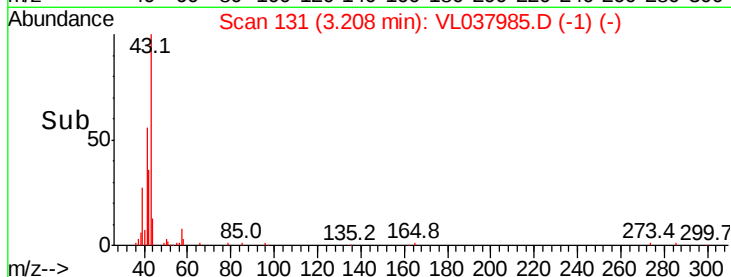
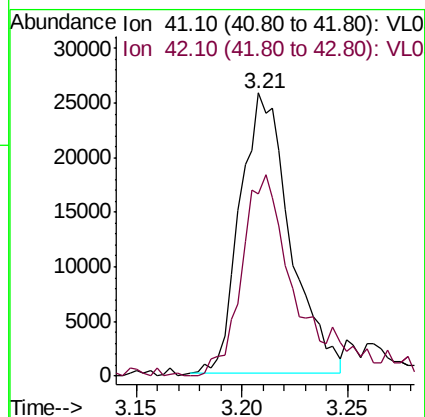
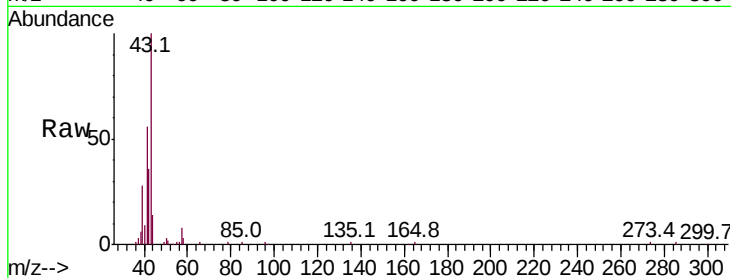
Acq: 9 Nov 2021 18:47

Tot Ion: 41 Resp: 42438

Ion Ratio Lower Upper

41 100

42 82.8 57.6 86.4



#13

Ethanol

Concen: 4.672 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL037985.D

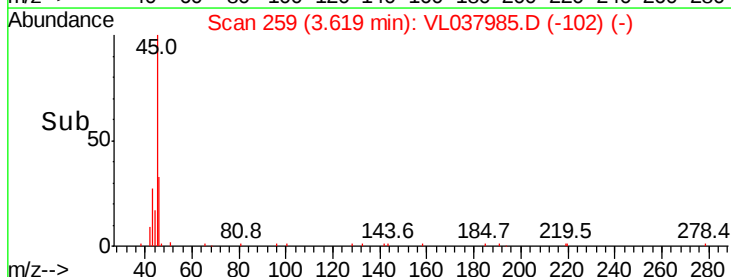
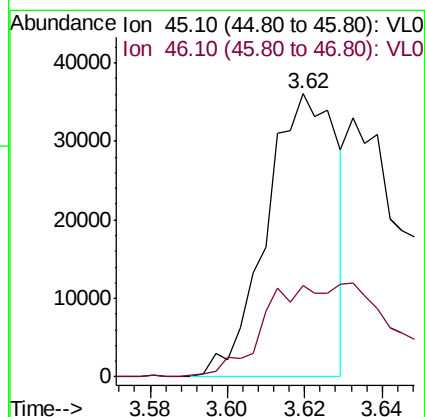
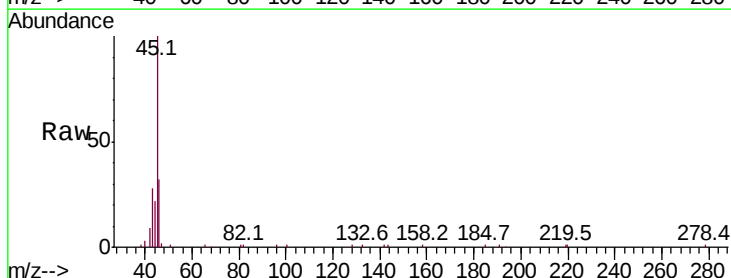
Acq: 9 Nov 2021 18:47

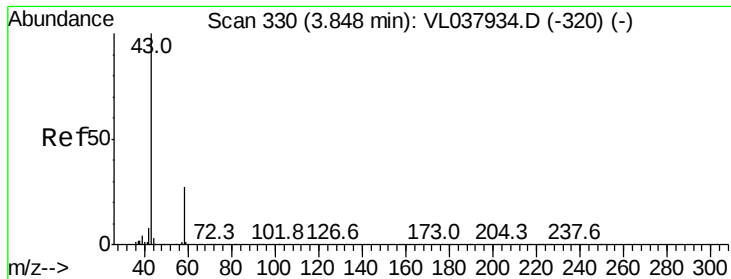
Tgt Ion: 45 Resp: 45581

Ion Ratio Lower Upper

45 100

46 0.0 17.4 69.8#





#15

Acetone

Concen: 0.250 ppbv

RT: 3.87

Delta R.T. MSVOA_L

Lab File:

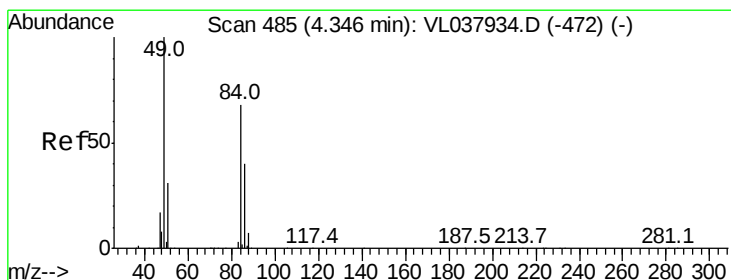
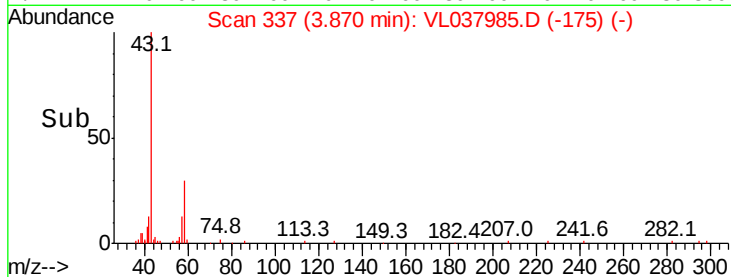
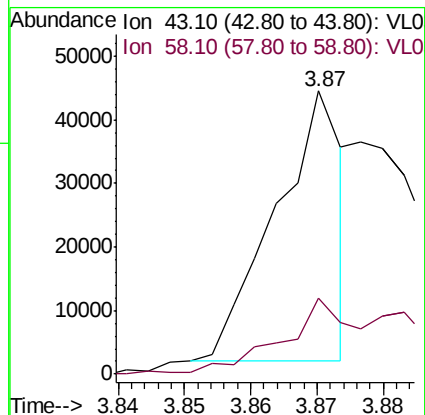
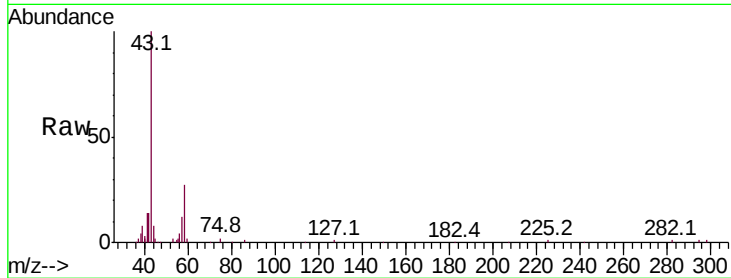
Acq: 9 Nov 2021 18:47

Tot Ion: 43 Resp: 29942

Ion Ratio Lower Upper

43 100

58 81.7 23.3 34.9#



#20

Methylene Chloride

Concen: 0.649 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL037985.D

Acq: 9 Nov 2021 18:47

Tgt Ion: 84 Resp: 42660

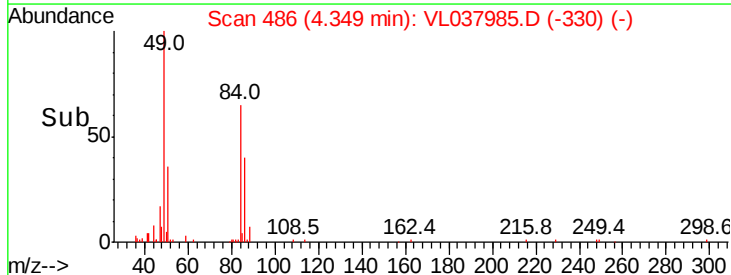
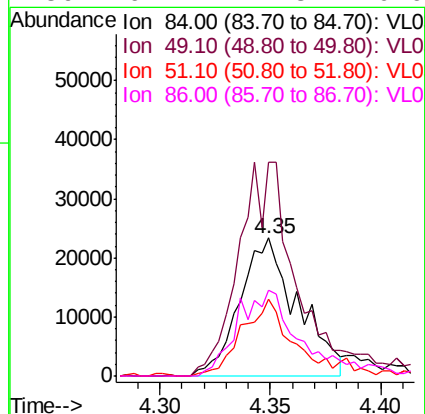
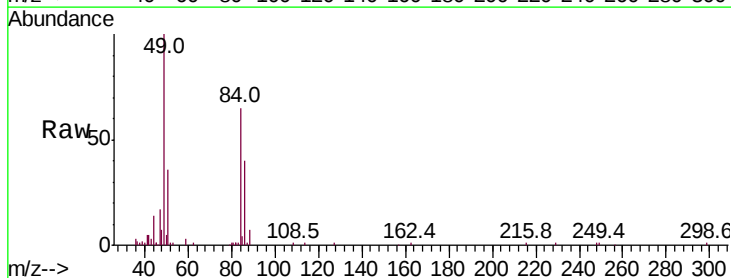
Ion Ratio Lower Upper

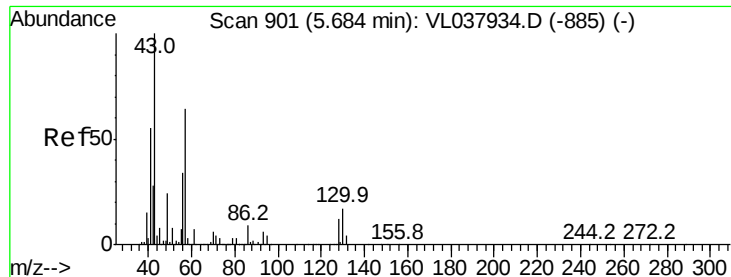
84 100

49 154.6 117.5 176.3

51 55.6 35.9 53.9#

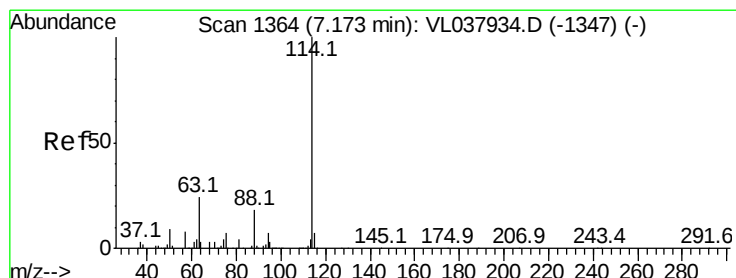
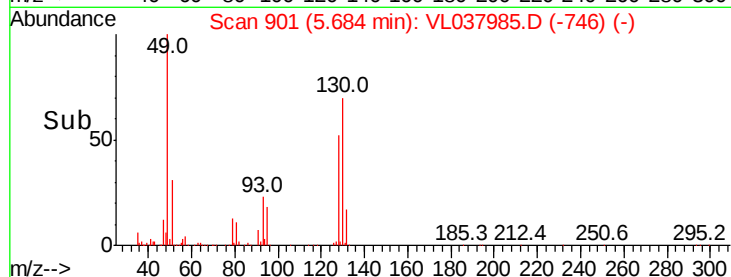
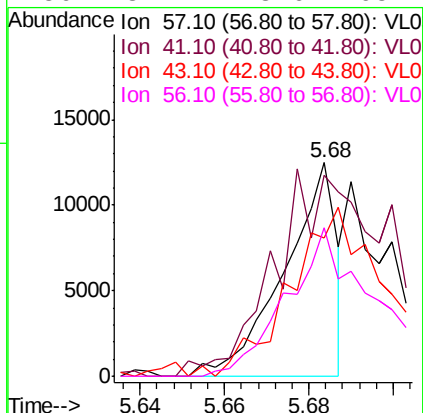
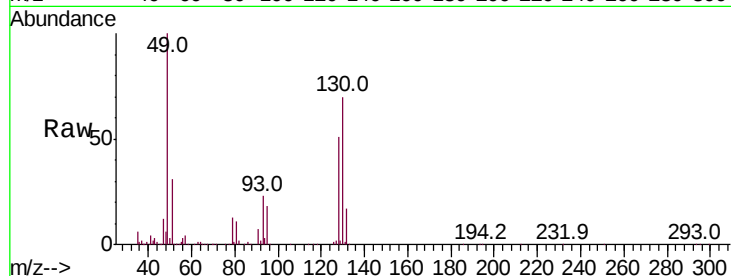
86 62.4 47.3 70.9





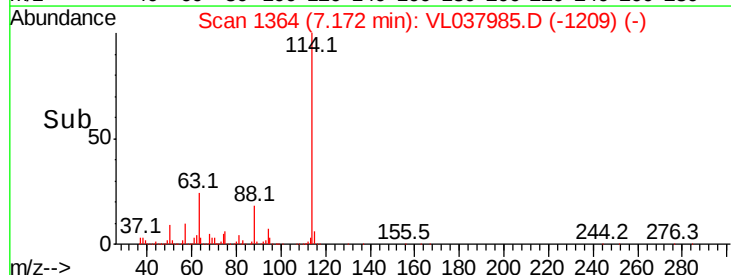
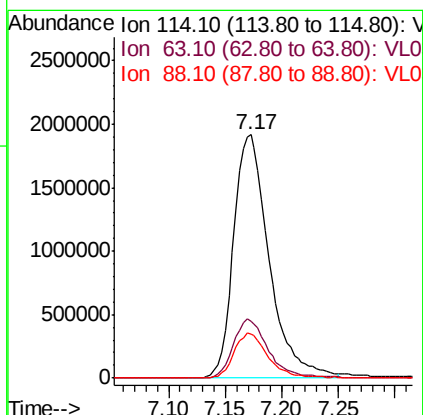
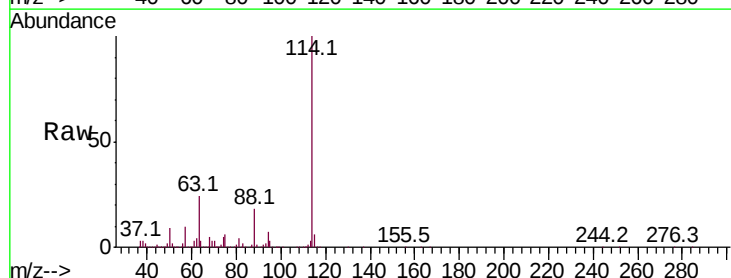
#26
Hexane
Concen: 0.064 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Nov 2021 18:47

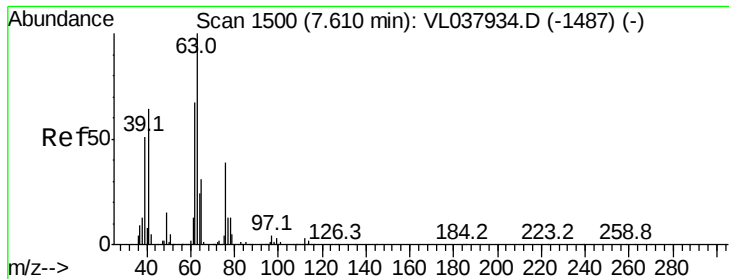
Tot Ion: 57 Resp: 10727
Ion Ratio Lower Upper
57 100
41 233.8 71.0 106.6#
43 0.0 173.0 259.6#
56 134.1 43.6 65.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL037985.D
Acq: 9 Nov 2021 18:47

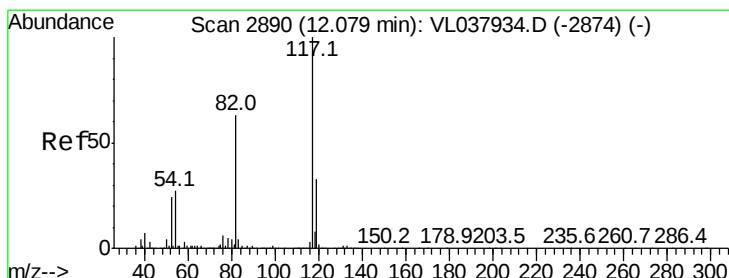
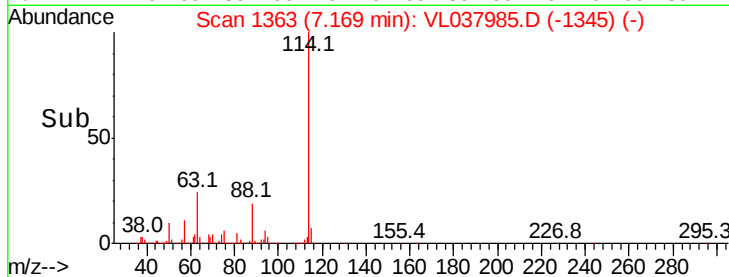
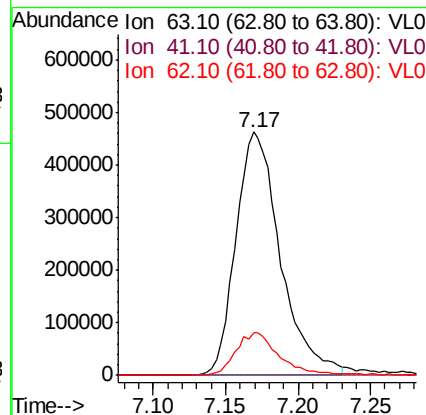
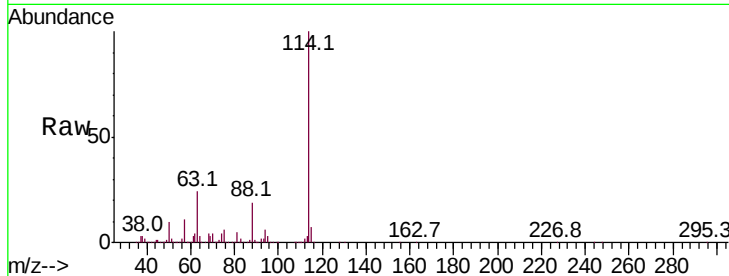
Tgt Ion: 114 Resp: 4193838
Ion Ratio Lower Upper
114 100
63 24.2 19.4 29.0
88 18.1 14.2 21.4





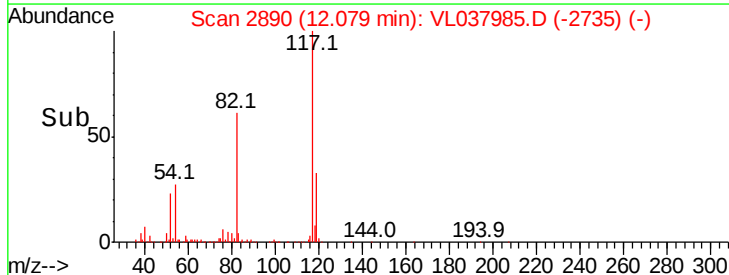
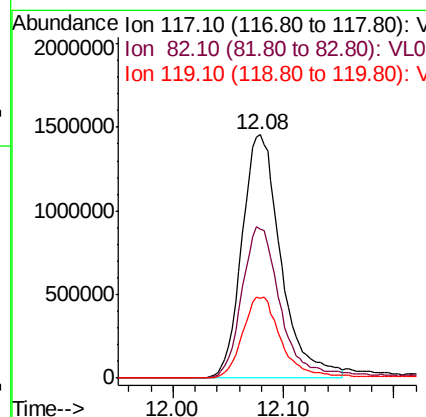
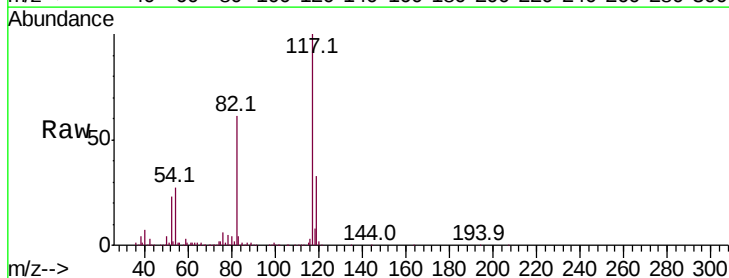
#39
 1,2-Dichloropropane
 Concen: 7.641 ppbv
 RT: 7.17
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 9 Nov 2021 18:47

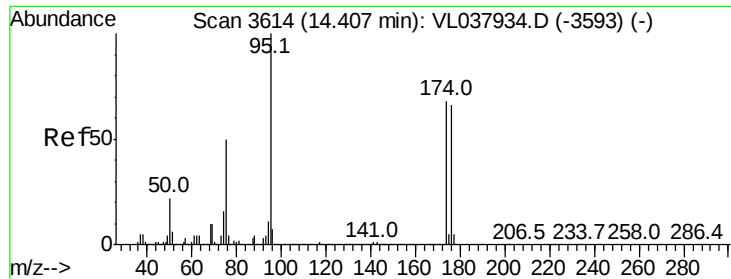
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	17.3	53.5	80.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2890
 Delta R.T.: -0.00 min
 Lab File: VL037985.D
 Acq: 9 Nov 2021 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.0	51.0	76.6
119	35.0	26.9	40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.294 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Nov 2021 18:47

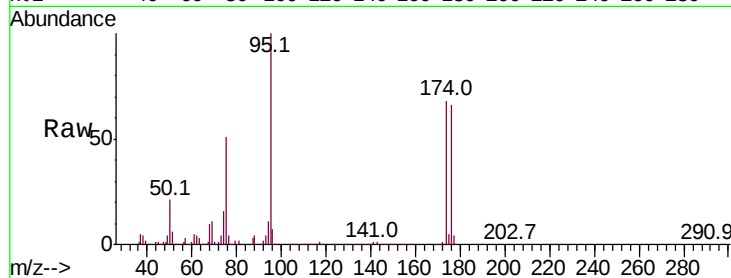
Tot Ion: 95 Resp: 2412199

Ion Ratio Lower Upper

95 100

174 76.4 58.3 87.5

175 5.5 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

