

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038020.D
 Acq On : 11 Nov 2021 9:31
 Operator : SY/AP
 Sample : M4598-04DL2 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 12 05:52:59 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	5.65	49	1264791	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3939242	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3467268	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2446672	9.71	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

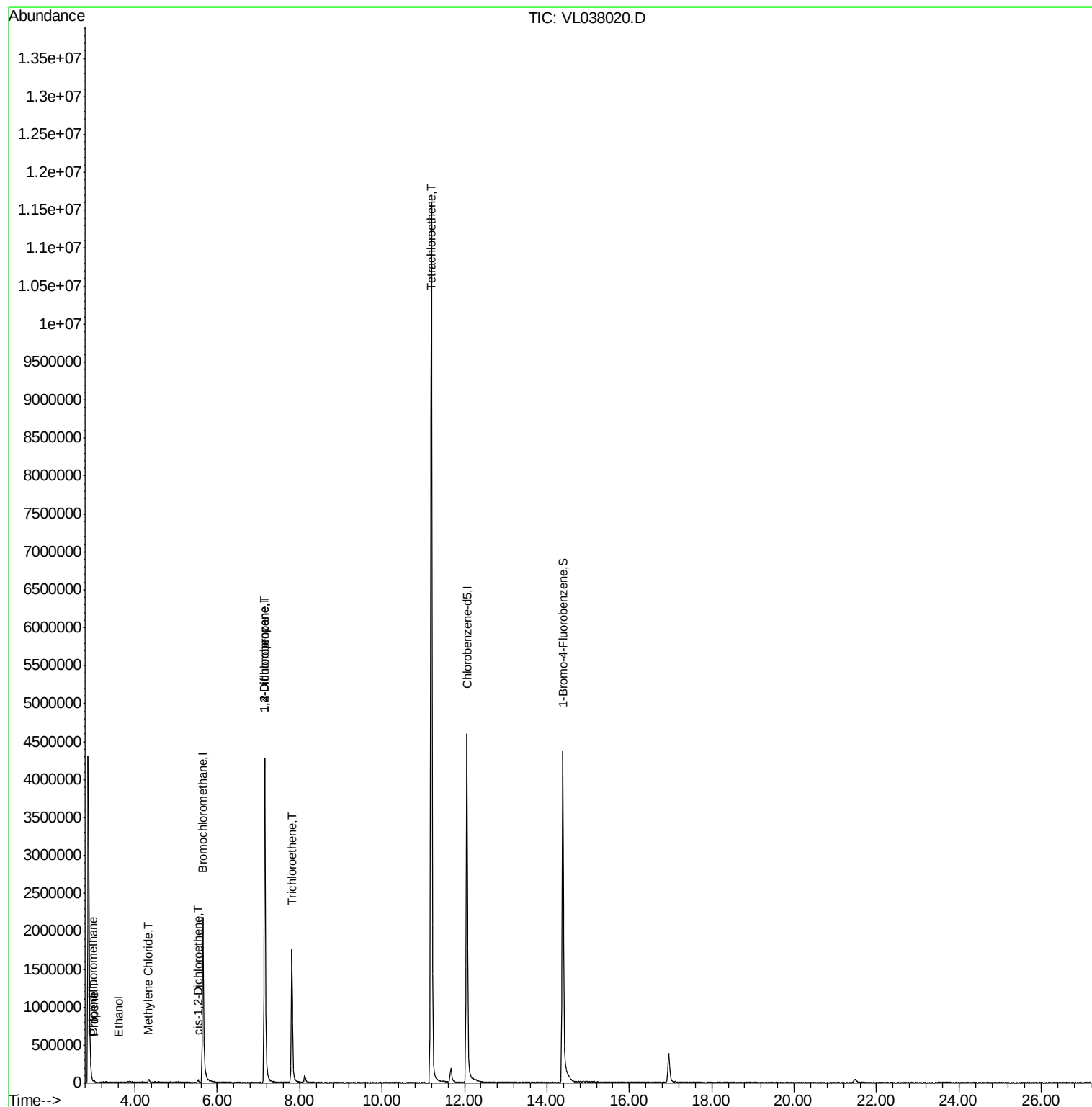
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	8658	0.037	ppbv	96
9) Propene	3.01	41	4977	0.059	ppbv #	66
13) Ethanol	3.61	45	484	0.057	ppbv	91
20) Methylene Chloride	4.33	84	8522	0.149	ppbv #	76
31) cis-1,2-Dichloroethene	5.54	61	9535	0.071	ppbv	92
38) Trichloroethene	7.81	130	679719	5.105	ppbv	97
39) 1,2-Dichloropropane	7.15	63	916186	7.590	ppbv #	27
52) Tetrachloroethene	11.20	164	3455766	28.397	ppbv	96

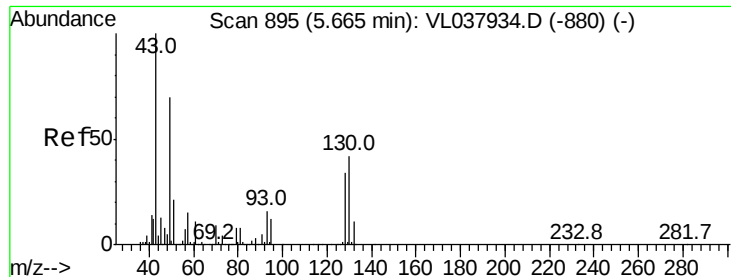
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 02 05:54:07 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 11 Nov 2021 9:31

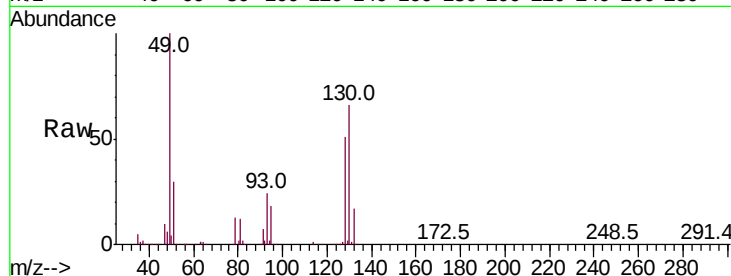
Tot Ion: 49 Resp: 1264791

Ion Ratio Lower Upper

49 100

128 54.0 27.0 81.0

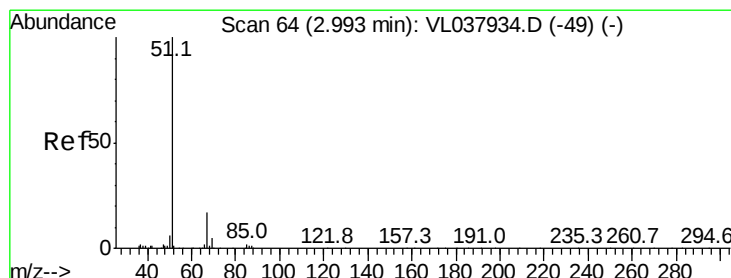
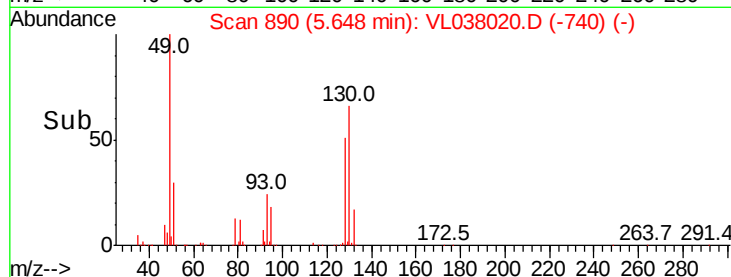
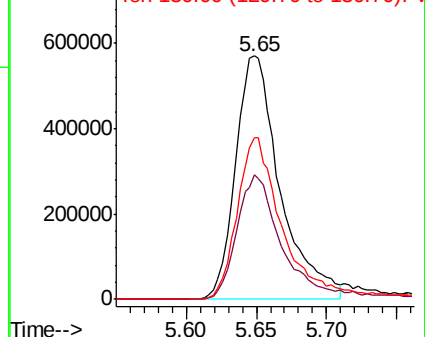
130 70.2 33.4 100.2



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



#3

Chlorodifluoromethane

Concen: 0.037 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL038020.D

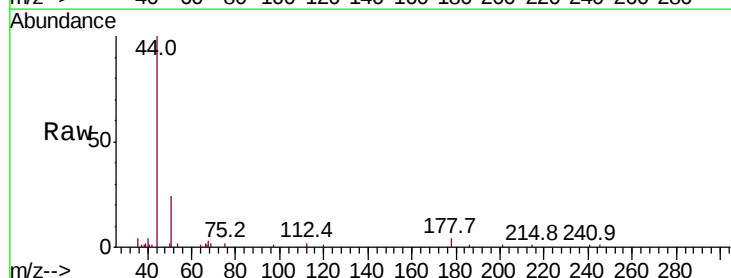
Acq: 11 Nov 2021 9:31

Tgt Ion: 51 Resp: 8658

Ion Ratio Lower Upper

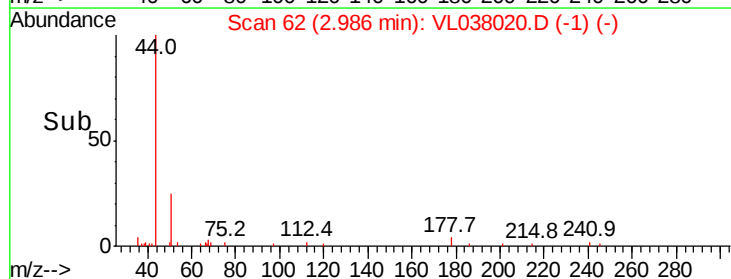
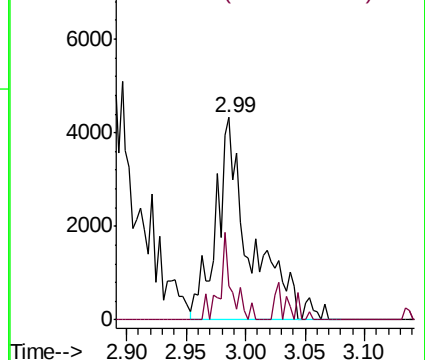
51 100

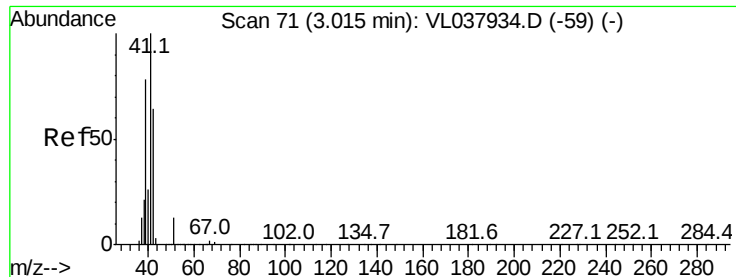
67 14.9 13.4 20.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.059 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

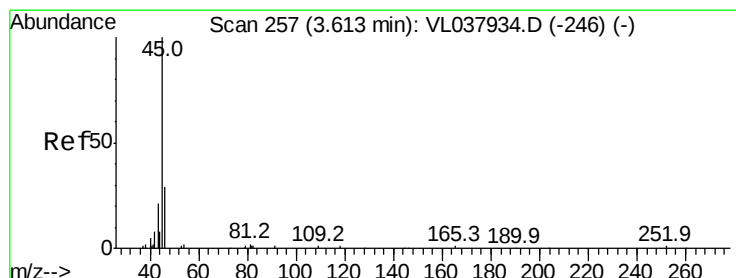
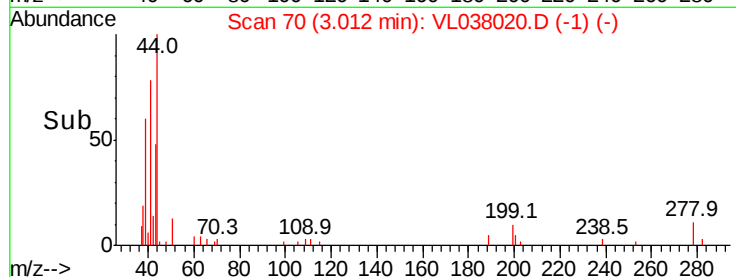
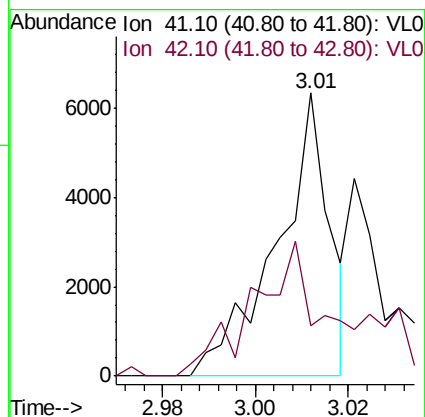
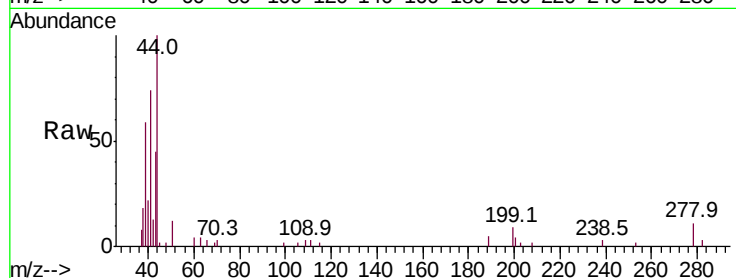
Acq: 11 Nov 2021 9:31

Tot Ion: 41 Resp: 4977

Ion Ratio Lower Upper

41 100

42 100.4 57.6 86.4#



#13

Ethanol

Concen: 0.057 ppbv

RT: 3.61 min Scan# 257

Delta R.T. -0.00 min

Lab File: VL038020.D

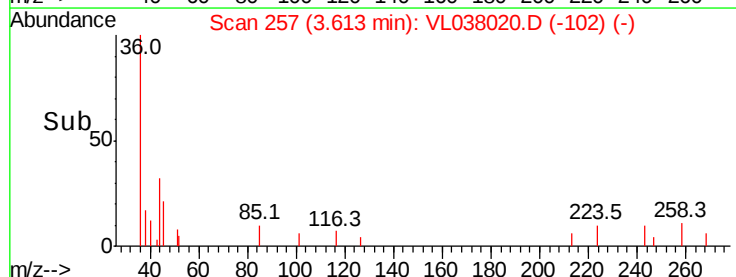
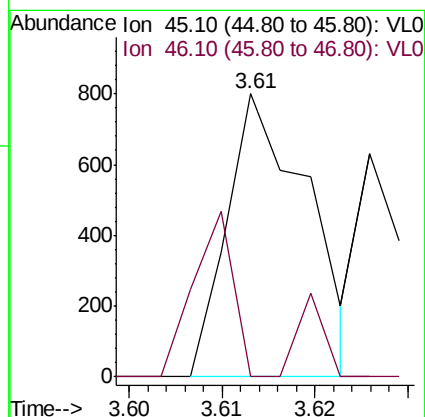
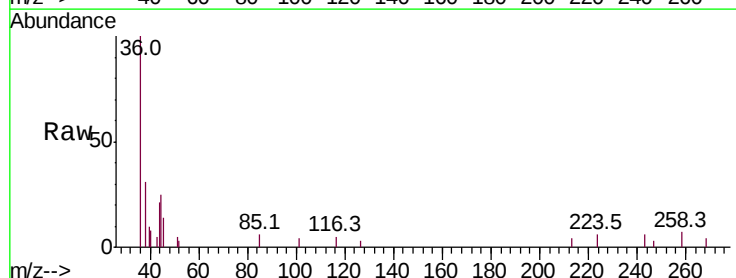
Acq: 11 Nov 2021 9:31

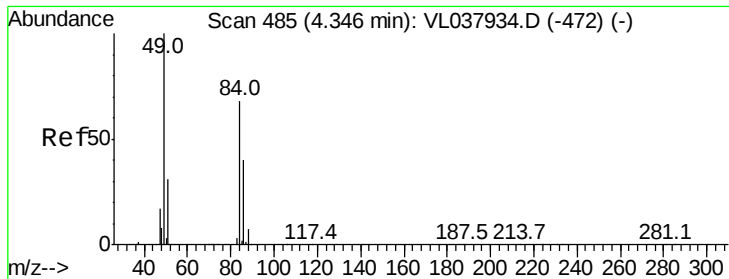
Tgt Ion: 45 Resp: 484

Ion Ratio Lower Upper

45 100

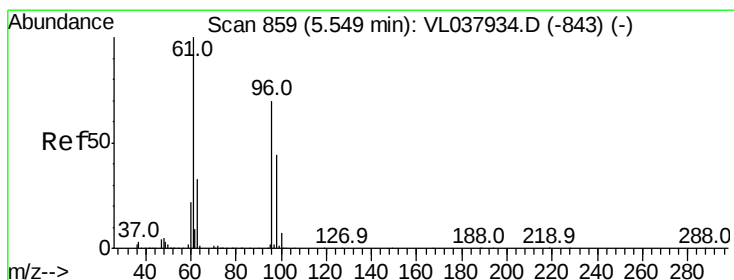
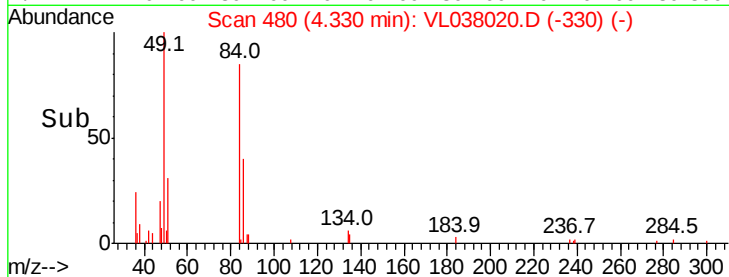
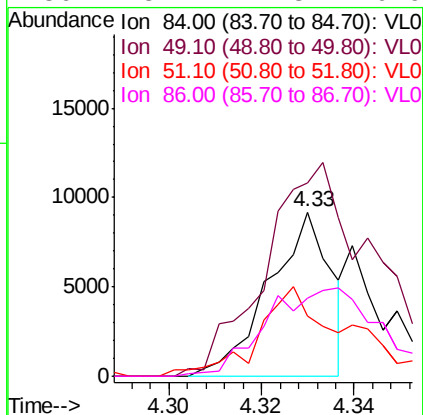
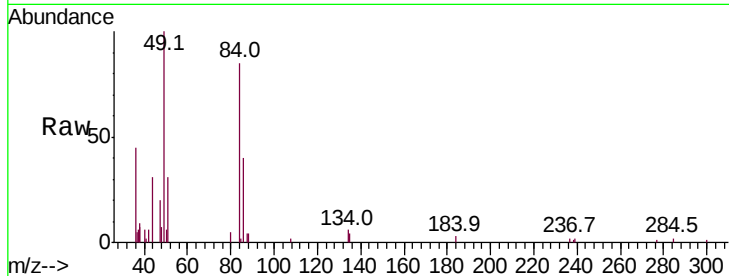
46 38.0 17.4 69.8





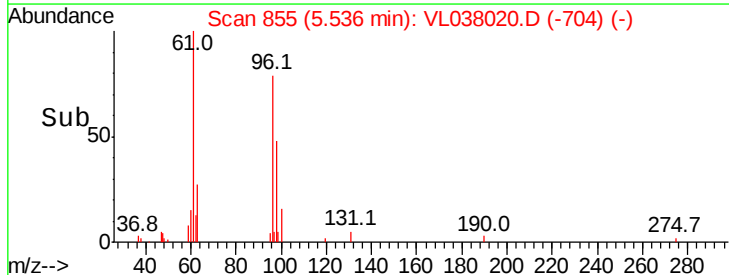
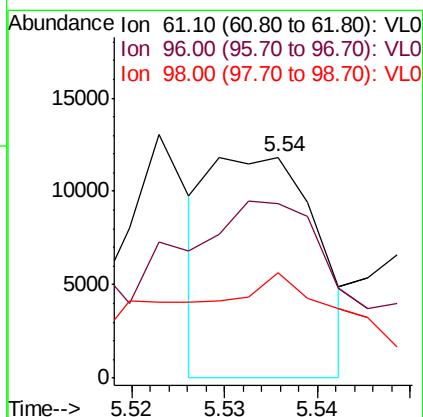
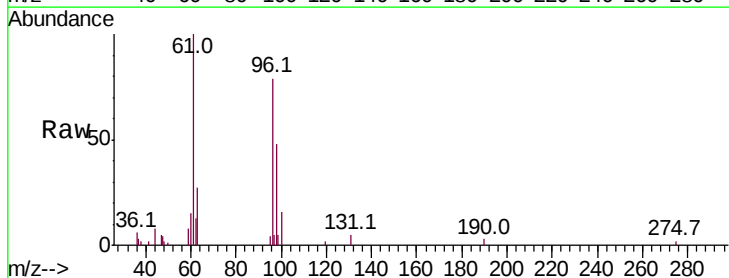
#20
Methylene Chloride
Concen: 0.149 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Nov 2021 9:31

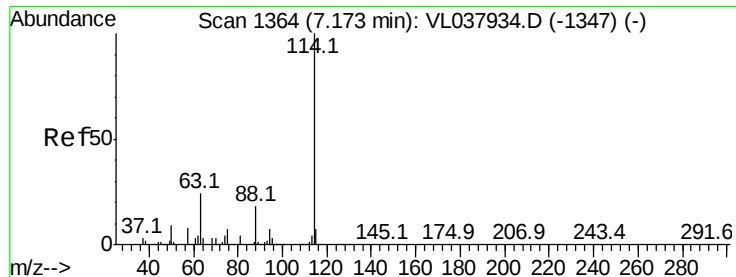
Tot Ion: 84 Resp: 8522
Ion Ratio Lower Upper
84 100
49 112.7 117.5 176.3#
51 32.7 35.9 53.9#
86 45.4 47.3 70.9#



#31
cis-1,2-Dichloroethene
Concen: 0.071 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL038020.D
Acq: 11 Nov 2021 9:31

Tgt Ion: 61 Resp: 9535
Ion Ratio Lower Upper
61 100
96 65.1 55.6 83.4
98 35.2 34.9 52.3

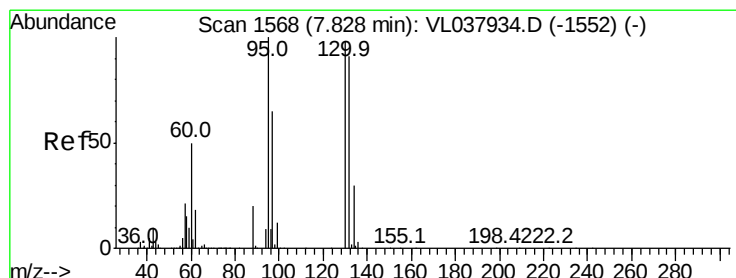
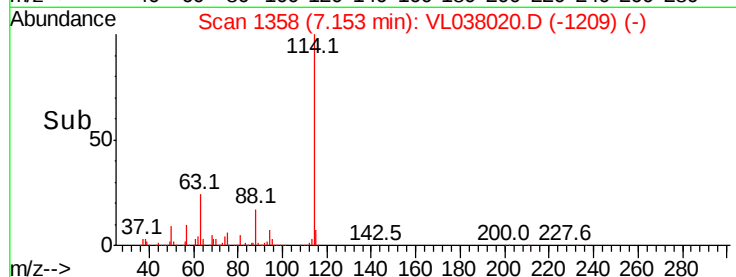
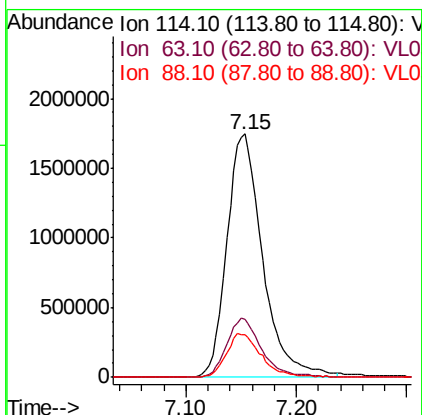
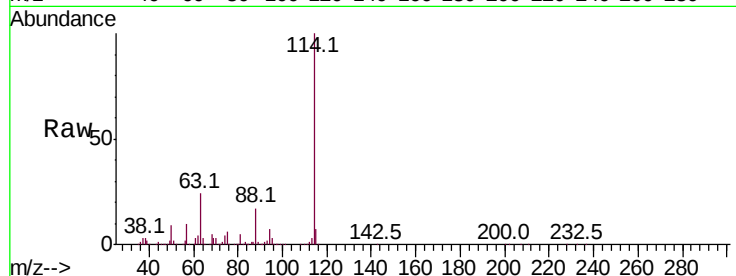




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Nov 2021 9:31

Tot Ion:114 Resp: 3939242

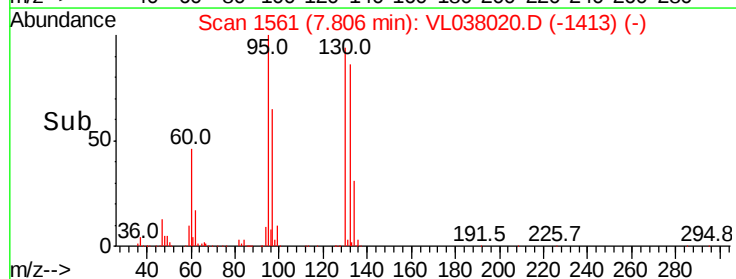
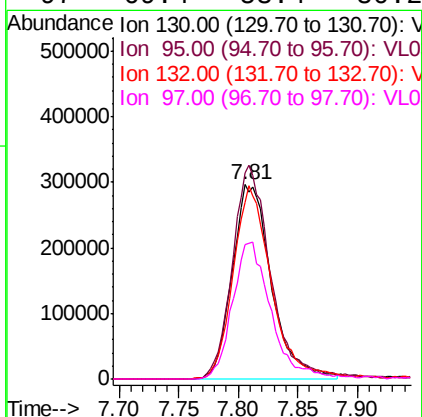
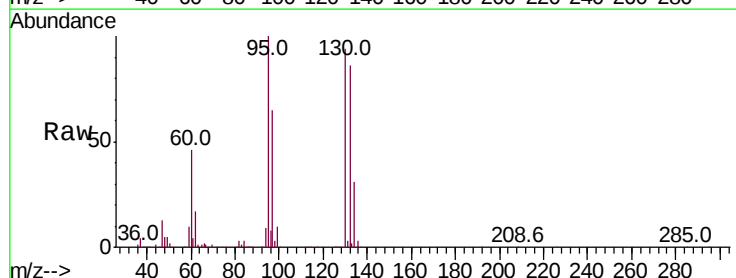
Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.8	14.2	21.4

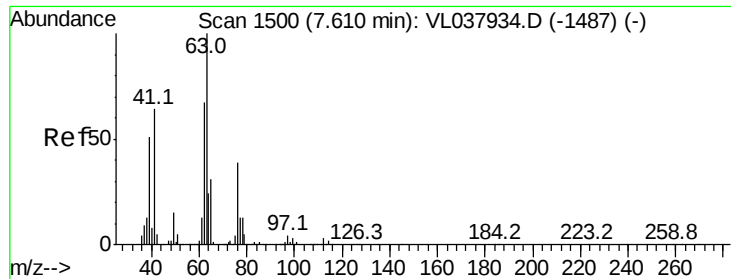


#38
 Trichloroethene
 Concen: 5.105 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: VL038020.D
 Acq: 11 Nov 2021 9:31

Tgt Ion:130 Resp: 679719

Ion	Ratio	Lower	Upper
130	100		
95	106.2	81.8	122.8
132	91.3	74.2	111.2
97	69.4	53.4	80.2





#39

1,2-Dichloropropane

Concen: 7.590 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Nov 2021 9:31

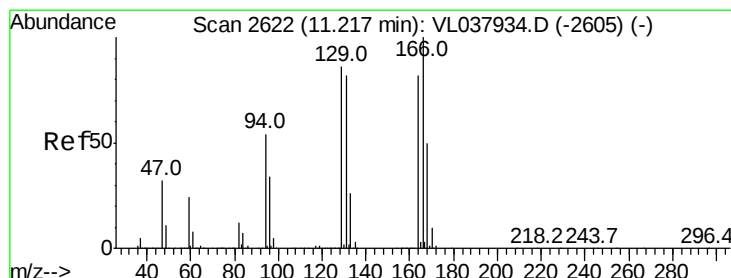
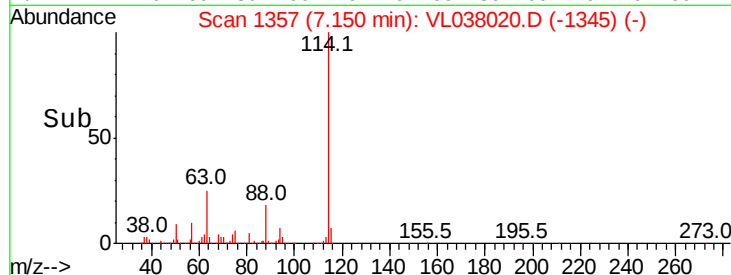
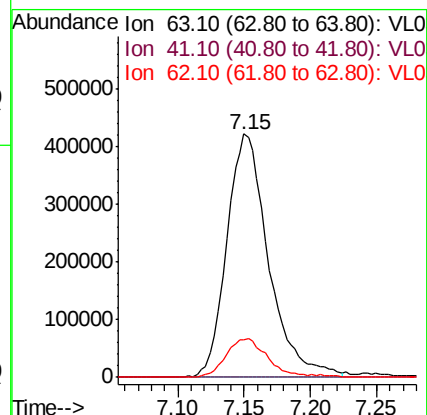
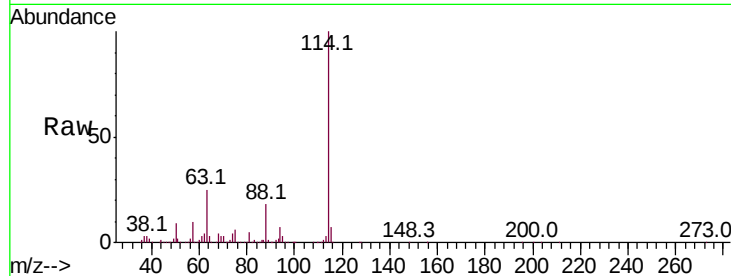
Tot Ion: 63 Resp: 916186

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 15.6 53.5 80.3#



#52

Tetrachloroethene

Concen: 28.397 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.02 min

Lab File: VL038020.D

Acq: 11 Nov 2021 9:31

Tgt Ion: 164 Resp: 3455766

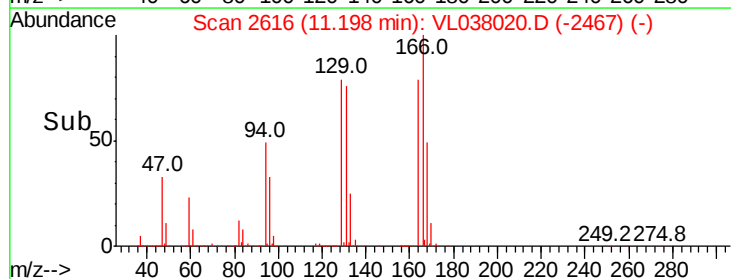
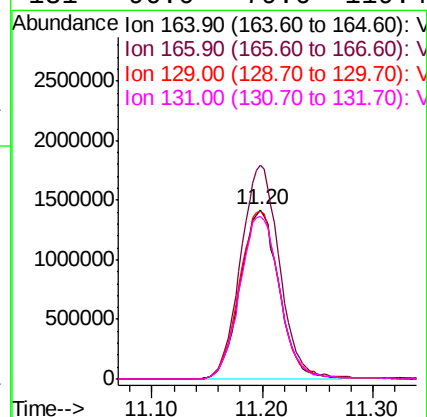
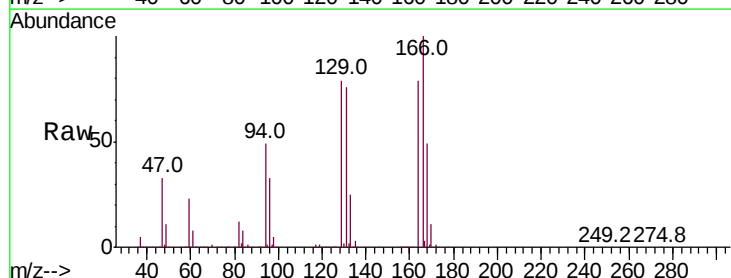
Ion Ratio Lower Upper

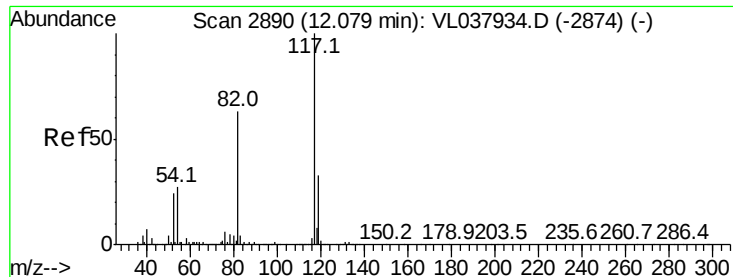
164 100

166 126.1 97.6 146.4

129 99.3 84.2 126.2

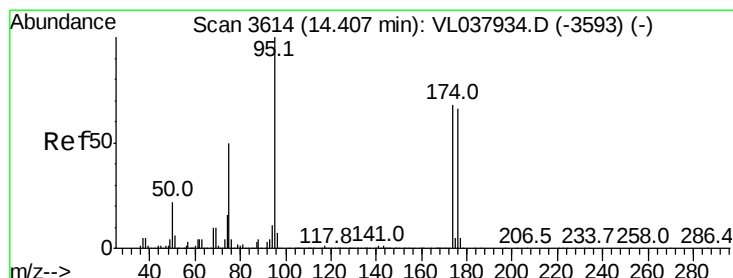
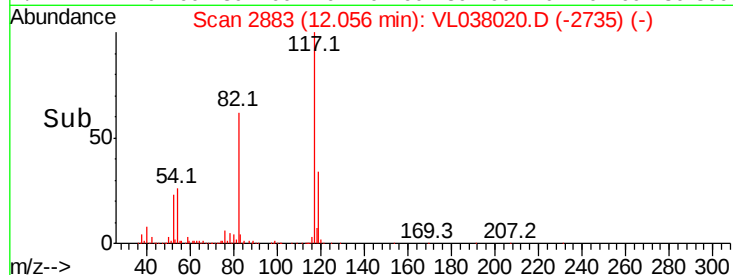
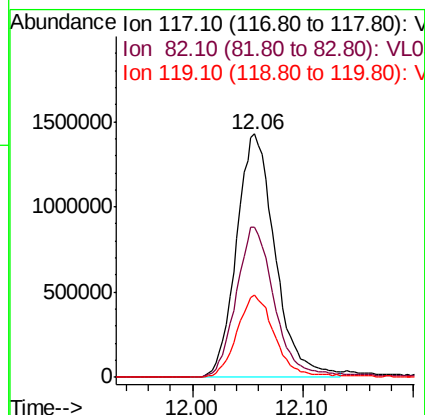
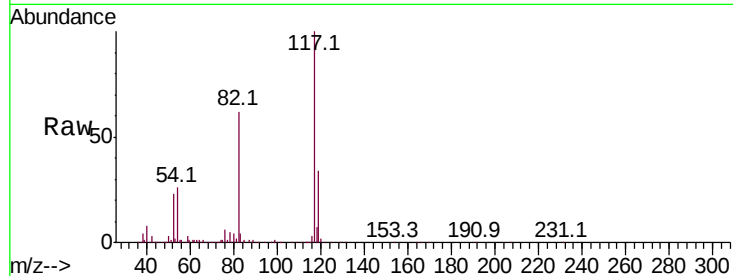
131 96.0 79.6 119.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Nov 2021 9:31

Tot Ion: 117 Resp: 3467268
Ion Ratio Lower Upper
117 100
82 62.9 51.0 76.6
119 34.2 26.9 40.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.708 ppbv
RT: 14.38 min Scan# 3607
Delta R.T.: -0.02 min
Lab File: VL038020.D
Acq: 11 Nov 2021 9:31

Tgt Ion: 95 Resp: 2446672
Ion Ratio Lower Upper
95 100
174 75.0 58.3 87.5
175 5.8 4.6 6.8

