

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052521\
 Data File : VL037061.D
 Acq On : 25 May 2021 15:14
 Operator : SY/AP
 Sample : M2262-15 0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Quant Time: May 26 01:12:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1054710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3116466	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2697072	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1998434	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

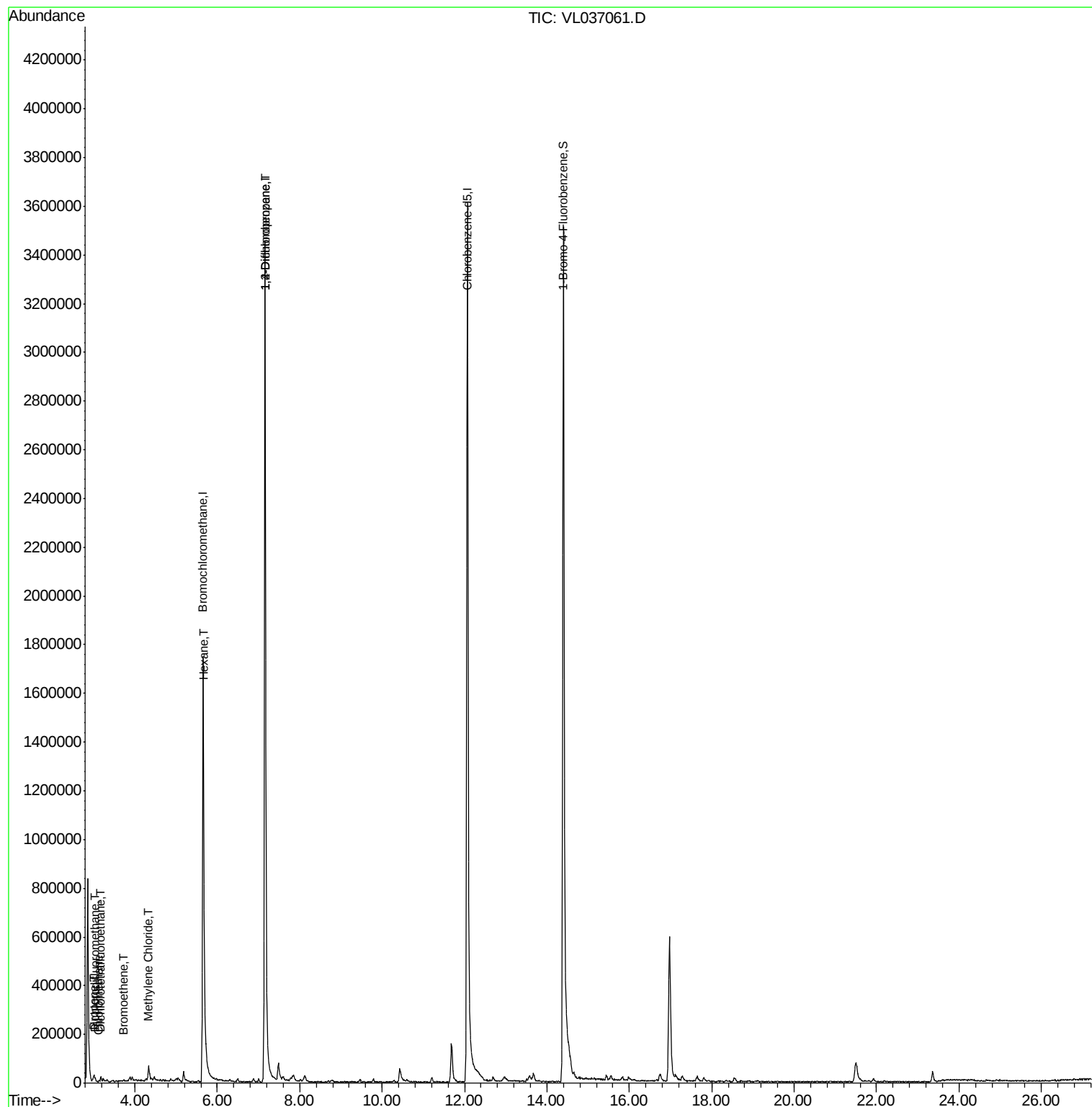
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	10457	0.058	ppbv #	78
4) Chloromethane	3.12	50	3946	0.060	ppbv #	78
8) Dichlorotetrafluoroethane	3.18	85	7219	0.043	ppbv #	72
9) Propene	3.00	41	4326	0.063	ppbv #	1
14) Bromoethene	3.72	108	2057	0.040	ppbv #	79
20) Methylene Chloride	4.33	84	22839	0.394	ppbv	95
26) Hexane	5.67	57	10066	0.076	ppbv #	65
39) 1,2-Dichloropropane	7.16	63	739970	7.156	ppbv #	25

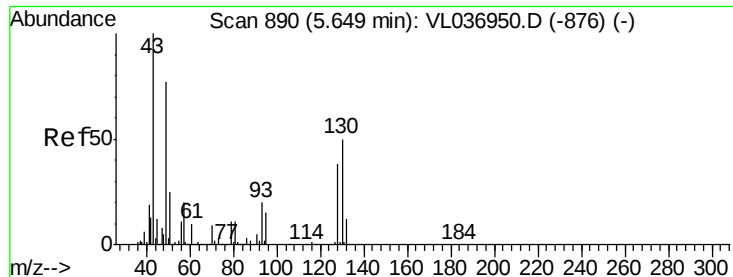
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037061.D

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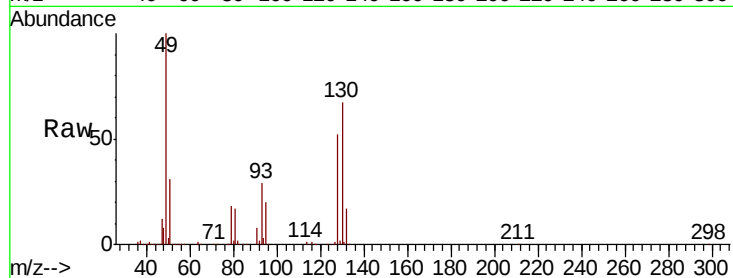
Tot Ion: 49 Resp: 1054710

Ion Ratio Lower Upper

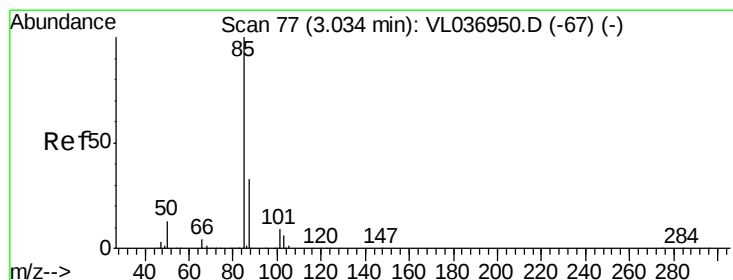
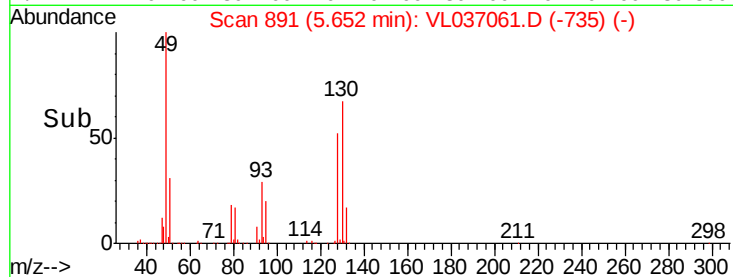
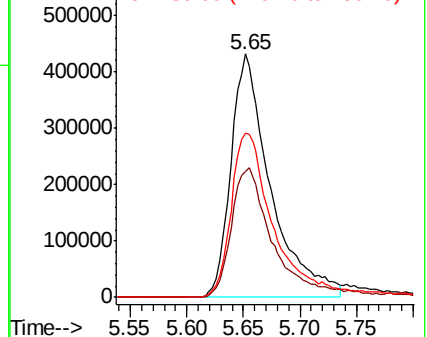
49 100

128 58.9 26.9 80.7

130 74.4 33.8 101.4



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: 0.058 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL037061.D

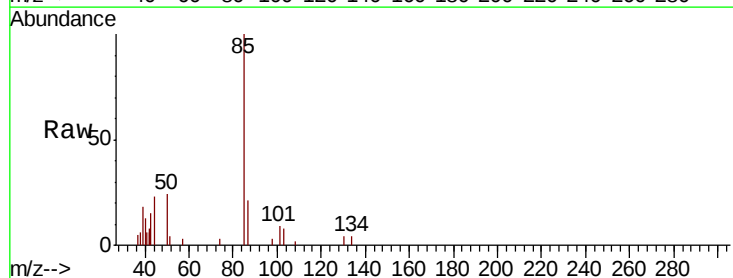
Acq: 25 May 2021 15:14

Tgt Ion: 85 Resp: 10457

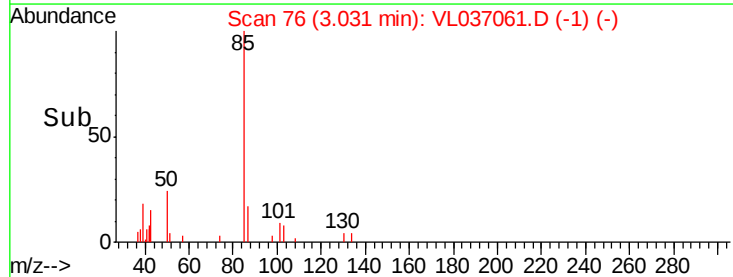
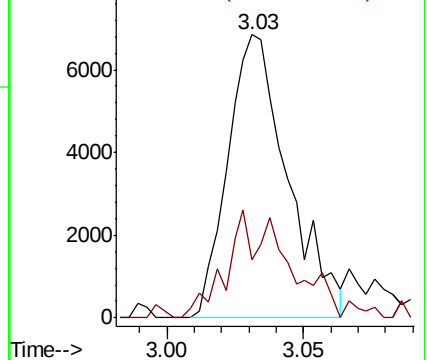
Ion Ratio Lower Upper

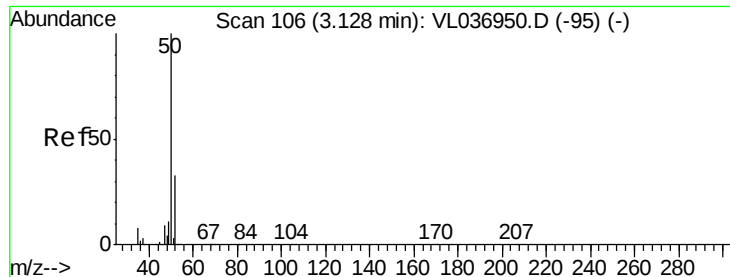
85 100

87 20.7 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.060 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037061.D

Acq: 25 May 2021 15:14

Instrument :

MSVOA_L

ClientSampleId :

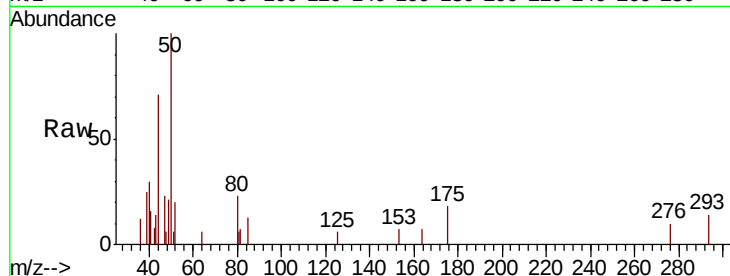
MDL-AIR-03-QT2-2021

Tot Ion: 50 Resp: 3946

Ion Ratio Lower Upper

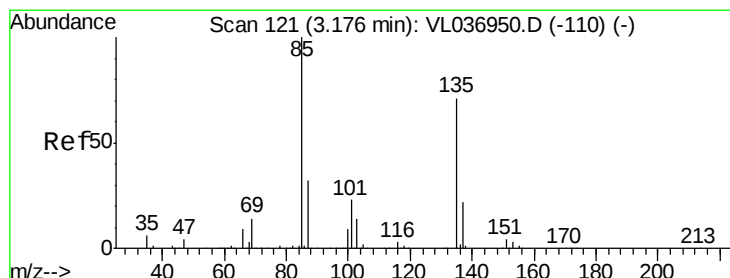
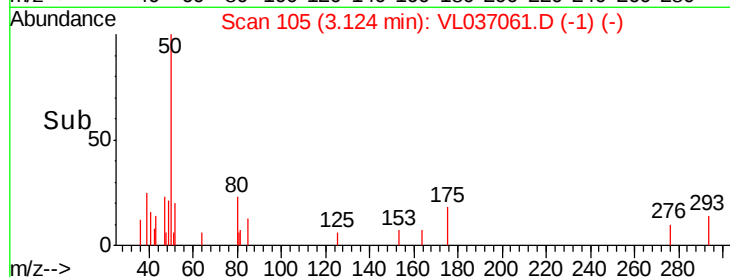
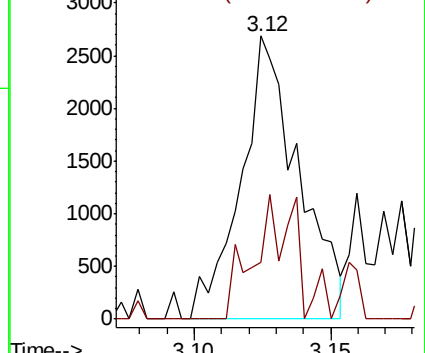
50 100

52 20.1 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.043 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.00 min

Lab File: VL037061.D

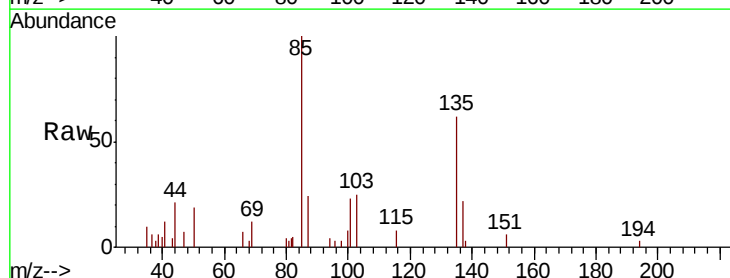
Acq: 25 May 2021 15:14

Tgt Ion: 85 Resp: 7219

Ion Ratio Lower Upper

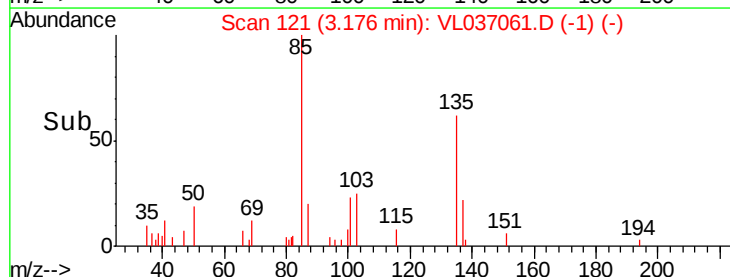
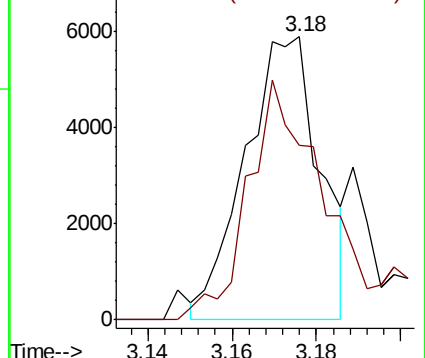
85 100

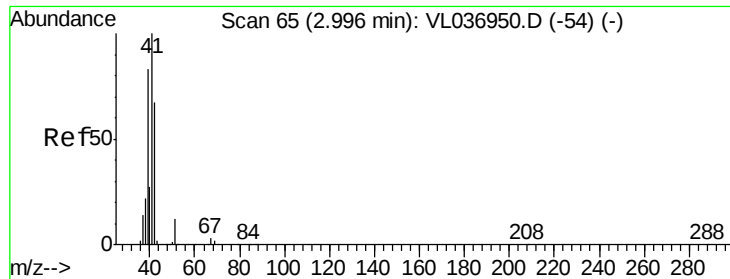
135 95.1 57.7 86.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.063 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037061.D

Acq: 25 May 2021 15:14

Instrument :

MSVOA_L

ClientSampleId :

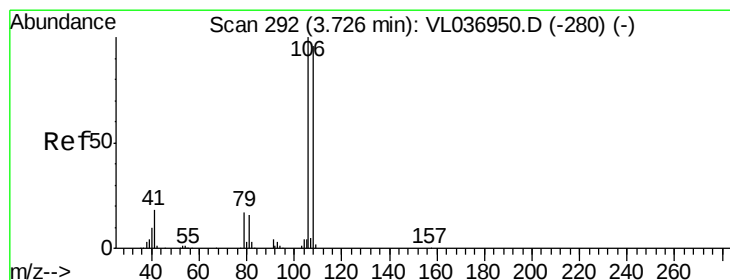
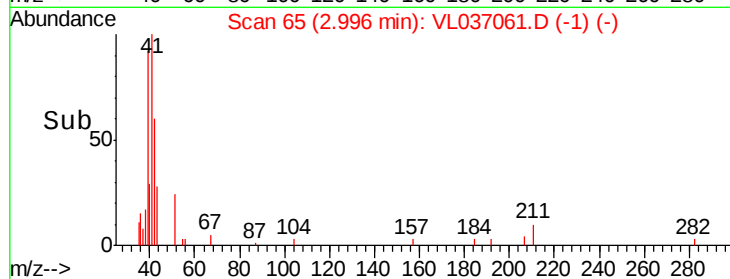
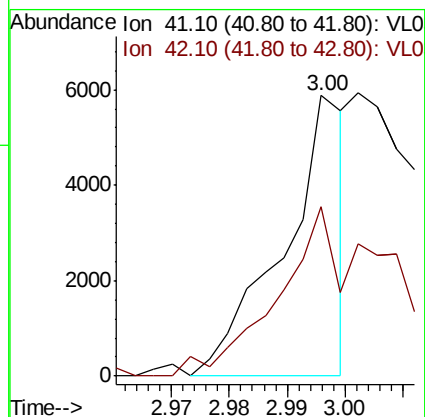
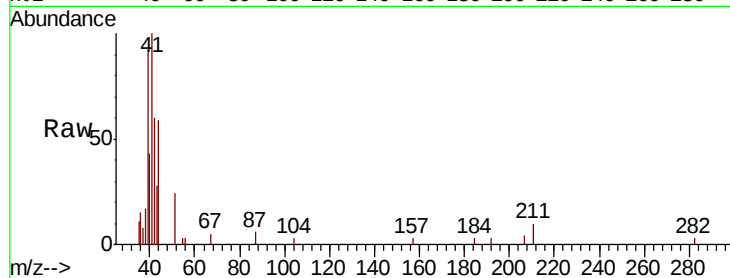
MDL-AIR-03-QT2-2021

Tot Ion: 41 Resp: 4326

Ion Ratio Lower Upper

41 100

42 153.2 53.9 80.9#



#14

Bromoethene

Concen: 0.040 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL037061.D

Acq: 25 May 2021 15:14

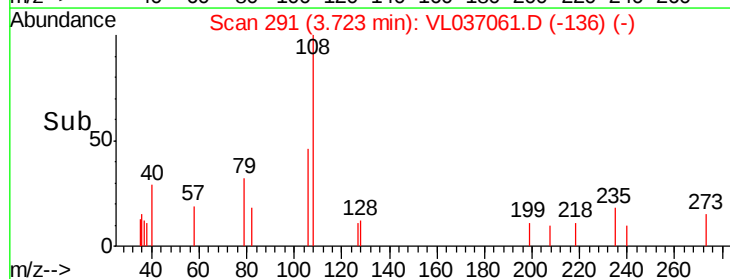
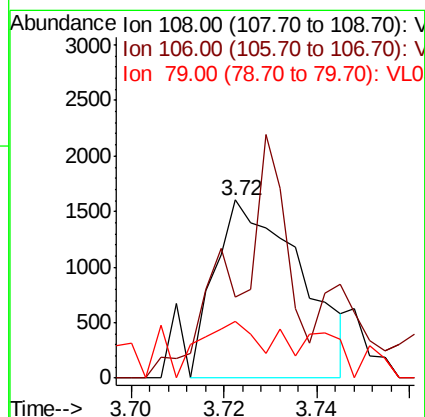
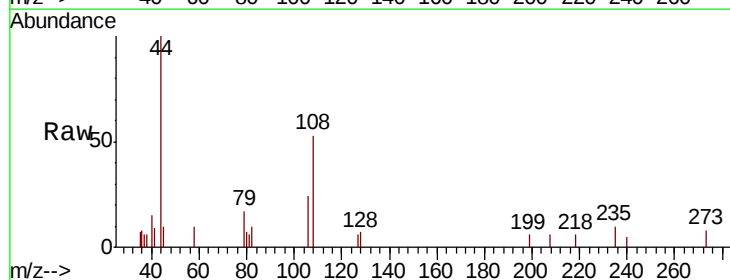
Tgt Ion: 108 Resp: 2057

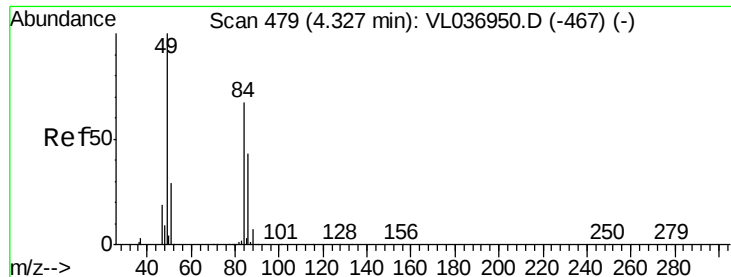
Ion Ratio Lower Upper

108 100

106 124.3 86.5 129.7

79 42.2 15.0 22.4#

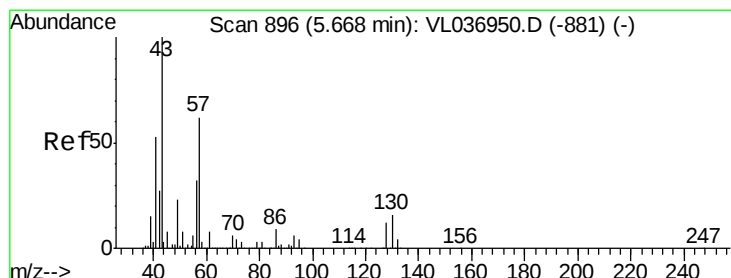
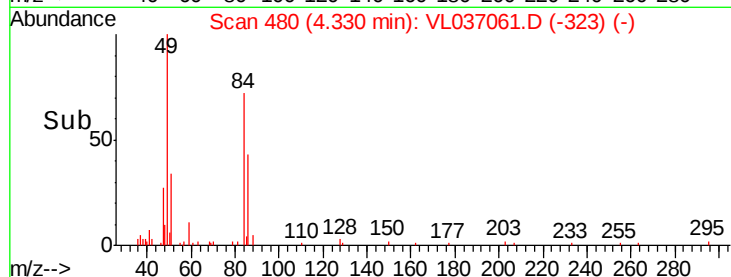
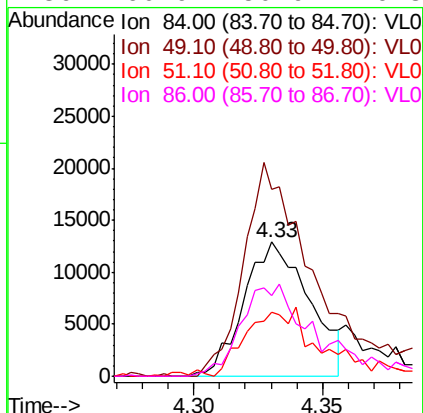
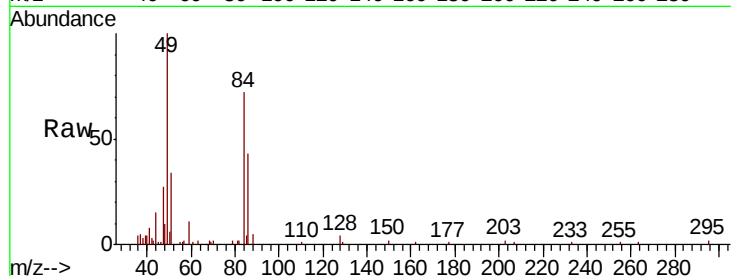




#20
Methvlene Chloride
Concen: 0.394 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037061.D
Acq: 25 May 2021 15:14

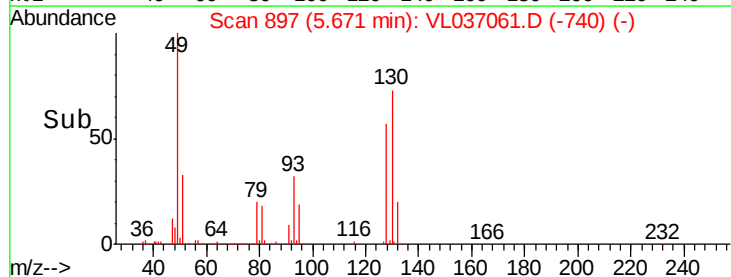
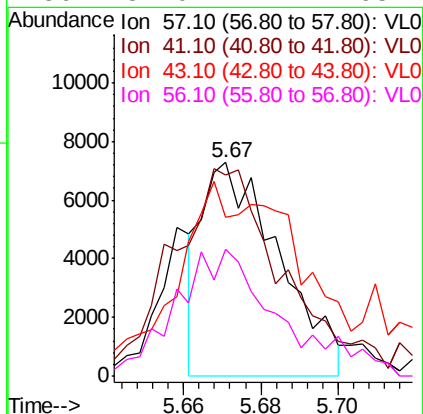
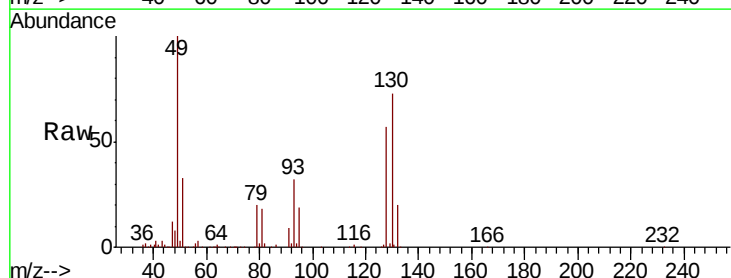
Instrument :
MSVOA_L
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MDL-AIR-03-QT2-2021

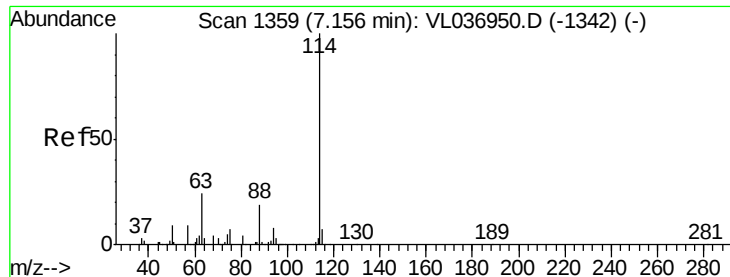
Tot Ion:	84	Resp:	22839
Ion	Ratio	Lower	Upper
84	100		
49	141.6	119.8	179.6
51	47.1	35.1	52.7
86	60.9	50.9	76.3



#26
Hexane
Concen: 0.076 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037061.D
Acq: 25 May 2021 15:14

Tgt Ion:	57	Resp:	10066
Ion	Ratio	Lower	Upper
57	100		
41	162.9	70.5	105.7#
43	184.7	165.8	248.8
56	81.0	42.2	63.4#

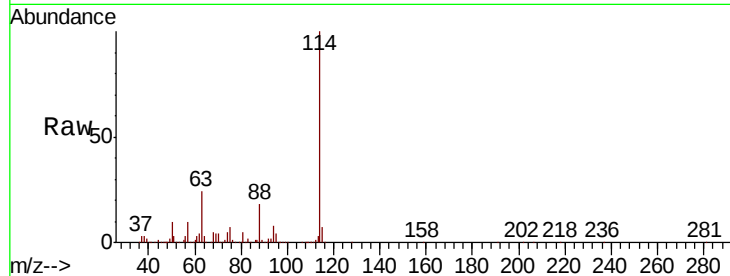




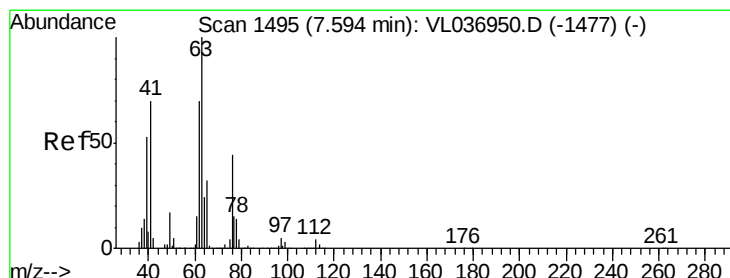
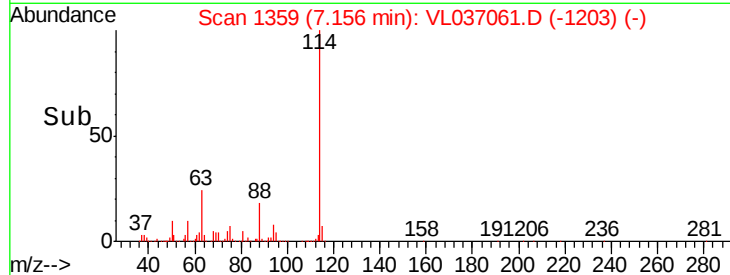
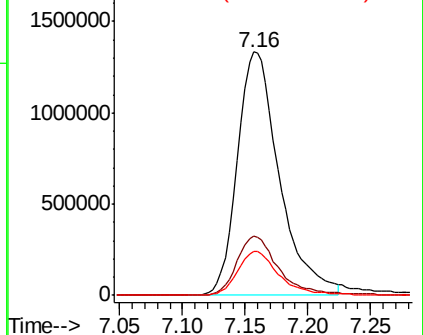
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037061.D
 Acq: 25 May 2021 15:14

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion:114 Resp: 3116466
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 18.1 14.6 21.8

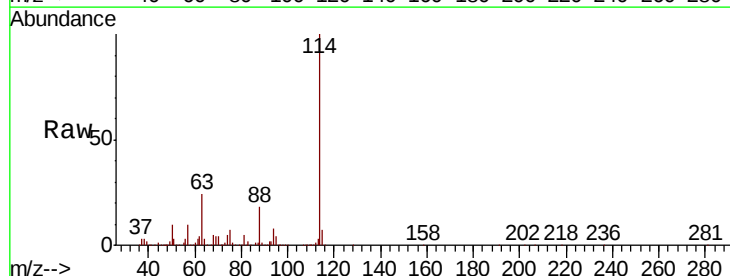


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

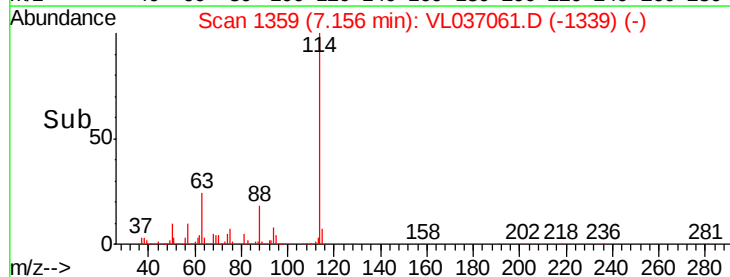
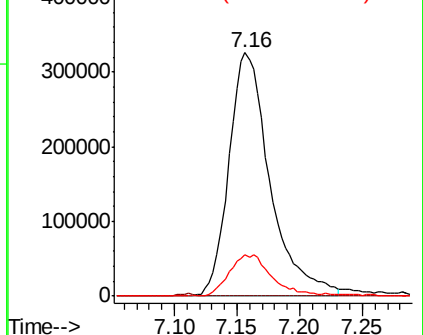


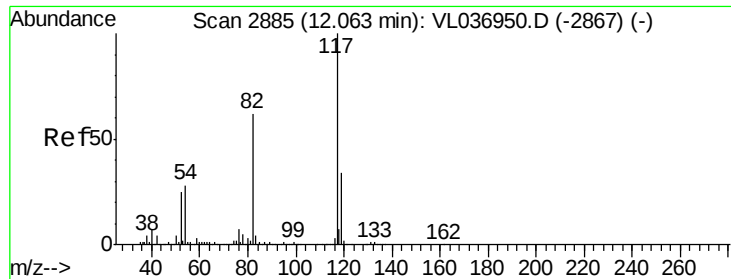
#39
 1,2-Dichloropropane
 Concen: 7.156 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.44 min
 Lab File: VL037061.D
 Acq: 25 May 2021 15:14

Tgt Ion: 63 Resp: 739970
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.7 83.5#
 62 17.0 56.2 84.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

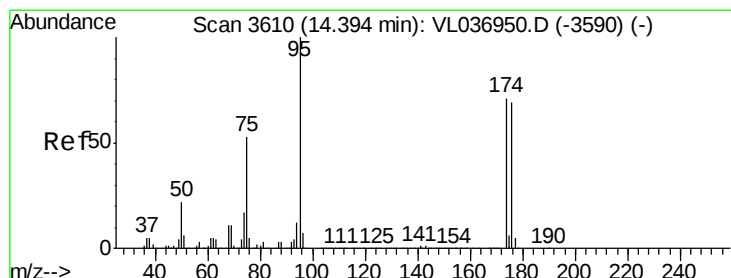
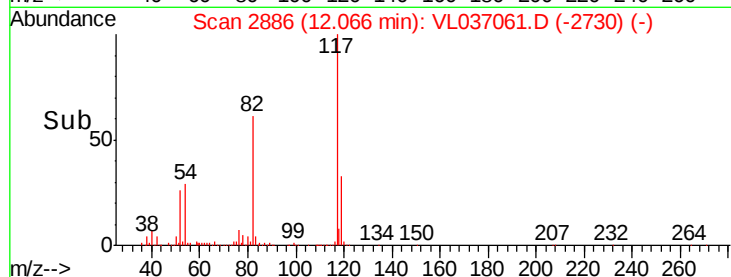
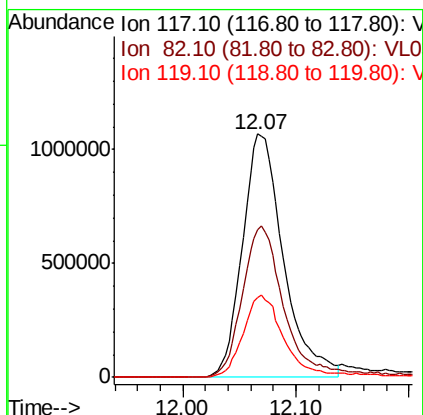
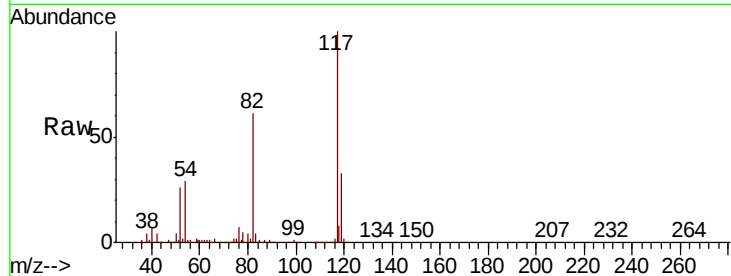




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037061.D
Acq: 25 May 2021 15:14

Instrument :
MSVOA_L
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MDL-AIR-03-QT2-2021

Tot Ion:117 Resp: 2697072
Ion Ratio Lower Upper
117 100
82 66.4 52.6 79.0
119 35.7 46.6 70.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.863 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. 0.01 min
Lab File: VL037061.D
Acq: 25 May 2021 15:14

Tgt Ion: 95 Resp: 1998434
Ion Ratio Lower Upper
95 100
174 75.7 58.4 87.6
175 5.4 4.4 6.6

