

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037923.D
 Acq On : 27 Oct 2021 19:38
 Operator : SY/AP
 Sample : M4068-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2021

Quant Time: Oct 28 05:19:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1264356	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3914911	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3311441	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2270675	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

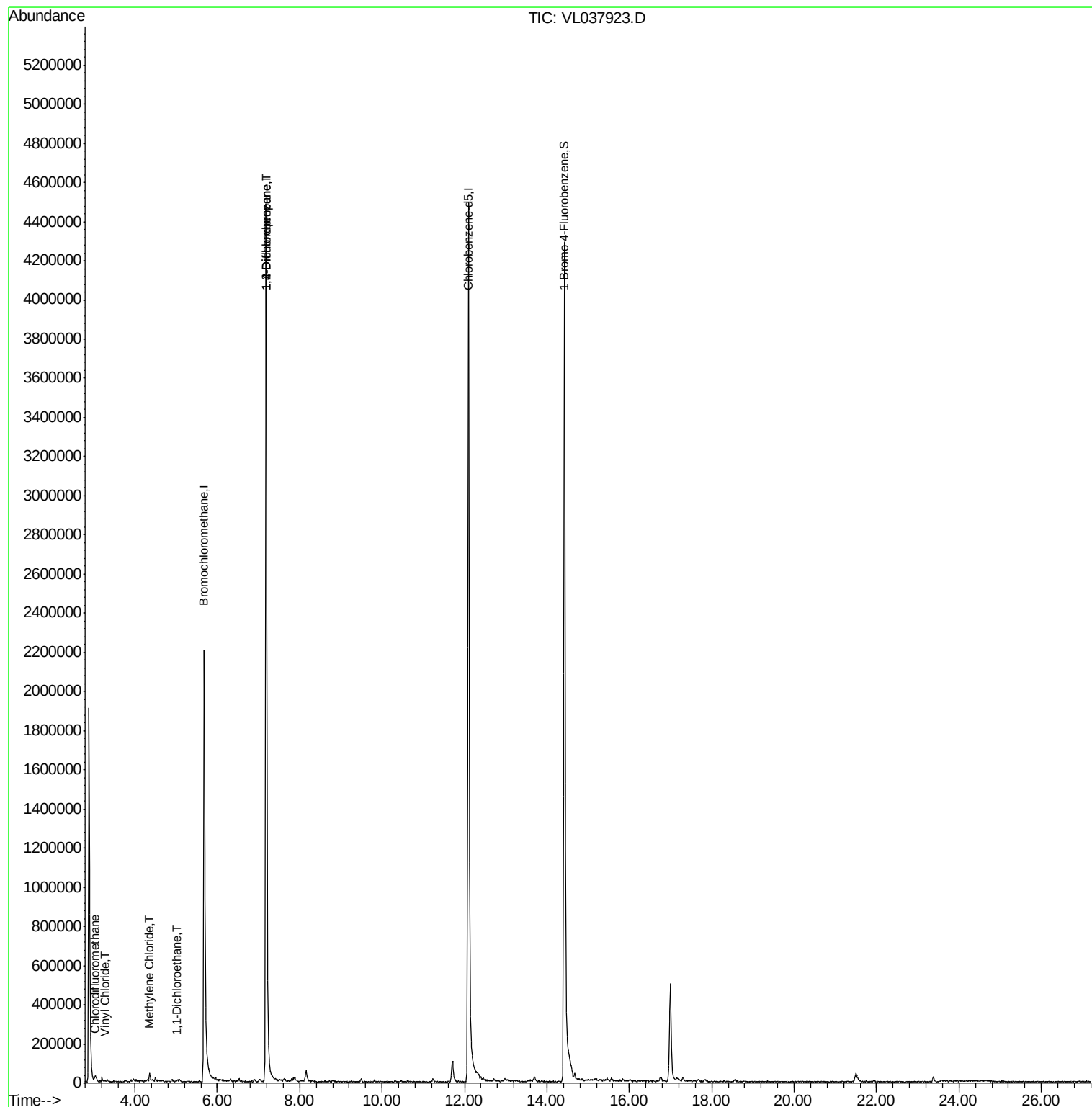
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.01	51	11778	0.048	ppbv #	80
5) Vinyl Chloride	3.27	62	3423	0.042	ppbv #	57
20) Methylene Chloride	4.36	84	4720	0.082	ppbv #	76
24) 1,1-Dichloroethane	5.02	63	4604	0.037	ppbv #	89
39) 1,2-Dichloropropane	7.19	63	915616	7.280	ppbv #	28

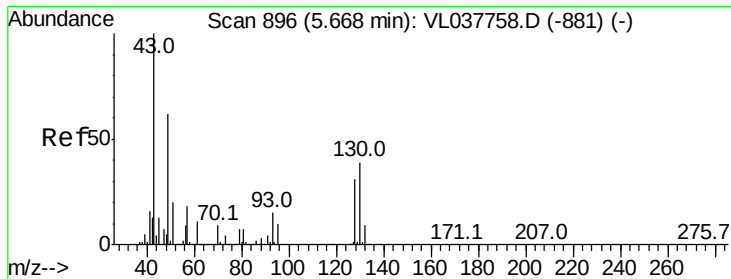
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 19:38

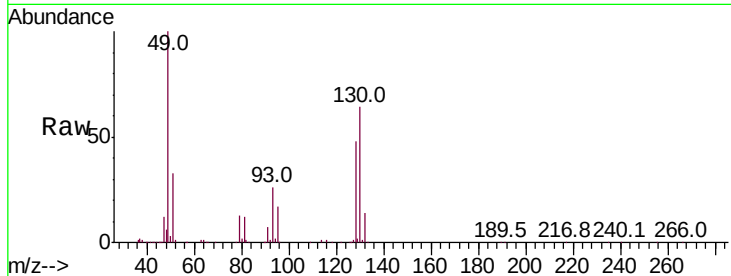
Tot Ion: 49 Resp: 1264356

Ion Ratio Lower Upper

49 100

128 56.6 27.1 81.3

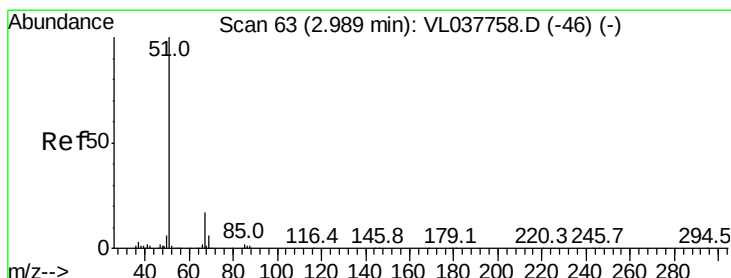
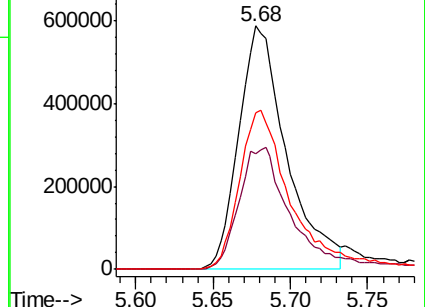
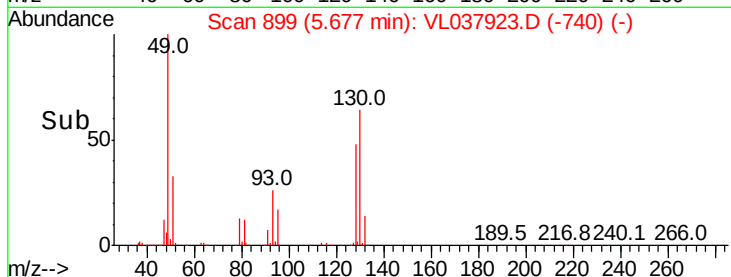
130 73.4 33.2 99.6



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: 0.048 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL037923.D

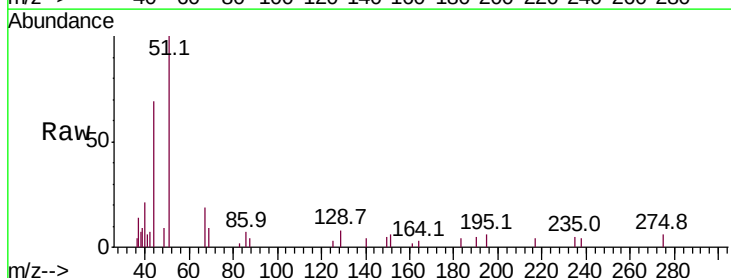
Acq: 27 Oct 2021 19:38

Tgt Ion: 51 Resp: 11778

Ion Ratio Lower Upper

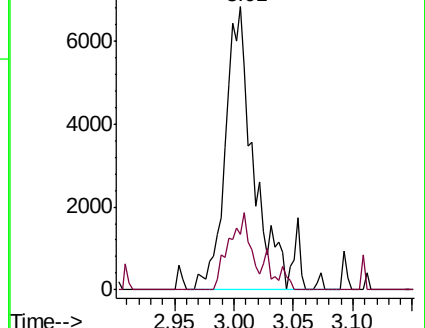
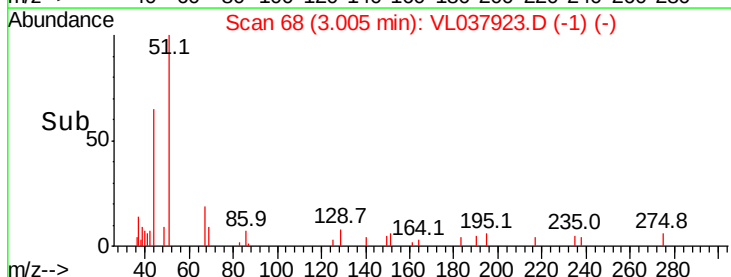
51 100

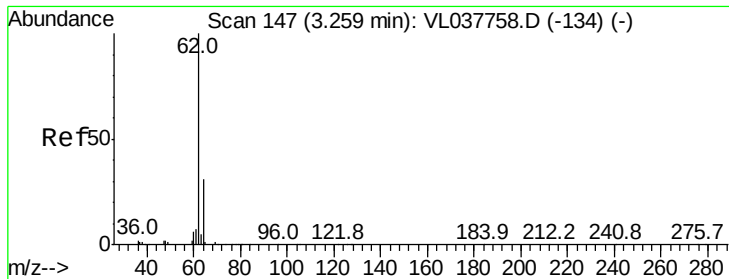
67 25.7 13.5 20.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#5

Vinyl Chloride

Concen: 0.042 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

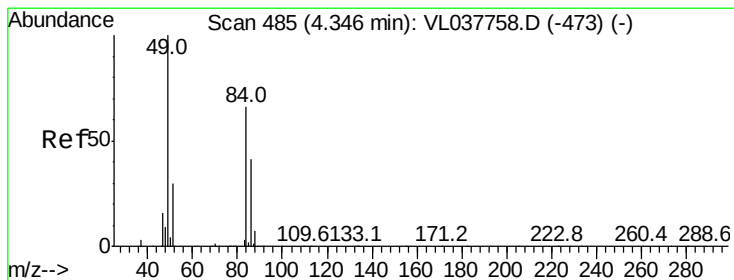
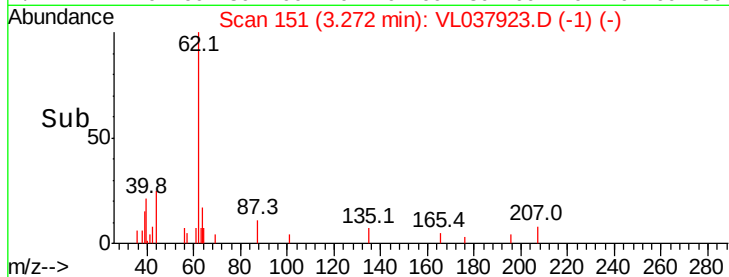
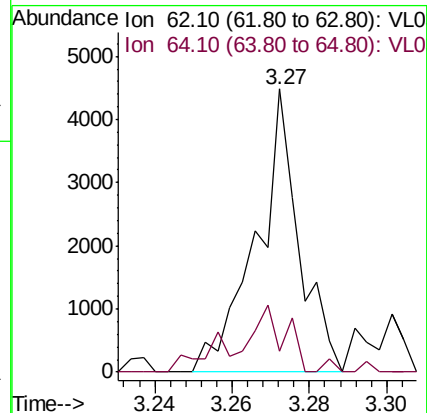
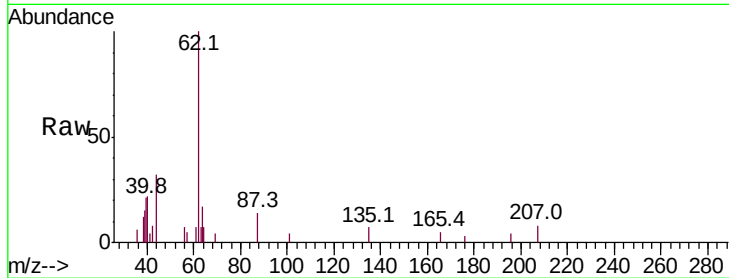
Acq: 27 Oct 2021 19:38

Tot Ion: 62 Resp: 3423

Ion Ratio Lower Upper

62 100

64 7.5 24.9 37.3#



#20

Methylene Chloride

Concen: 0.082 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL037923.D

Acq: 27 Oct 2021 19:38

Tgt Ion: 84 Resp: 4720

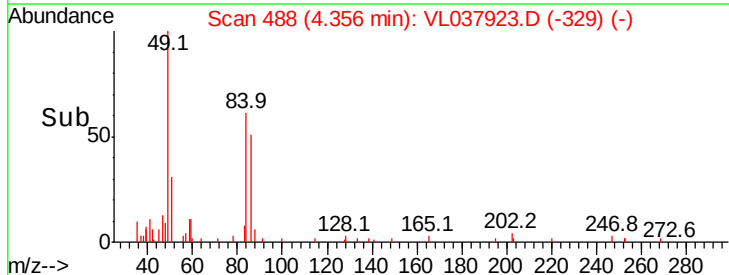
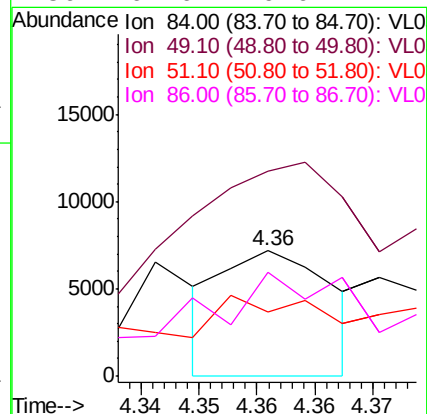
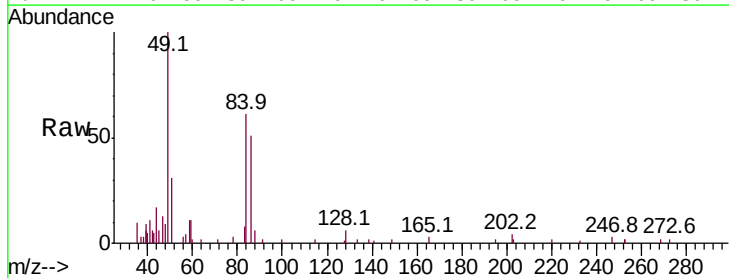
Ion Ratio Lower Upper

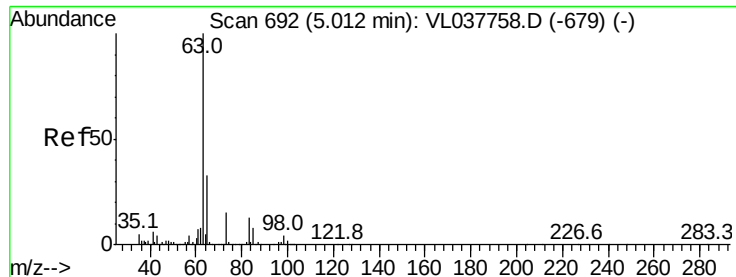
84 100

49 109.4 120.7 181.1#

51 62.1 36.2 54.4#

86 62.6 49.6 74.4





#24

1,1-Dichloroethane

Concen: 0.037 ppbv

RT: 5.02 Instrument: MSVOA_1

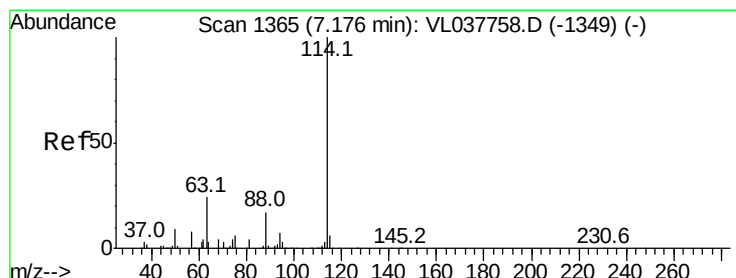
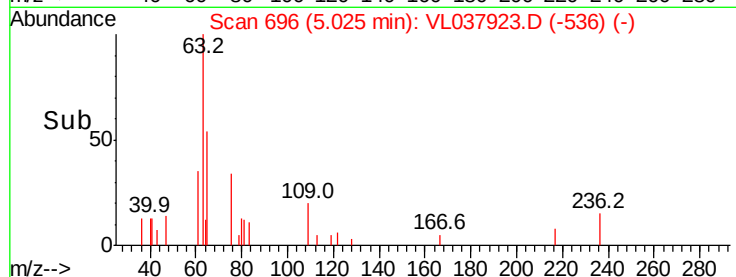
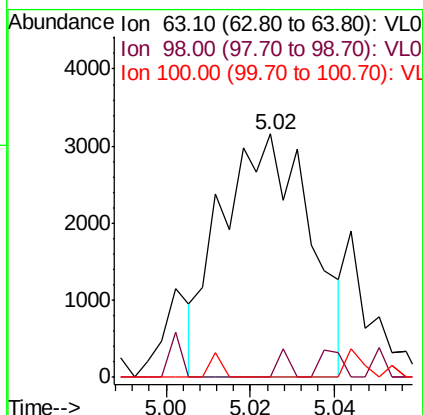
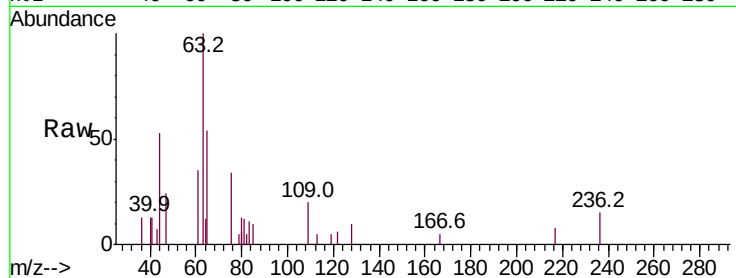
Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-OT4-2021

Acq: 27 Oct 2021 19:38

Tot Ion: 63 Resp: 4604

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.9#
100	0.0	1.1	3.1#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

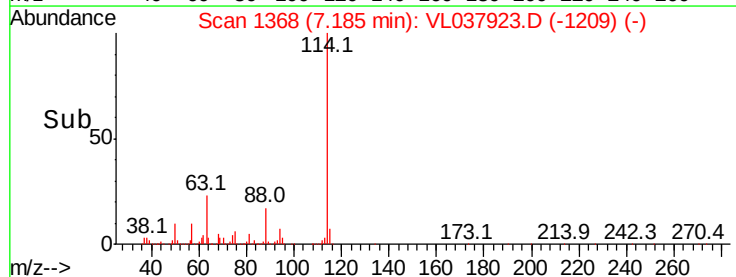
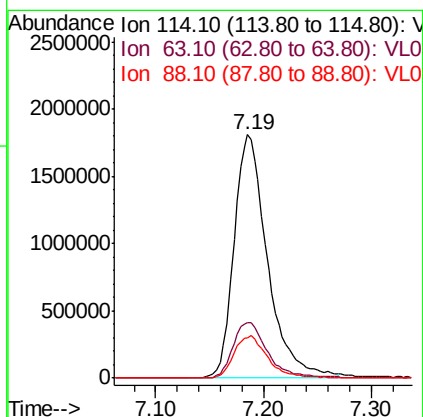
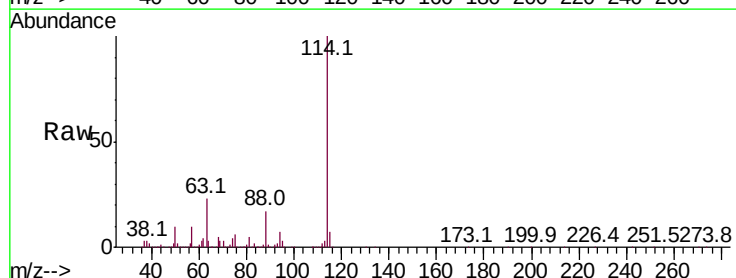
Delta R.T. 0.01 min

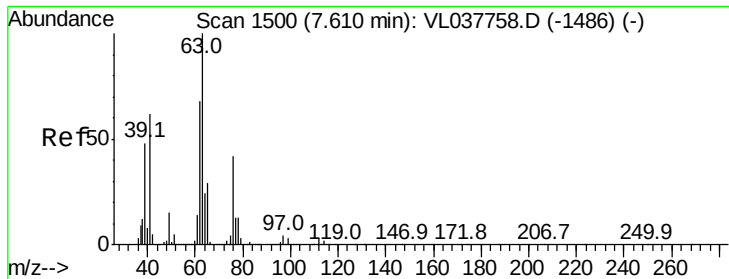
Lab File: VL037923.D

Acq: 27 Oct 2021 19:38

Tgt Ion: 114 Resp: 3914911

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.2
88	17.7	14.4	21.6





#39

1,2-Dichloropropane

Concen: 7.280 ppbv

RT: 7.19 Instrument: MSVOA_1

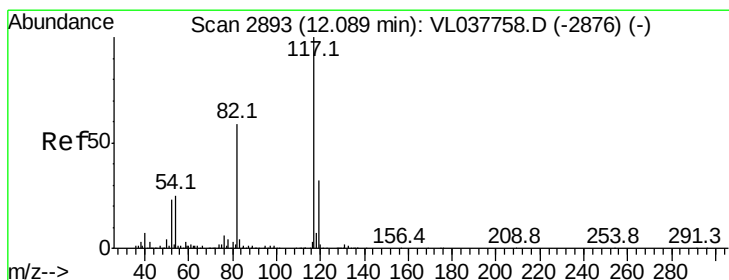
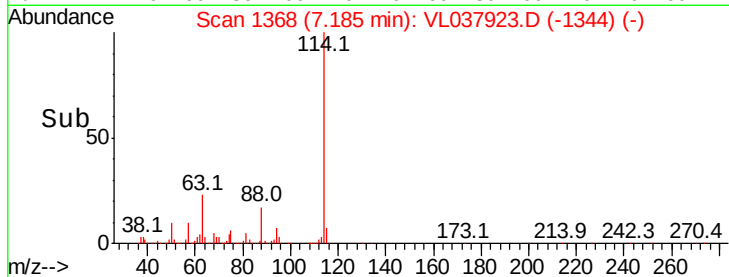
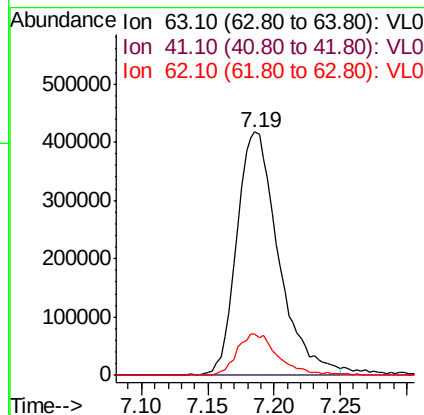
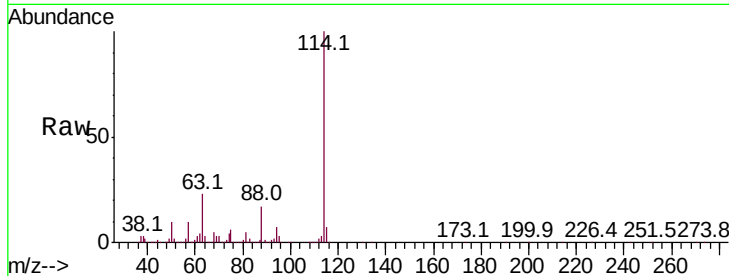
Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Oct 2021 19:38

Tot Ion: 63 Resp: 915616

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	16.8	54.6	82.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

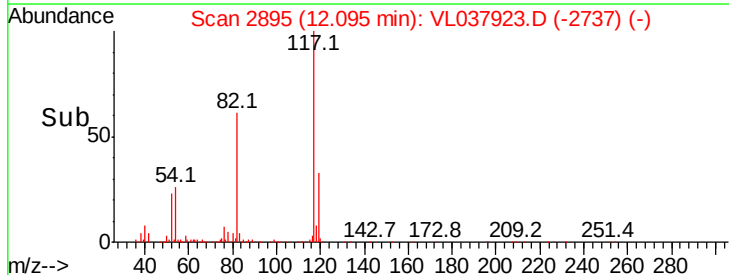
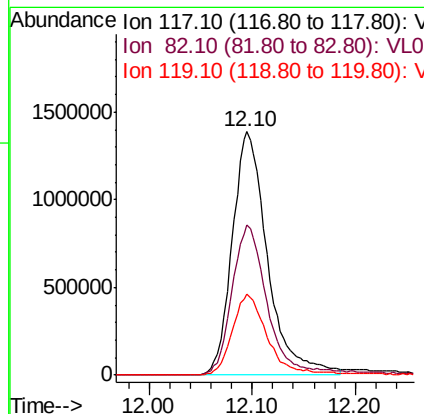
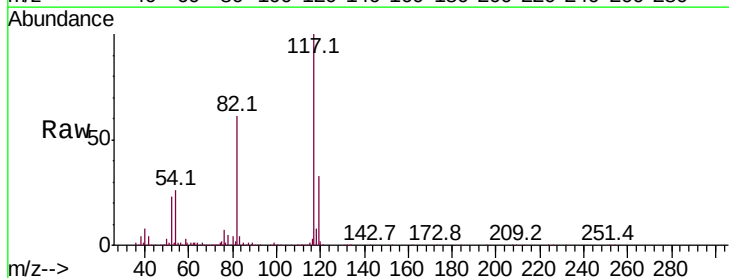
Delta R.T. 0.01 min

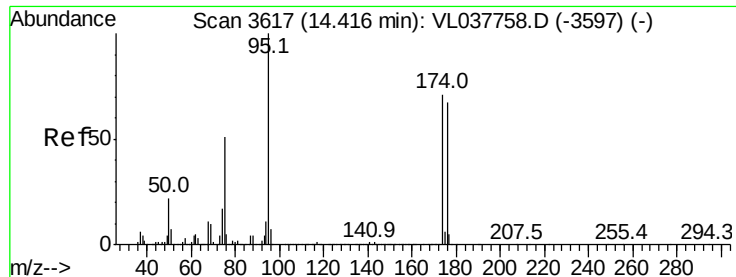
Lab File: VL037923.D

Acq: 27 Oct 2021 19:38

Tgt Ion: 117 Resp: 3311441

Ion	Ratio	Lower	Upper
117	100		
82	63.8	52.2	78.2
119	33.9	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.806 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 19:58

Tot Ion: 95 Resp: 2270675

Ion Ratio Lower Upper

95 100

174 75.1 57.8 86.6

175 5.7 4.7 7.1

