

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037704.D
 Acq On : 28 Sep 2021 16:16
 Operator : SY/AP
 Sample : M3896-01DL2 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL2

Quant Time: Sep 29 20:43:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1342617	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4146639	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3510607	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2375535	9.36	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

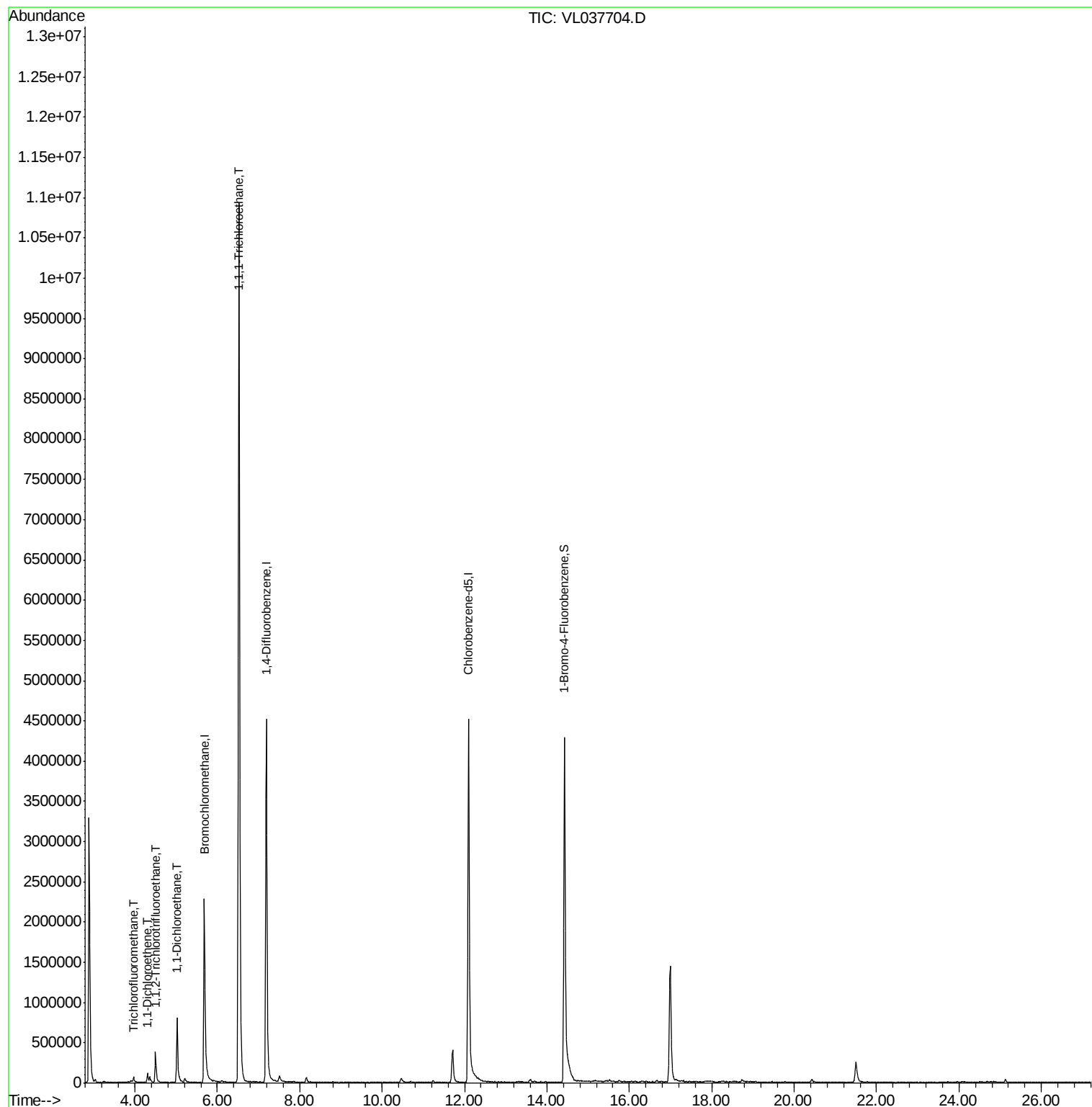
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Trichlorofluoromethane	3.97	101	40148	0.206	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.50	101	150256	1.044	ppbv	99
18) 1,1-Dichloroethene	4.30	96	37161	0.554	ppbv	87
24) 1,1-Dichloroethane	5.02	63	816260	5.903	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	8120668	37.220	ppbv	98

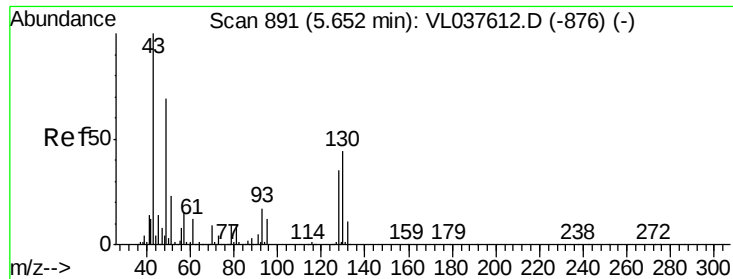
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: INFLUENTDL2

Acq: 28 Sep 2021 16:16

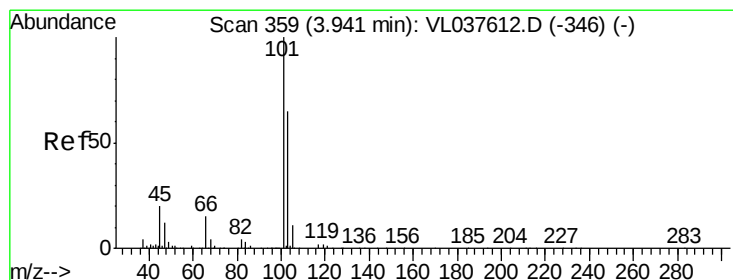
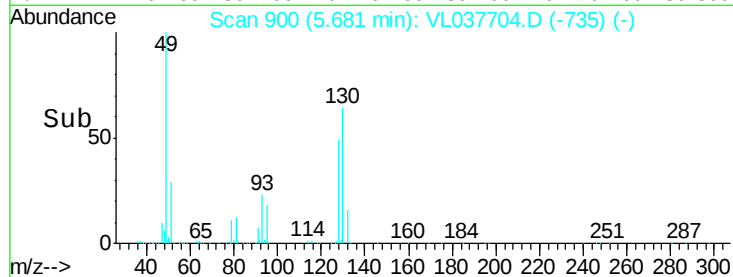
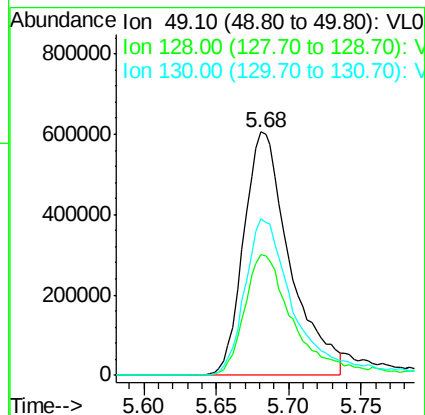
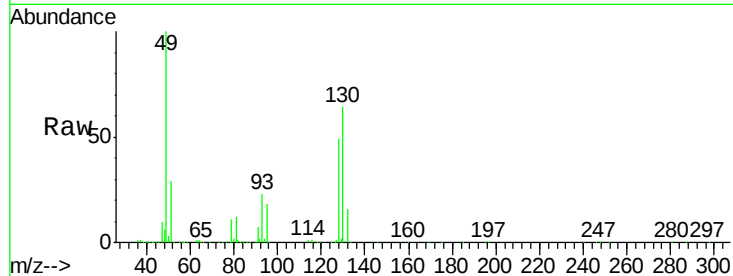
Tgt Ion: 49 Resp: 1342617

Ion Ratio Lower Upper

49 100

128 56.1 27.9 83.6

130 71.0 33.9 101.7



#11

Trichlorofluoromethane

Concen: 0.206 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.03 min

Lab File: VL037704.D

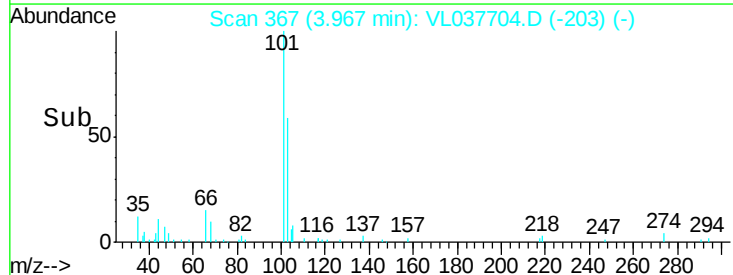
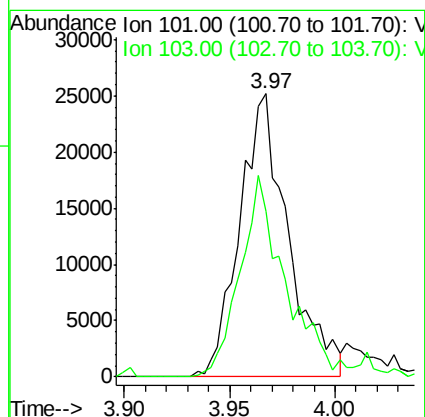
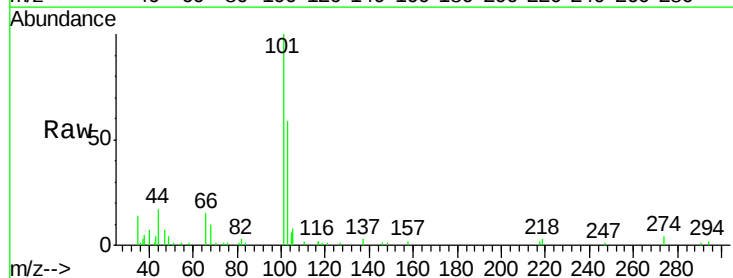
Acq: 28 Sep 2021 16:16

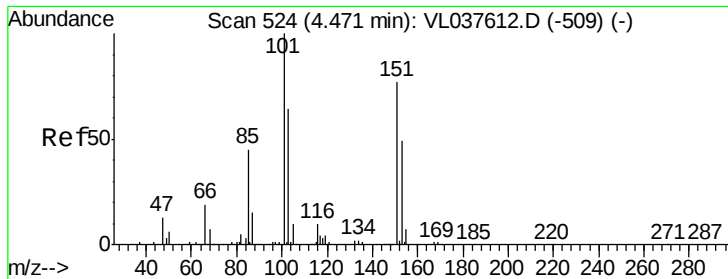
Tgt Ion: 101 Resp: 40148

Ion Ratio Lower Upper

101 100

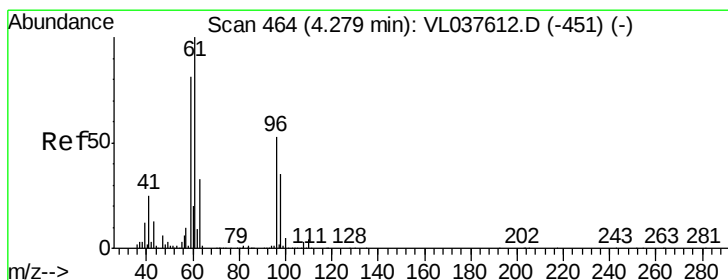
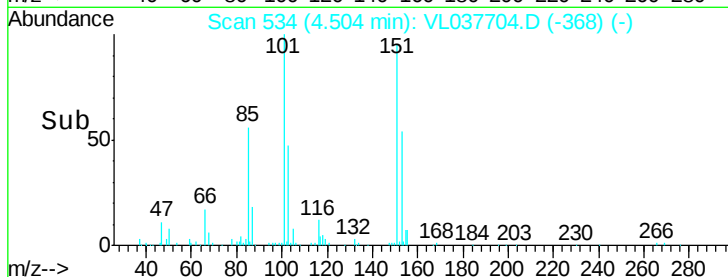
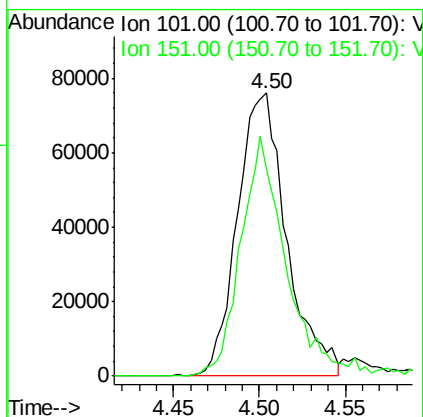
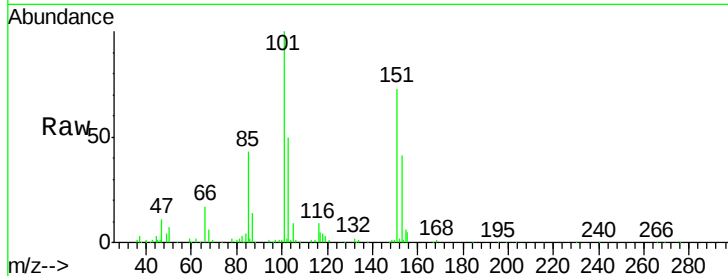
103 58.6 51.9 77.9





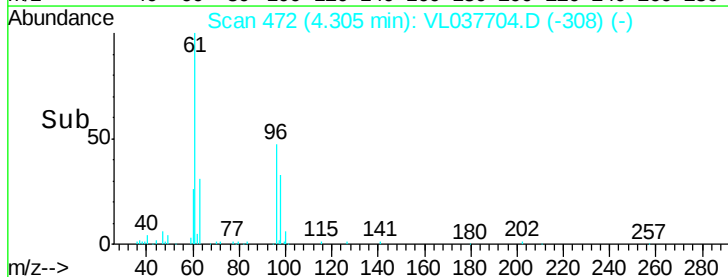
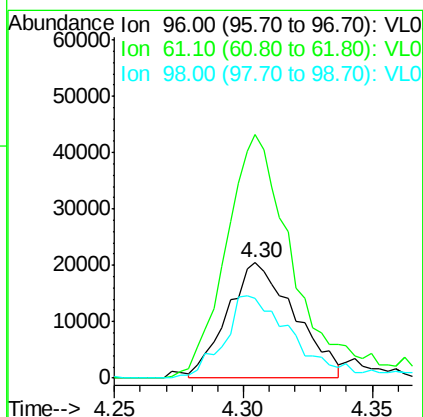
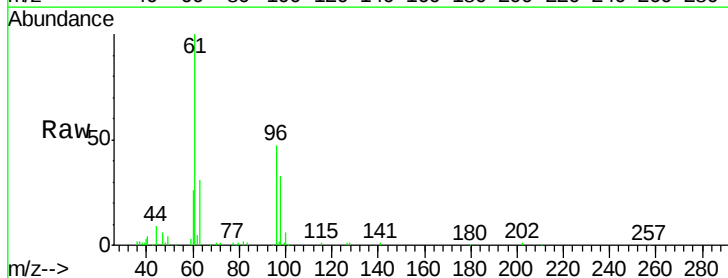
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.044 ppbv
 RT: 4.50
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 INFLUENTDL2
 Acq: 28 Sep 2021 16:16

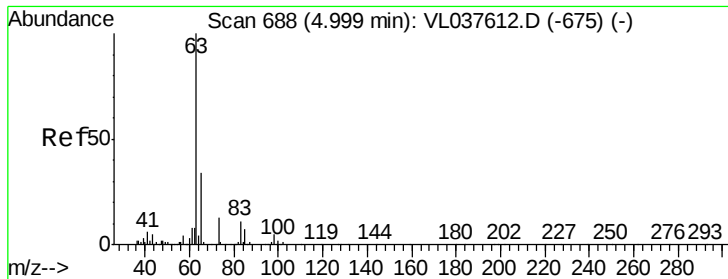
Tgt Ion: 101 Resp: 150256
 Ion Ratio Lower Upper
 101 100
 151 80.4 63.5 95.3



#18
 1,1-Dichloroethene
 Concen: 0.554 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VL037704.D
 Acq: 28 Sep 2021 16:16

Tgt Ion: 96 Resp: 37161
 Ion Ratio Lower Upper
 96 100
 61 210.8 150.4 225.6
 98 70.0 52.1 78.1





#24

1,1-Dichloroethane

Concen: 5.903 ppbv

RT: 5.02 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

INFLUENTDL2

Acq: 28 Sep 2021 16:16

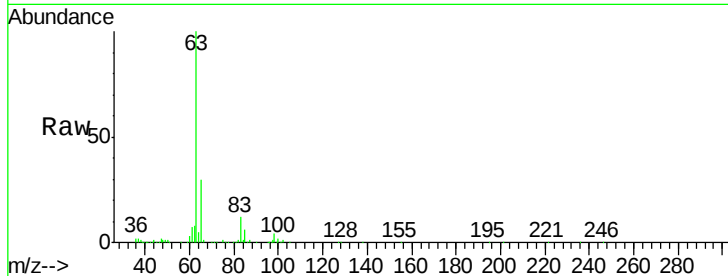
Tgt Ion: 63 Resp: 816260

Ion Ratio Lower Upper

63 100

98 4.0 2.4 7.2

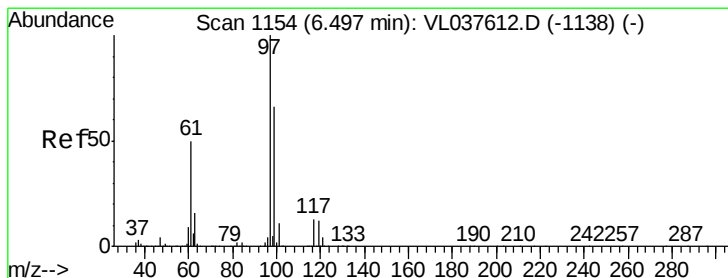
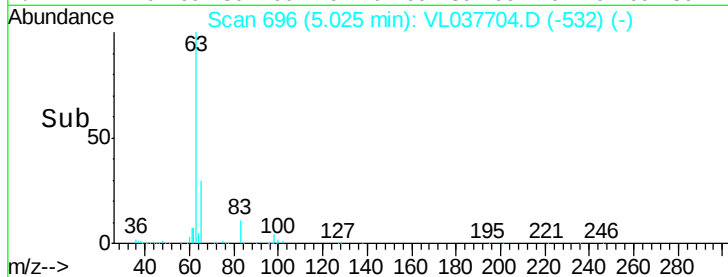
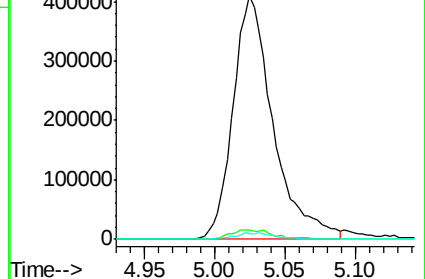
100 2.4 1.1 3.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#32

1,1,1-Trichloroethane

Concen: 37.220 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.03 min

Lab File: VL037704.D

Acq: 28 Sep 2021 16:16

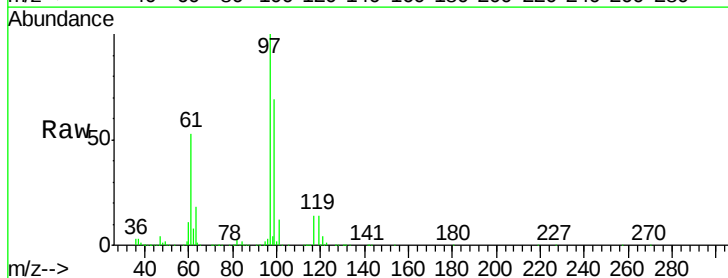
Tgt Ion: 97 Resp: 8120668

Ion Ratio Lower Upper

97 100

99 66.4 52.3 78.5

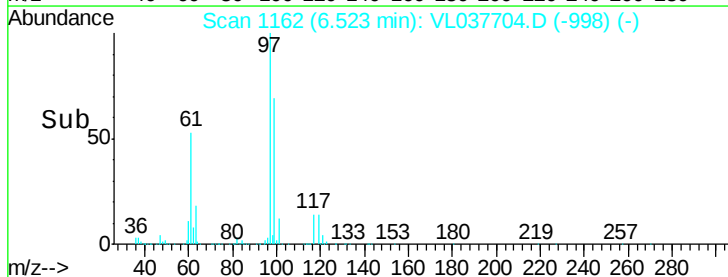
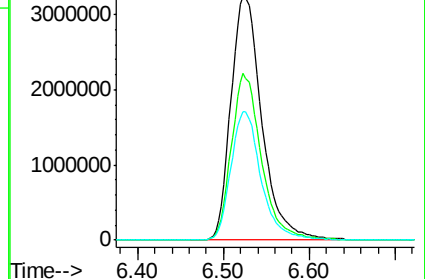
61 51.6 39.5 59.3

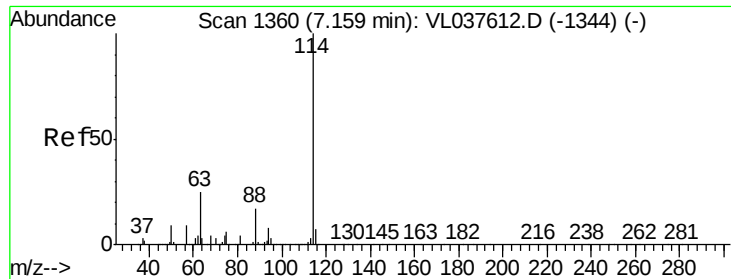


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

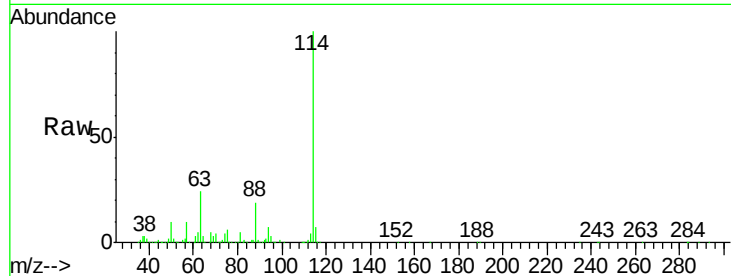
Ion 61.10 (60.80 to 61.80): VL0



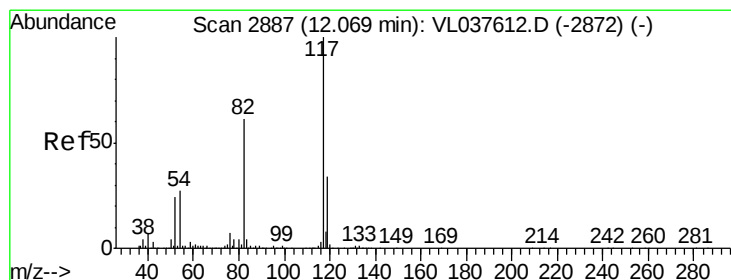
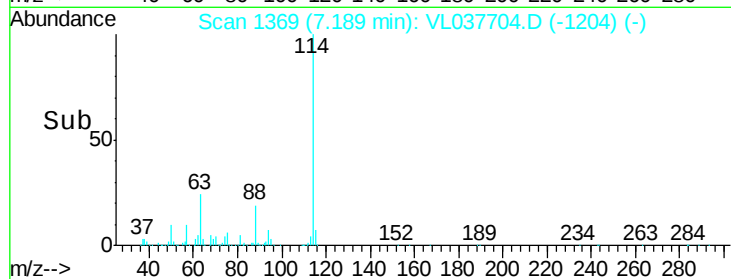
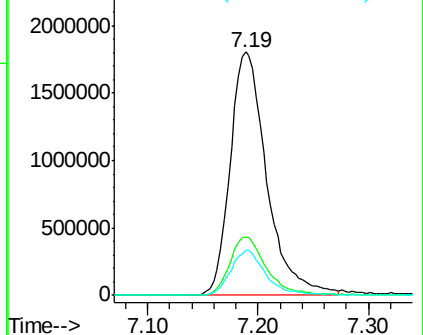


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 INFLUENTDL2
 Acq: 28 Sep 2021 16:16

Tgt Ion:114 Resp: 4146639
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 18.1 14.2 21.4

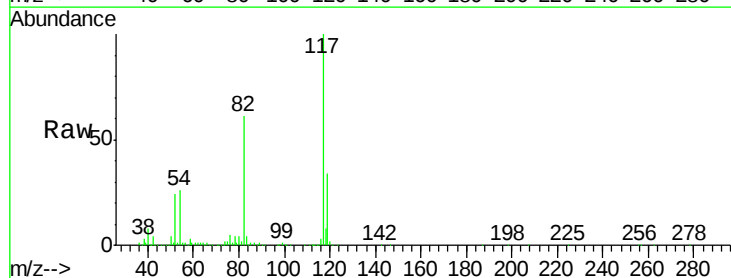


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

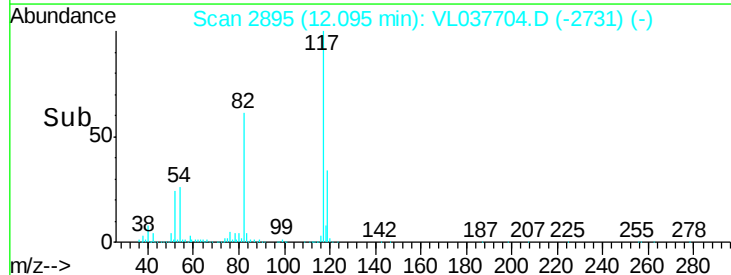
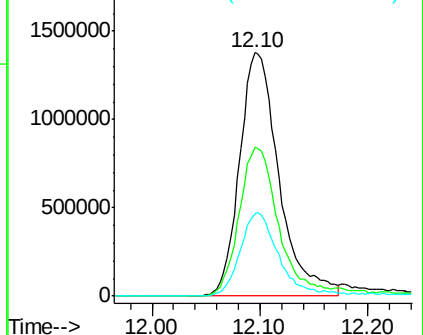


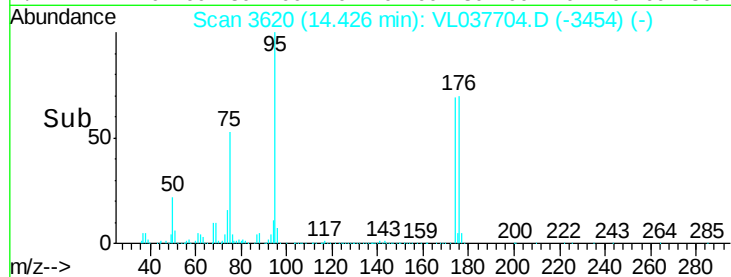
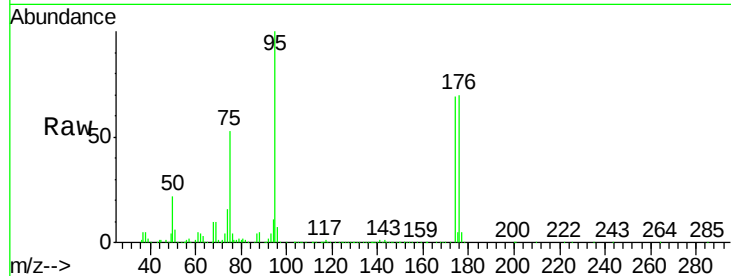
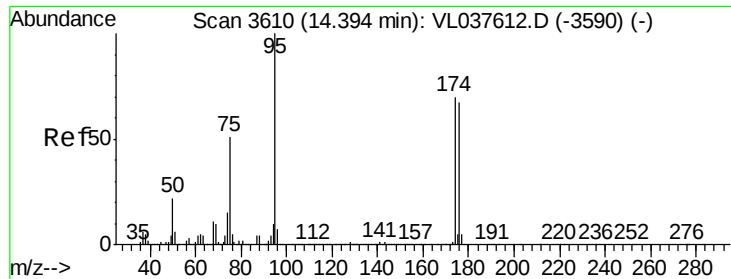
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2895
 Delta R.T.: 0.03 min
 Lab File: VL037704.D
 Acq: 28 Sep 2021 16:16

Tgt Ion:117 Resp: 3510607
 Ion Ratio Lower Upper
 117 100
 82 64.3 50.6 75.8
 119 35.6 26.2 39.2



Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.363 ppbv

RT: 14.43

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

INFLUENTDL2

Acq: 28 Sep 2021 10:10

Tgt Ion: 95 Resp: 2375535

Ion Ratio Lower Upper

95 100

174 81.6 56.3 84.5

175 6.0 4.4 6.6

