

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037660.D
 Acq On : 23 Sep 2021 13:32
 Operator : SY/AP
 Sample : CAN 10303
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:36:09 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	5.67	49	1478161	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4379932	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3753621	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2667213	9.83	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

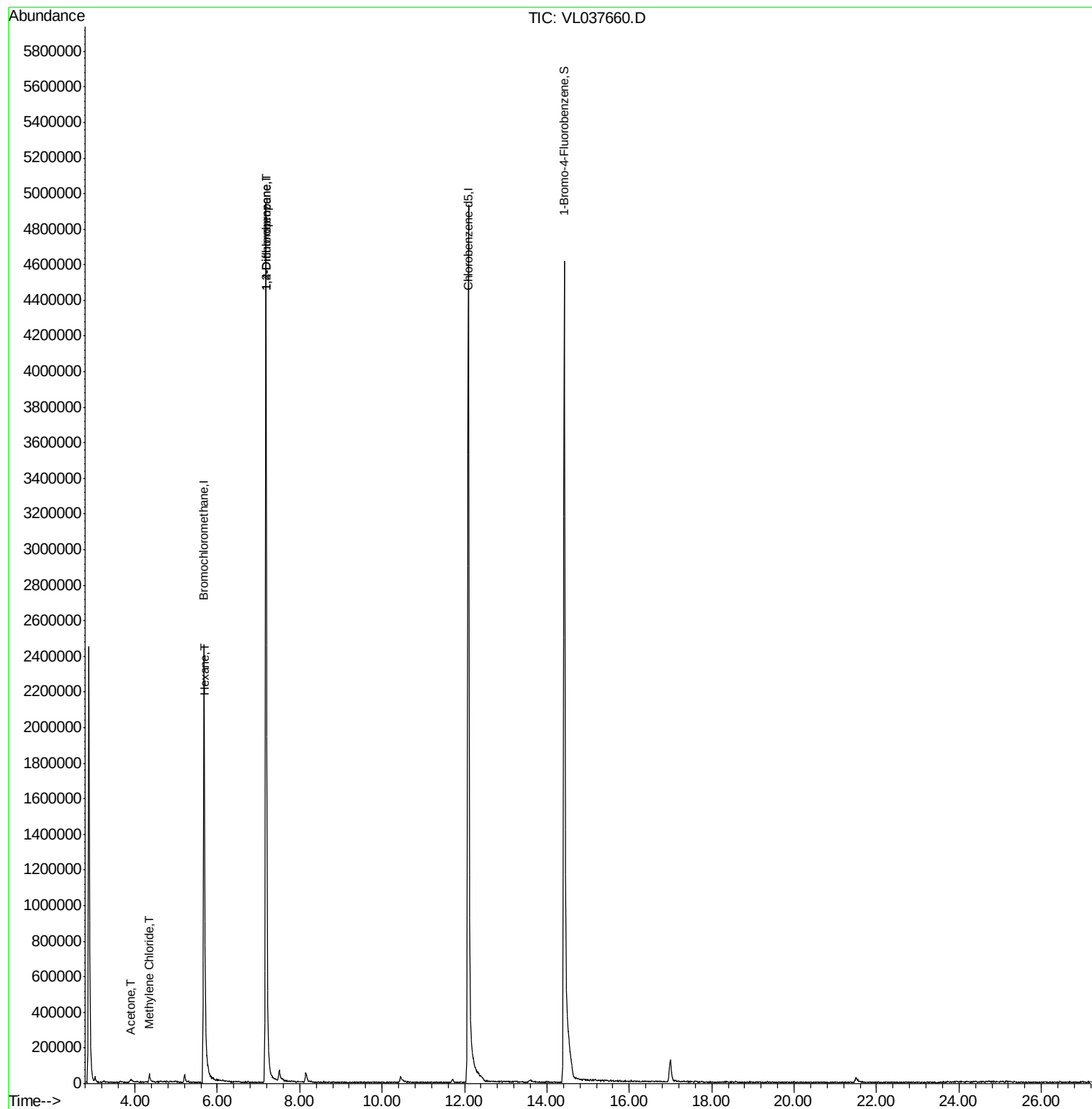
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.89	43	7695	0.050	ppbv #	44
20) Methylene Chloride	4.35	84	8638	0.118	ppbv #	89
26) Hexane	5.69	57	5943	0.034	ppbv #	28
39) 1,2-Dichloropropane	7.18	63	1046658	7.482	ppbv #	27

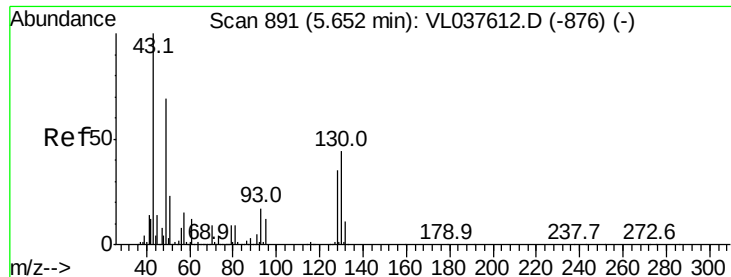
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037660.D

Acq: 23 Sep 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

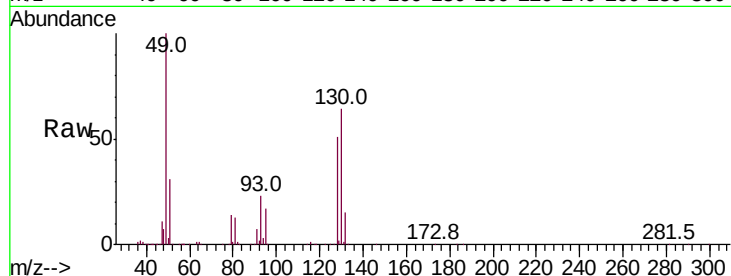
Tot Ion: 49 Resp: 1478161

Ion Ratio Lower Upper

49 100

128 54.3 27.9 83.6

130 70.5 33.9 101.7



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

800000

600000

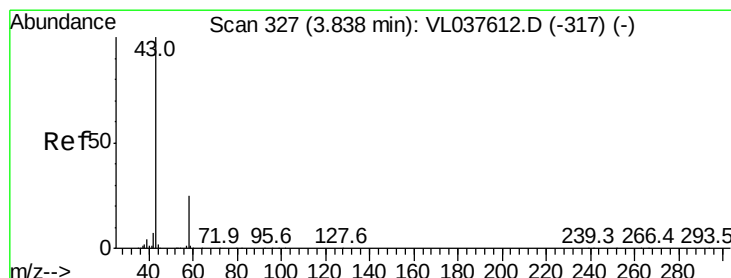
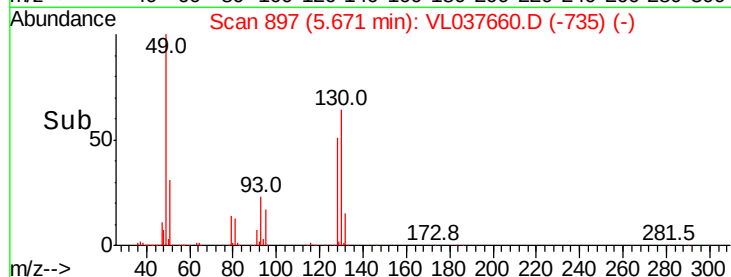
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#15

Acetone

Concen: 0.050 ppbv

RT: 3.89 min Scan# 344

Delta R.T. 0.05 min

Lab File: VL037660.D

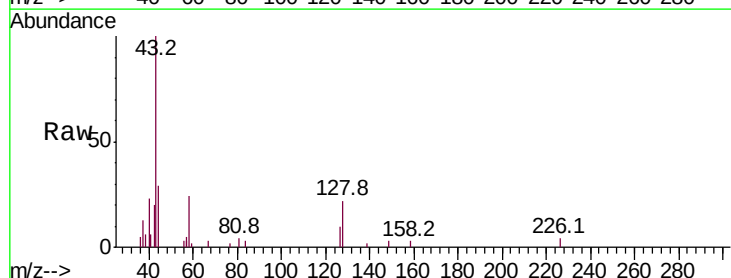
Acq: 23 Sep 2021 13:32

Tgt Ion: 43 Resp: 7695

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

8000

6000

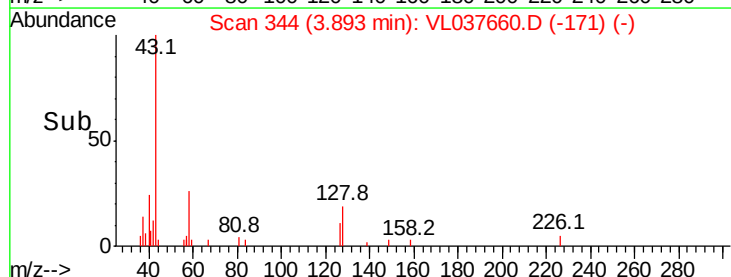
4000

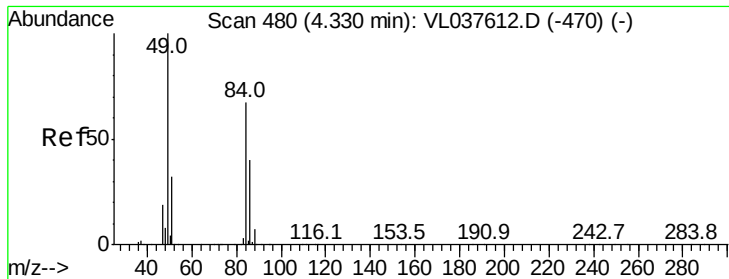
2000

0

3.86 3.88 3.90

Time-->

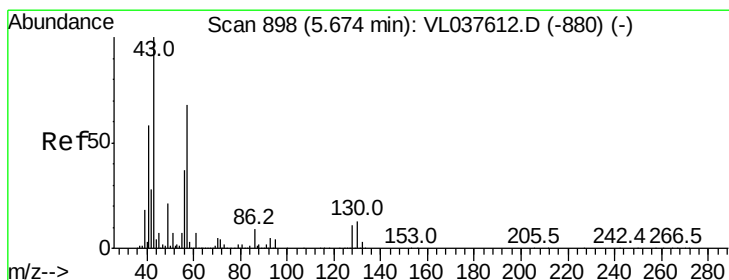
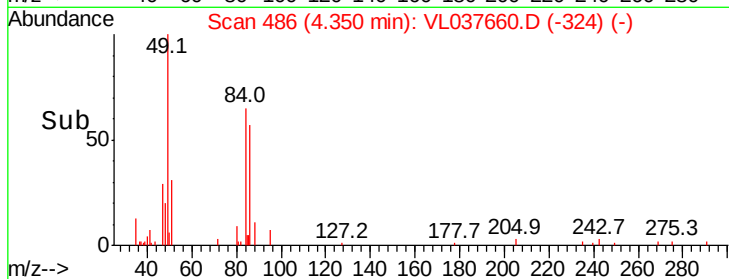
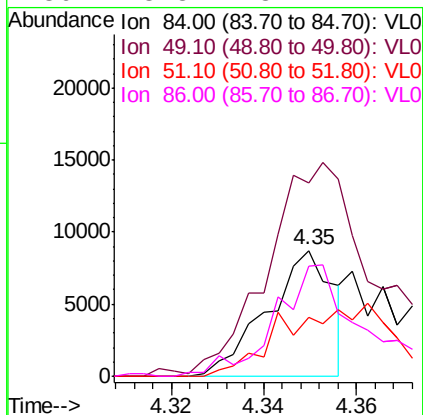
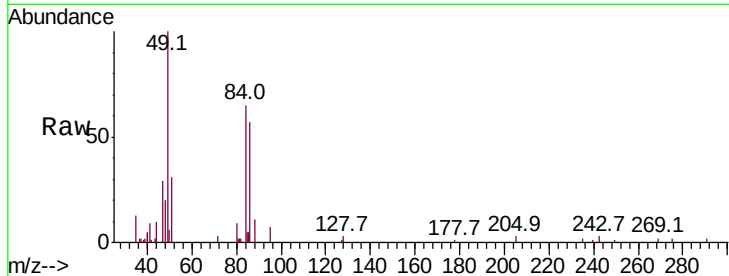




#20
Methvlene Chloride
Concen: 0.118 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.02 min
Lab File: VL037660.D
Acq: 23 Sep 2021 13:32

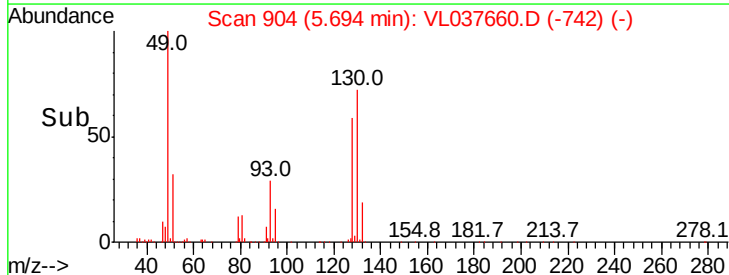
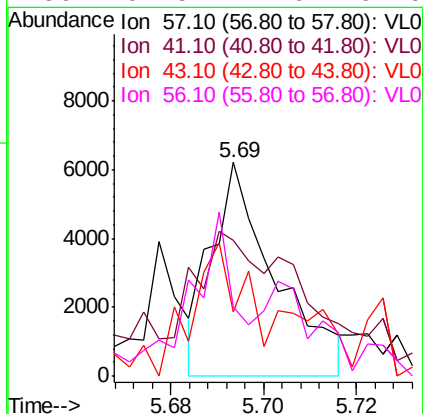
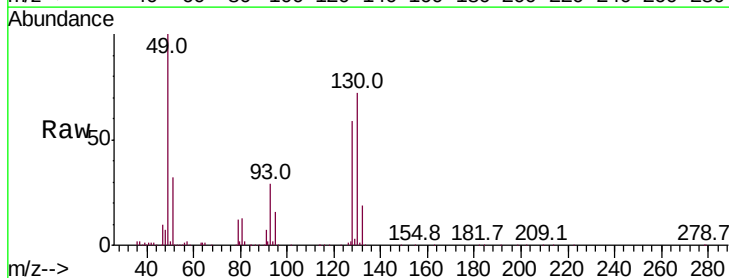
Instrument :
MSVOA_L
ClientSampleId :

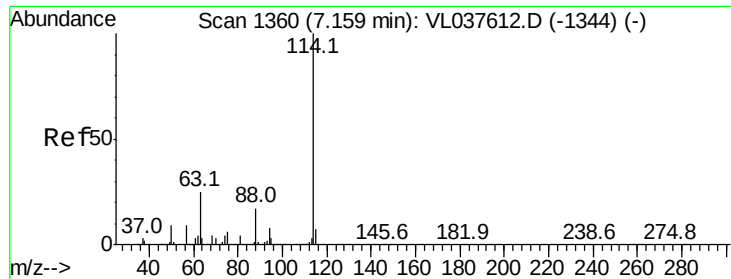
Tot Ion:	84	Resp:	8638
Ion	Ratio	Lower	Upper
84	100		
49	140.6	120.0	180.0
51	43.9	38.0	57.0
86	78.3	48.2	72.2#



#26
Hexane
Concen: 0.034 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL037660.D
Acq: 23 Sep 2021 13:32

Tgt Ion:	57	Resp:	5943
Ion	Ratio	Lower	Upper
57	100		
41	157.4	70.9	106.3#
43	100.2	170.4	255.6#
56	101.5	42.6	64.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.02 min

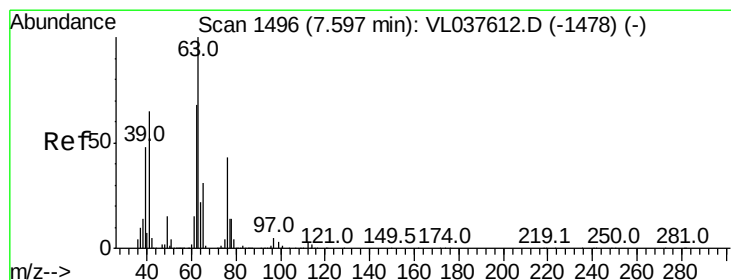
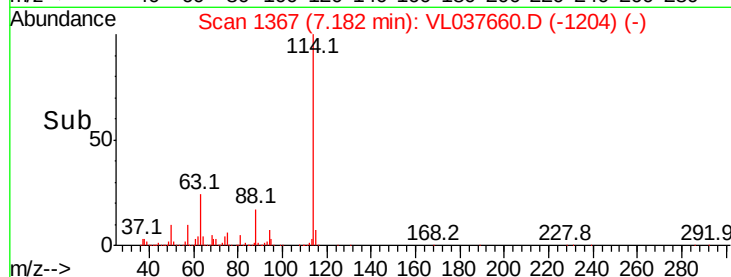
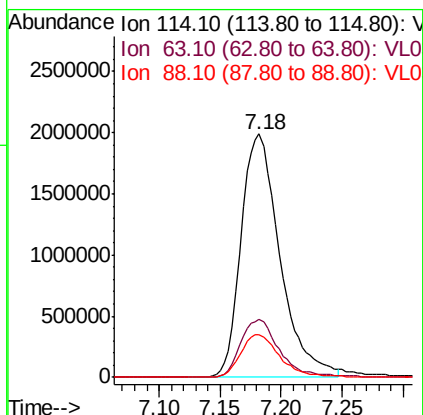
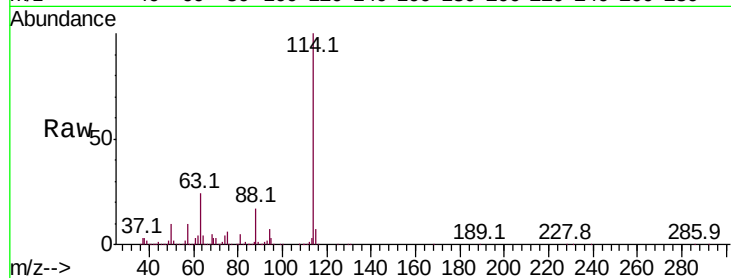
Lab File: VL037660.D

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Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:114 Resp: 4379932

Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.6	29.4
88	18.0	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.482 ppbv

RT: 7.18 min Scan# 1367

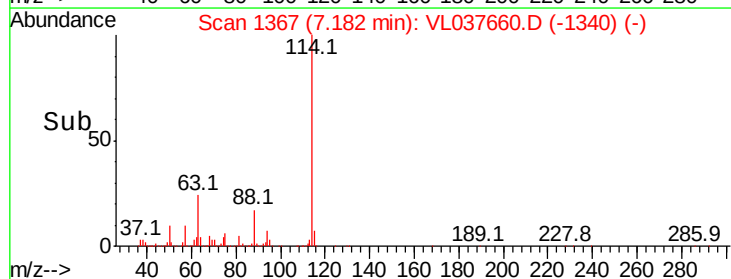
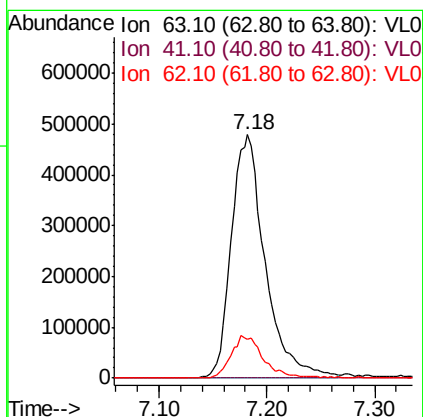
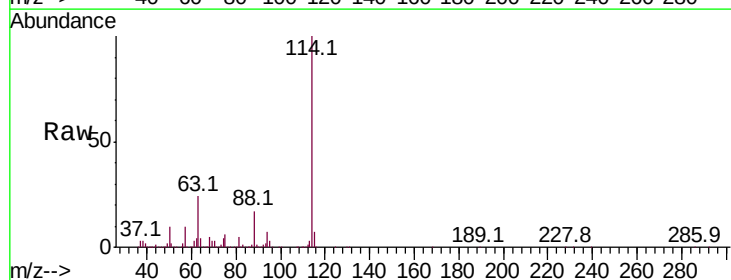
Delta R.T. -0.41 min

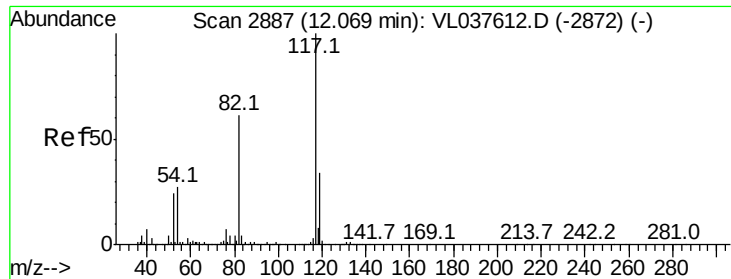
Lab File: VL037660.D

Acq: 23 Sep 2021 13:32

Tgt Ion: 63 Resp: 1046658

Ion	Ratio	Lower	Upper
63	100		
41	0.1	51.6	77.4#
62	15.7	54.6	81.8#

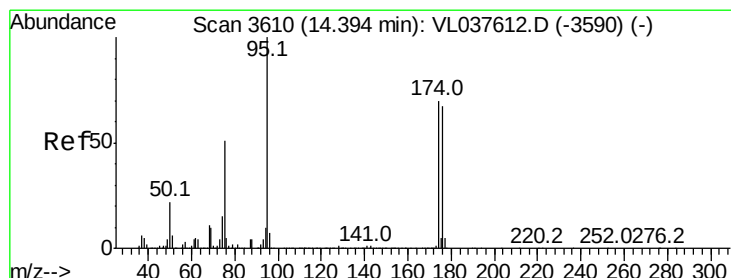
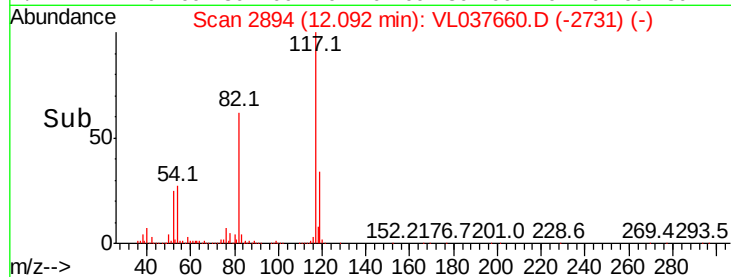
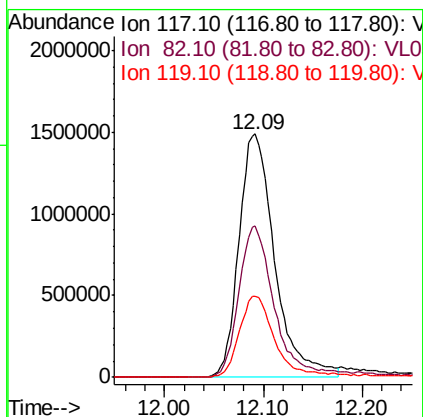
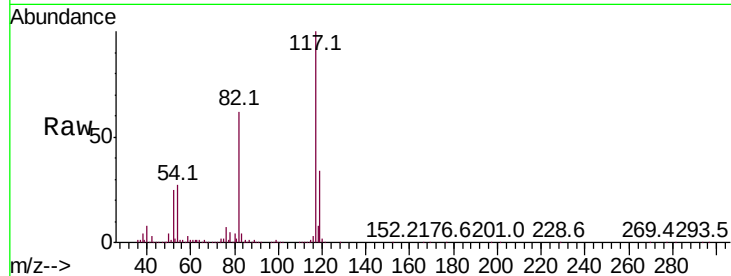




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.02 min
Lab File: VL037660.D
Acq: 23 Sep 2021 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3753621
Ion Ratio Lower Upper
117 100
82 64.9 50.6 75.8
119 35.4 26.2 39.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.832 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.03 min
Lab File: VL037660.D
Acq: 23 Sep 2021 13:32

Tgt Ion: 95 Resp: 2667213
Ion Ratio Lower Upper
95 100
174 75.4 56.3 84.5
175 5.7 4.4 6.6

