

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037526.D
 Acq On : 3 Sep 2021 18:12
 Operator : SY/AP
 Sample : CAN 10295
 Misc : 400mL/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10295

Quant Time: Sep 04 04:22:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1613882	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4776915	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4212597	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3030070	10.12	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

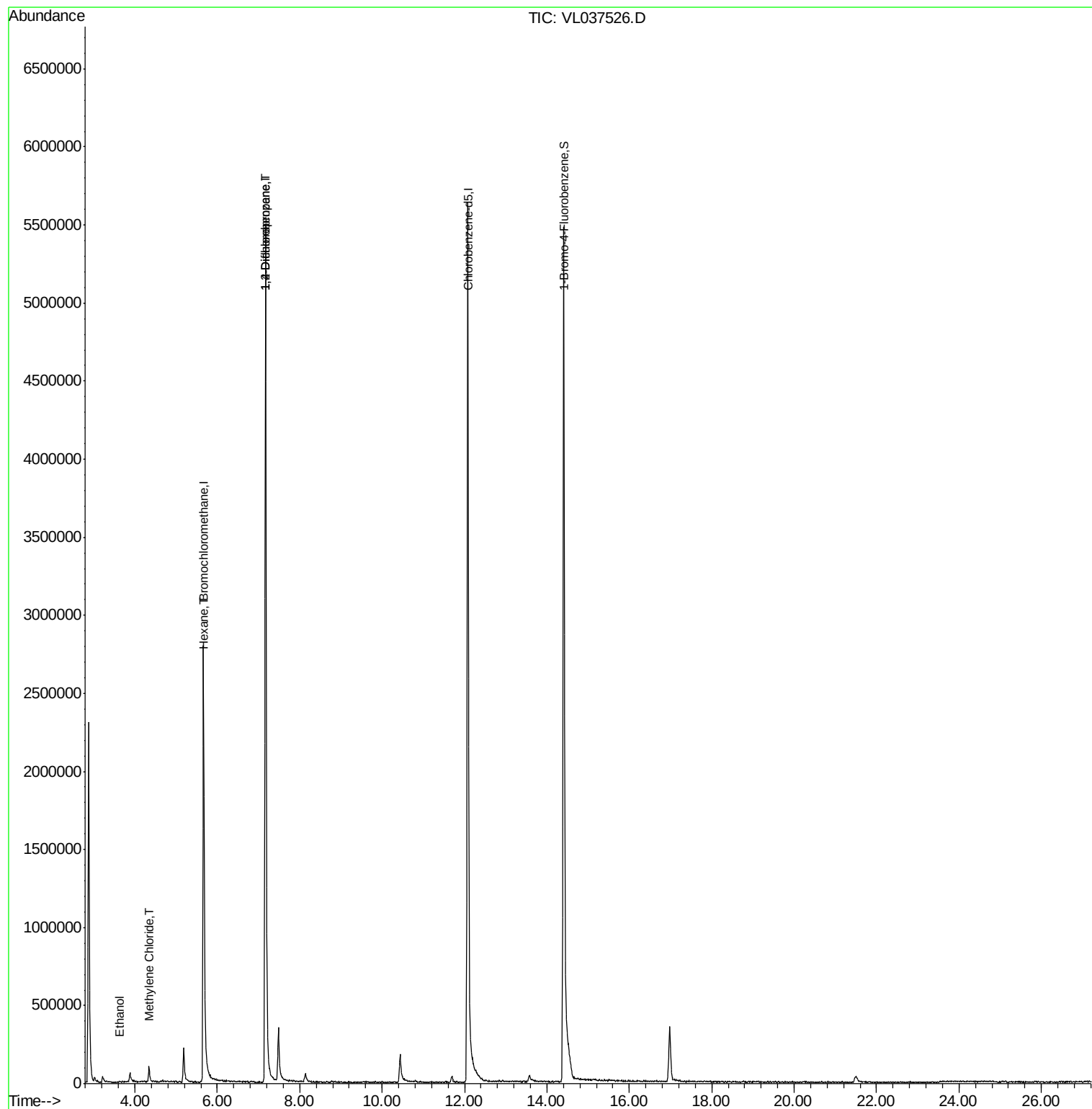
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	867	0.081	ppbv #	38
20) Methylene Chloride	4.34	84	31481	0.383	ppbv #	83
26) Hexane	5.68	57	11964	0.059	ppbv #	34
39) 1,2-Dichloropropane	7.17	63	1140427	7.391	ppbv #	27

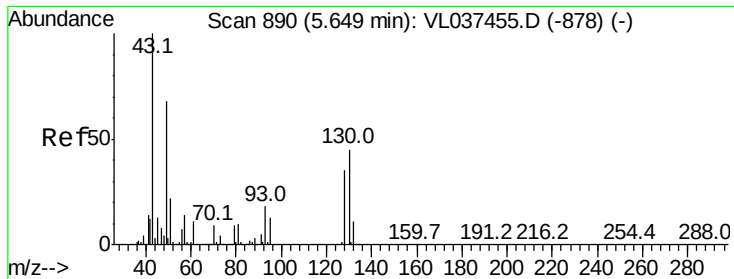
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

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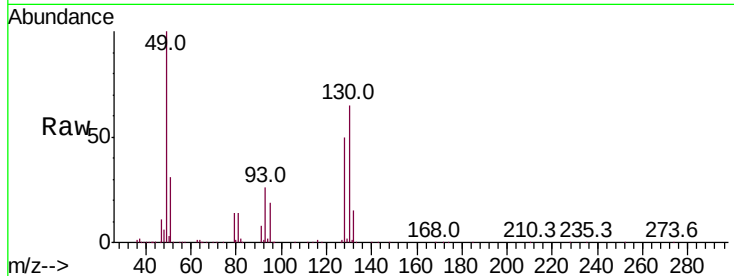
Tot Ion: 49 Resp: 1613882

Ion Ratio Lower Upper

49 100

128 55.6 27.5 82.4

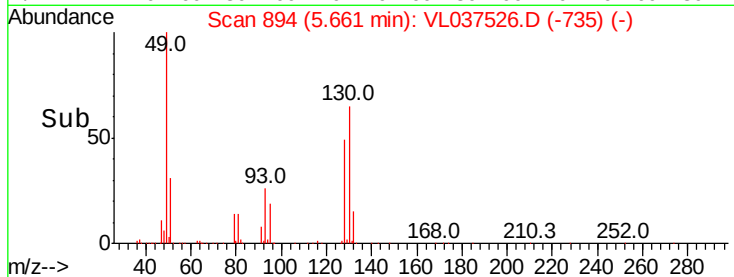
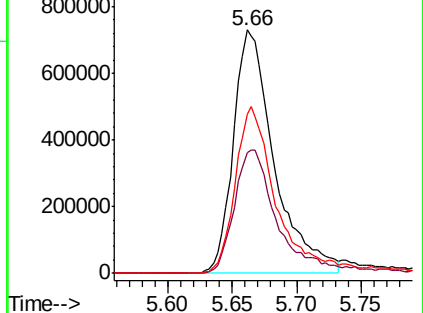
130 72.0 34.0 101.8



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



#13

Ethanol

Concen: 0.081 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL037526.D

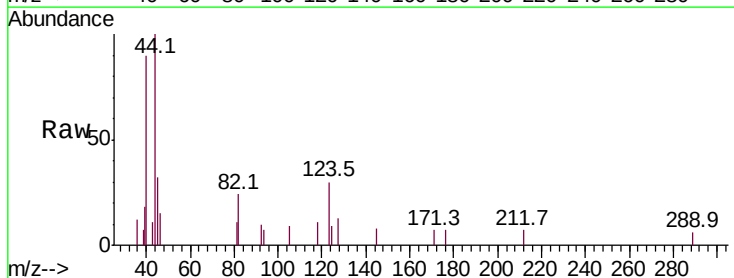
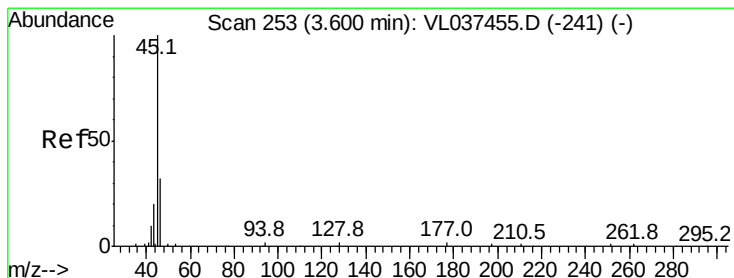
Acq: 3 Sep 2021 18:12

Tgt Ion: 45 Resp: 867

Ion Ratio Lower Upper

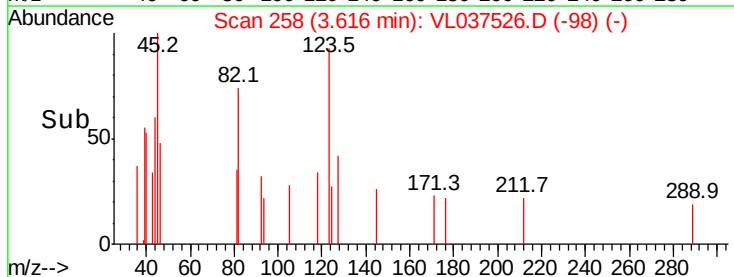
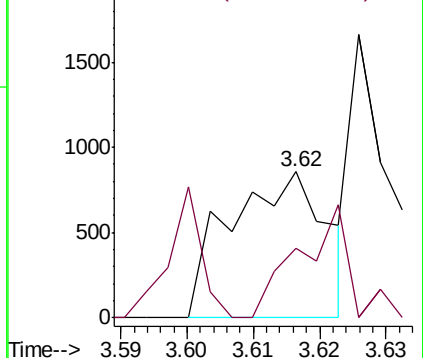
45 100

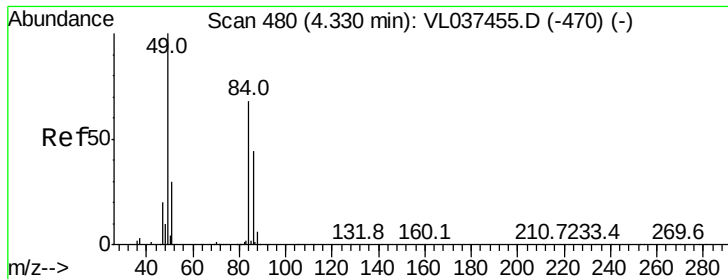
46 71.6 14.1 56.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

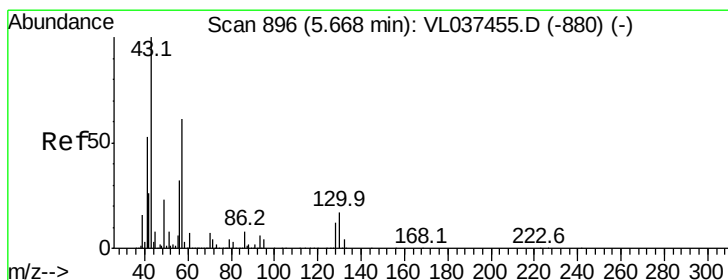
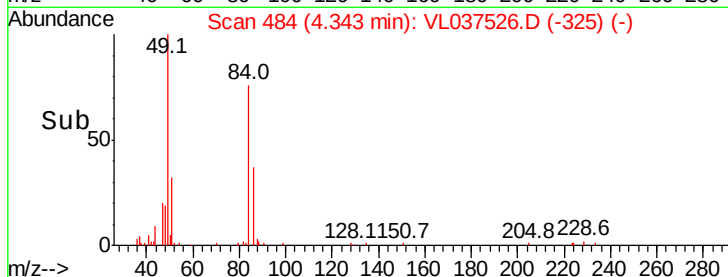
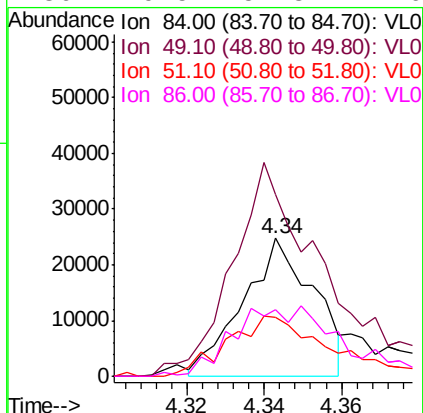
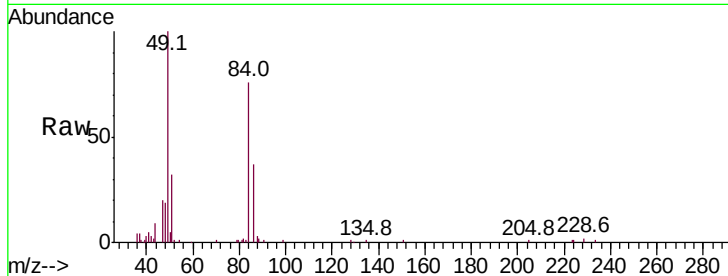




#20
Methvlene Chloride
Concen: 0.383 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL037526.D
Acq: 3 Sep 2021 18:12

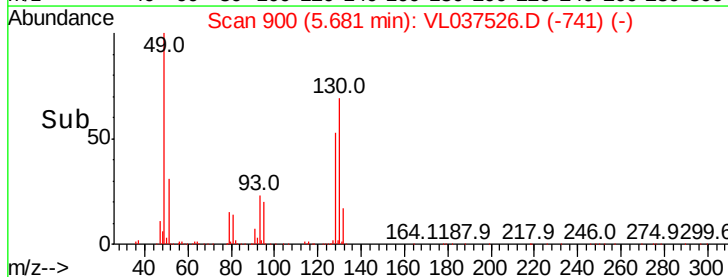
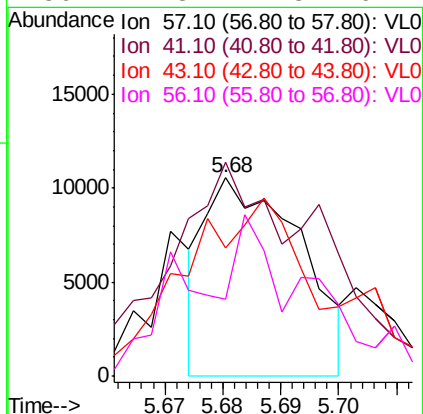
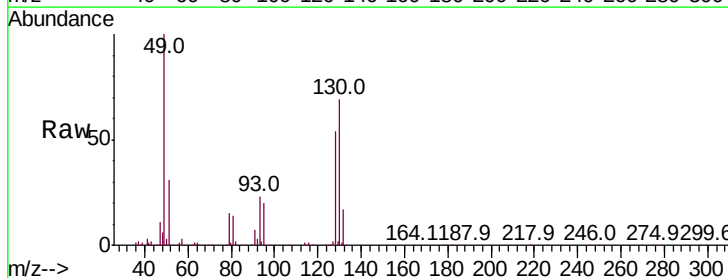
Instrument :
MSVOA_L
ClientSampleId :
CAN 10295

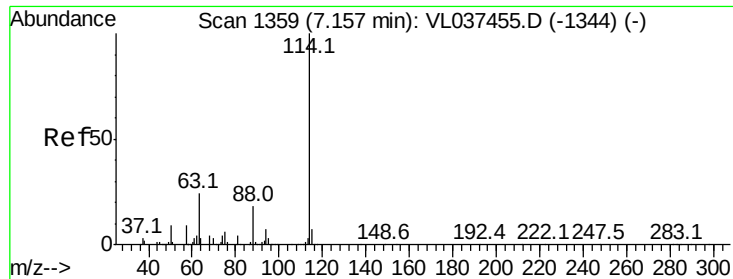
Tot Ion:	84	Resp:	31481
Ion	Ratio	Lower	Upper
84	100		
49	125.6	118.2	177.2
51	39.3	36.6	55.0
86	49.5	51.8	77.6#



#26
Hexane
Concen: 0.059 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037526.D
Acq: 3 Sep 2021 18:12

Tgt Ion:	57	Resp:	11964
Ion	Ratio	Lower	Upper
57	100		
41	194.1	72.3	108.5#
43	152.0	172.3	258.5#
56	122.3	42.8	64.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.02 min

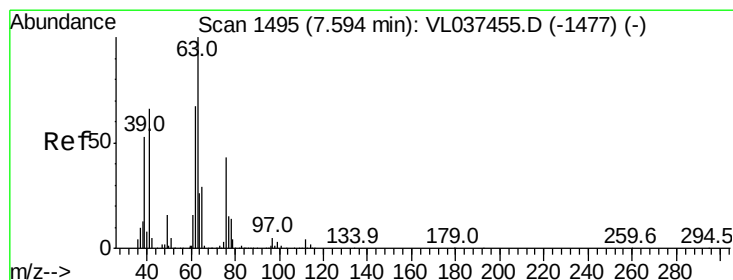
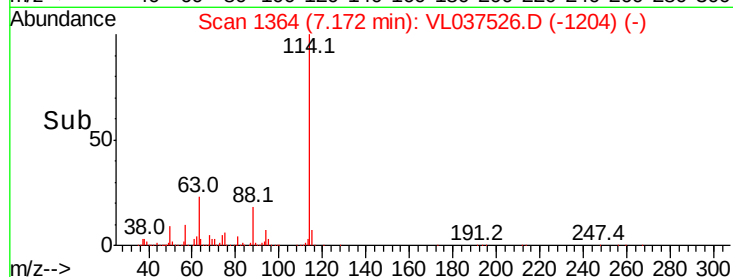
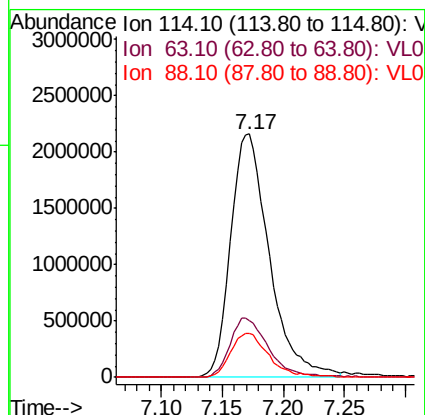
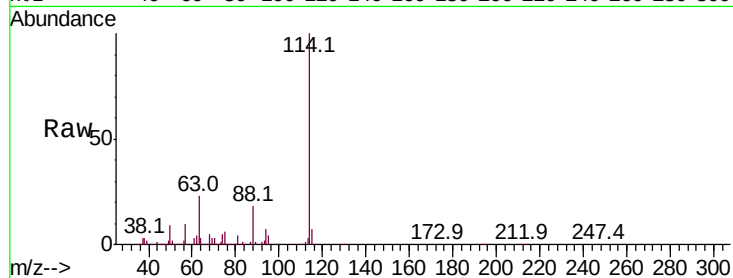
Lab File: VL037526.D

Acq: 3 Sep 2021 18:12

Instrument :
MSVOA_L
ClientSampleId :
CAN 10295

Tot Ion:114 Resp: 4776915

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.3	28.9
88	18.2	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.391 ppbv

RT: 7.17 min Scan# 1362

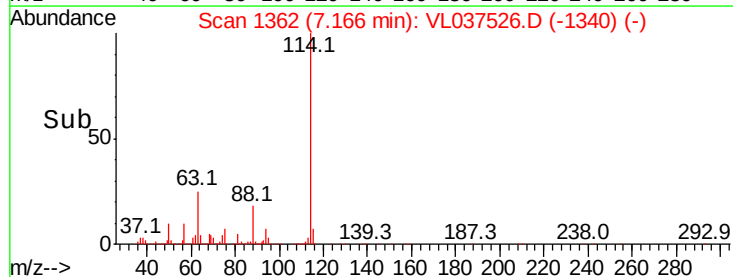
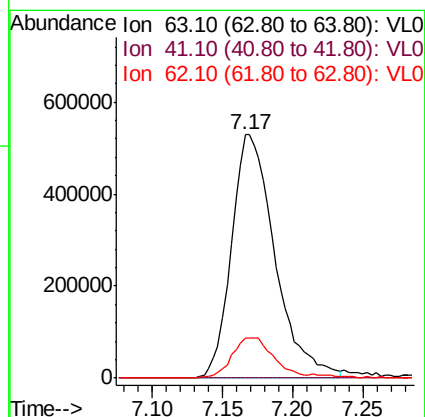
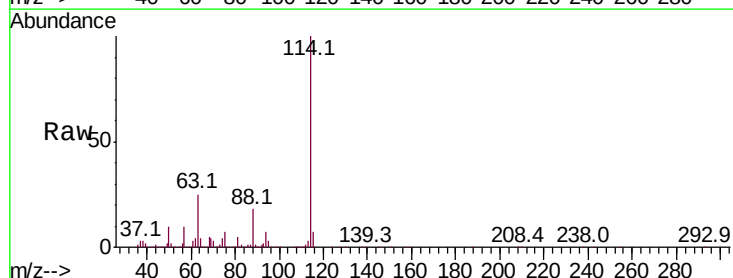
Delta R.T. -0.43 min

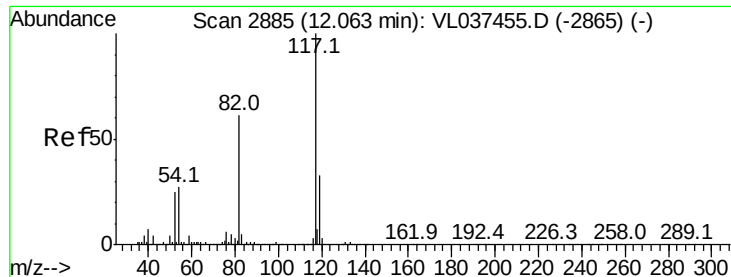
Lab File: VL037526.D

Acq: 3 Sep 2021 18:12

Tgt Ion: 63 Resp: 1140427

Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.4	78.6#
62	16.3	53.6	80.4#

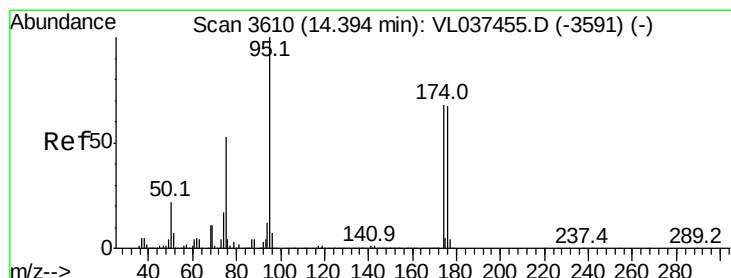
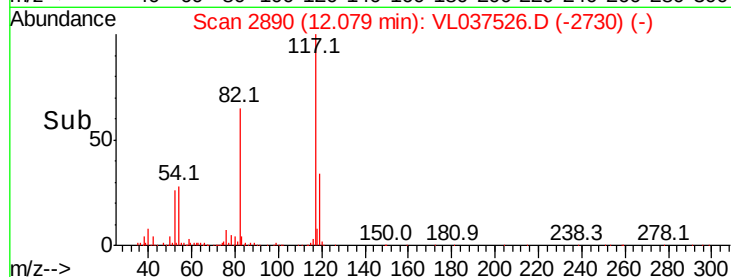
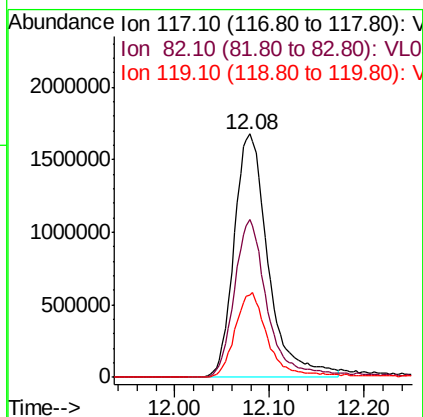
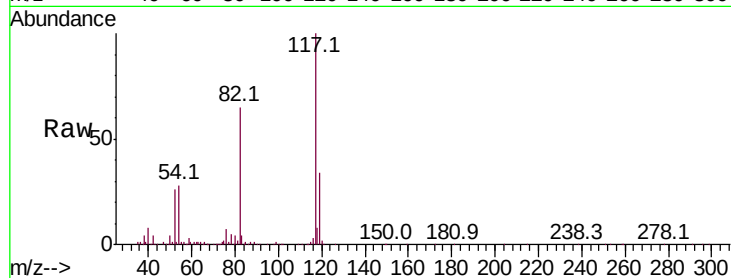




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL037526.D
Acq: 3 Sep 2021 18:12

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Tot Ion:117 Resp: 4212597
Ion Ratio Lower Upper
117 100
82 64.8 52.9 79.3
119 34.5 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.124 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.01 min
Lab File: VL037526.D
Acq: 3 Sep 2021 18:12

Tgt Ion: 95 Resp: 3030070
Ion Ratio Lower Upper
95 100
174 75.9 59.6 89.4
175 5.9 4.6 7.0

