

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037529.D
 Acq On : 3 Sep 2021 20:05
 Operator : SY/AP
 Sample : CAN 10439
 Misc : 400mL/MSVOA L
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10439

Quant Time: Sep 04 04:22:34 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	1640294	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	4930037	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	4260486	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3126331	10.33	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

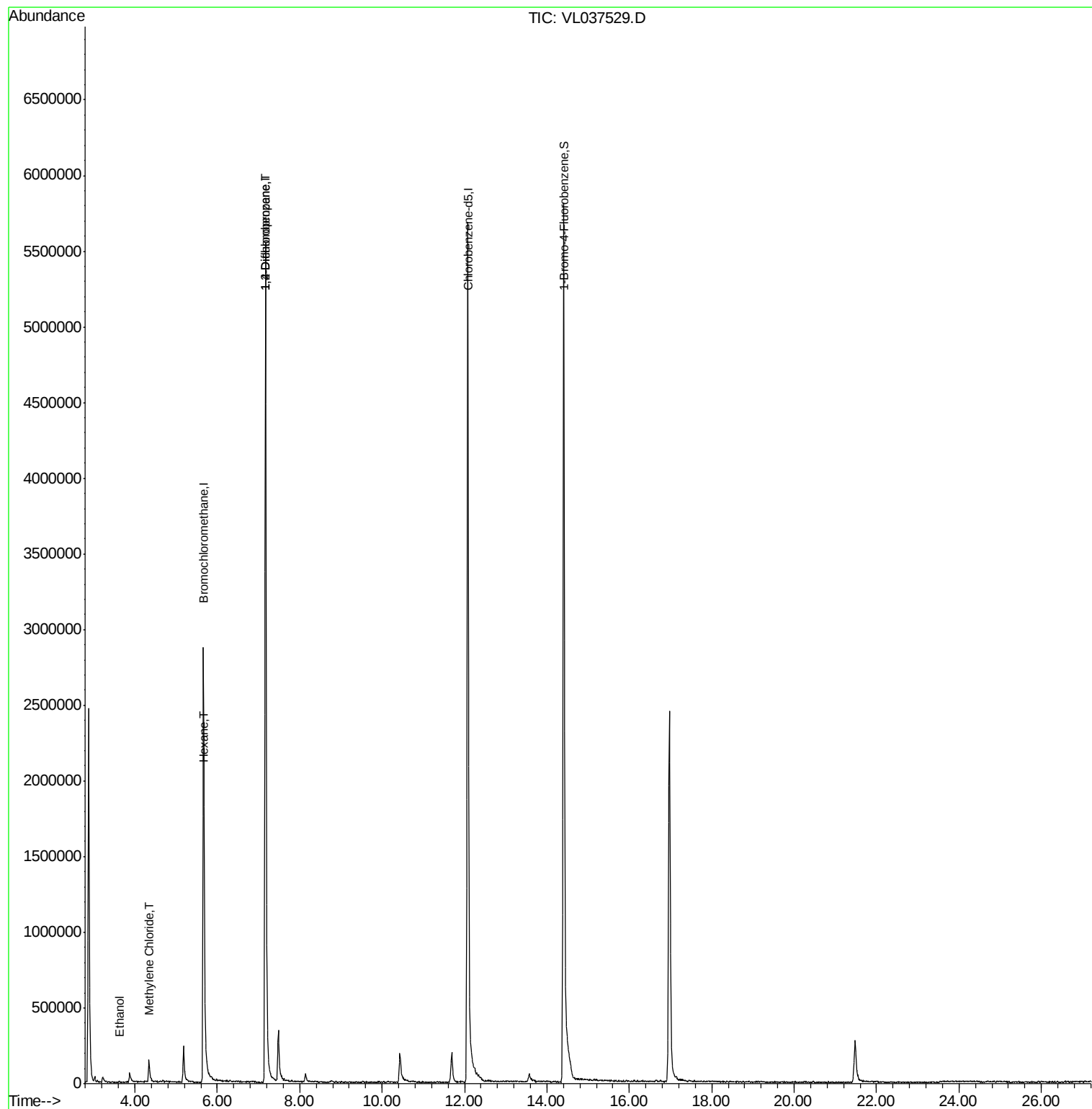
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	813	0.074	ppbv #	39
20) Methylene Chloride	4.34	84	55130	0.660	ppbv	93
26) Hexane	5.69	57	30153	0.146	ppbv #	43
39) 1,2-Dichloropropane	7.17	63	1152030	7.234	ppbv #	28

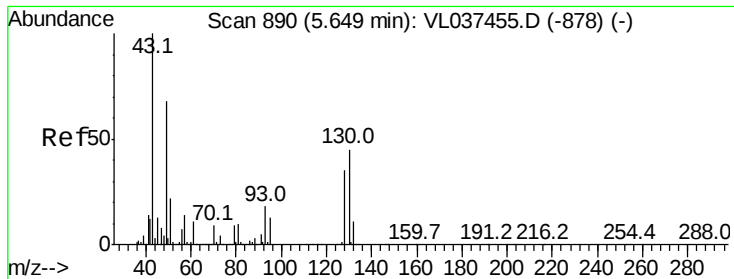
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037529.D

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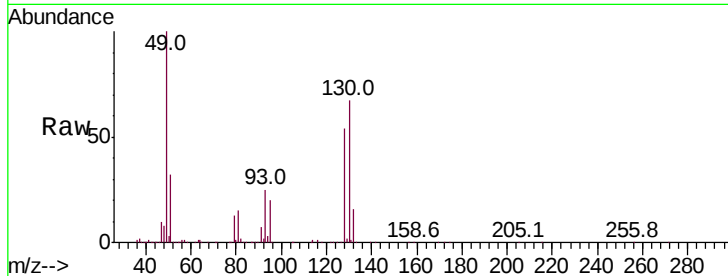
Tot Ion: 49 Resp: 1640294

Ion Ratio Lower Upper

49 100

128 55.8 27.5 82.4

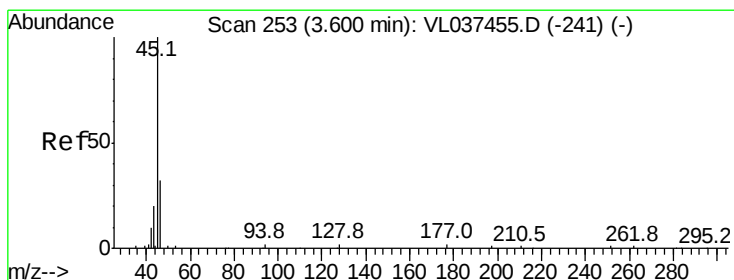
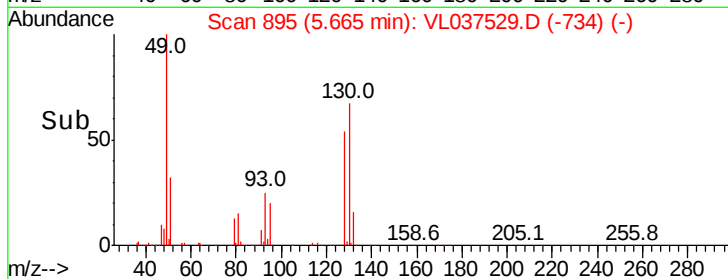
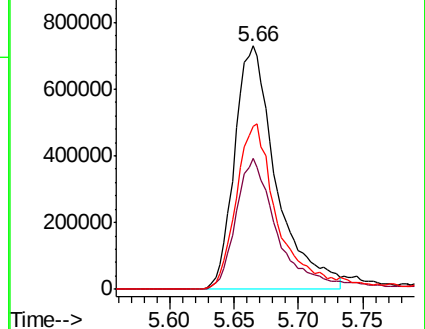
130 72.4 34.0 101.8



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: 0.074 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL037529.D

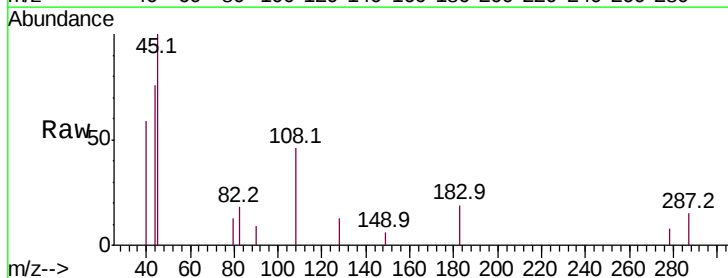
Acq: 3 Sep 2021 20:05

Tgt Ion: 45 Resp: 813

Ion Ratio Lower Upper

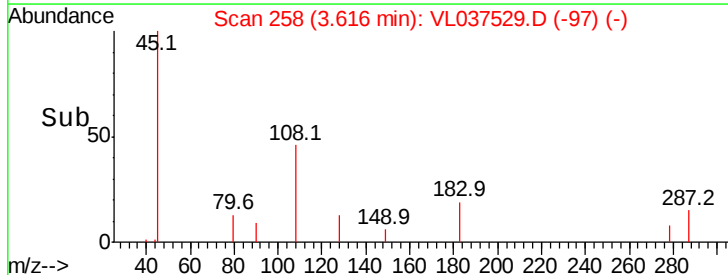
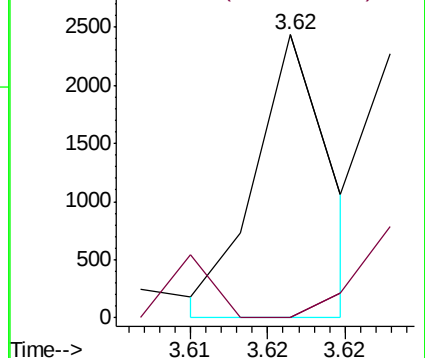
45 100

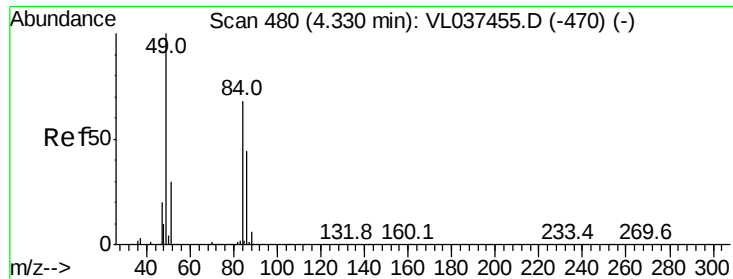
46 0.0 14.1 56.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

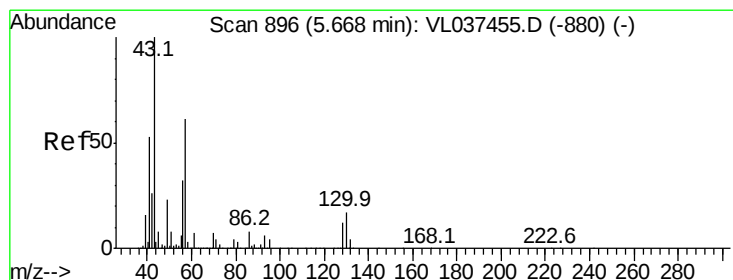
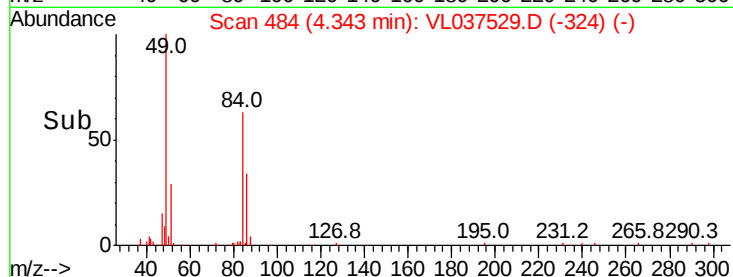
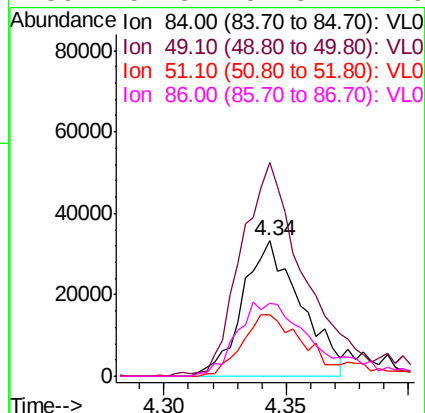
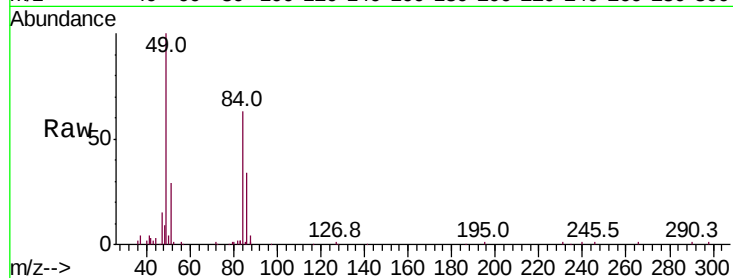




#20
Methylene Chloride
Concen: 0.660 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL037529.D
Acq: 3 Sep 2021 20:05

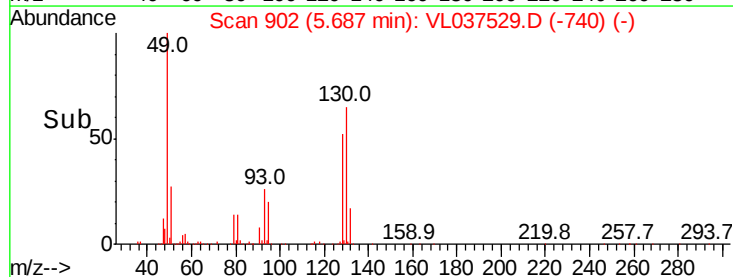
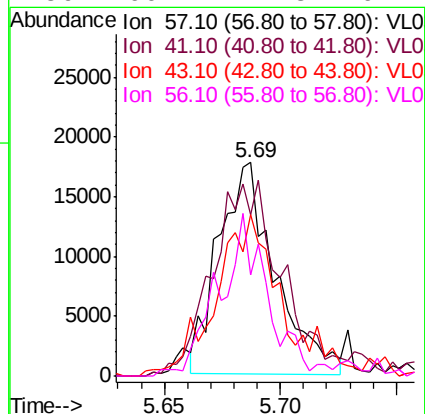
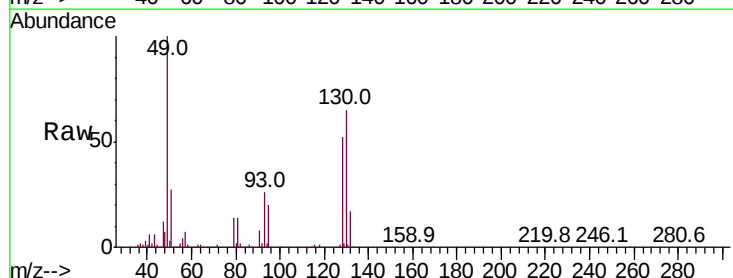
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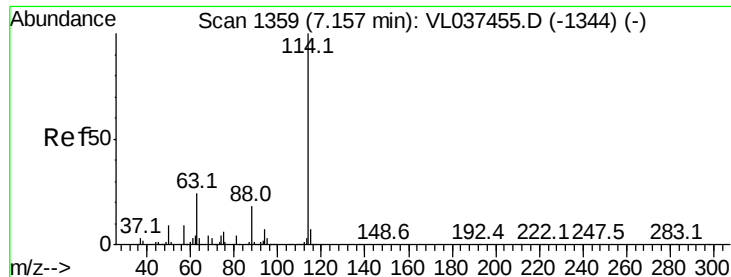
Tot Ion:	84	Resp:	55130
Ion	Ratio	Lower	Upper
84	100		
49	156.1	118.2	177.2
51	45.3	36.6	55.0
86	54.3	51.8	77.6



#26
Hexane
Concen: 0.146 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL037529.D
Acq: 3 Sep 2021 20:05

Tgt Ion:	57	Resp:	30153
Ion	Ratio	Lower	Upper
57	100		
41	119.1	72.3	108.5#
43	90.4	172.3	258.5#
56	66.1	42.8	64.2#

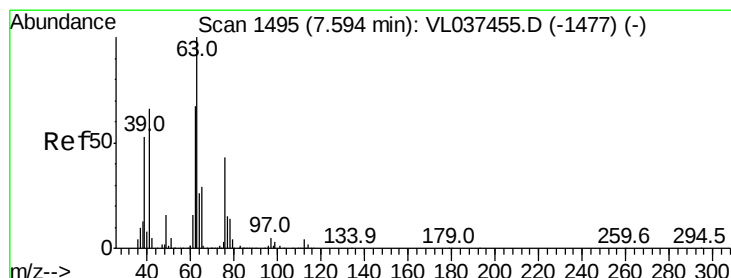
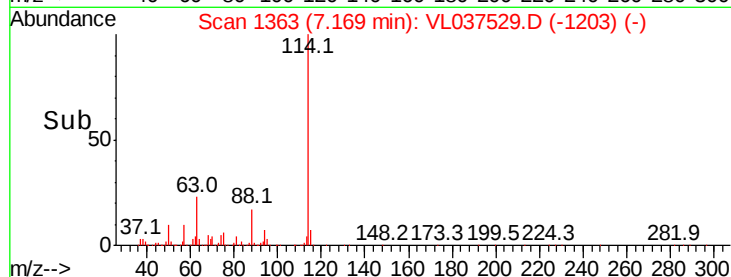
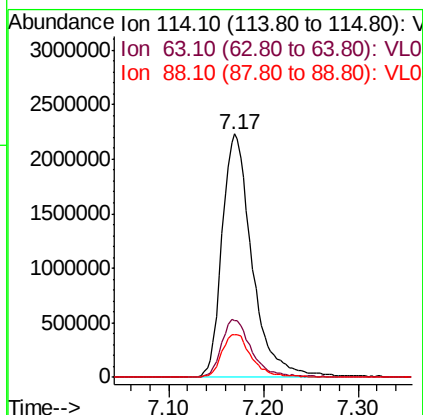
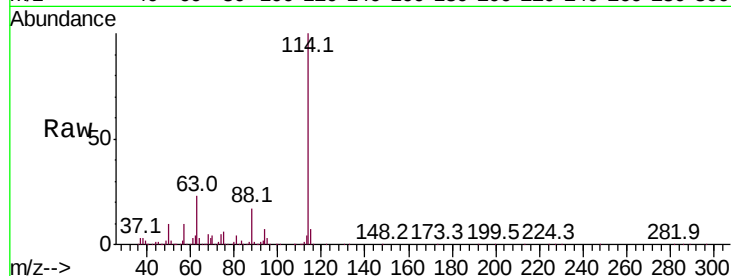




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VL037529.D
 Acq: 3 Sep 2021 20:05

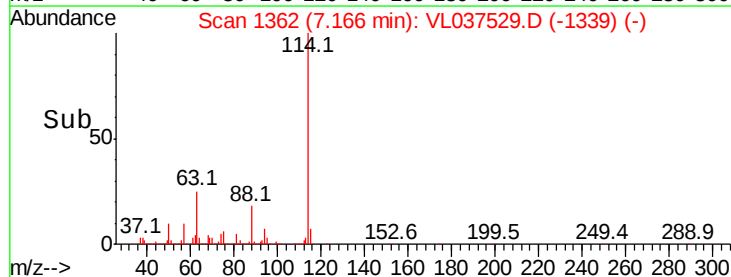
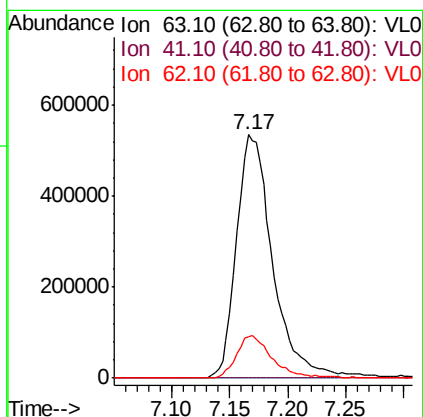
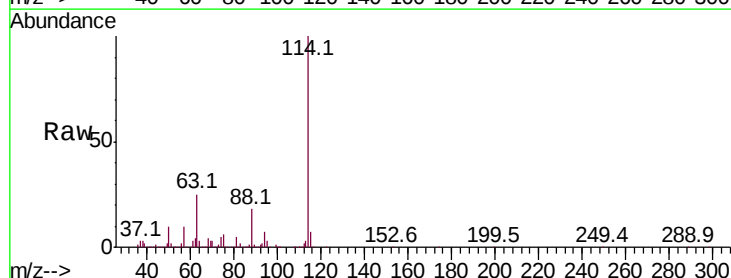
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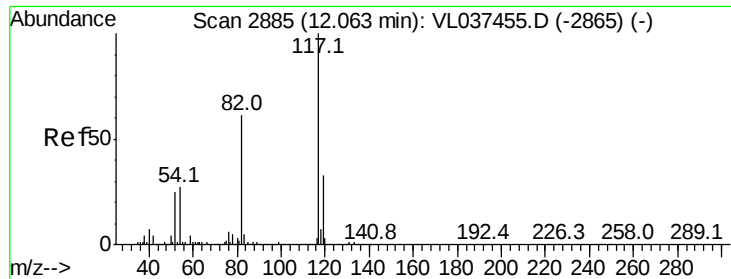
Tot Ion:114 Resp: 4930037
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.3 28.9
 88 17.8 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 7.234 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.43 min
 Lab File: VL037529.D
 Acq: 3 Sep 2021 20:05

Tgt Ion: 63 Resp: 1152030
 Ion Ratio Lower Upper
 63 100
 41 0.1 52.4 78.6#
 62 17.1 53.6 80.4#

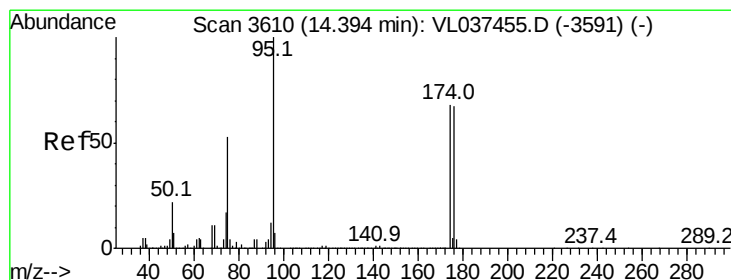
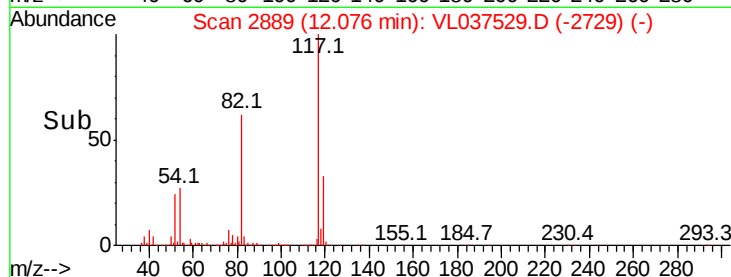
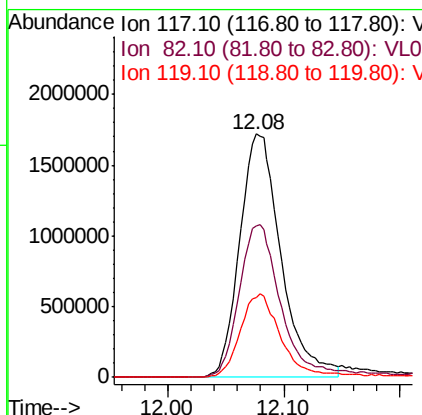
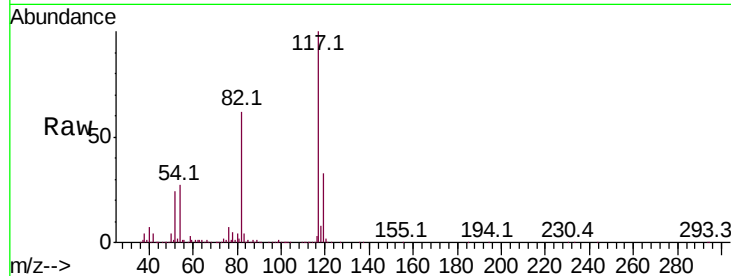




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.01 min
Lab File: VL037529.D
Acq: 3 Sep 2021 20:05

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Tot Ion:117 Resp: 4260486
Ion Ratio Lower Upper
117 100
82 67.2 52.9 79.3
119 35.5 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.329 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.01 min
Lab File: VL037529.D
Acq: 3 Sep 2021 20:05

Tgt Ion: 95 Resp: 3126331
Ion Ratio Lower Upper
95 100
174 75.4 59.6 89.4
175 5.5 4.6 7.0

