

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037520.D
 Acq On : 3 Sep 2021 14:27
 Operator : SY/AP
 Sample : CAN 10281
 Misc : 400mL/MSVOA L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10281

Quant Time: Sep 04 04:21:36 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	1443400	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4157236	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	3367793	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2426804	10.14	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

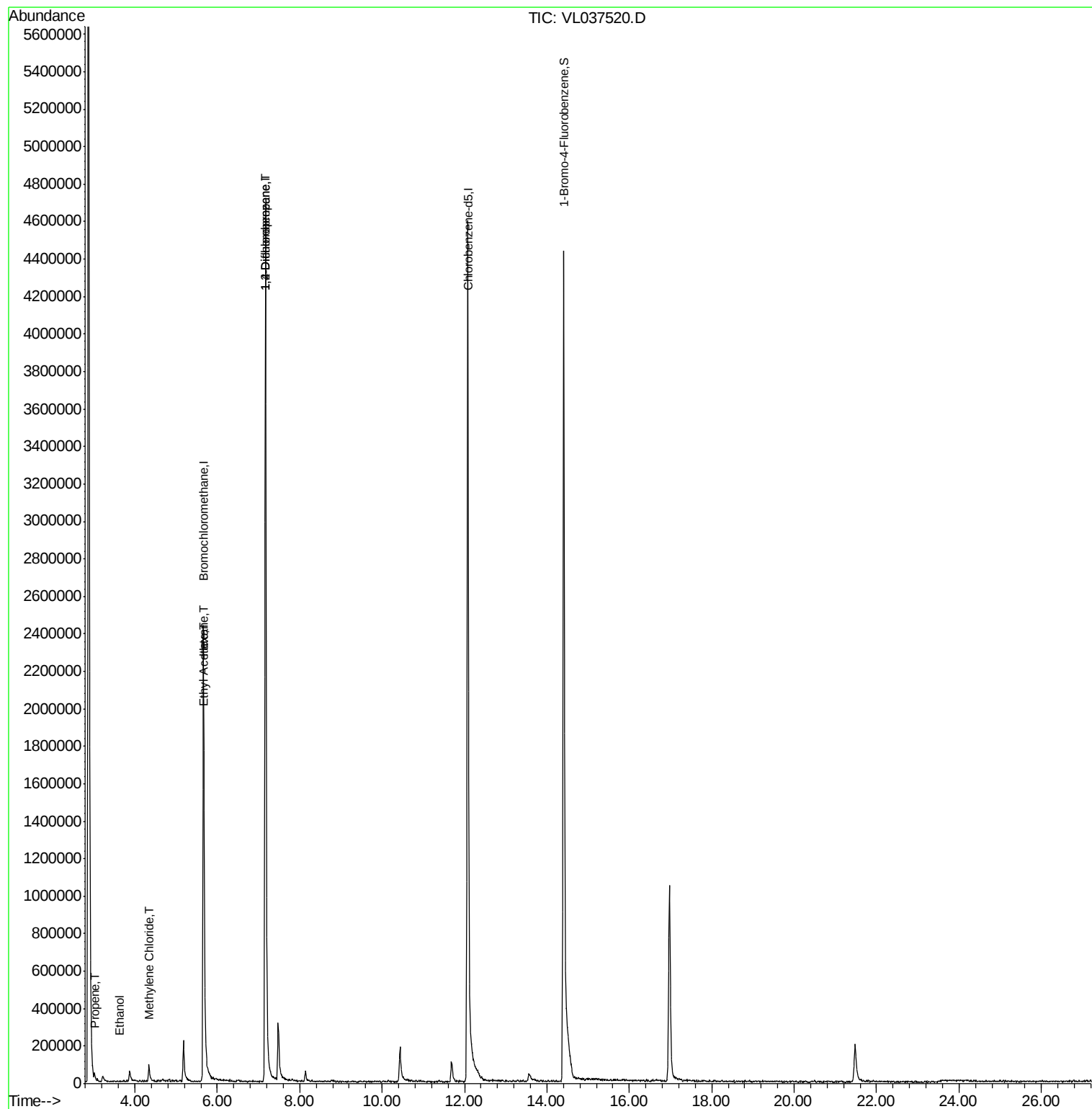
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	12916	0.131	ppbv	98
13) Ethanol	3.61	45	671	0.070	ppbv #	39
20) Methylene Chloride	4.34	84	30394	0.413	ppbv	85
25) Ethyl Acetate	5.68	43	14534	0.039	ppbv #	83
26) Hexane	5.68	57	12988	0.071	ppbv #	45
39) 1,2-Dichloropropane	7.17	63	968227	7.210	ppbv #	28

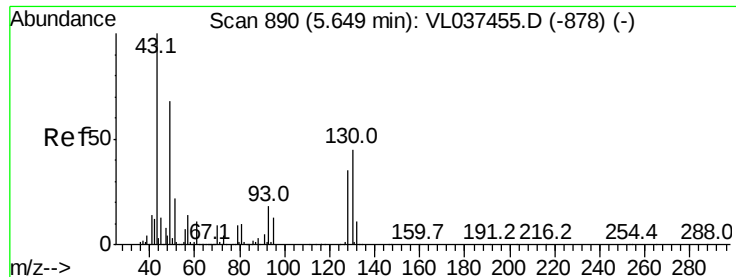
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037520.D

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ClientSampleId :

CAN 10281

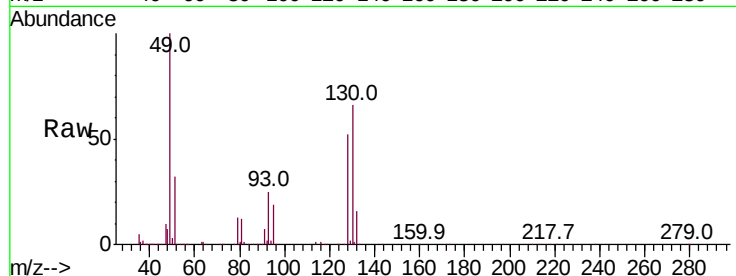
Tot Ion: 49 Resp: 1443400

Ion Ratio Lower Upper

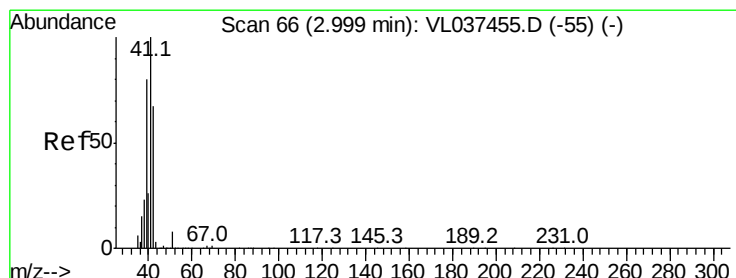
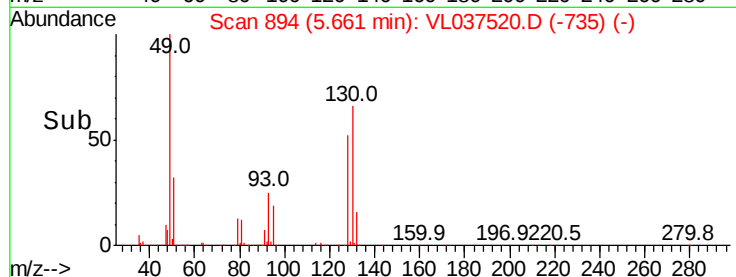
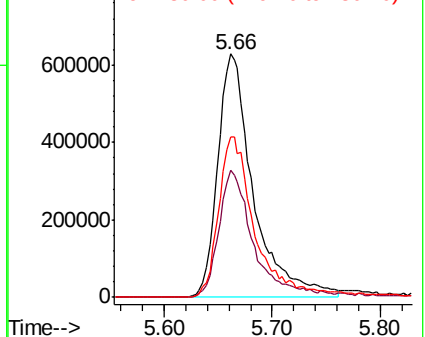
49 100

128 53.1 27.5 82.4

130 69.1 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



#9

Propene

Concen: 0.131 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL037520.D

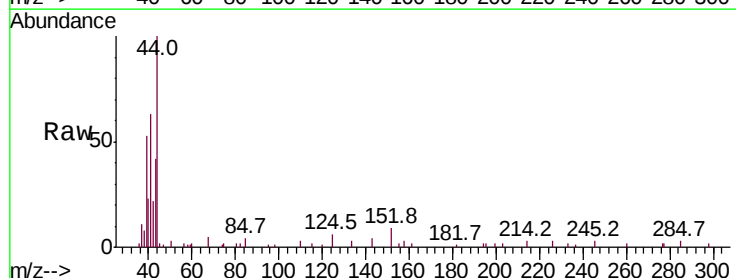
Acq: 3 Sep 2021 14:27

Tgt Ion: 41 Resp: 12916

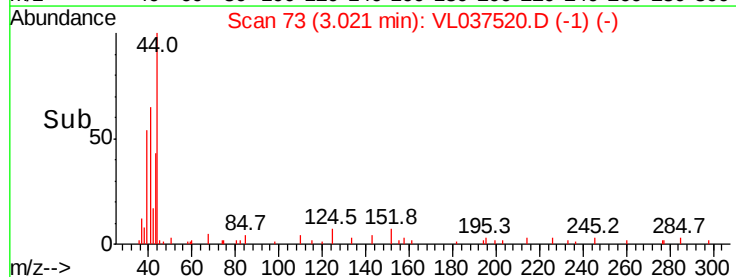
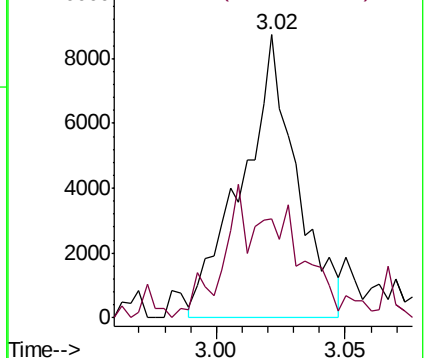
Ion Ratio Lower Upper

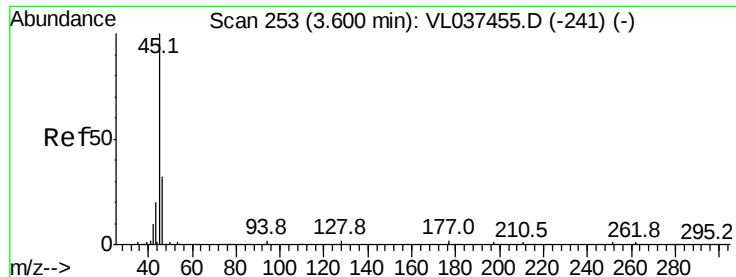
41 100

42 65.1 53.7 80.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0

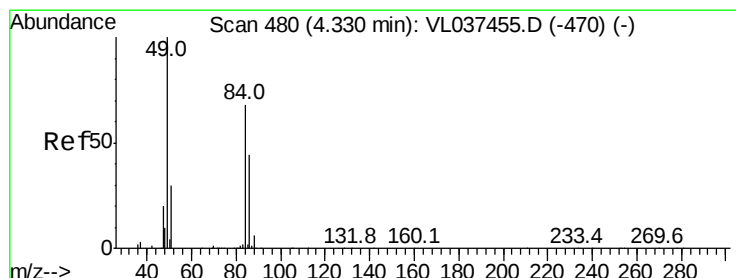
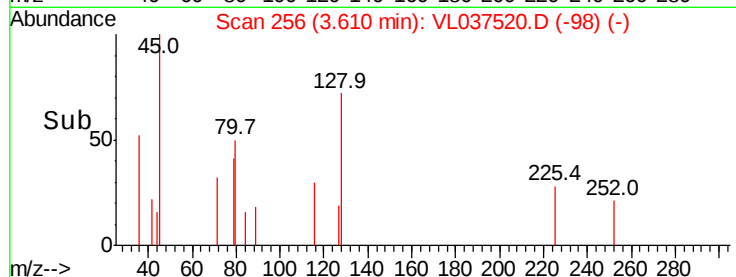
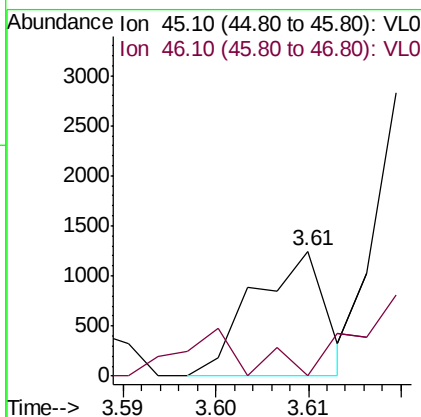
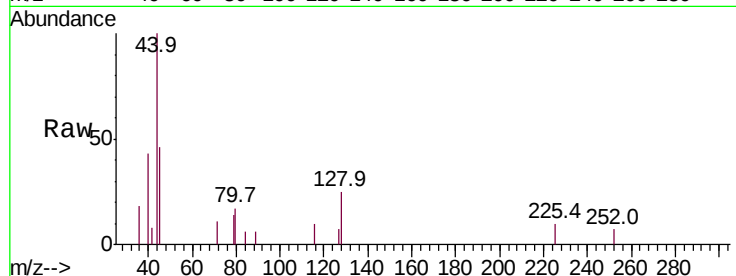




#13
Ethanol
Concen: 0.070 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037520.D
Acq: 3 Sep 2021 14:27

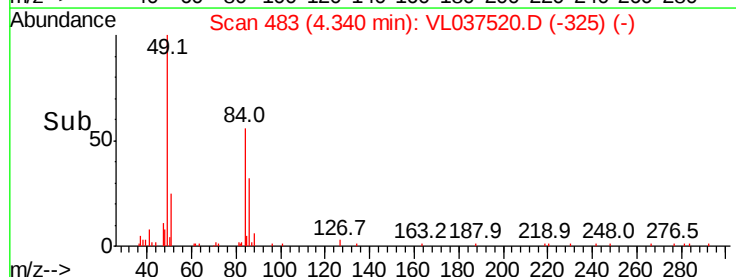
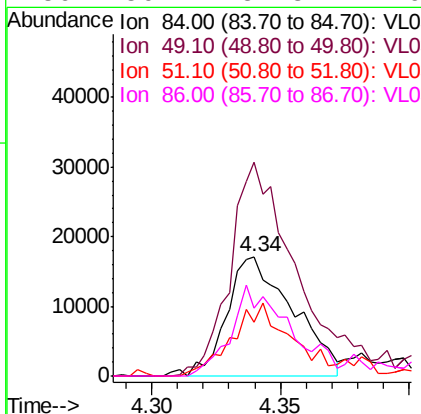
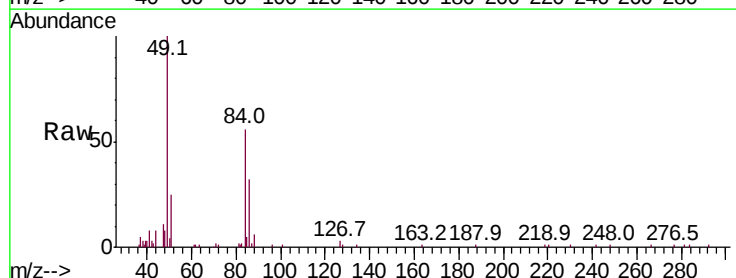
Instrument :
MSVOA_L
ClientSampleId :
CAN 10281

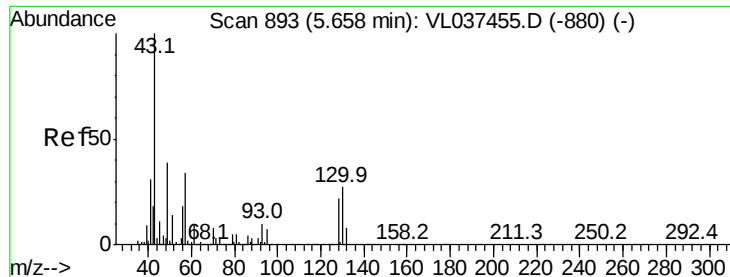
Tot Ion: 45 Resp: 671
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#



#20
Methylene Chloride
Concen: 0.413 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL037520.D
Acq: 3 Sep 2021 14:27

Tgt Ion: 84 Resp: 30394
Ion Ratio Lower Upper
84 100
49 171.8 118.2 177.2
51 41.8 36.6 55.0
86 56.4 51.8 77.6

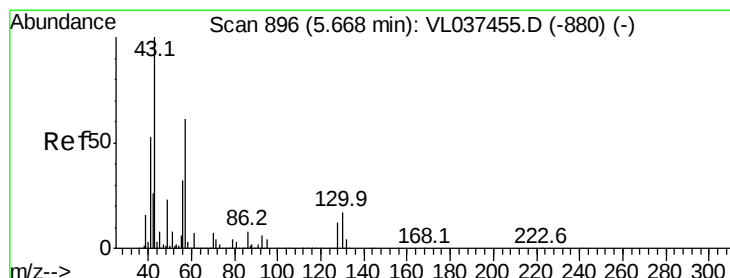
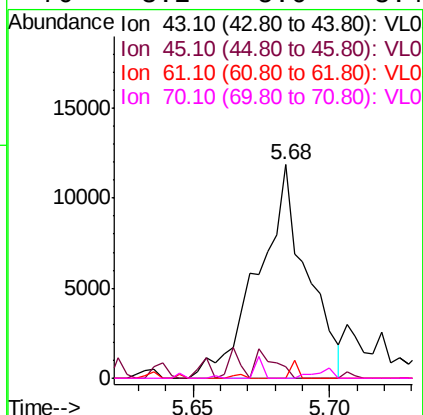
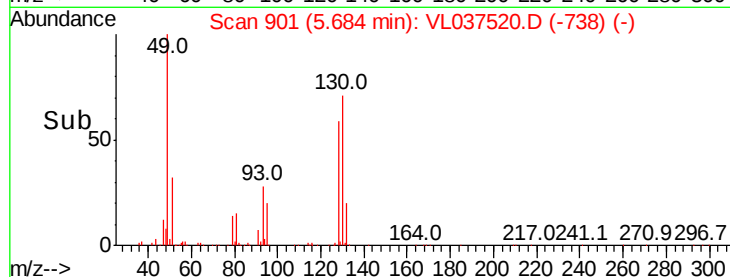
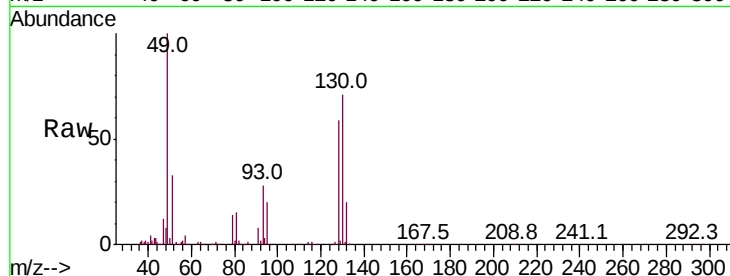




#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.03 min
Lab File: VL037520.D
Acq: 3 Sep 2021 14:27

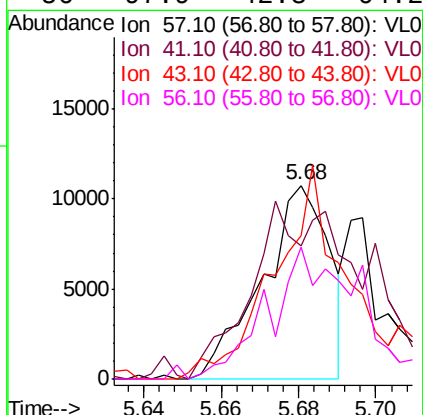
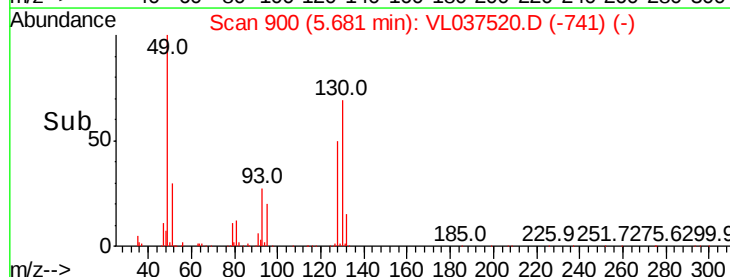
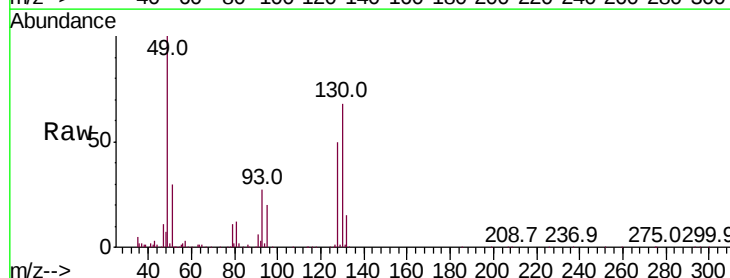
Instrument :
MSVOA_L
ClientSampleId :
CAN 10281

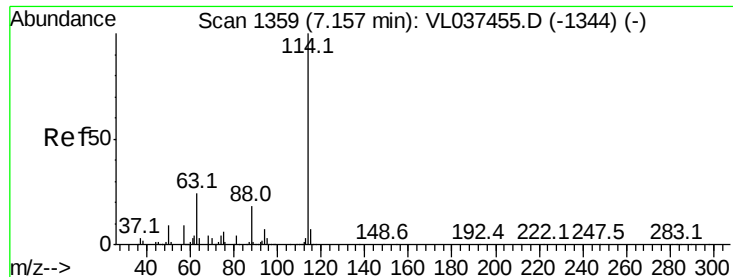
Tot Ion:	43	Resp:	14534
Ion	Ratio	Lower	Upper
43	100		
45	5.4	8.0	12.0#
61	0.0	8.0	12.0#
70	3.2	5.6	8.4#



#26
Hexane
Concen: 0.071 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037520.D
Acq: 3 Sep 2021 14:27

Tgt Ion:	57	Resp:	12988
Ion	Ratio	Lower	Upper
57	100		
41	153.1	72.3	108.5#
43	137.8	172.3	258.5#
56	97.9	42.8	64.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.01 min

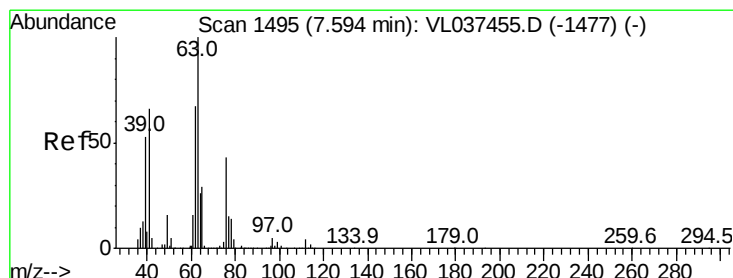
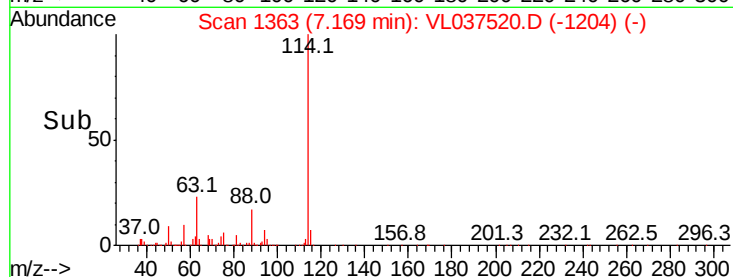
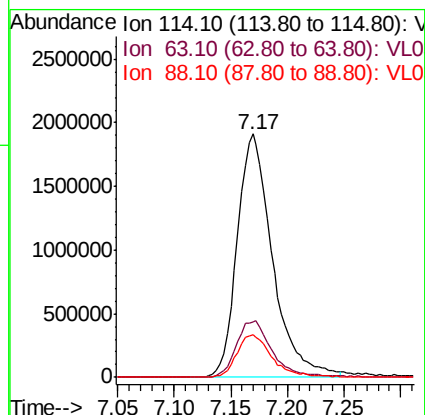
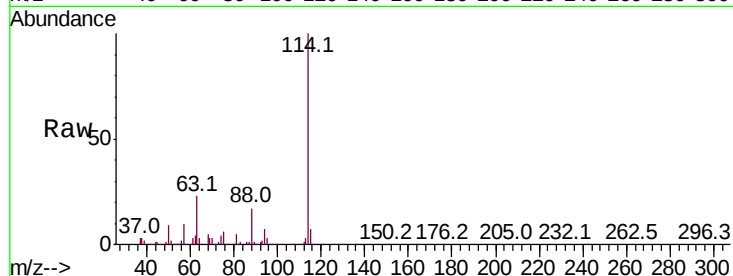
Lab File: VL037520.D

Acq: 3 Sep 2021 14:27

Instrument :
MSVOA_L
ClientSampleId :
CAN 10281

Tot Ion:114 Resp: 4157236

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.3	28.9
88	17.7	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.210 ppbv

RT: 7.17 min Scan# 1364

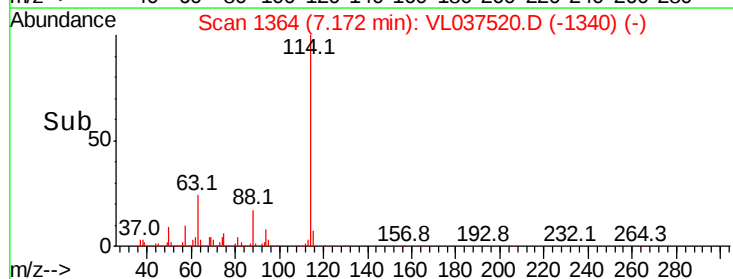
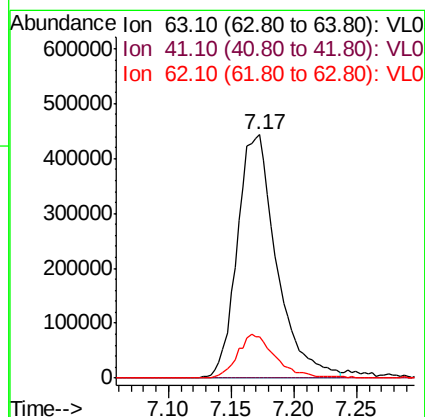
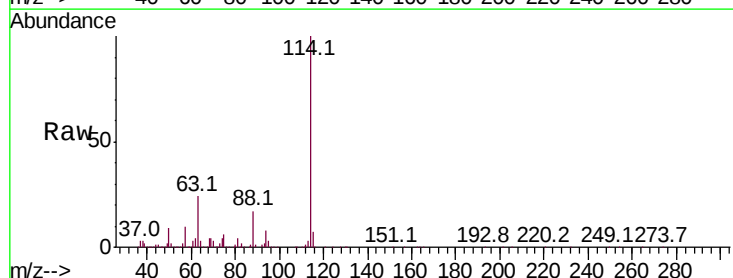
Delta R.T. -0.42 min

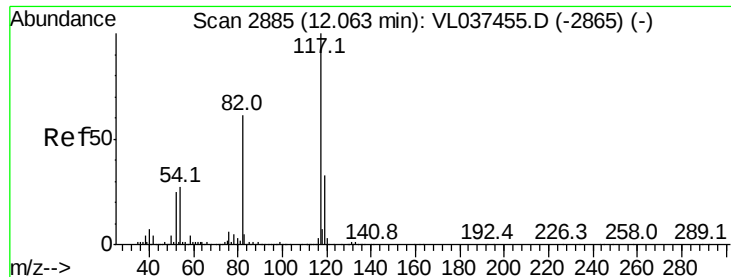
Lab File: VL037520.D

Acq: 3 Sep 2021 14:27

Tgt Ion: 63 Resp: 968227

Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.4	78.6#
62	17.2	53.6	80.4#

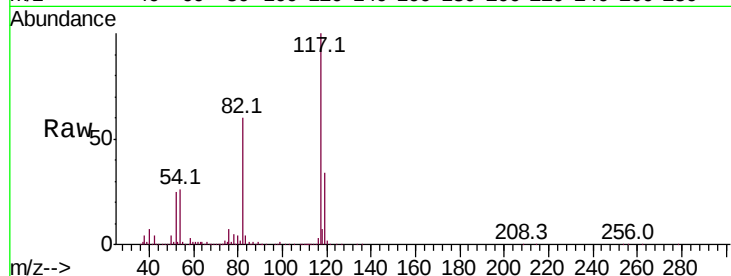




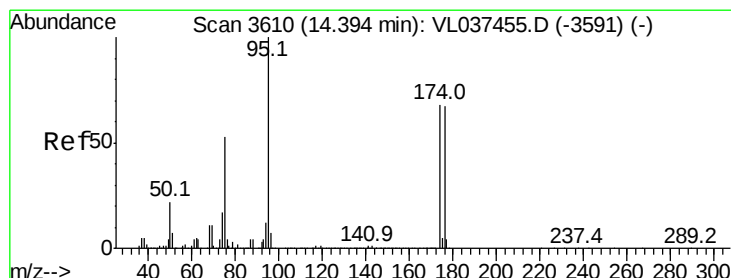
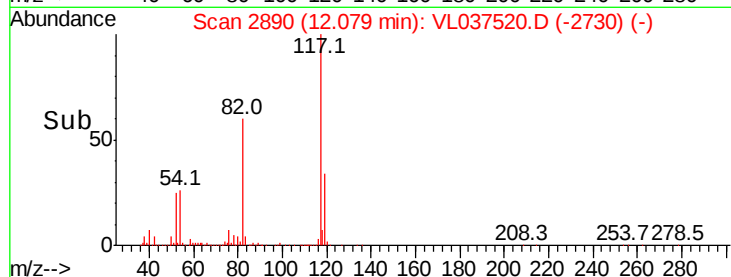
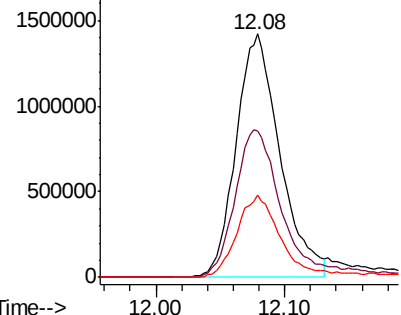
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL037520.D
Acq: 3 Sep 2021 14:27

Instrument :
MSVOA_L
ClientSampleId :
CAN 10281

Tot Ion:117 Resp: 3367793
Ion Ratio Lower Upper
117 100
82 70.5 52.9 79.3
119 36.1 24.8 37.2

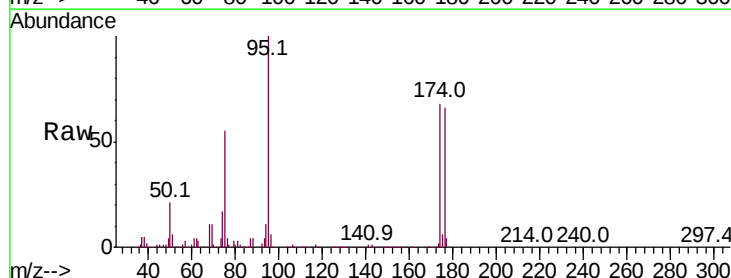


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.143 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.01 min
Lab File: VL037520.D
Acq: 3 Sep 2021 14:27

Tgt Ion: 95 Resp: 2426804
Ion Ratio Lower Upper
95 100
174 78.3 59.6 89.4
175 5.5 4.6 7.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

