

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037528.D
 Acq On : 3 Sep 2021 19:27
 Operator : SY/AP
 Sample : CAN 10300
 Misc : 400mL/MSVOA L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10300

Quant Time: Sep 04 04:22:27 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	1657256	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4770144	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	4085100	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3041915	10.48	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

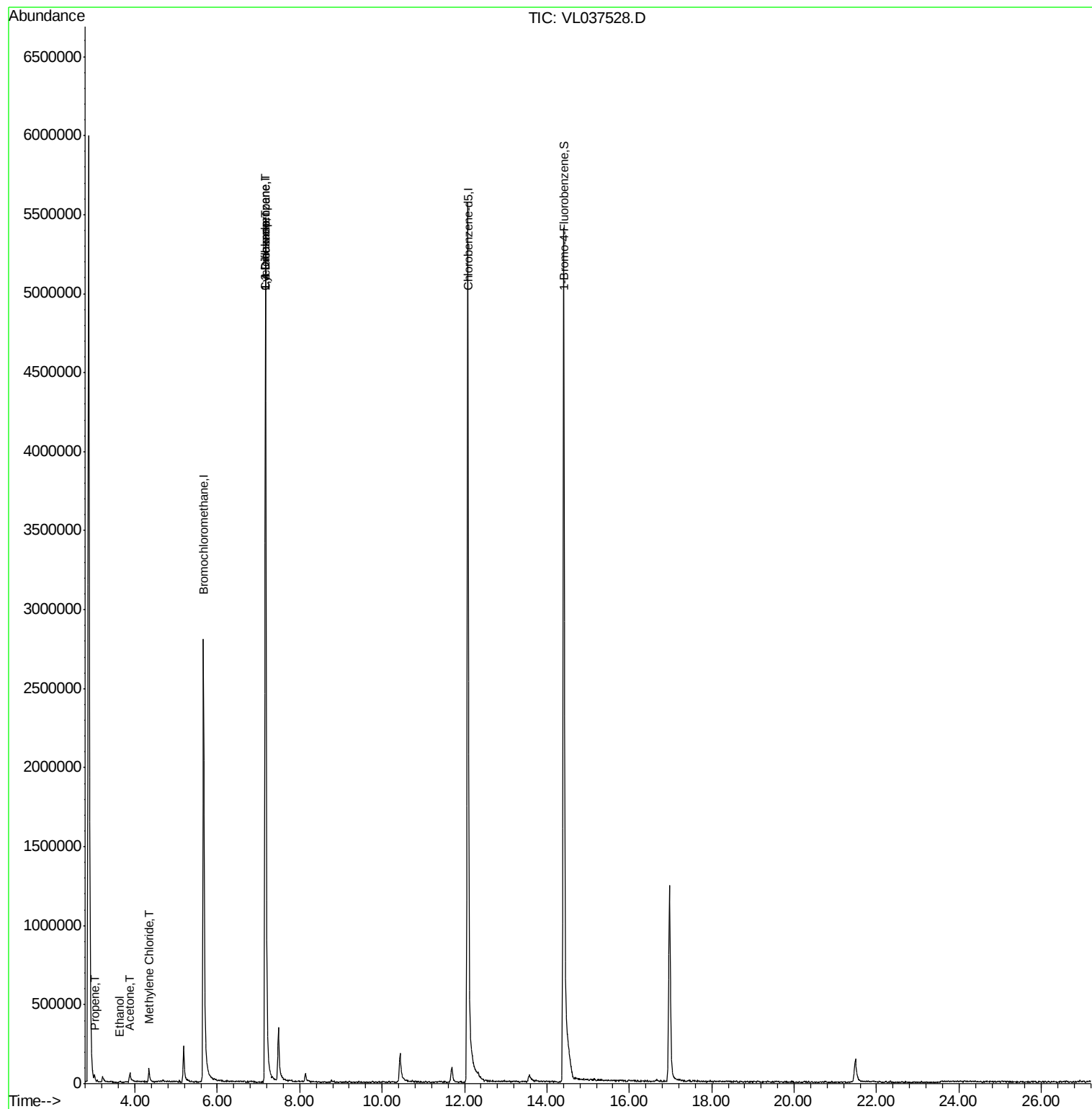
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	5217	0.046	ppbv #	14
13) Ethanol	3.63	45	1997	0.181	ppbv	89
15) Acetone	3.86	43	14742	0.087	ppbv #	44
20) Methylene Chloride	4.34	84	20963	0.248	ppbv #	89
30) Cyclohexane	7.16	84	13773	0.079	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	1132039	7.347	ppbv #	28

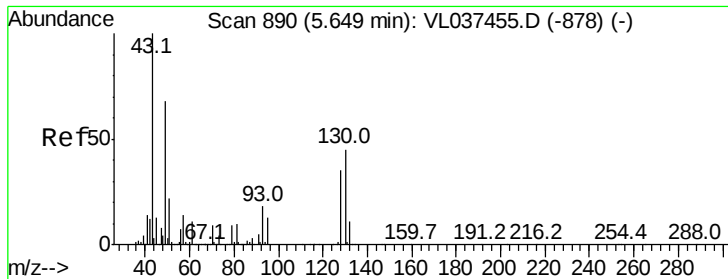
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037528.D

Acq: 3 Sep 2021 19:27

Instrument :
MSVOA_L
ClientSampleId :
CAN 10300

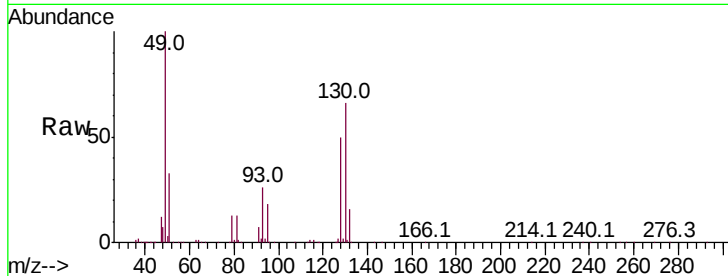
Tot Ion: 49 Resp: 1657256

Ion Ratio Lower Upper

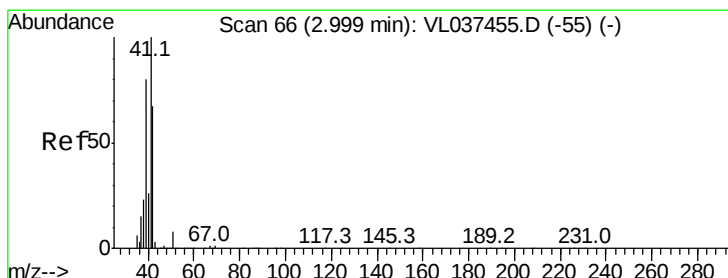
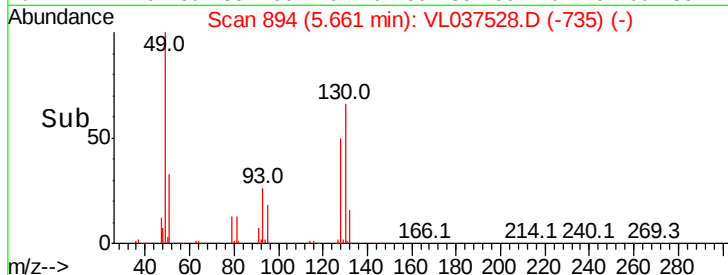
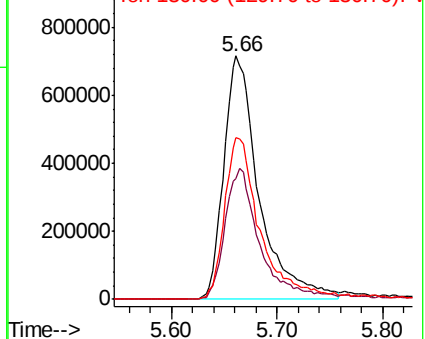
49 100

128 55.7 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: 0.046 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037528.D

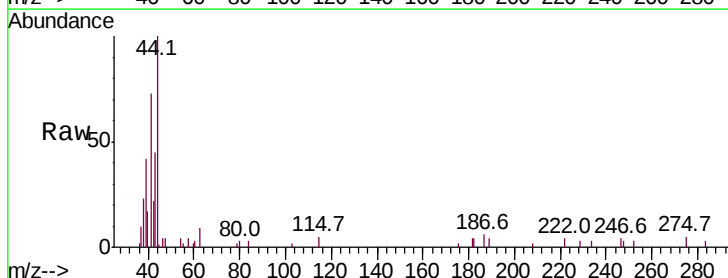
Acq: 3 Sep 2021 19:27

Tgt Ion: 41 Resp: 5217

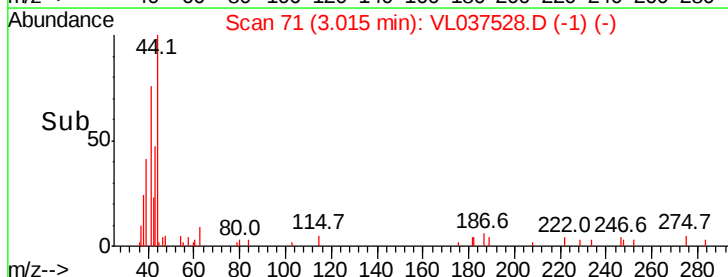
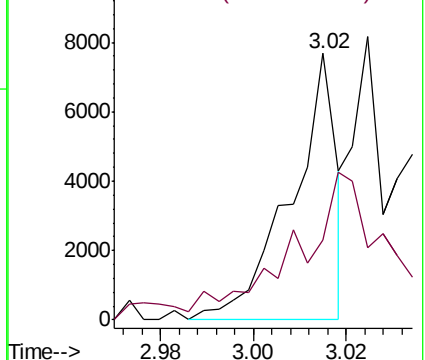
Ion Ratio Lower Upper

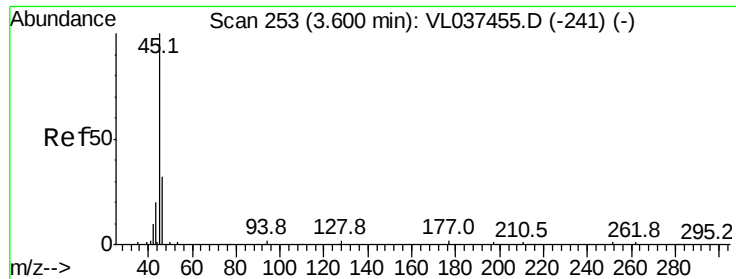
41 100

42 135.8 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: 0.181 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.03 min

Lab File: VL037528.D

Acq: 3 Sep 2021 19:27

Instrument :

MSVOA_L

ClientSampleId :

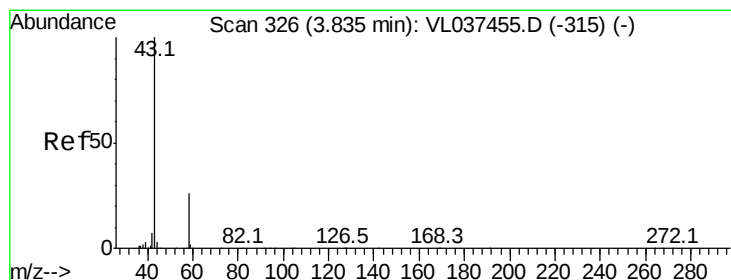
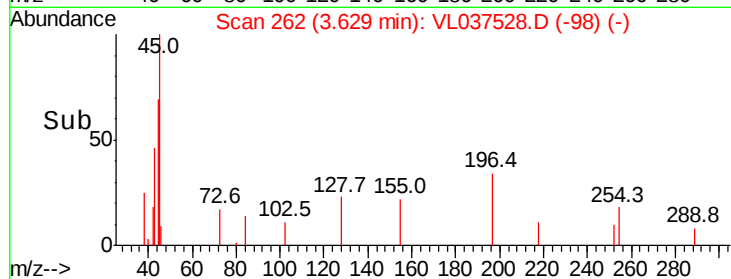
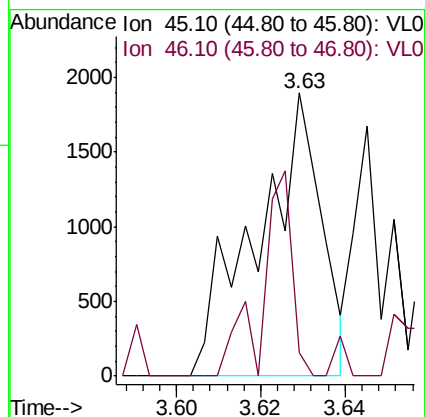
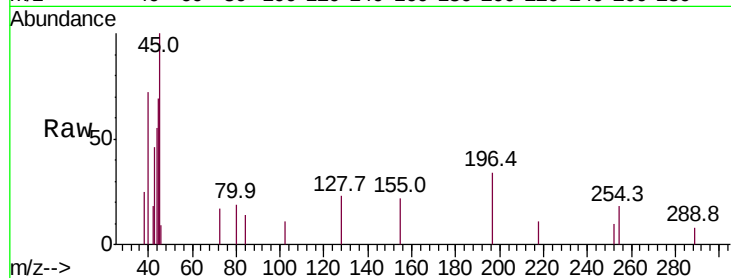
CAN 10300

Tot Ion: 45 Resp: 1997

Ion Ratio Lower Upper

45 100

46 28.8 14.1 56.5



#15

Acetone

Concen: 0.087 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL037528.D

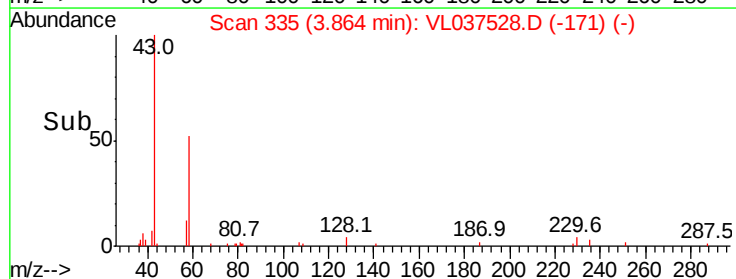
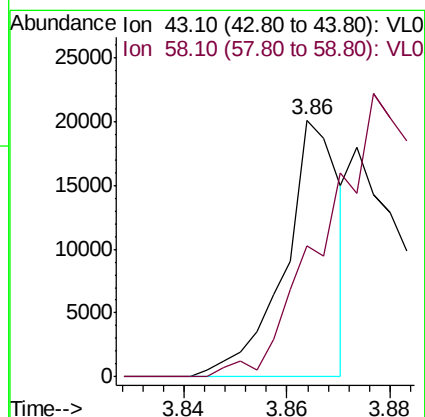
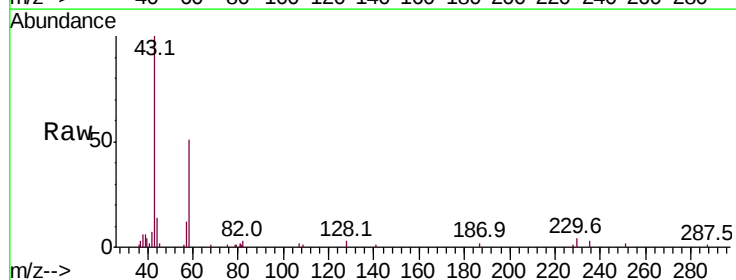
Acq: 3 Sep 2021 19:27

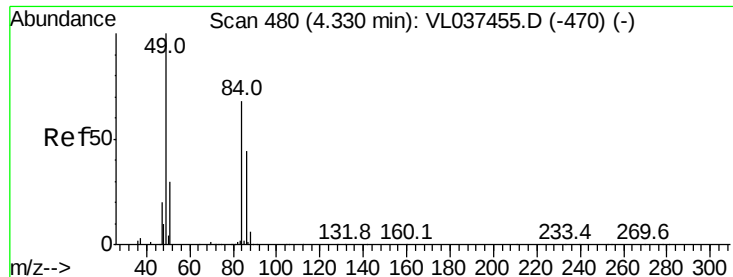
Tgt Ion: 43 Resp: 14742

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#

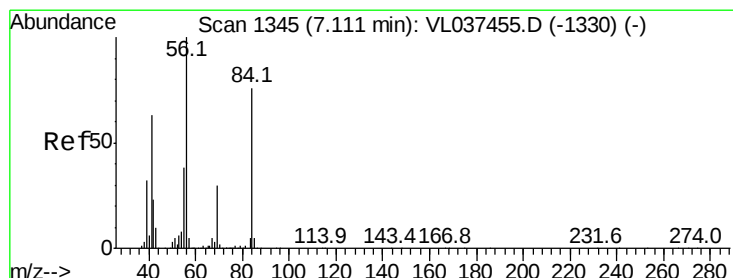
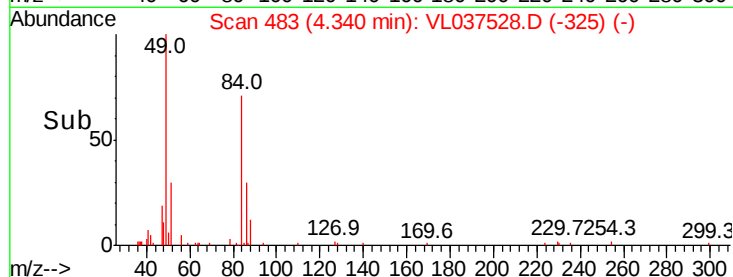
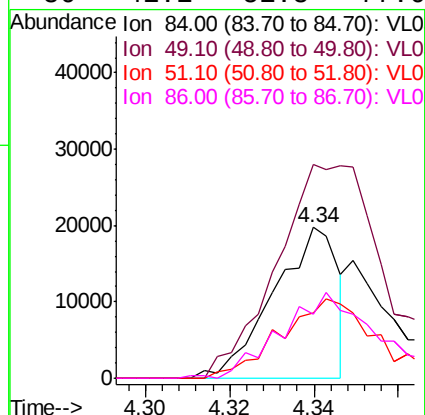
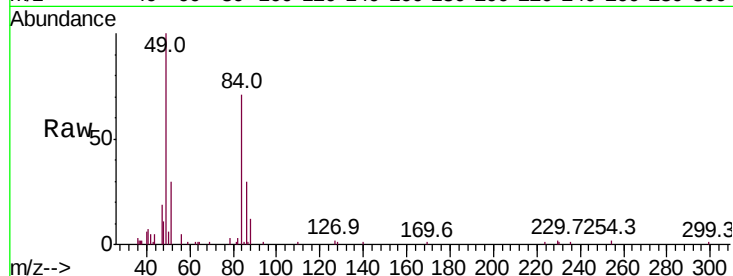




#20
Methvlene Chloride
Concen: 0.248 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL037528.D
Acq: 3 Sep 2021 19:27

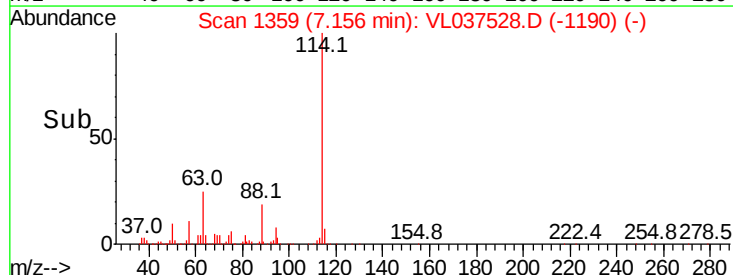
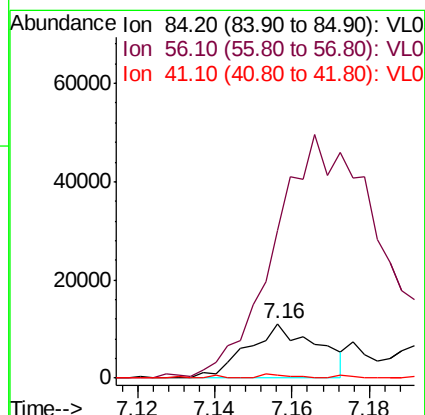
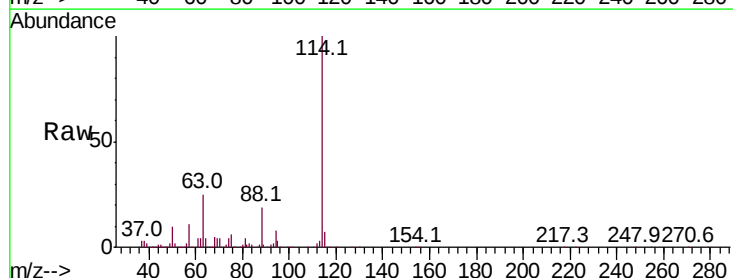
Instrument :
MSVOA_L
ClientSampleId :
CAN 10300

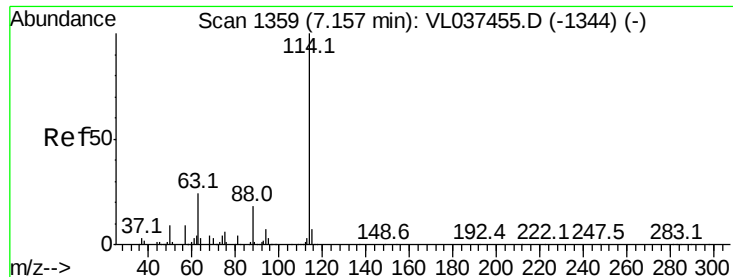
Tot Ion: 84 Resp: 20963
Ion Ratio Lower Upper
84 100
49 141.8 118.2 177.2
51 43.2 36.6 55.0
86 41.1 51.8 77.6#



#30
Cyclohexane
Concen: 0.079 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.04 min
Lab File: VL037528.D
Acq: 3 Sep 2021 19:27

Tgt Ion: 84 Resp: 13773
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 67.0 100.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.01 min

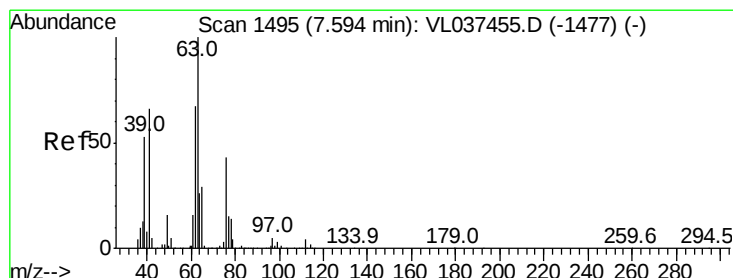
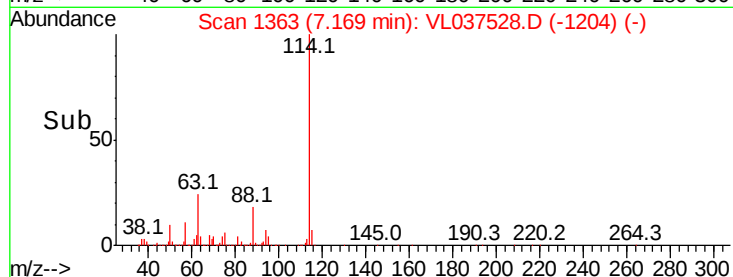
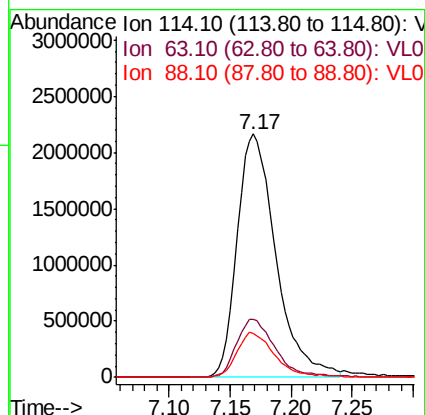
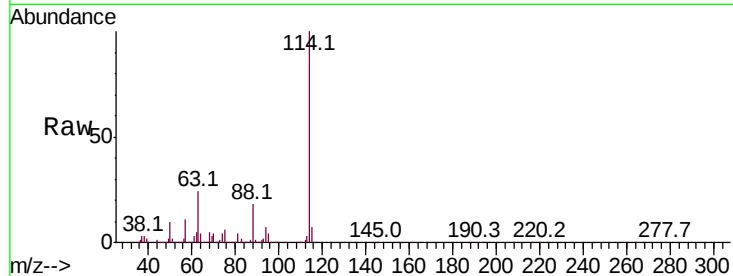
Lab File: VL037528.D

Acq: 3 Sep 2021 19:27

Instrument :
MSVOA_L
ClientSampled :
CAN 10300

Tot Ion:114 Resp: 4770144

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.3	28.9
88	18.3	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.347 ppbv

RT: 7.17 min Scan# 1362

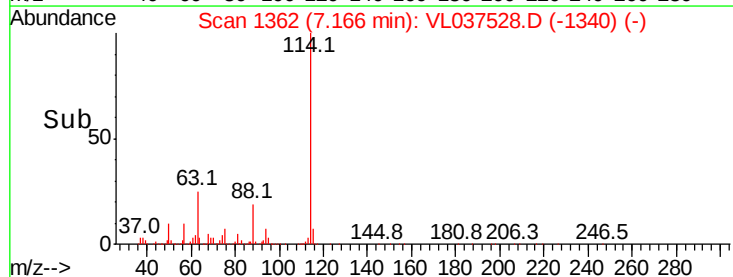
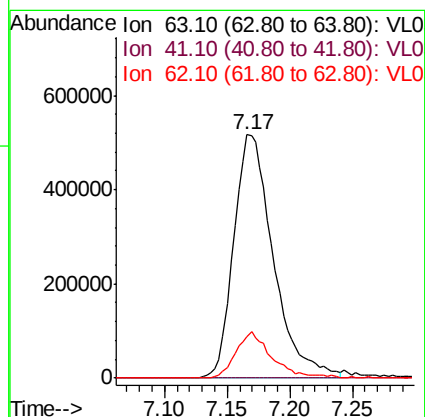
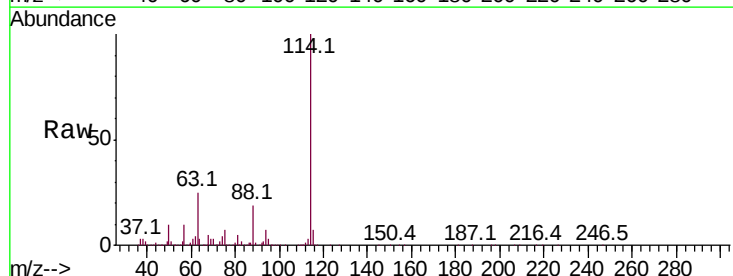
Delta R.T. -0.43 min

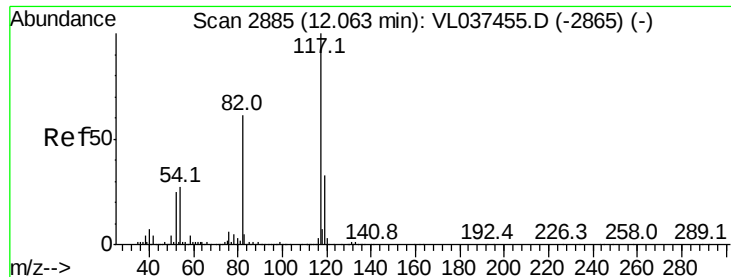
Lab File: VL037528.D

Acq: 3 Sep 2021 19:27

Tgt Ion: 63 Resp: 1132039

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.4	78.6#
62	17.0	53.6	80.4#

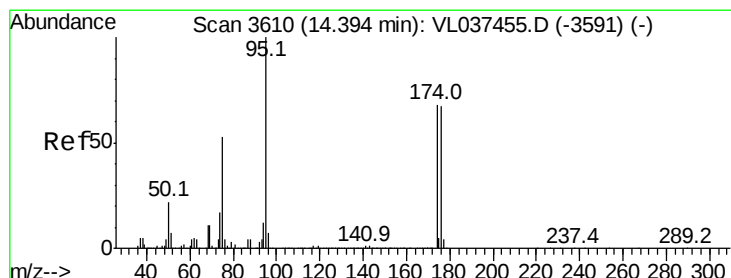
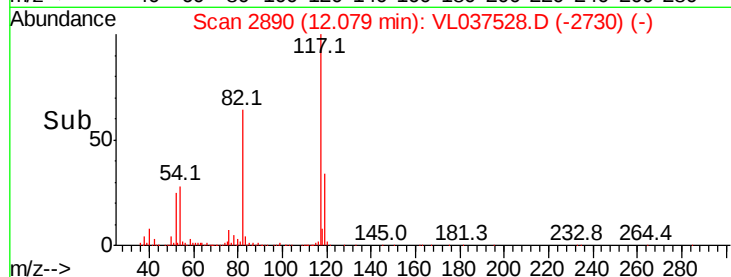
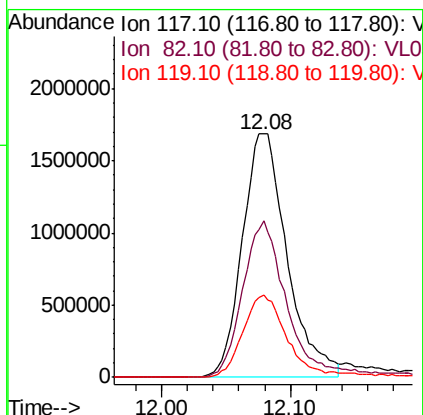
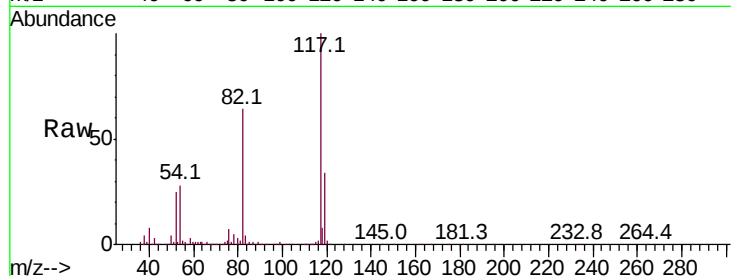




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL037528.D
Acq: 3 Sep 2021 19:27

Instrument :
MSVOA_L
ClientSampleId :
CAN 10300

Tot Ion:117 Resp: 4085100
Ion Ratio Lower Upper
117 100
82 67.8 52.9 79.3
119 35.1 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.481 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.01 min
Lab File: VL037528.D
Acq: 3 Sep 2021 19:27

Tgt Ion: 95 Resp: 3041915
Ion Ratio Lower Upper
95 100
174 74.6 59.6 89.4
175 5.5 4.6 7.0

