

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037524.D
 Acq On : 3 Sep 2021 16:57
 Operator : SY/AP
 Sample : CAN 10596
 Misc : 400mL/MSVOA L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10596

Quant Time: Sep 04 04:22:01 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	1579300	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	4865236	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	4235095	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3117701	10.36	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

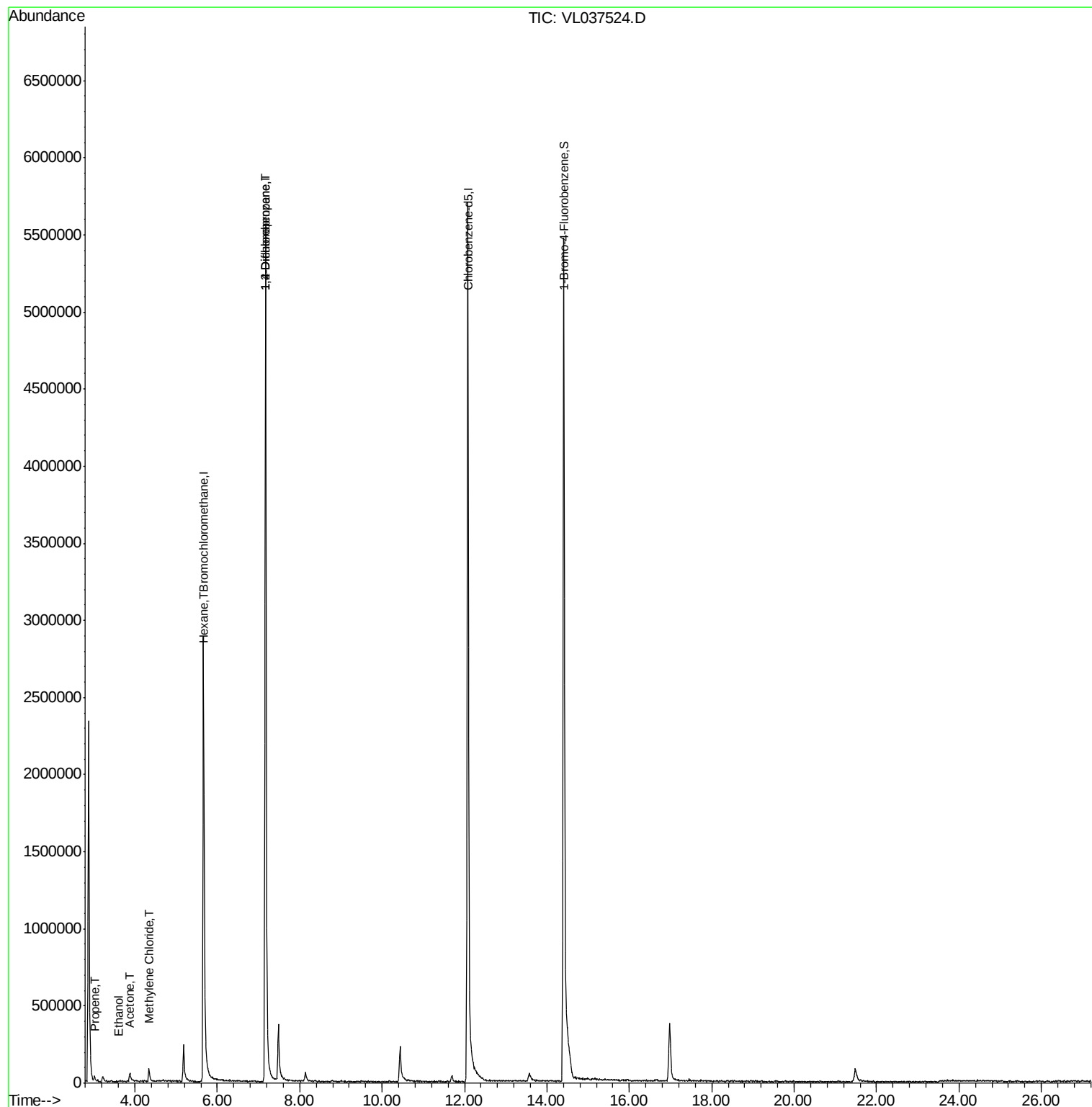
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	7003	0.065	ppbv #	63
13) Ethanol	3.62	45	476	0.045	ppbv #	1
15) Acetone	3.87	43	32386	0.201	ppbv #	1
20) Methylene Chloride	4.35	84	28892	0.359	ppbv	94
26) Hexane	5.68	57	9591	0.048	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	1161813	7.393	ppbv #	27

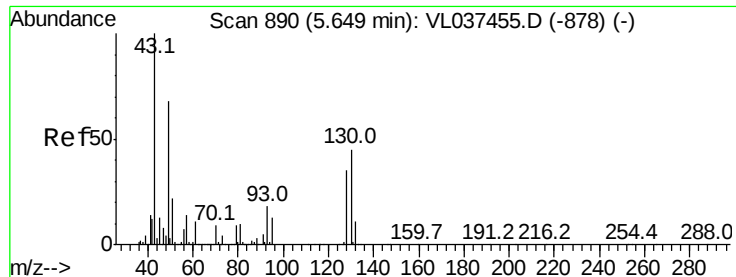
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037524.D

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Instrument :

MSVOA_L

ClientSampleId :

CAN 10596

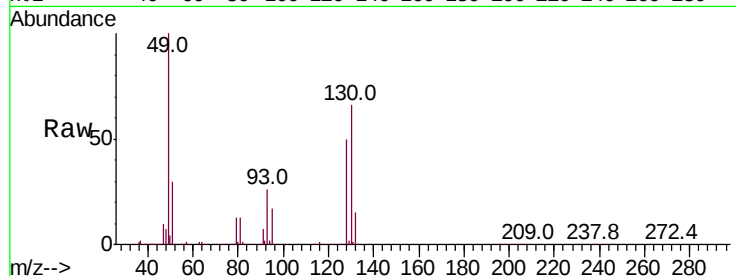
Tot Ion: 49 Resp: 1579300

Ion Ratio Lower Upper

49 100

128 59.3 27.5 82.4

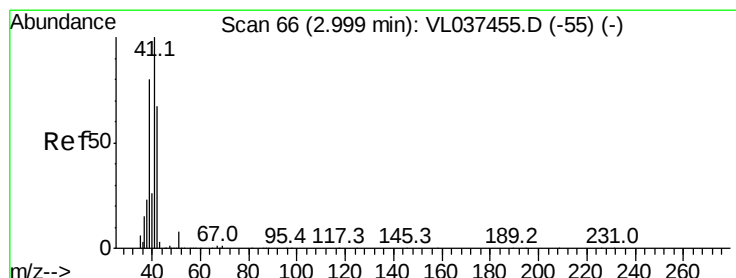
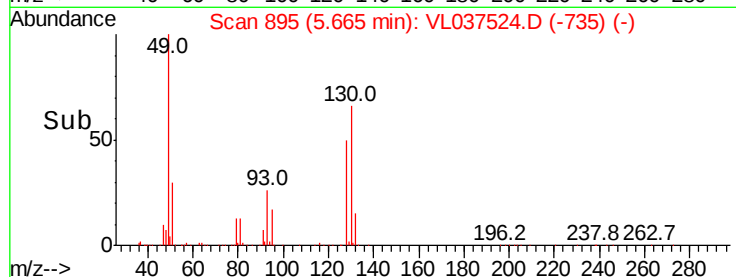
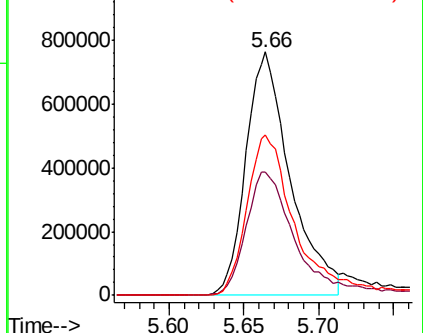
130 75.3 34.0 101.8



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: 0.065 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL037524.D

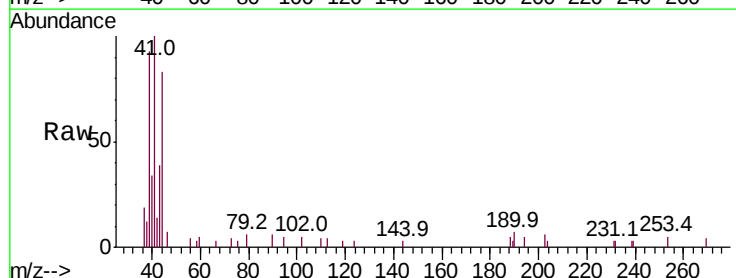
Acq: 3 Sep 2021 16:57

Tgt Ion: 41 Resp: 7003

Ion Ratio Lower Upper

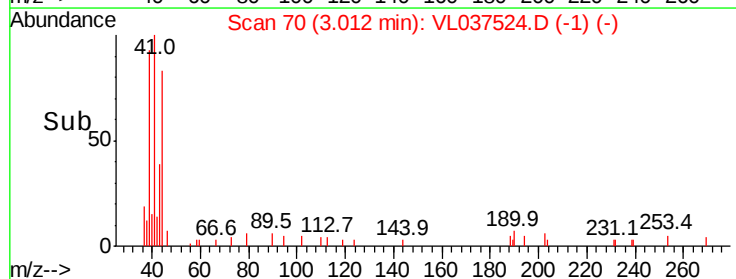
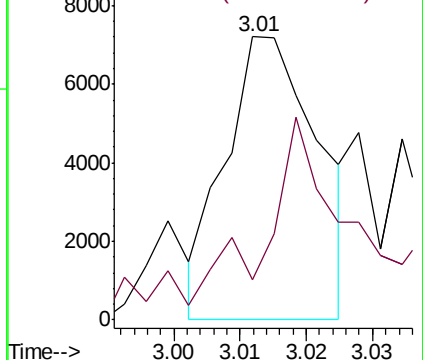
41 100

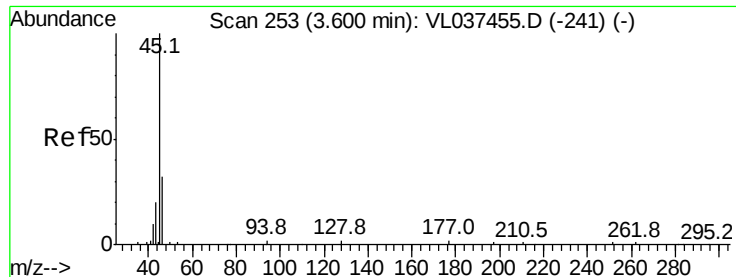
42 96.9 53.7 80.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

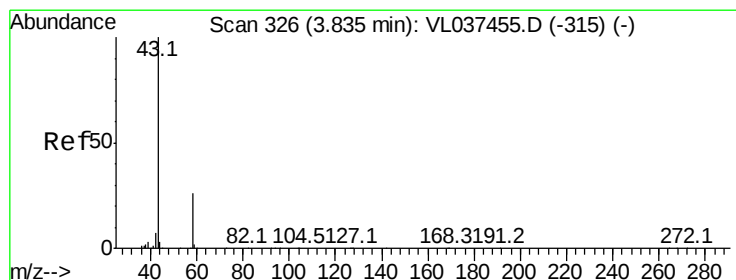
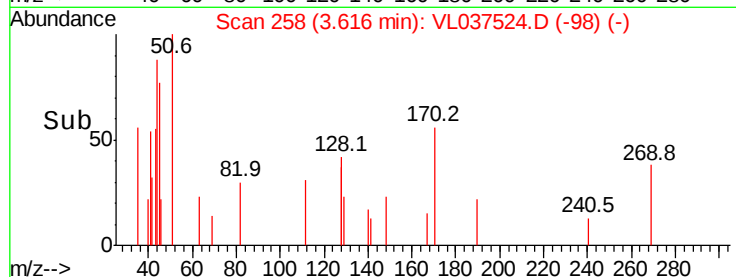
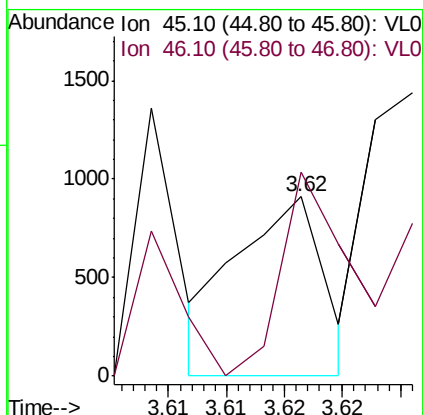
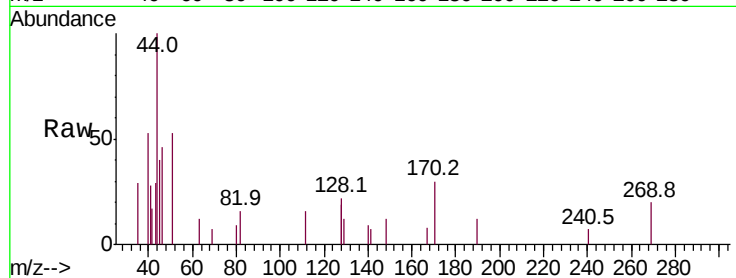




#13
Ethanol
Concen: 0.045 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037524.D
Acq: 3 Sep 2021 16:57

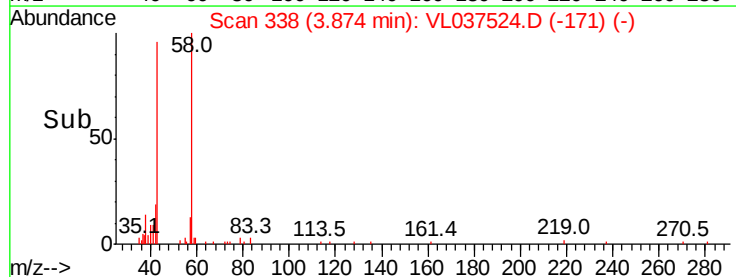
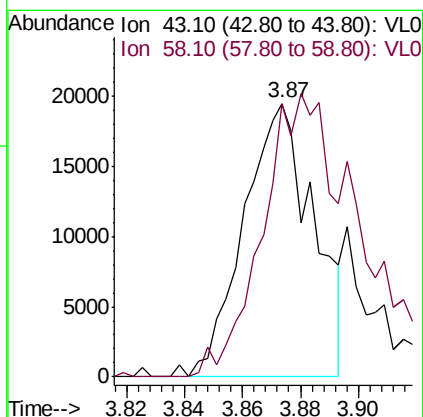
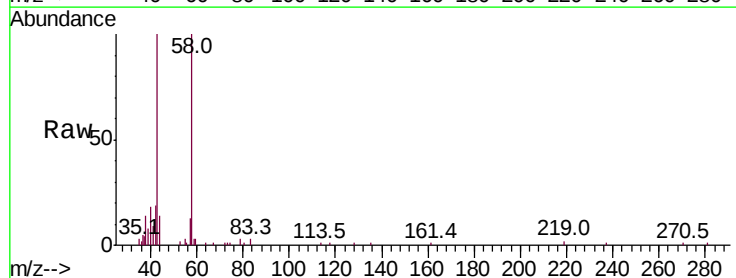
Instrument :
MSVOA_L
ClientSampleId :
CAN 10596

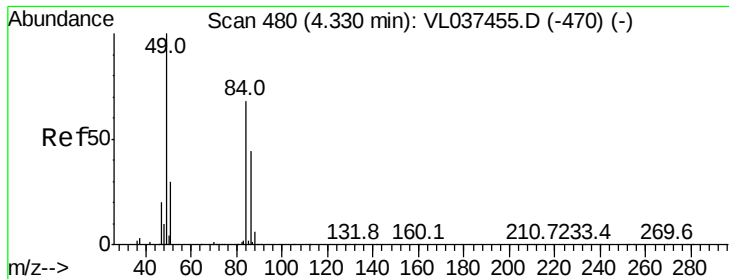
Tot Ion: 45 Resp: 476
Ion Ratio Lower Upper
45 100
46 212.4 14.1 56.5#



#15
Acetone
Concen: 0.201 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL037524.D
Acq: 3 Sep 2021 16:57

Tgt Ion: 43 Resp: 32386
Ion Ratio Lower Upper
43 100
58 164.7 24.8 37.2#





#20

Methvlene Chloride

Concen: 0.359 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037524.D

Acq: 3 Sep 2021 16:57

Instrument :

MSVOA_L

ClientSampleId :

CAN 10596

Tot Ion: 84 Resp: 28892

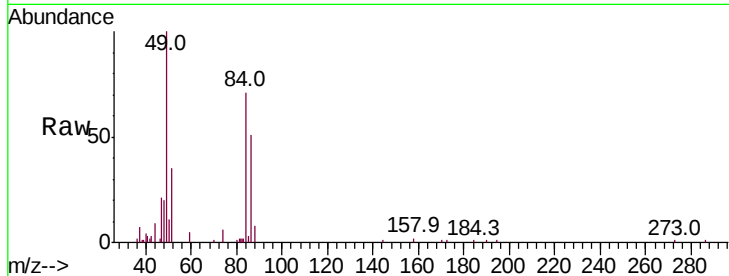
Ion Ratio Lower Upper

84 100

49 139.3 118.2 177.2

51 48.6 36.6 55.0

86 68.5 51.8 77.6

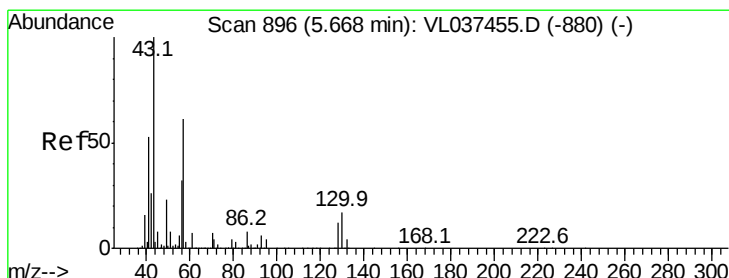
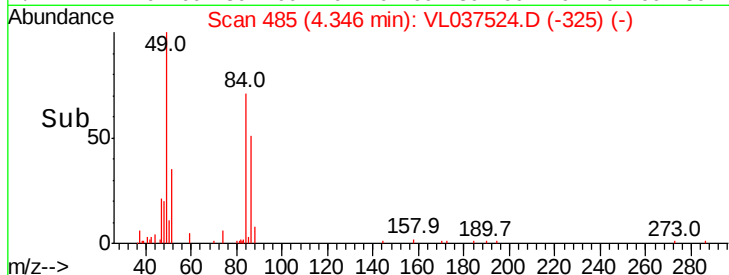
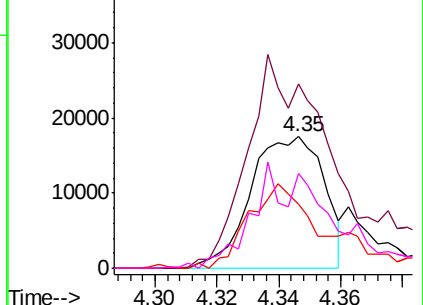


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#26

Hexane

Concen: 0.048 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL037524.D

Acq: 3 Sep 2021 16:57

Tgt Ion: 57 Resp: 9591

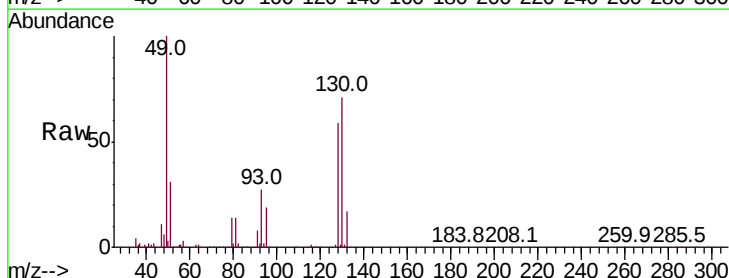
Ion Ratio Lower Upper

57 100

41 190.2 72.3 108.5#

43 0.0 172.3 258.5#

56 111.5 42.8 64.2#

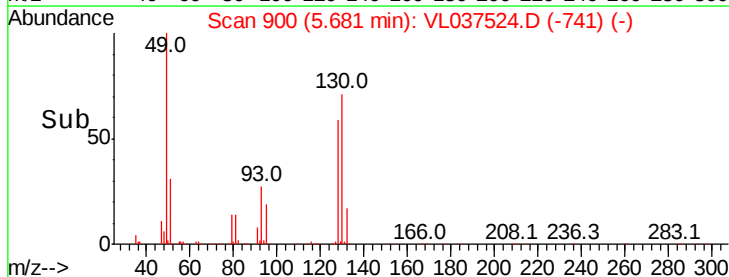
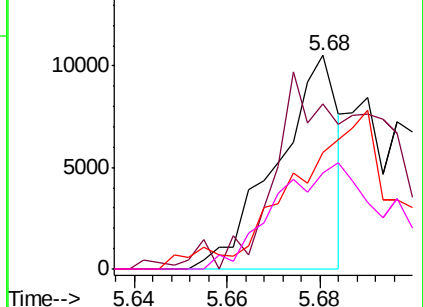


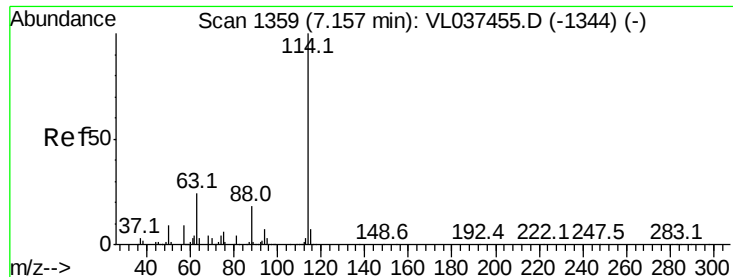
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.01 min

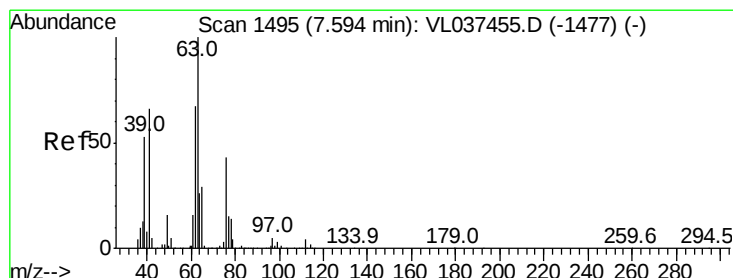
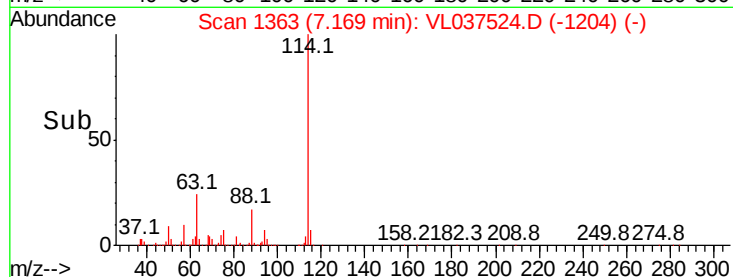
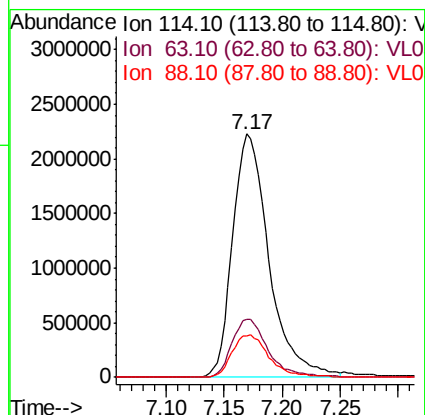
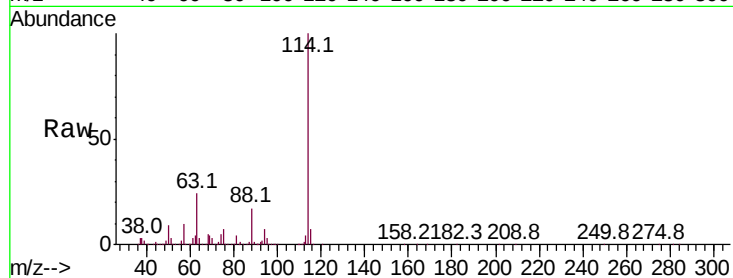
Lab File: VL037524.D

Acq: 3 Sep 2021 16:57

Instrument :
MSVOA_L
ClientSampleId :
CAN 10596

Tot Ion:114 Resp: 4865236

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.3	28.9
88	18.1	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.393 ppbv

RT: 7.17 min Scan# 1363

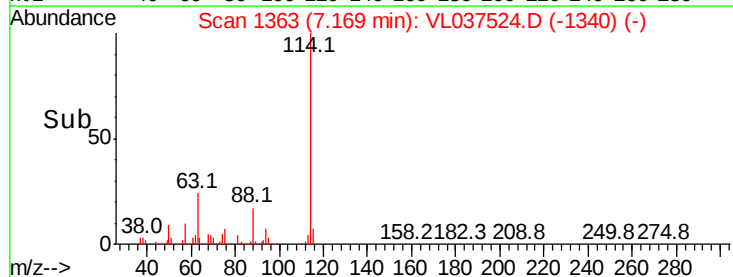
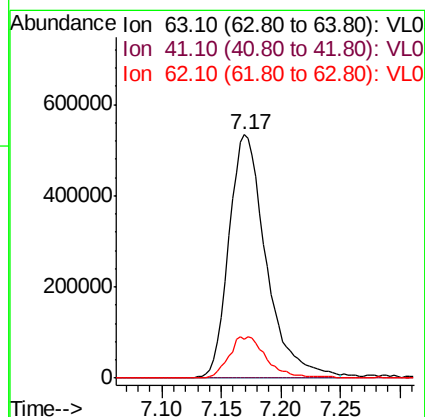
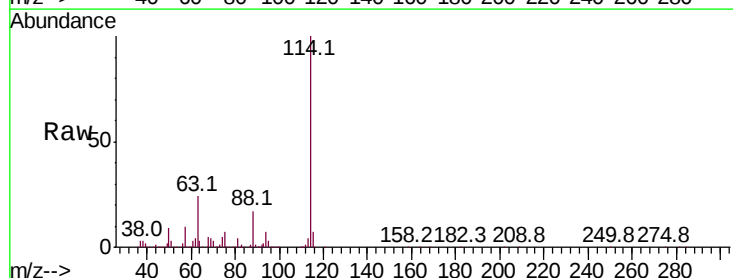
Delta R.T. -0.42 min

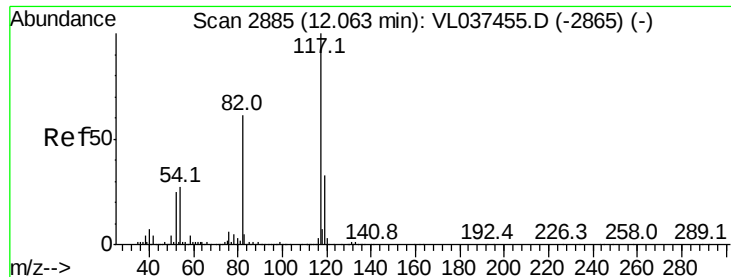
Lab File: VL037524.D

Acq: 3 Sep 2021 16:57

Tgt Ion: 63 Resp: 1161813

Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.4	78.6#
62	15.7	53.6	80.4#

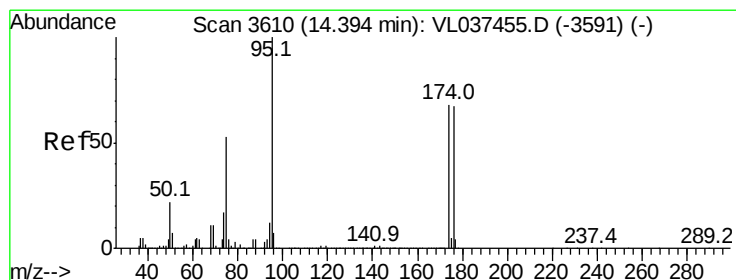
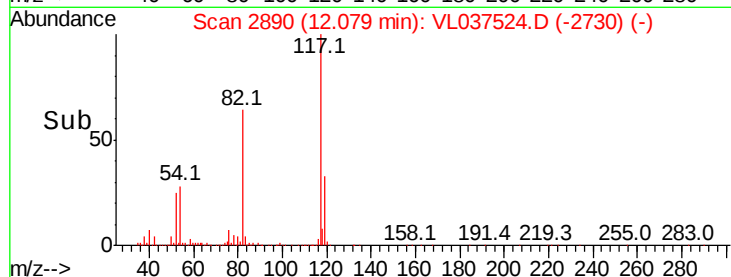
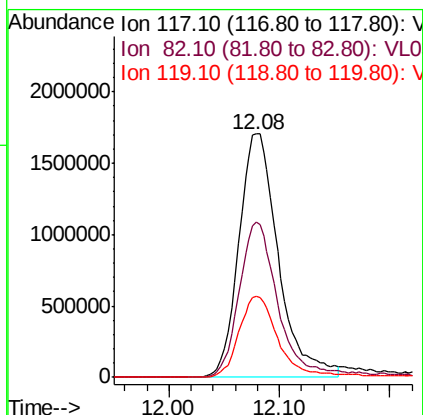
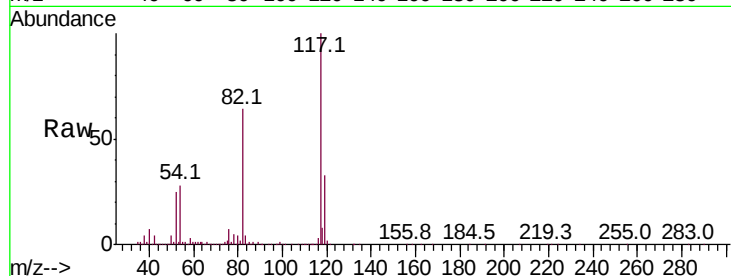




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL037524.D
Acq: 3 Sep 2021 16:57

Instrument :
MSVOA_L
ClientSampleId :
CAN 10596

Tot Ion:117 Resp: 4235095
Ion Ratio Lower Upper
117 100
82 65.2 52.9 79.3
119 34.6 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.362 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.01 min
Lab File: VL037524.D
Acq: 3 Sep 2021 16:57

Tgt Ion: 95 Resp: 3117701
Ion Ratio Lower Upper
95 100
174 75.2 59.6 89.4
175 5.7 4.6 7.0

