

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037233.D
 Acq On : 23 Jun 2021 1:47
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 23 04:11:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1473146	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4332129	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	3732993	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2657946	9.40	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

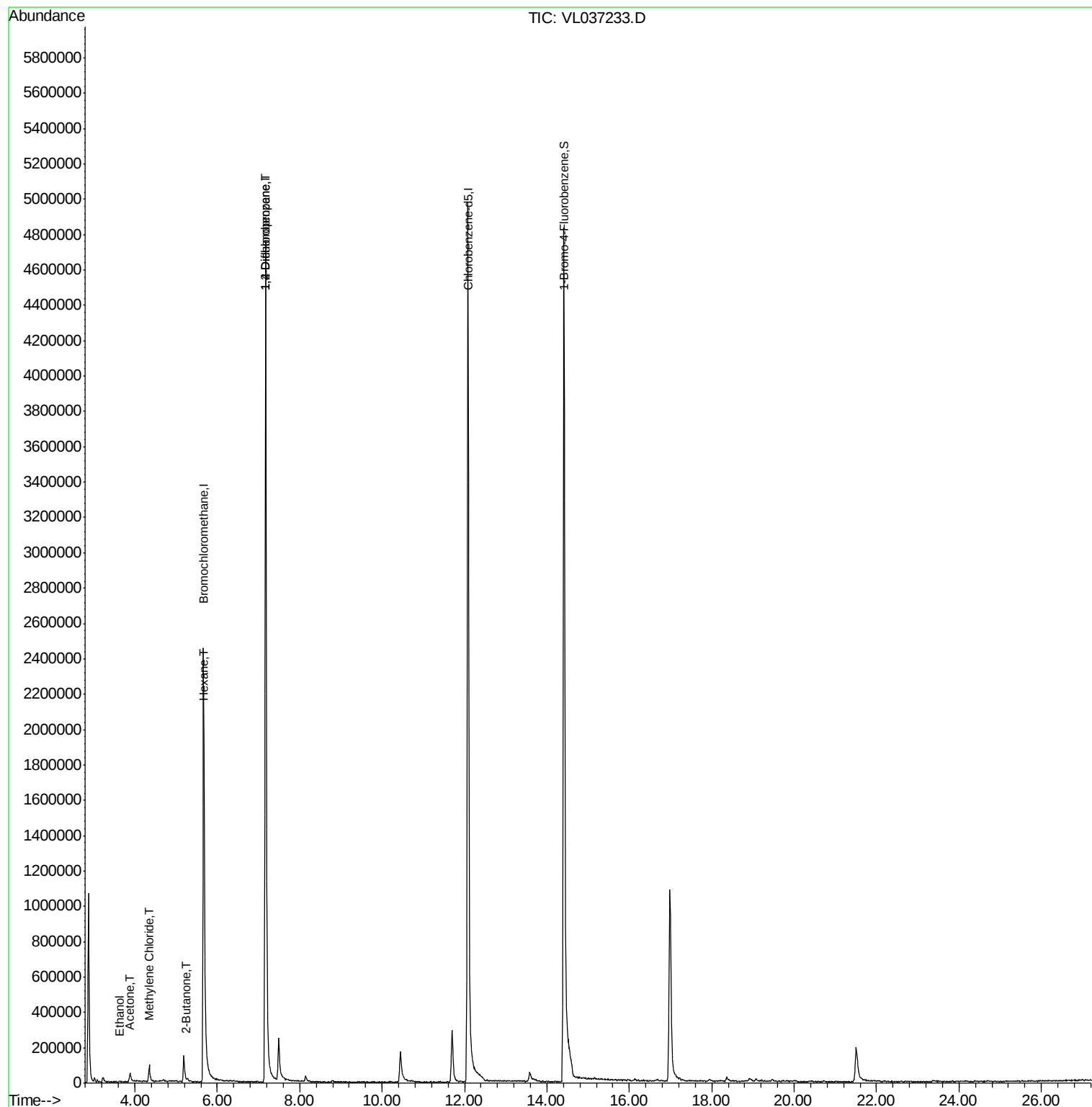
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	1811	0.128	ppbv	100
15) Acetone	3.87	43	33594	0.202	ppbv #	45
20) Methylene Chloride	4.34	84	37665	0.379	ppbv #	88
26) Hexane	5.69	57	18019	0.099	ppbv #	41
34) 2-Butanone	5.25	43	3651	0.022	ppbv #	52
39) 1,2-Dichloropropane	7.17	63	1062043	8.159	ppbv #	23

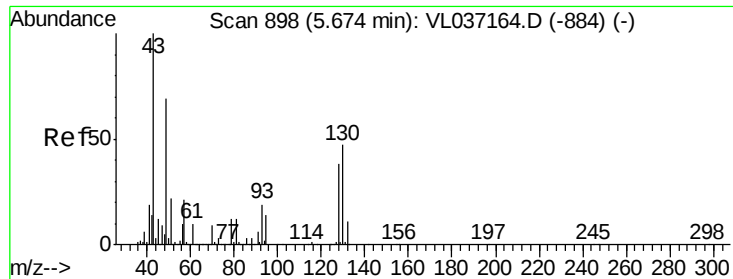
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062221\
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QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037233.D

Acq: 23 Jun 2021 1:47

Instrument :

MSVOA_L

ClientSampled :

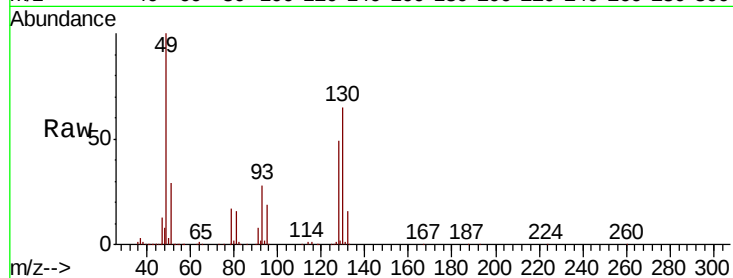
Tot Ion: 49 Resp: 1473146

Ion Ratio Lower Upper

49 100

128 56.7 29.3 88.0

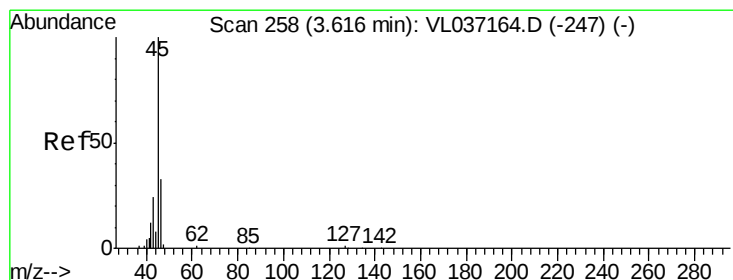
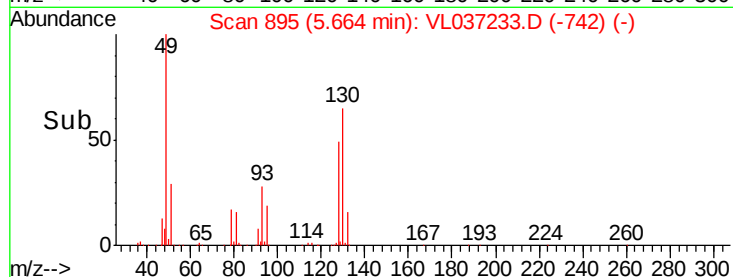
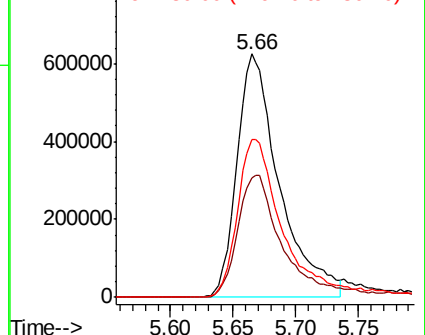
130 72.2 35.9 107.8



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: 0.128 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.01 min

Lab File: VL037233.D

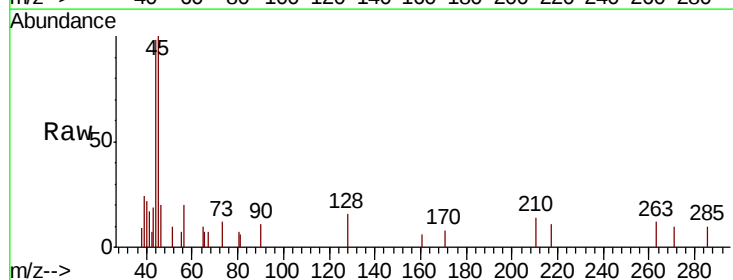
Acq: 23 Jun 2021 1:47

Tgt Ion: 45 Resp: 1811

Ion Ratio Lower Upper

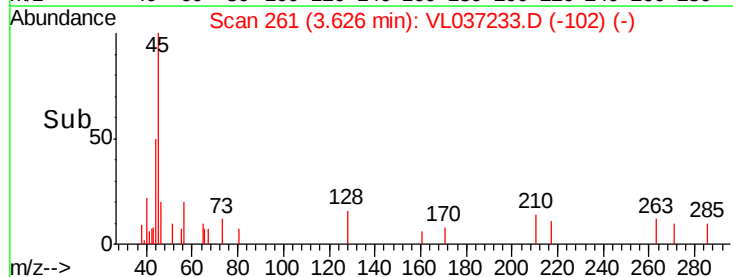
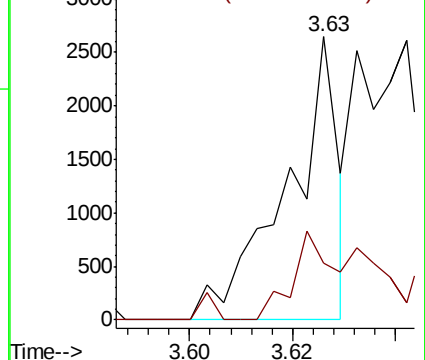
45 100

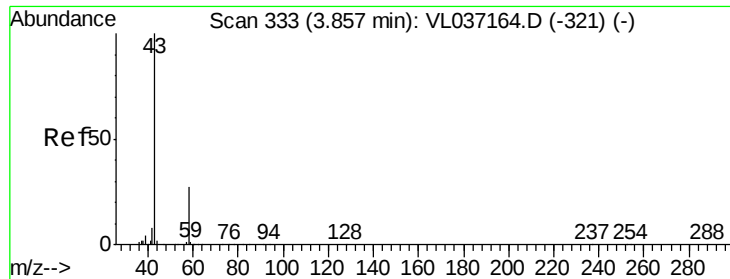
46 85.3 34.2 137.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

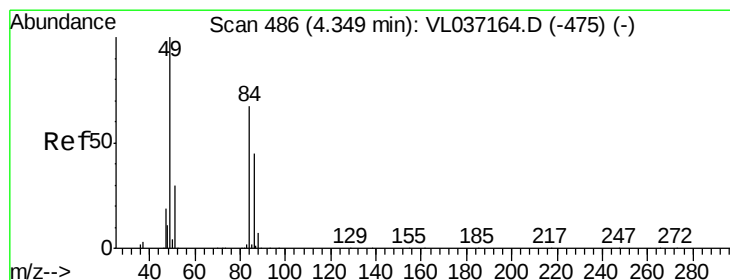
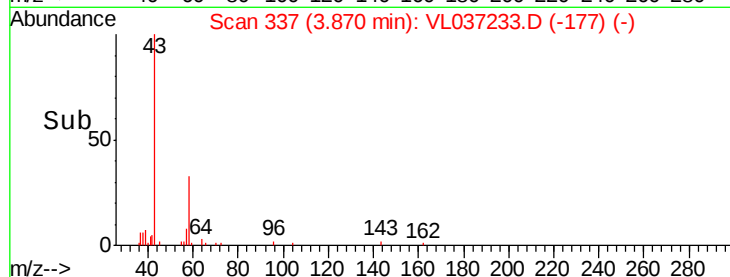
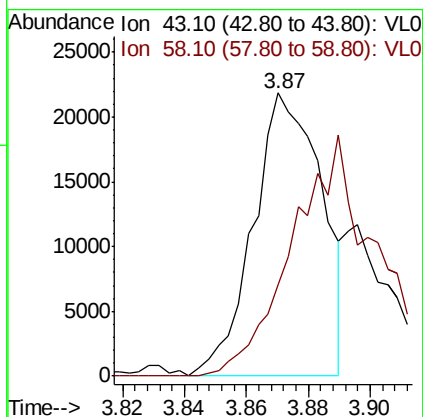
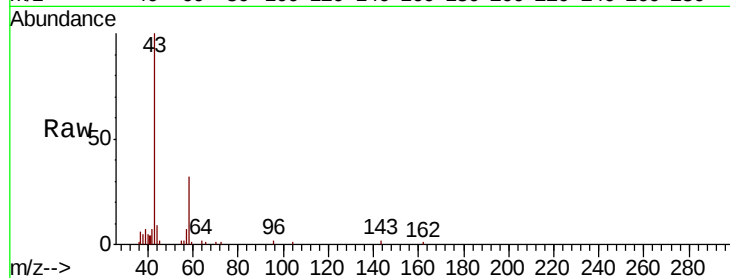




#15
Acetone
Concen: 0.202 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL037233.D
Acq: 23 Jun 2021 1:47

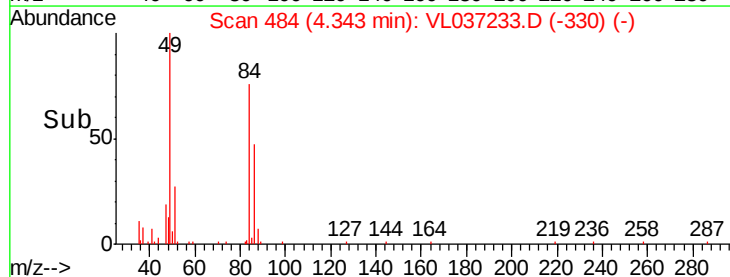
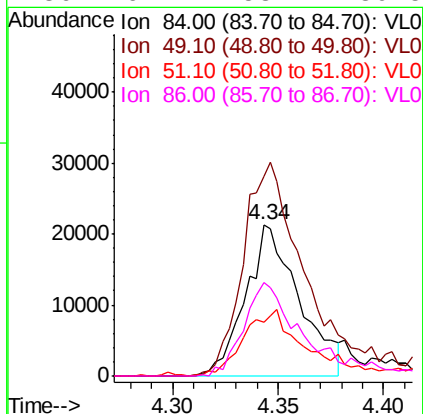
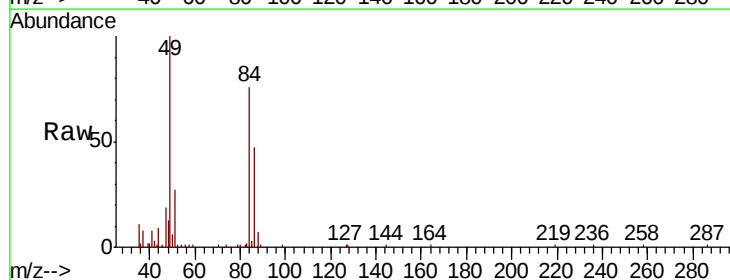
Instrument :
MSVOA_L
ClientSampleId :

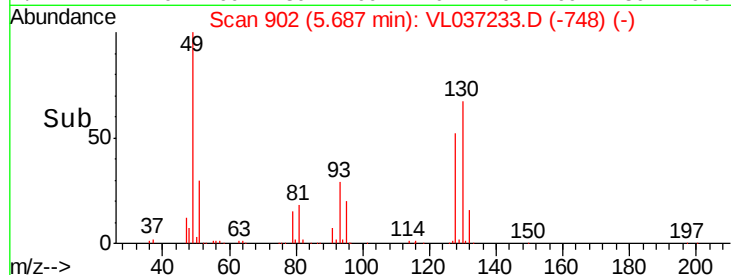
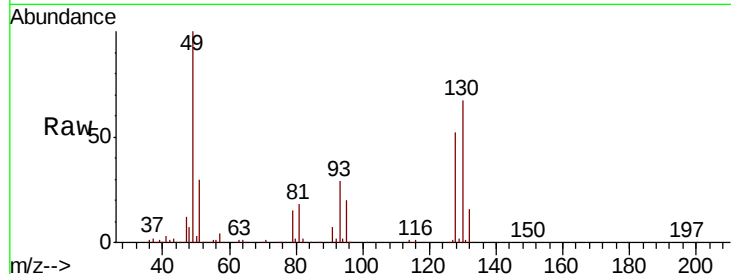
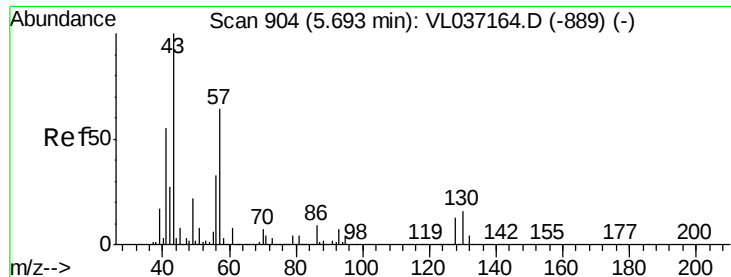
Tot Ion: 43 Resp: 33594
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#20
Methylene Chloride
Concen: 0.379 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL037233.D
Acq: 23 Jun 2021 1:47

Tgt Ion: 84 Resp: 37665
Ion Ratio Lower Upper
84 100
49 131.9 119.7 179.5
51 35.8 36.1 54.1#
86 62.2 53.7 80.5

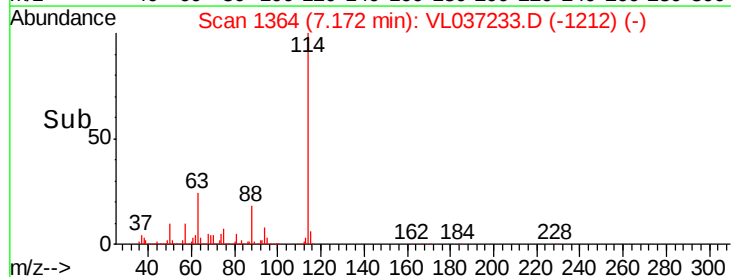
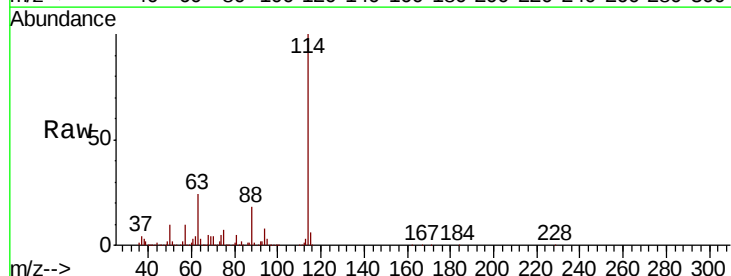
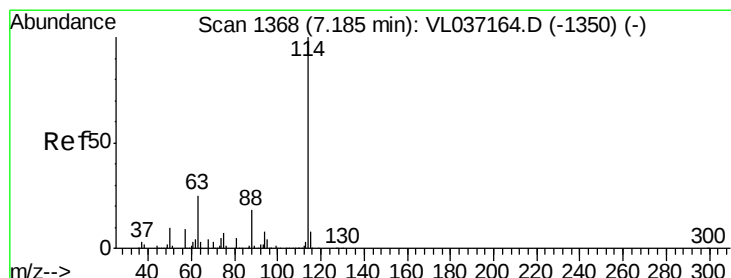
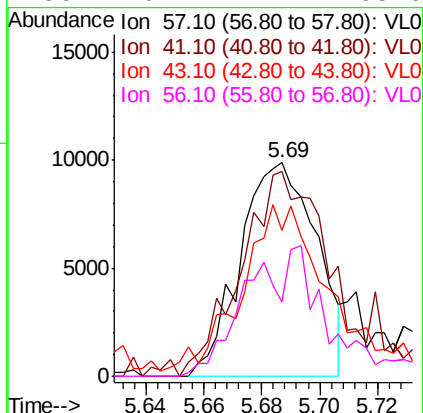




#26
Hexane
Concen: 0.099 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037233.D
Acq: 23 Jun 2021 1:47

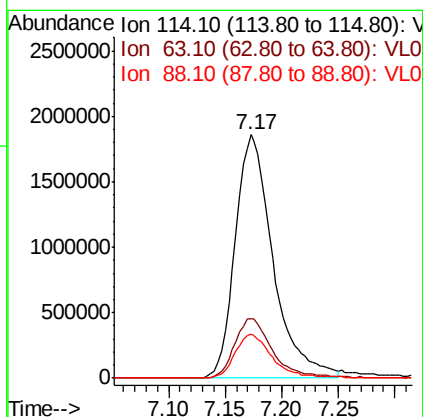
Instrument :
MSVOA_L
ClientSampleId :

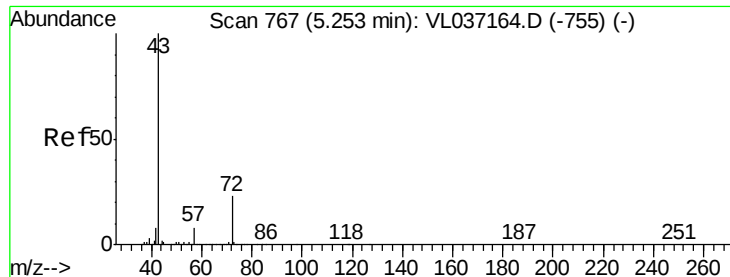
Tot Ion: 57 Resp: 18019
Ion Ratio Lower Upper
57 100
41 124.0 73.5 110.3#
43 90.7 170.7 256.1#
56 70.1 42.4 63.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL037233.D
Acq: 23 Jun 2021 1:47

Tgt Ion: 114 Resp: 4332129
Ion Ratio Lower Upper
114 100
63 25.1 19.6 29.4
88 18.3 14.2 21.2

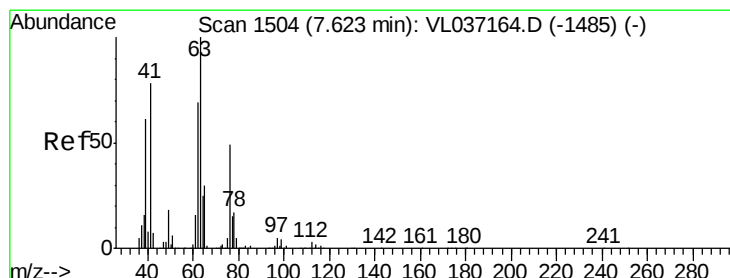
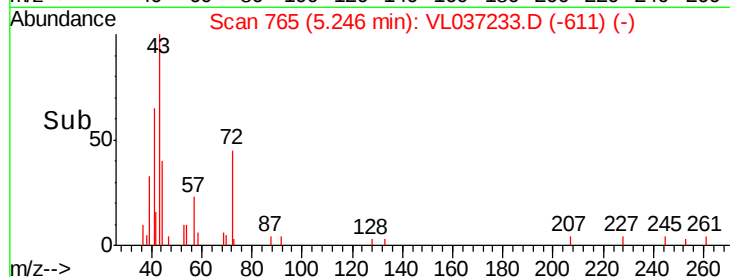
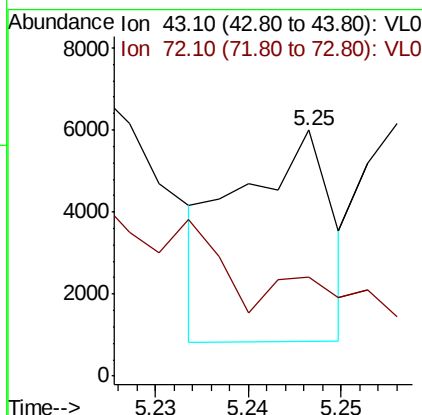
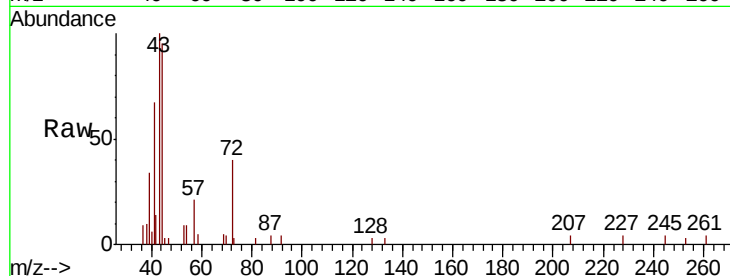




#34
 2-Butanone
 Concen: 0.022 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL037233.D
 Acq: 23 Jun 2021 1:47

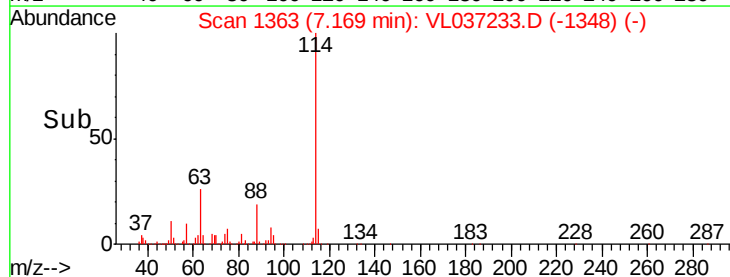
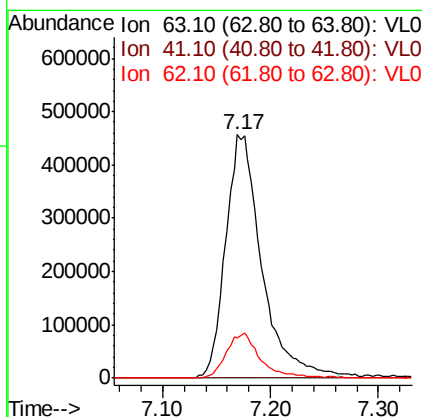
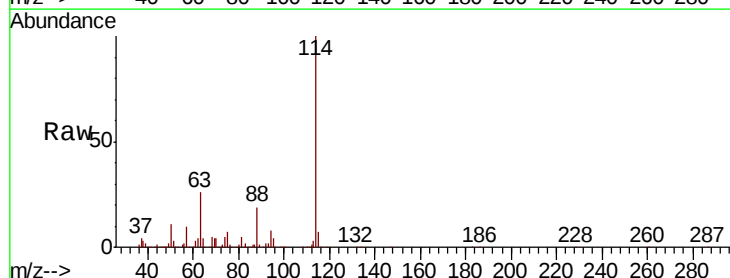
Instrument :
 MSVOA_L
 ClientSampled :

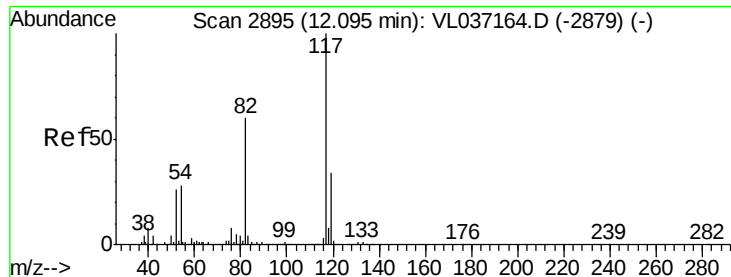
Tot Ion: 43 Resp: 3651
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.9 28.3#



#39
 1,2-Dichloropropane
 Concen: 8.159 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.45 min
 Lab File: VL037233.D
 Acq: 23 Jun 2021 1:47

Tgt Ion: 63 Resp: 1062043
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 16.6 54.9 82.3#

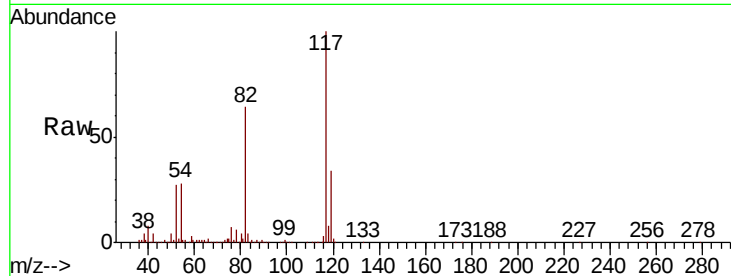




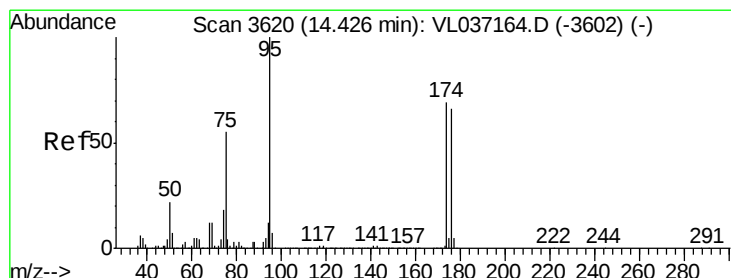
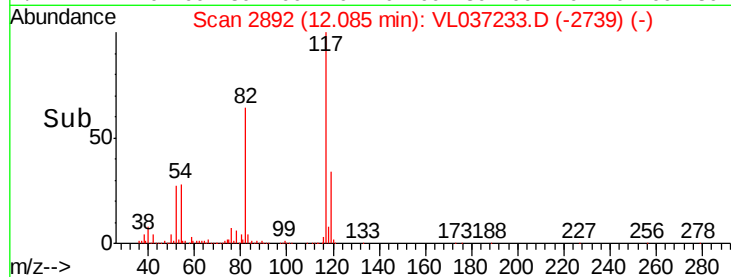
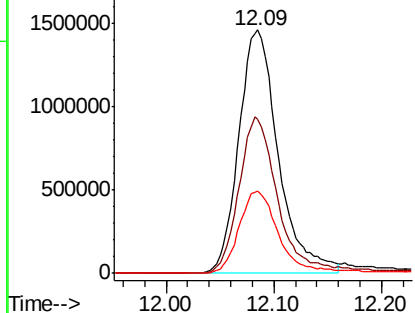
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037233.D
Acq: 23 Jun 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3732993
Ion Ratio Lower Upper
117 100
82 65.6 51.7 77.5
119 35.1 47.6 71.4#

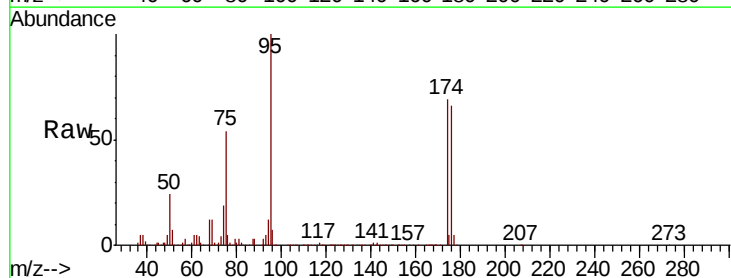


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.396 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL037233.D
Acq: 23 Jun 2021 1:47

Tgt Ion: 95 Resp: 2657946
Ion Ratio Lower Upper
95 100
174 79.1 57.0 85.4
175 5.3 4.4 6.6



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

