

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037172.D
 Acq On : 16 Jun 2021 16:01
 Operator : SY/AP
 Sample : VL0616ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:48:04 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	5.67	49	1451813	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4310115	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3761208	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2869578	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

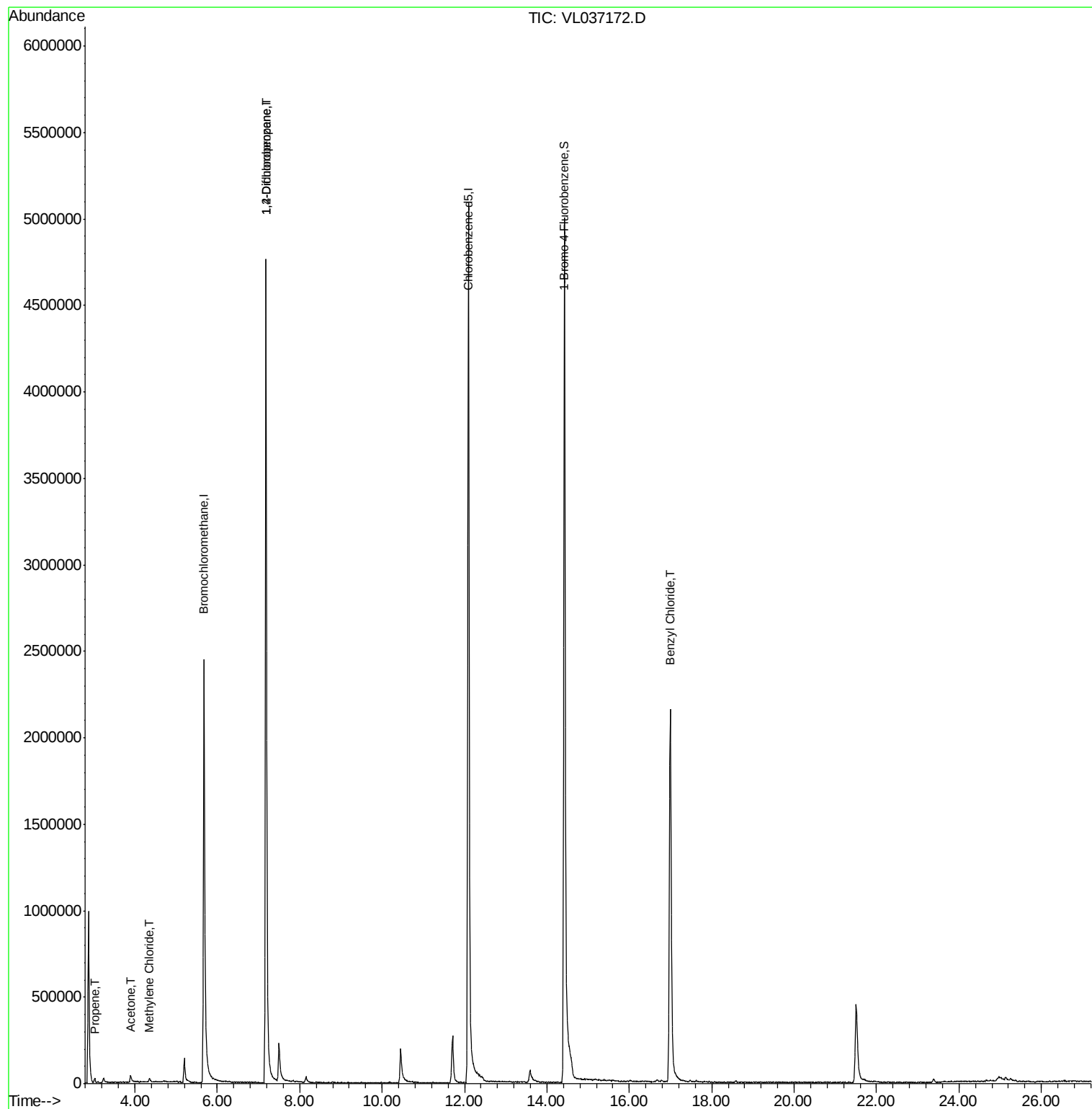
Target Compounds					Ovalue
9) Propene	3.01	41	3220	0.036 ppbv #	16
15) Acetone	3.88	43	23650	0.144 ppbv #	45
20) Methylene Chloride	4.35	84	5718	0.058 ppbv #	66
39) 1,2-Dichloropropane	7.18	63	1044459	8.065 ppbv #	23
66) Benzyl Chloride	16.99	91	679	0.030 ppbv #	1

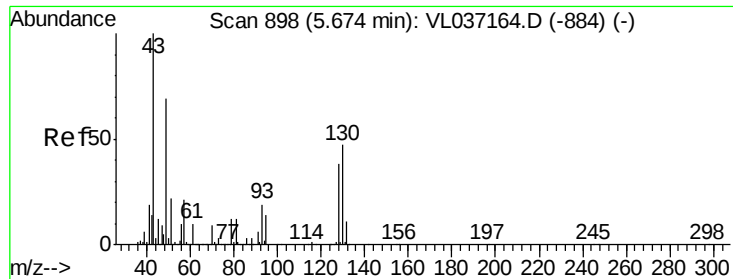
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037172.D

Acq: 16 Jun 2021 16:01

Instrument :
MSVOA_L
ClientSampleId :

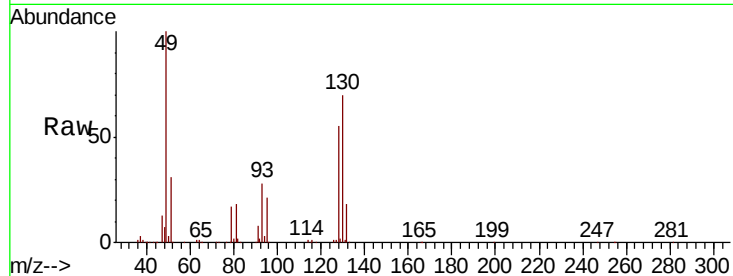
Tot Ion: 49 Resp: 1451813

Ion Ratio Lower Upper

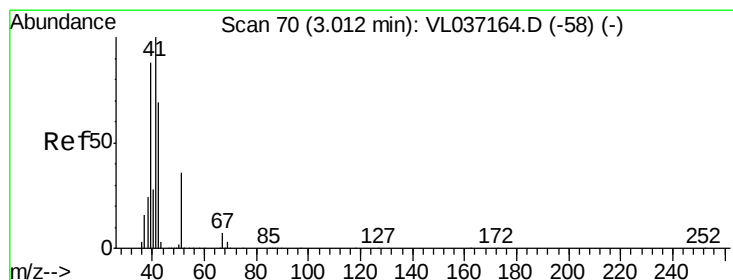
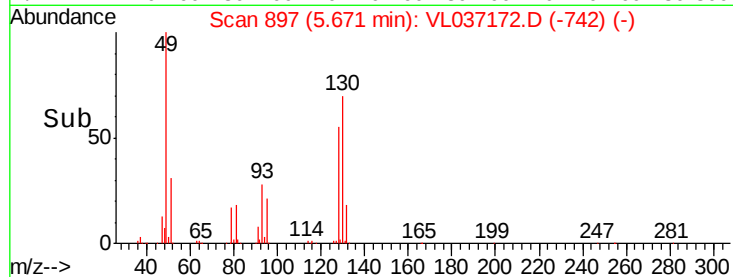
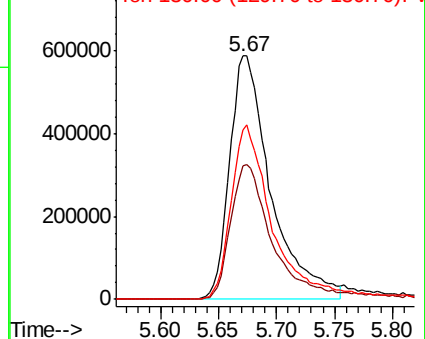
49 100

128 57.8 29.3 88.0

130 73.5 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



#9

Propene

Concen: 0.036 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037172.D

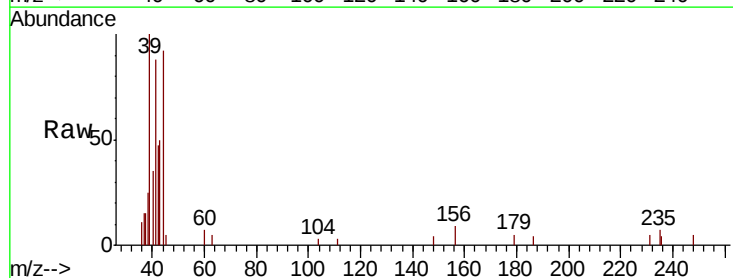
Acq: 16 Jun 2021 16:01

Tgt Ion: 41 Resp: 3220

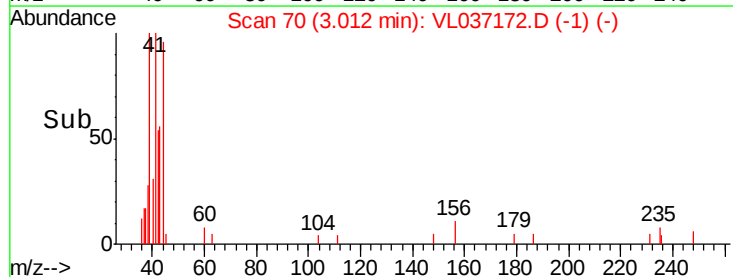
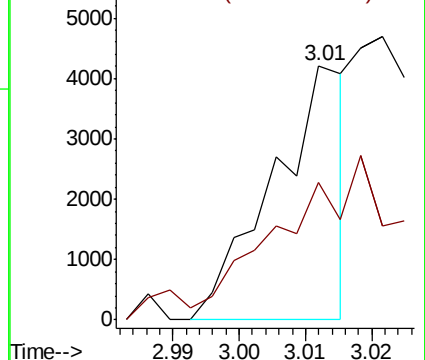
Ion Ratio Lower Upper

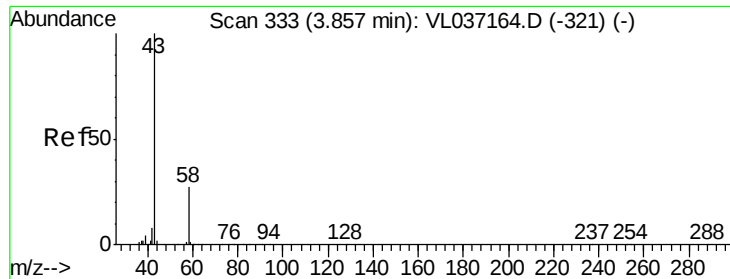
41 100

42 0.0 54.5 81.7#



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





#15

Acetone

Concen: 0.144 ppbv

RT: 3.88 min Scan# 341

Delta R.T. 0.03 min

Lab File: VL037172.D

Acq: 16 Jun 2021 16:01

Instrument :

MSVOA_L

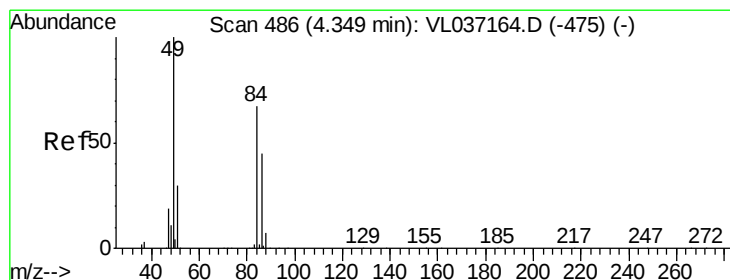
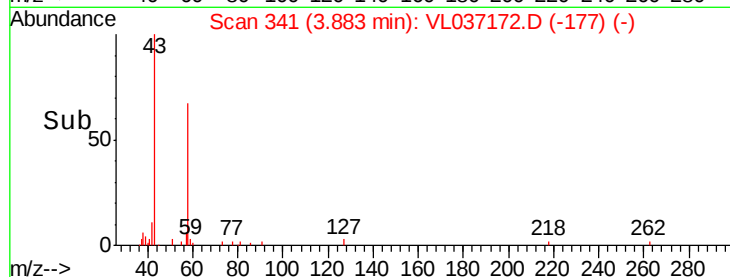
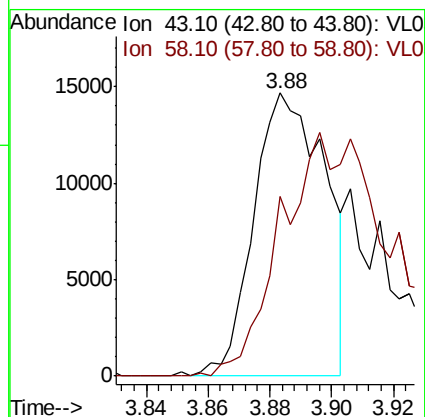
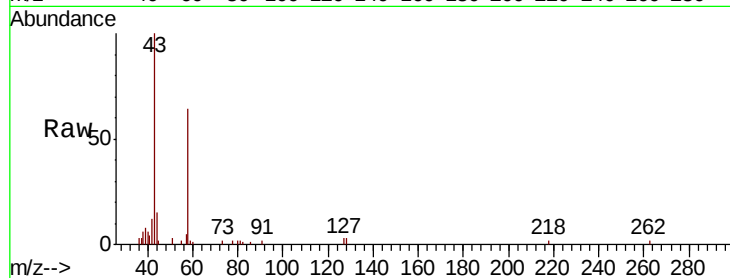
ClientSampleId :

Tot Ion: 43 Resp: 23650

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#20

Methylene Chloride

Concen: 0.058 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL037172.D

Acq: 16 Jun 2021 16:01

Tgt Ion: 84 Resp: 5718

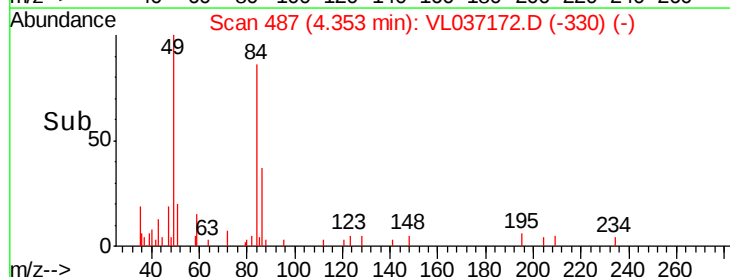
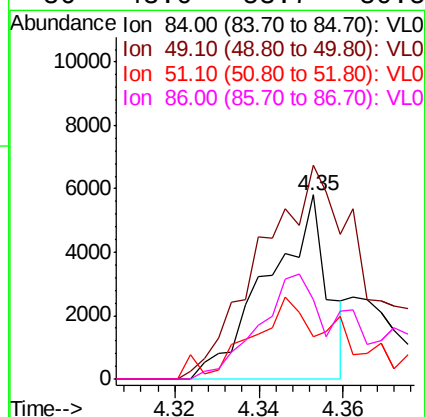
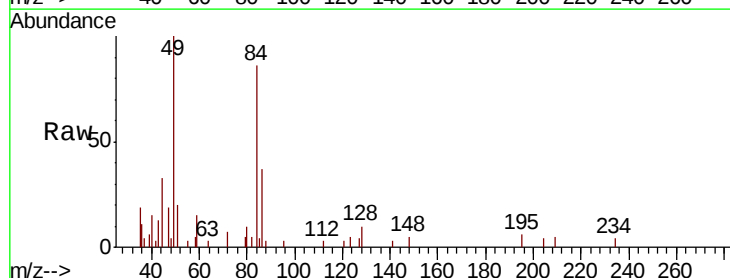
Ion Ratio Lower Upper

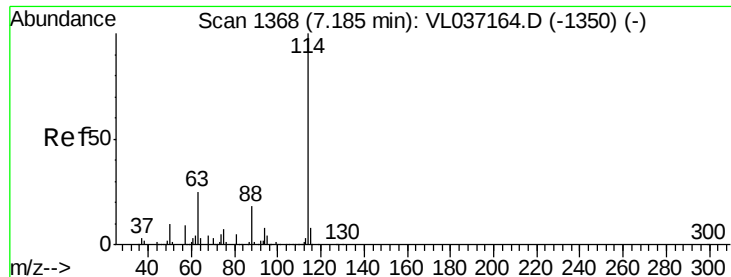
84 100

49 111.6 119.7 179.5#

51 9.8 36.1 54.1#

86 43.0 53.7 80.5#

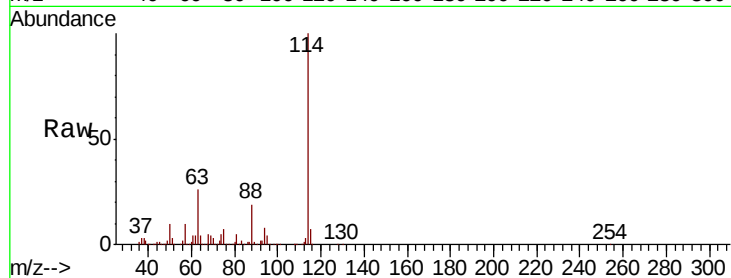




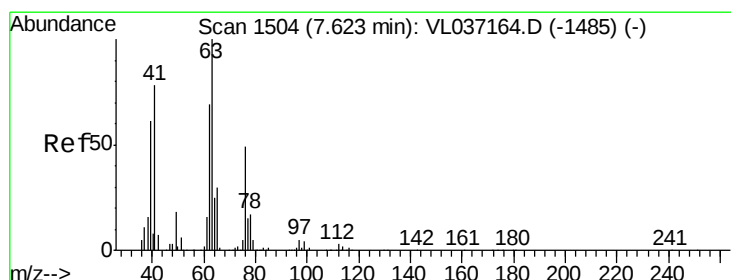
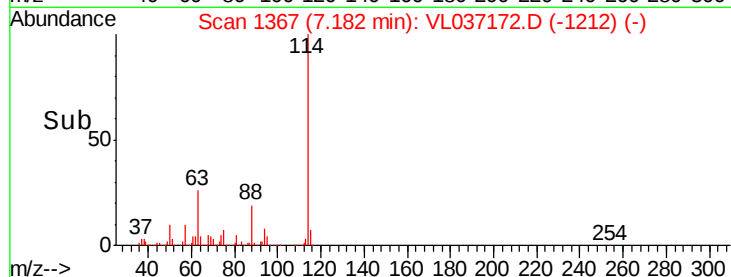
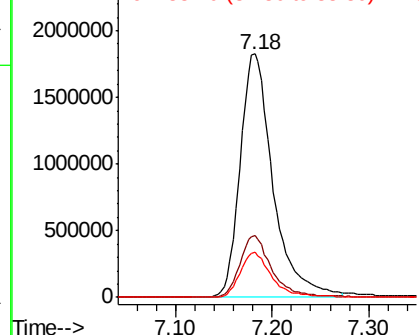
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL037172.D
 Acq: 16 Jun 2021 16:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4310115
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.6 29.4
 88 18.1 14.2 21.2

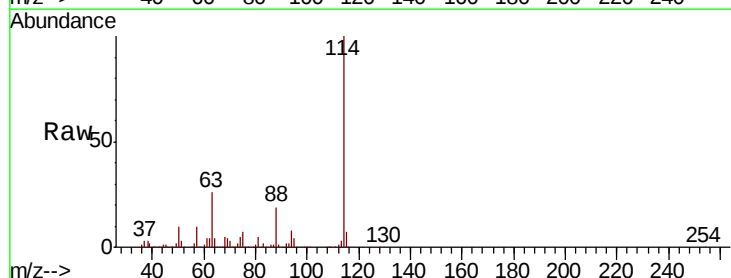


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

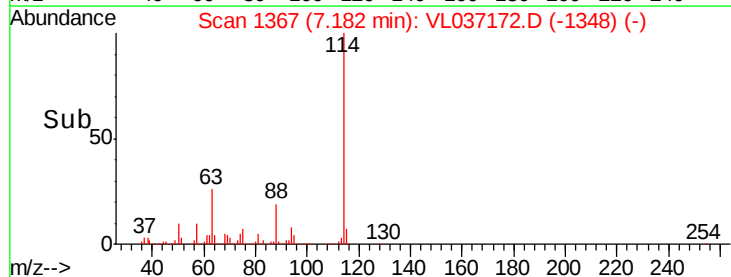
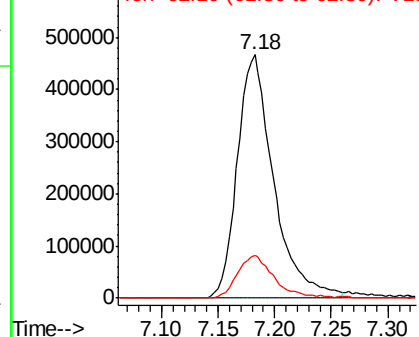


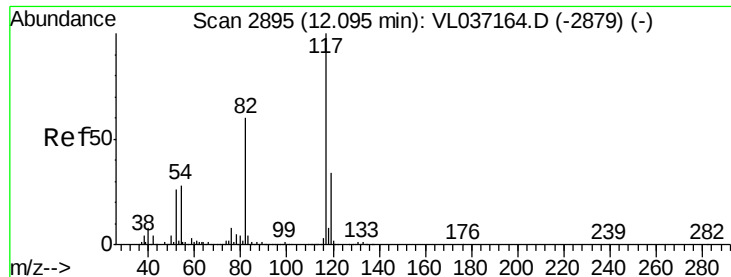
#39
 1,2-Dichloropropane
 Concen: 8.065 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.44 min
 Lab File: VL037172.D
 Acq: 16 Jun 2021 16:01

Tgt Ion: 63 Resp: 1044459
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.0 93.0#
 62 17.3 54.9 82.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL037172.D

Acq: 16 Jun 2021 16:01

Instrument :

MSVOA_L

ClientSampleId :

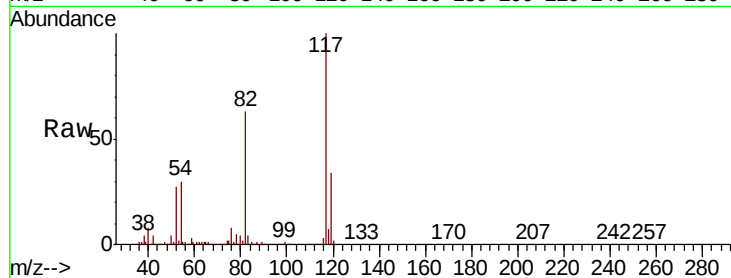
Tot Ion:117 Resp: 3761208

Ion Ratio Lower Upper

117 100

82 65.4 51.7 77.5

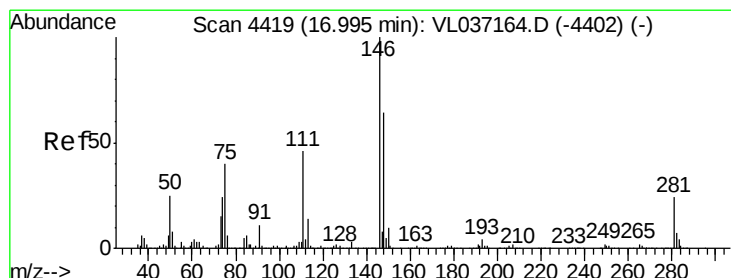
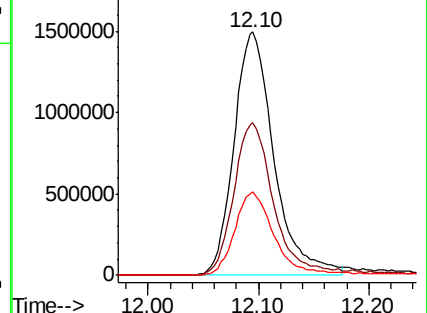
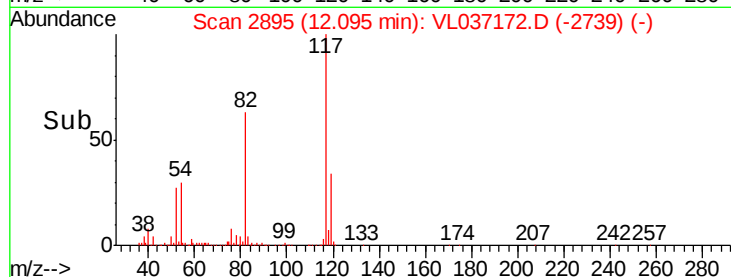
119 35.0 47.6 71.4#



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



#66

Benzyl Chloride

Concen: 0.030 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.00 min

Lab File: VL037172.D

Acq: 16 Jun 2021 16:01

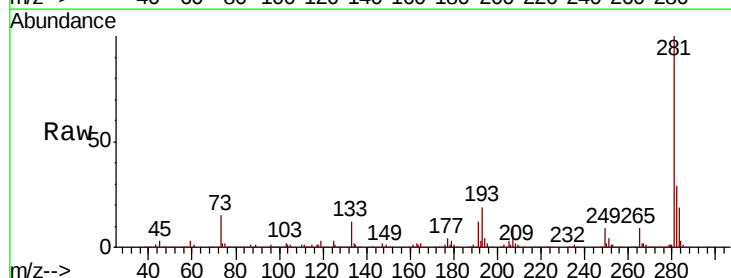
Tgt Ion: 91 Resp: 679

Ion Ratio Lower Upper

91 100

126 590.7 15.5 23.3#

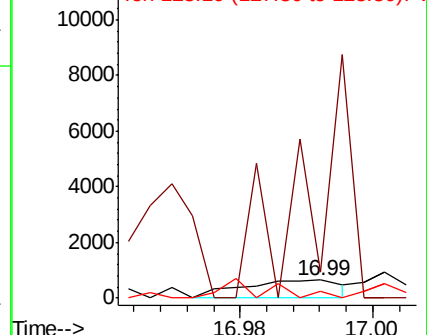
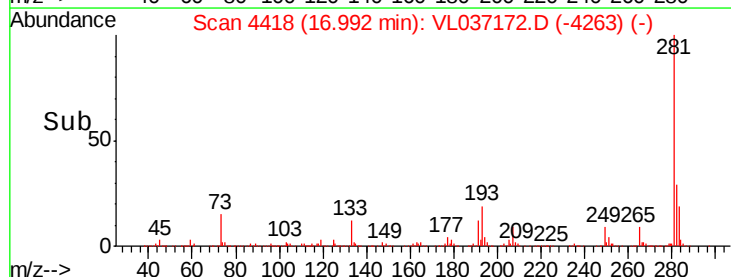
128 0.0 5.7 8.5#

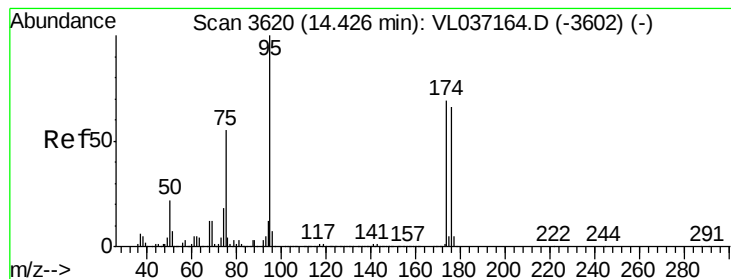


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.068 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL037172.D

Acq: 16 Jun 2021 16:01

Instrument :

MSVOA_L

ClientSampleId :

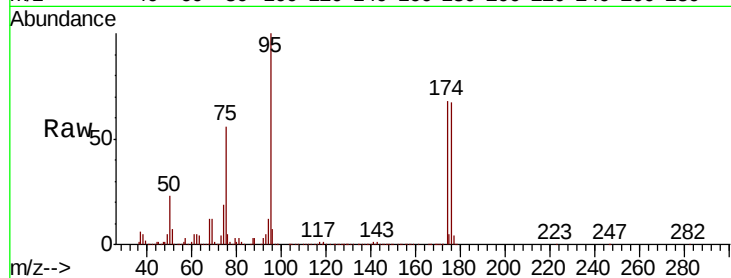
Tot Ion: 95 Resp: 2869578

Ion Ratio Lower Upper

95 100

174 73.6 57.0 85.4

175 5.6 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

