

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036117.D
 Acq On : 9 Dec 2020 5:28
 Operator : SY/AP
 Sample : L4948-12DL 40
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1BDL

Quant Time: Dec 09 07:24:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1161084	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	2362000	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2138094	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1812240	10.67	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

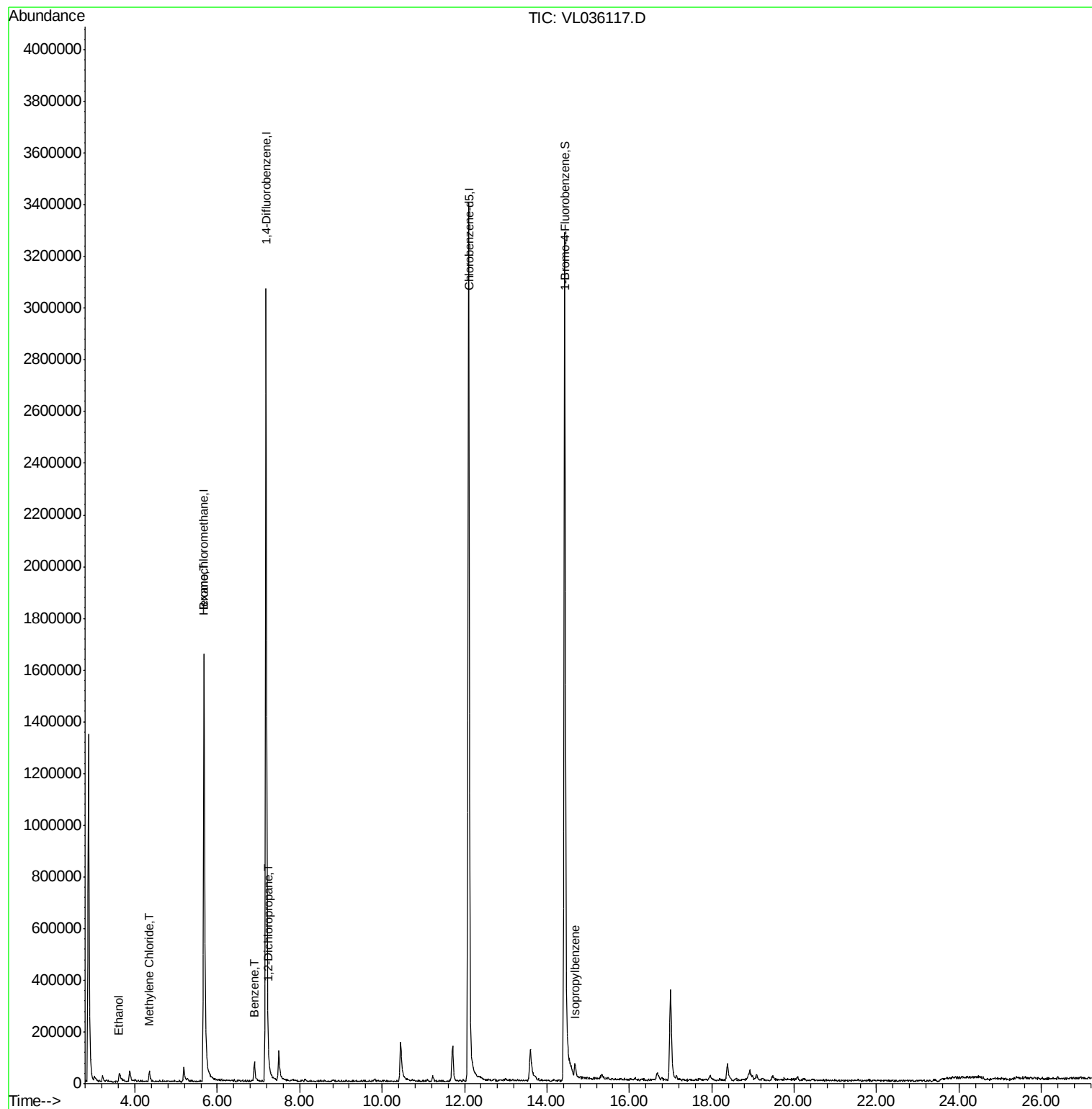
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	461	0.050	ppbv #	29
20) Methylene Chloride	4.35	84	6457	0.113	ppbv	85
26) Hexane	5.69	57	4204	0.034	ppbv #	35
36) Benzene	6.90	78	62354	0.311	ppbv	95
39) 1,2-Dichloropropane	7.24	63	9429	0.119	ppbv #	18
62) Isopropylbenzene	14.68	105	22599	0.066	ppbv #	57

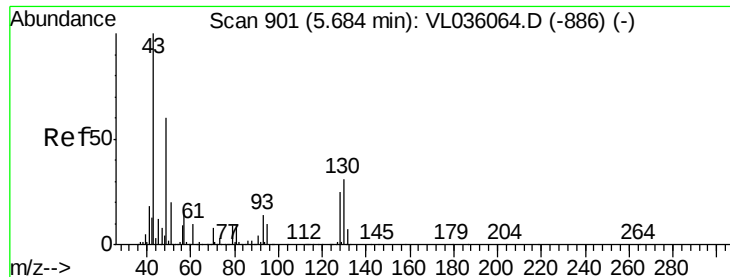
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL036117.D

Acq: 9 Dec 2020 5:28

Instrument :

MSVOA_L

ClientSampleId :

SS-1BDL

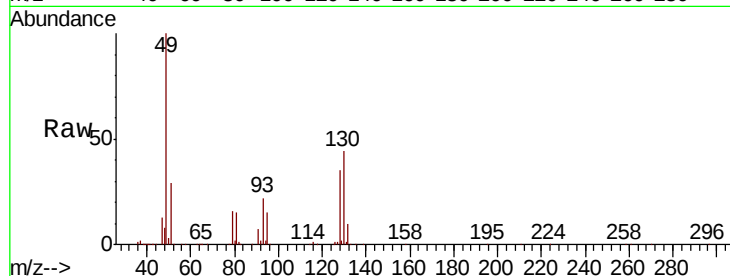
Tot Ion: 49 Resp: 1161084

Ion Ratio Lower Upper

49 100

128 35.8 21.1 63.1

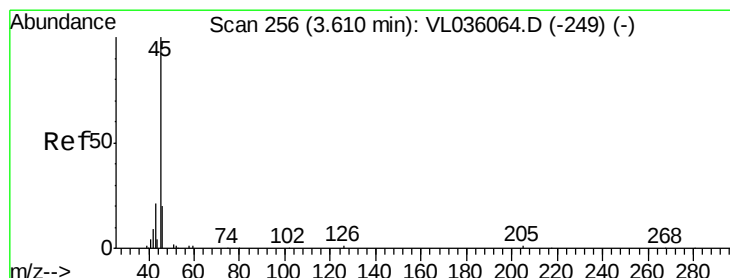
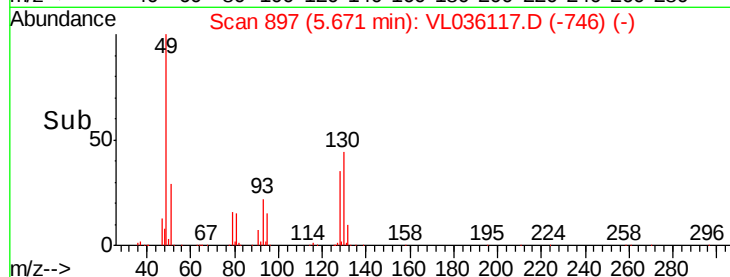
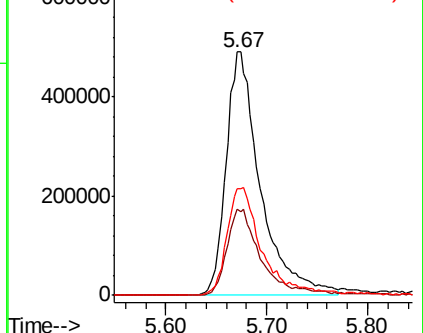
130 46.3 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 0.050 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL036117.D

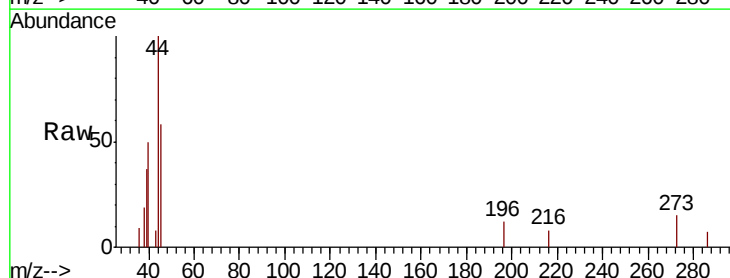
Acq: 9 Dec 2020 5:28

Tgt Ion: 45 Resp: 461

Ion Ratio Lower Upper

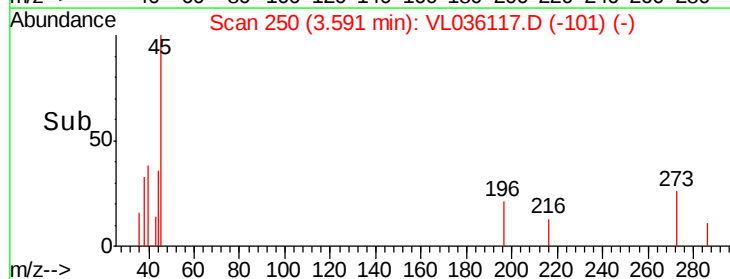
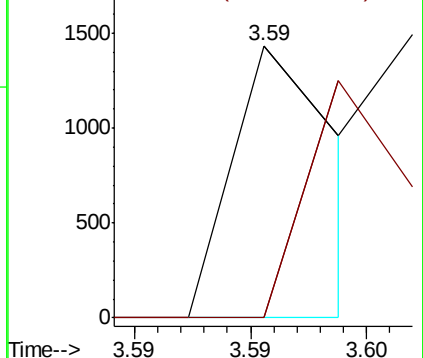
45 100

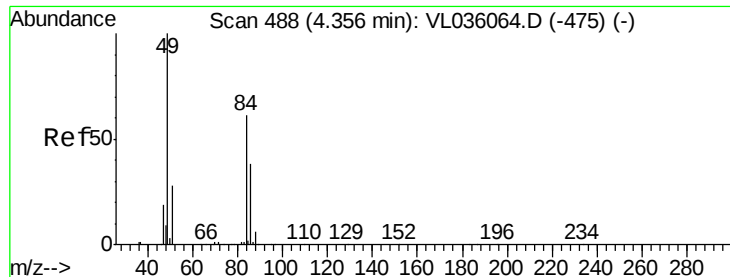
46 0.0 19.0 75.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

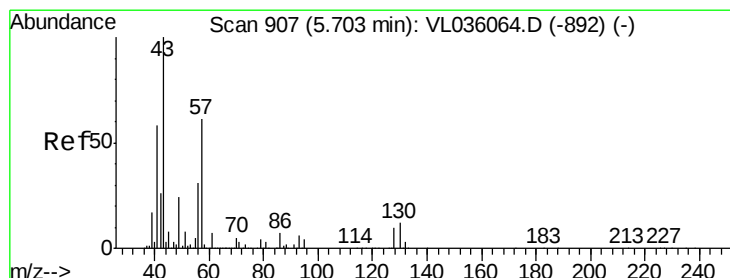
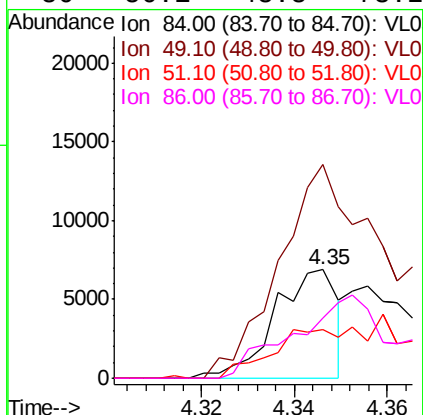
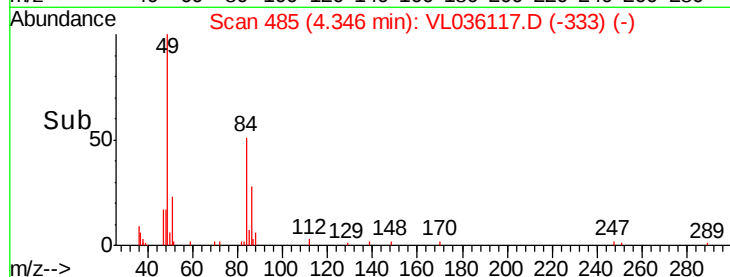
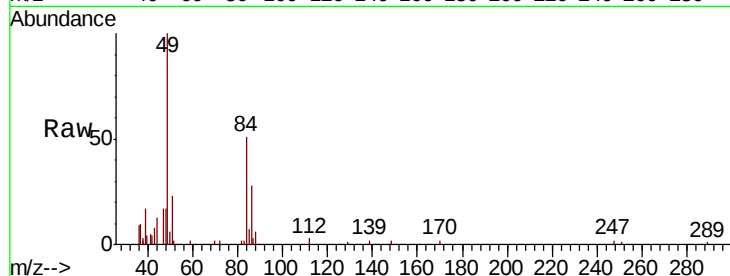




#20
Methvlene Chloride
Concen: 0.113 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL036117.D
Acq: 9 Dec 2020 5:28

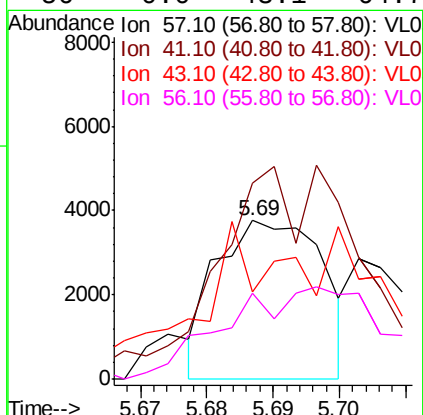
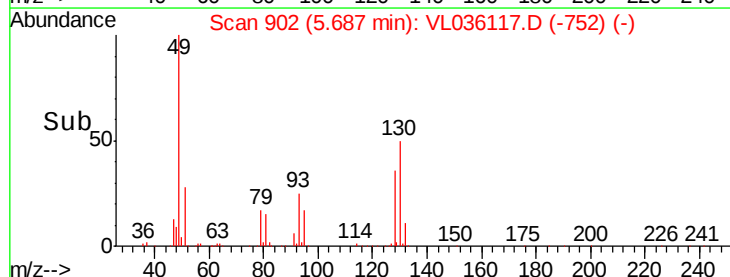
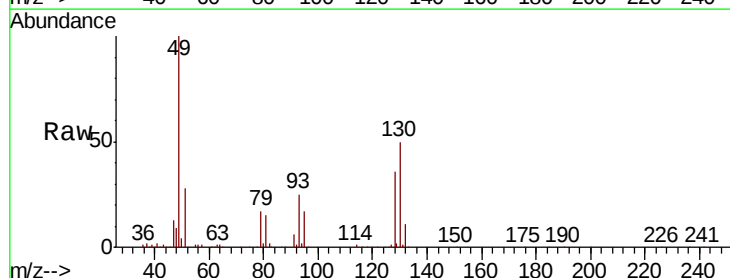
Instrument :
MSVOA_L
ClientSampleId :
SS-1BDL

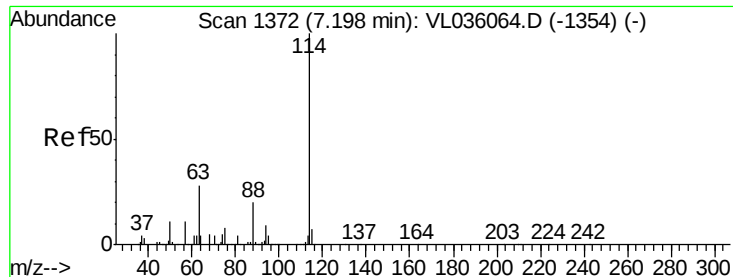
Tot Ion:	84	Resp:	6457
Ion	Ratio	Lower	Upper
84	100		
49	197.1	133.0	199.4
51	48.5	38.9	58.3
86	56.1	48.8	73.2



#26
Hexane
Concen: 0.034 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.02 min
Lab File: VL036117.D
Acq: 9 Dec 2020 5:28

Tgt Ion:	57	Resp:	4204
Ion	Ratio	Lower	Upper
57	100		
41	0.0	82.9	124.3#
43	168.1	199.9	299.9#
56	0.0	43.1	64.7#

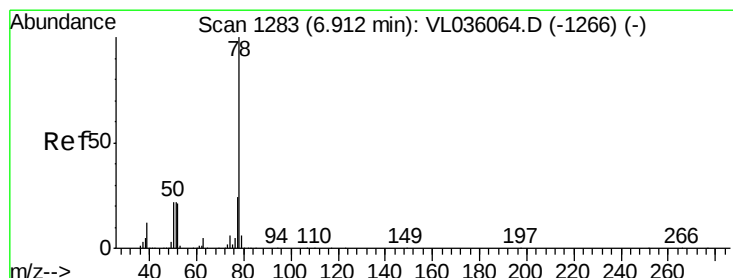
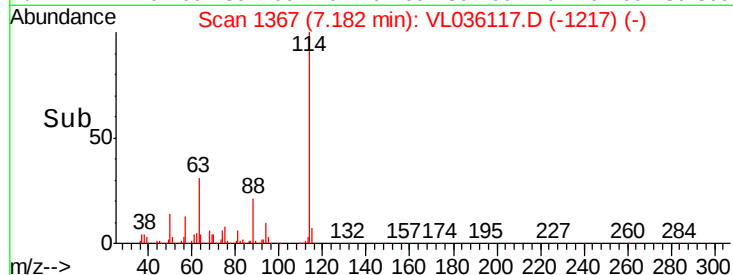
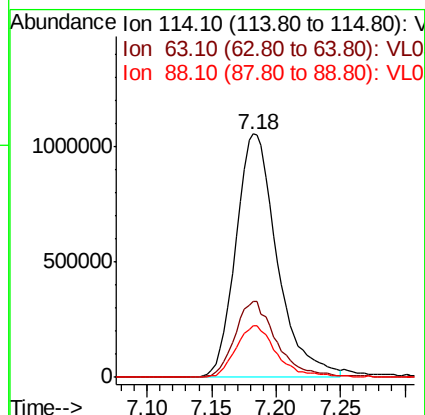
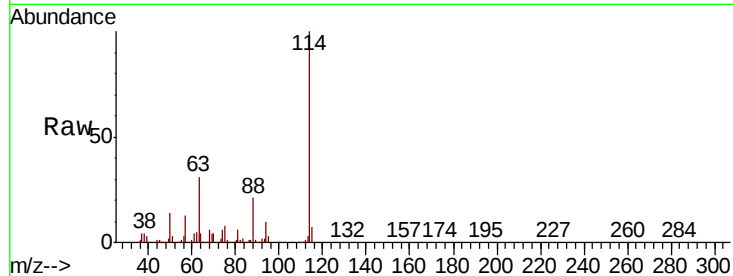




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.02 min
 Lab File: VL036117.D
 Acq: 9 Dec 2020 5:28

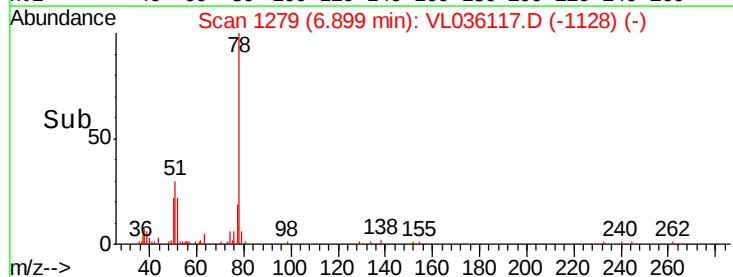
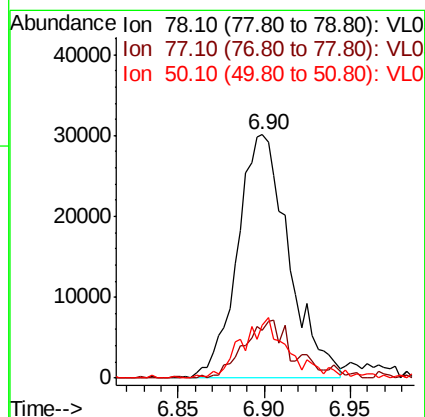
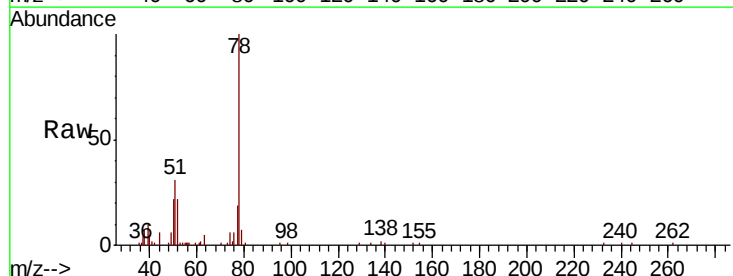
Instrument :
 MSVOA_L
 ClientSampled :
 SS-1BDL

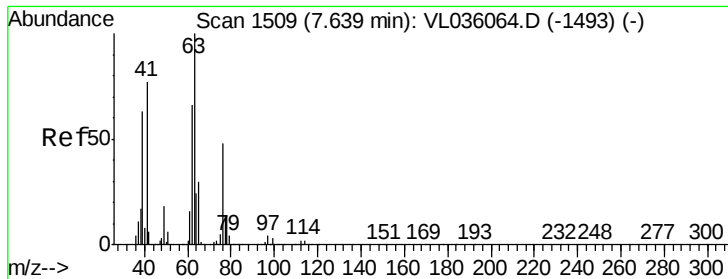
Tot Ion:114 Resp: 2362000
 Ion Ratio Lower Upper
 114 100
 63 32.1 23.6 35.4
 88 21.2 15.8 23.6



#36
 Benzene
 Concen: 0.311 ppbv
 RT: 6.90 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: VL036117.D
 Acq: 9 Dec 2020 5:28

Tgt Ion: 78 Resp: 62354
 Ion Ratio Lower Upper
 78 100
 77 19.5 19.4 29.2
 50 21.9 17.8 26.8





#39

1,2-Dichloropropane

Concen: 0.119 ppbv

RT: 7.24 min Scan# 1385

Delta R.T. -0.40 min

Lab File: VL036117.D

Acq: 9 Dec 2020 5:28

Instrument :

MSVOA_L

ClientSampleId :

SS-1BDL

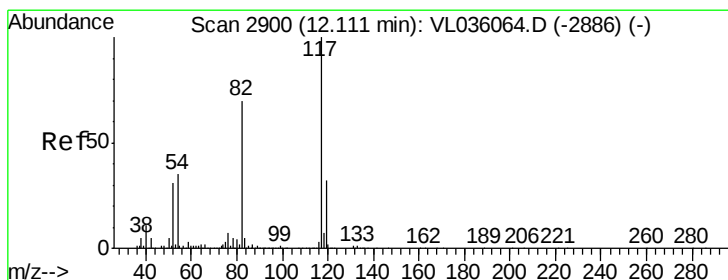
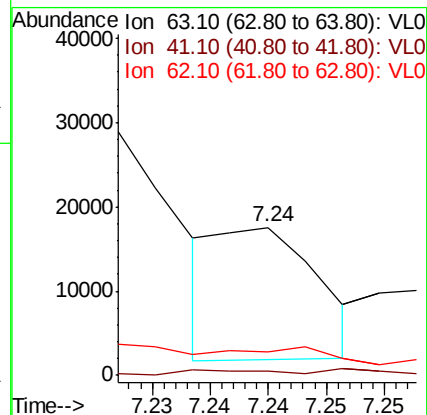
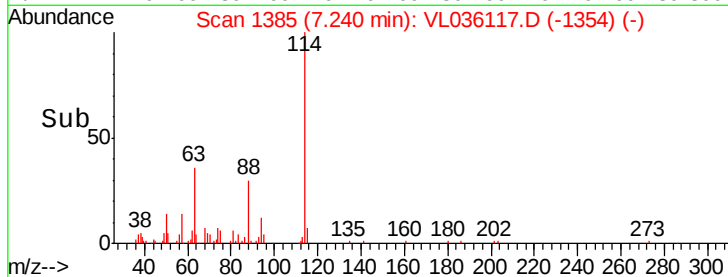
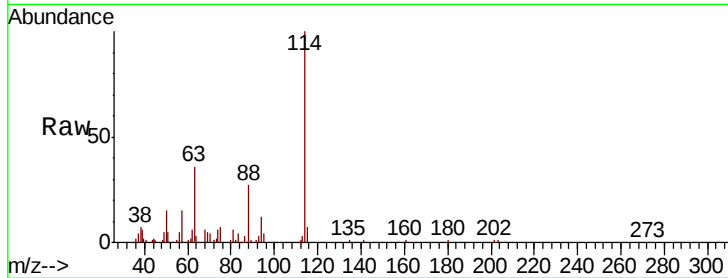
Tot Ion: 63 Resp: 9429

Ion Ratio Lower Upper

63 100

41 0.0 61.9 92.9#

62 6.8 52.5 78.7#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL036117.D

Acq: 9 Dec 2020 5:28

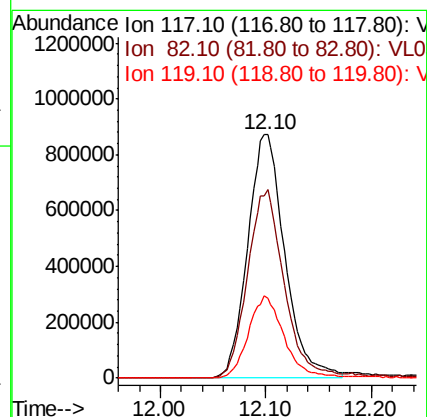
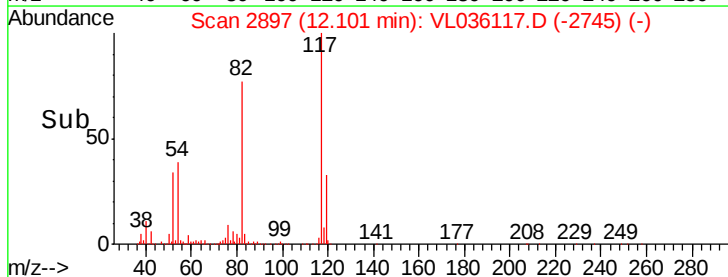
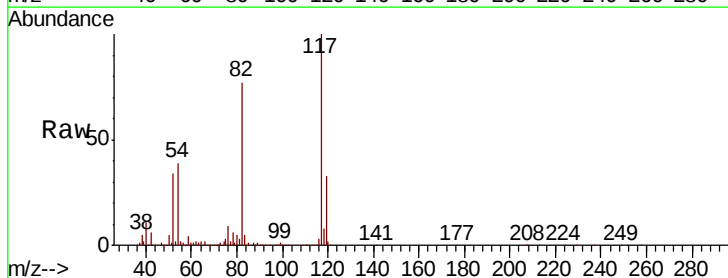
Tgt Ion: 117 Resp: 2138094

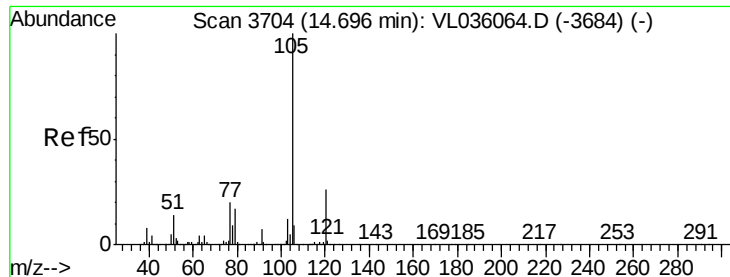
Ion Ratio Lower Upper

117 100

82 78.1 0.0 0.0#

119 33.1 0.0 0.0#





#62

Isopropylbenzene

Concen: 0.066 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. -0.01 min

Lab File: VL036117.D

Acq: 9 Dec 2020 5:28

Instrument :

MSVOA_L

ClientSampled :

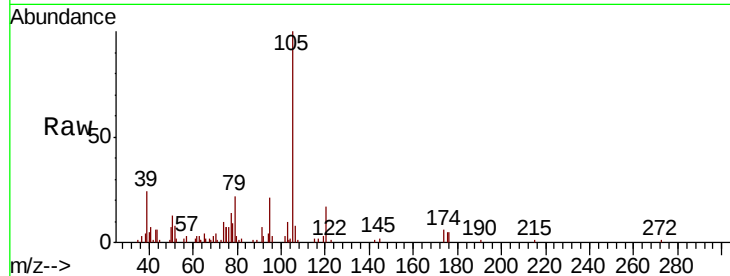
SS-1BDL

Tot Ion:105 Resp: 22599

Ion Ratio Lower Upper

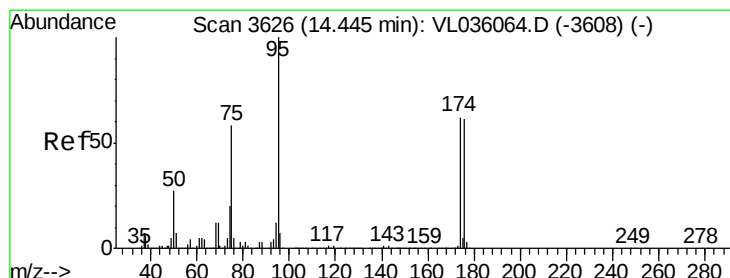
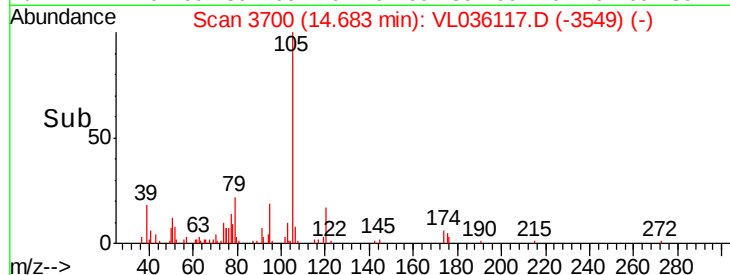
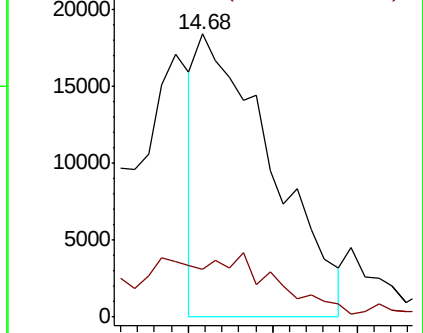
105 100

120 46.9 20.1 30.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.674 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.02 min

Lab File: VL036117.D

Acq: 9 Dec 2020 5:28

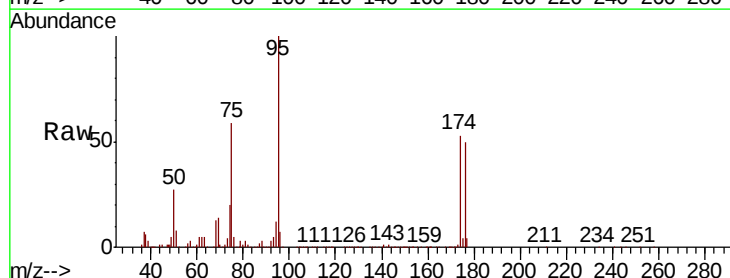
Tgt Ion: 95 Resp: 1812240

Ion Ratio Lower Upper

95 100

174 57.3 50.7 76.1

175 4.2 4.0 6.0



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

