

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035880.D
 Acq On : 6 Nov 2020 4:24
 Operator : SY/AP
 Sample : L4618-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-1DL

Quant Time: Nov 06 05:52:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1219591	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	4890651	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	4468277	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3157001	9.94	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

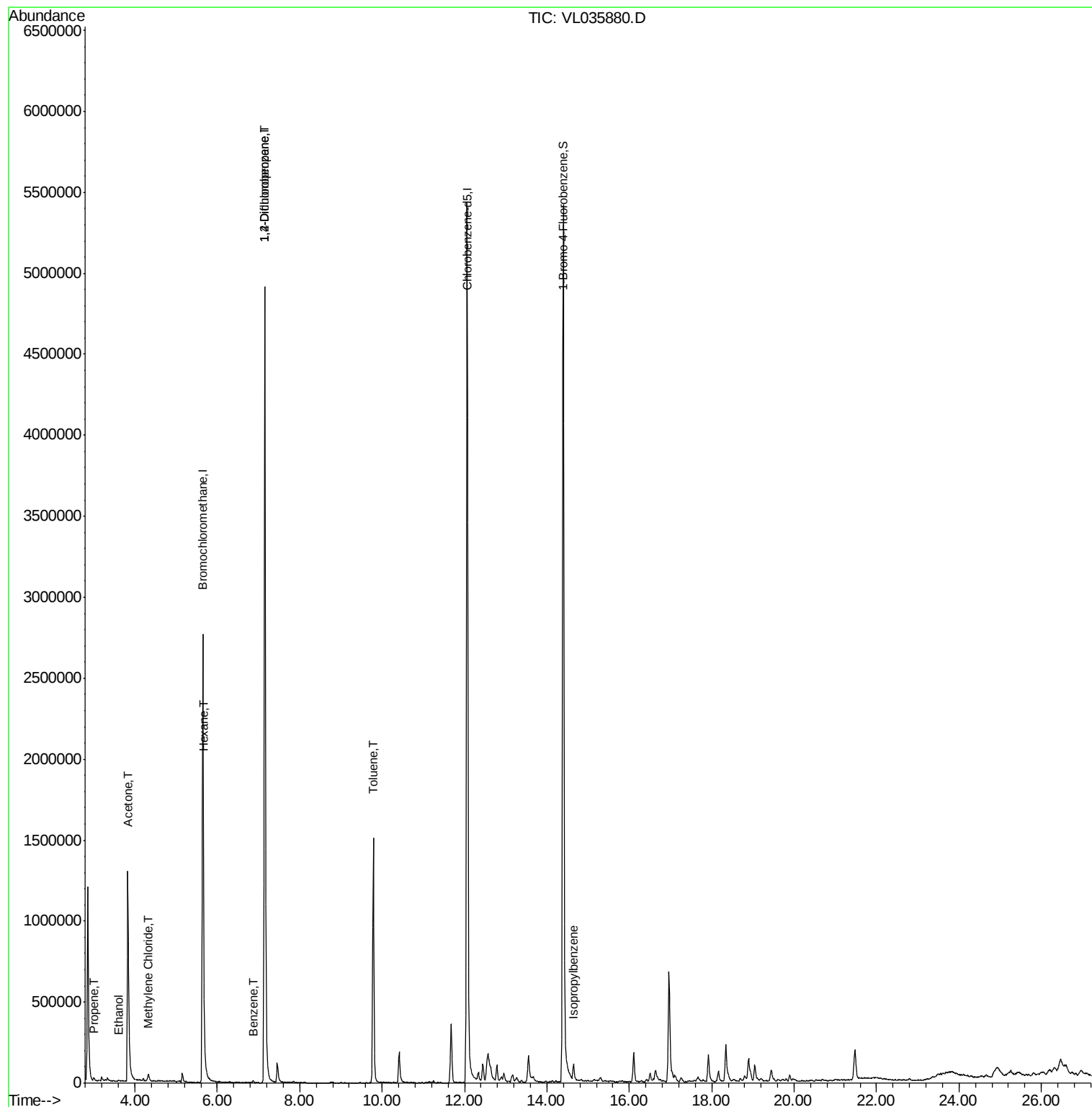
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	6835	0.128	ppbv #	49
13) Ethanol	3.59	45	1157	0.100	ppbv #	35
15) Acetone	3.83	43	1740696	13.350	ppbv	98
20) Methylene Chloride	4.33	84	23128	0.252	ppbv	90
26) Hexane	5.67	57	6027	0.043	ppbv #	37
36) Benzene	6.86	78	12852	0.035	ppbv #	93
39) 1,2-Dichloropropane	7.15	63	942409	7.699	ppbv #	30
53) Toluene	9.78	91	1435675	3.272	ppbv	99
62) Isopropylbenzene	14.64	105	51142	0.073	ppbv #	45

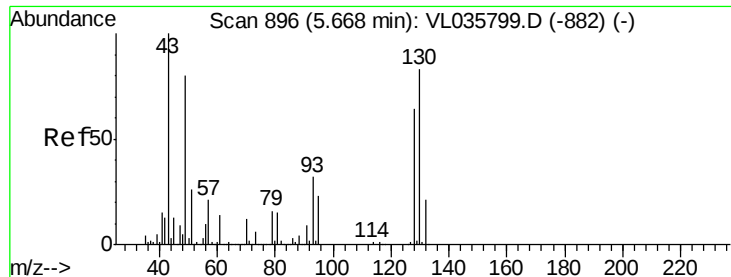
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL035880.D

Acq: 6 Nov 2020 4:24

Instrument :

MSVOA_L

ClientSampleId :

SSSG-1DL

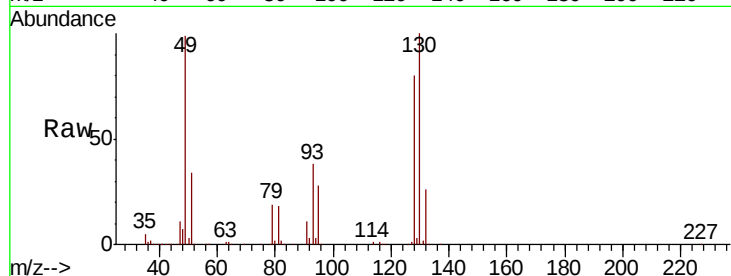
Tot Ion: 49 Resp: 1219591

Ion Ratio Lower Upper

49 100

128 81.3 41.5 124.6

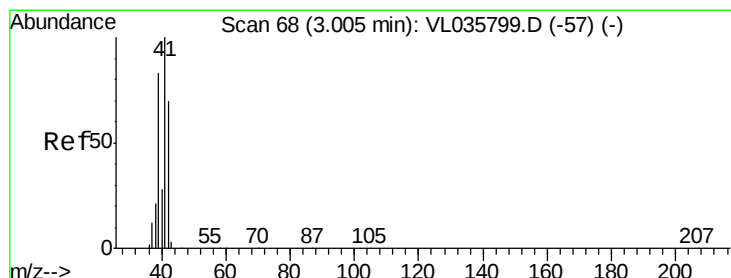
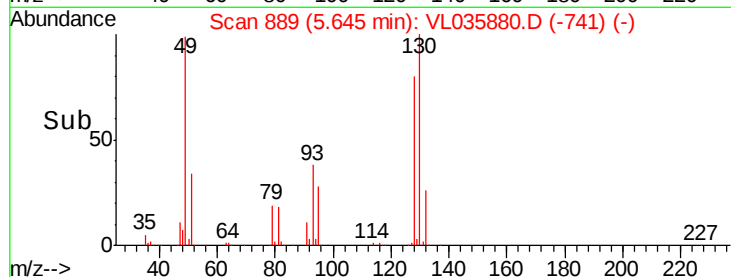
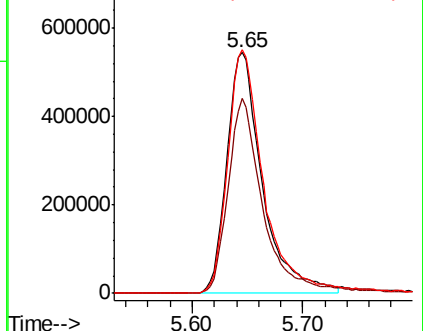
130 104.7 53.7 161.1



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: 0.128 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035880.D

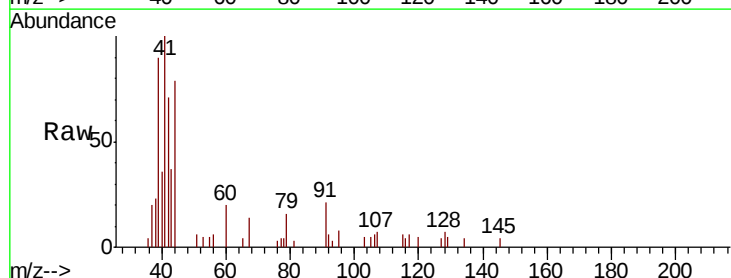
Acq: 6 Nov 2020 4:24

Tgt Ion: 41 Resp: 6835

Ion Ratio Lower Upper

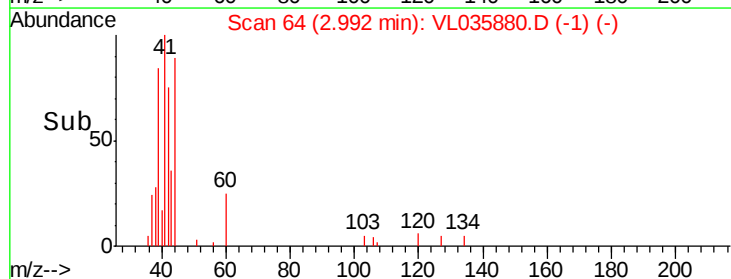
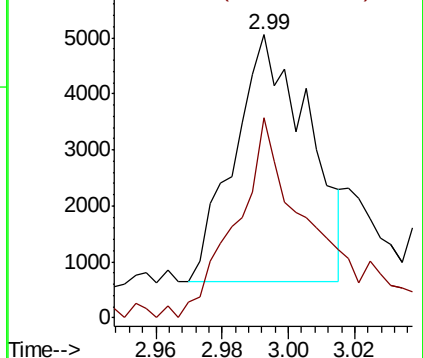
41 100

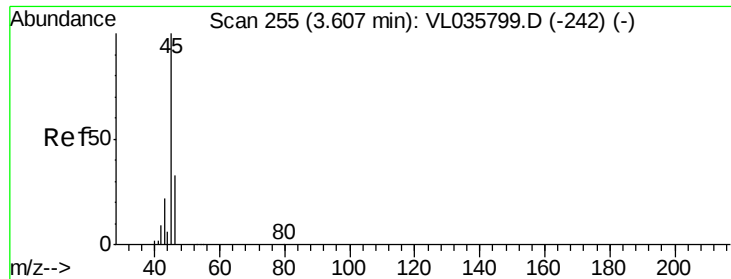
42 112.1 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.100 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035880.D

Acq: 6 Nov 2020 4:24

Instrument :

MSVOA_L

ClientSampleId :

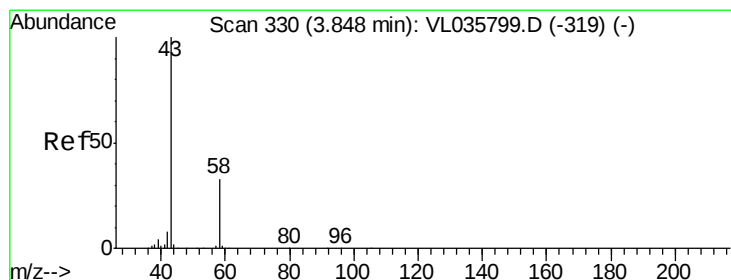
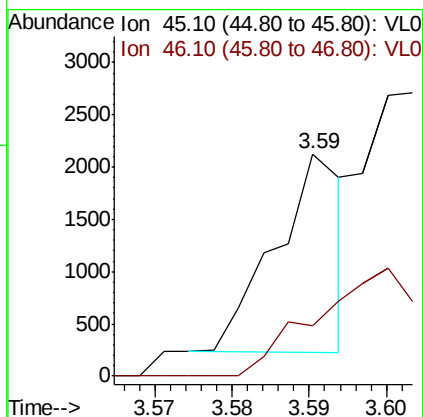
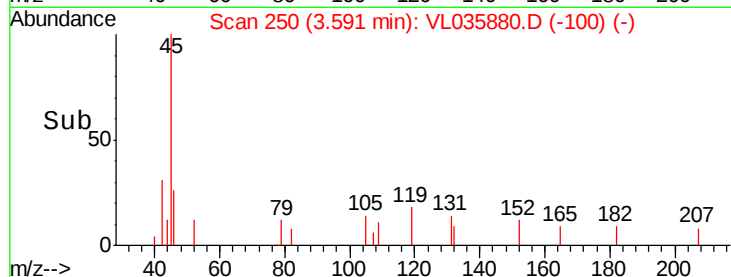
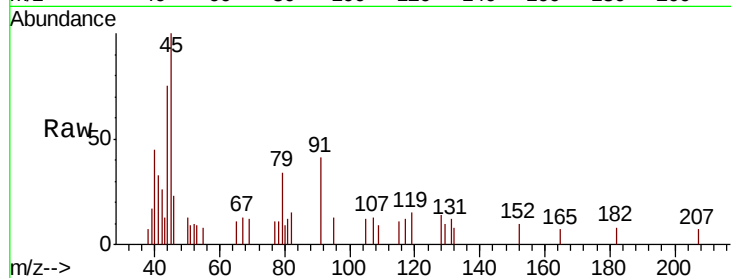
SSSG-1DL

Tot Ion: 45 Resp: 1157

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#



#15

Acetone

Concen: 13.350 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL035880.D

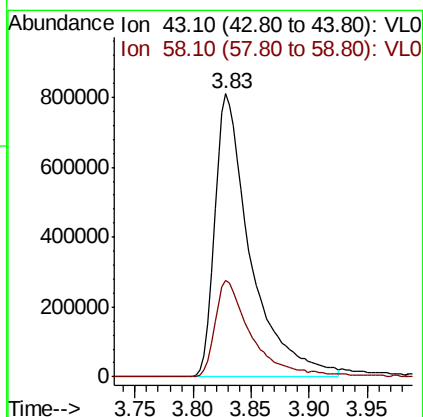
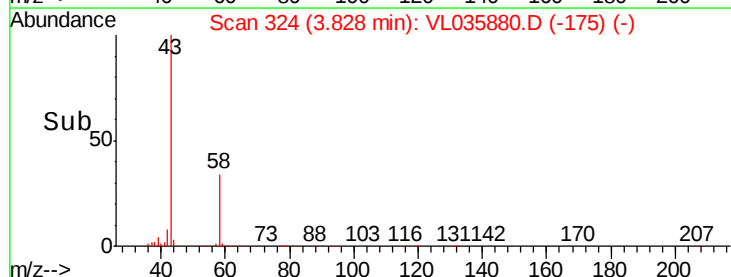
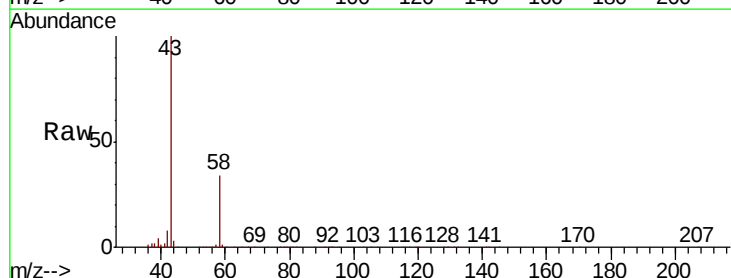
Acq: 6 Nov 2020 4:24

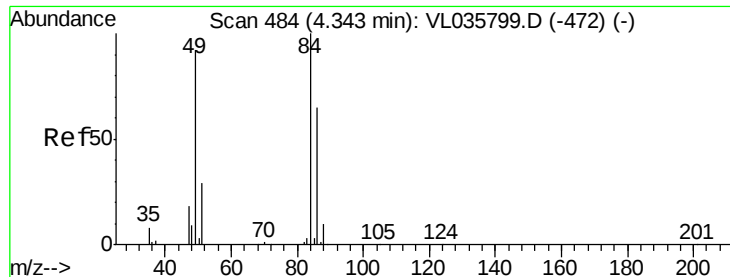
Tgt Ion: 43 Resp: 1740696

Ion Ratio Lower Upper

43 100

58 35.8 27.5 41.3

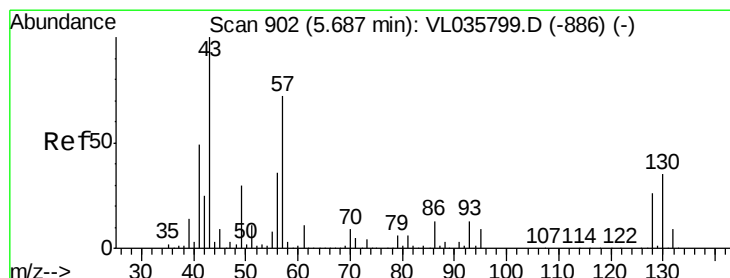
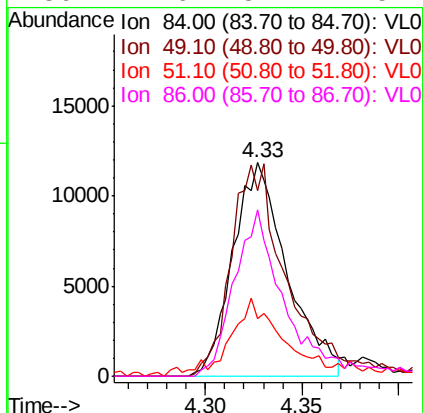
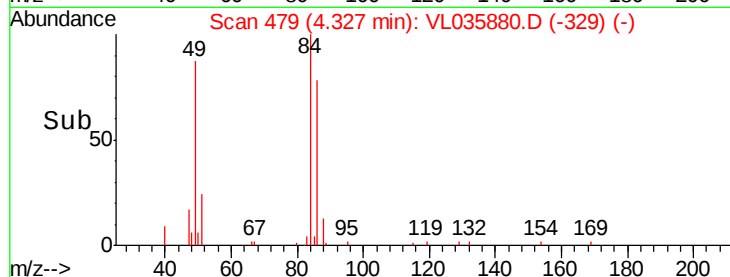
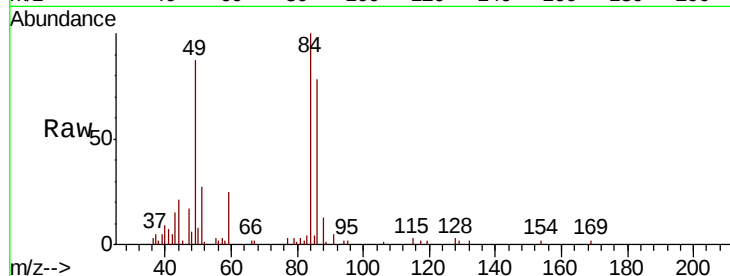




#20
Methvlene Chloride
Concen: 0.252 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL035880.D
Acq: 6 Nov 2020 4:24

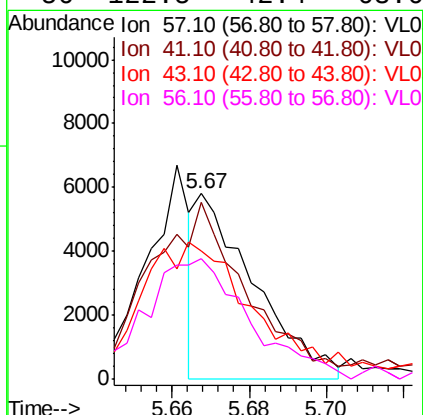
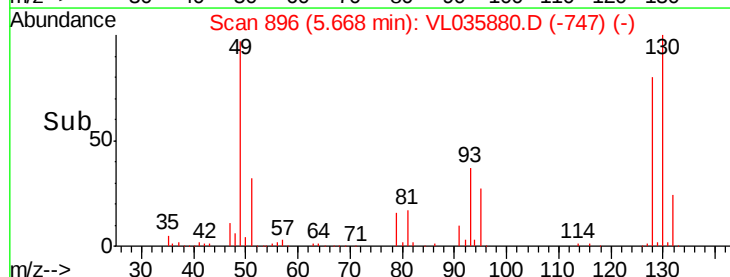
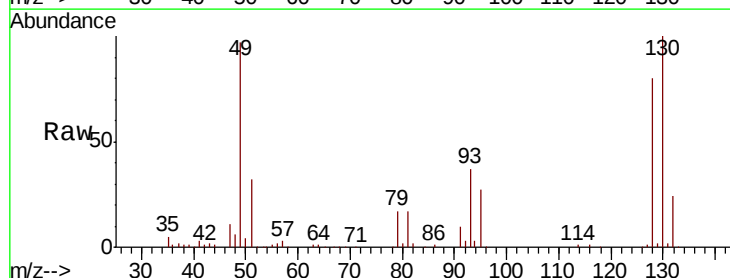
Instrument :
MSVOA_L
ClientSampleId :
SSSG-1DL

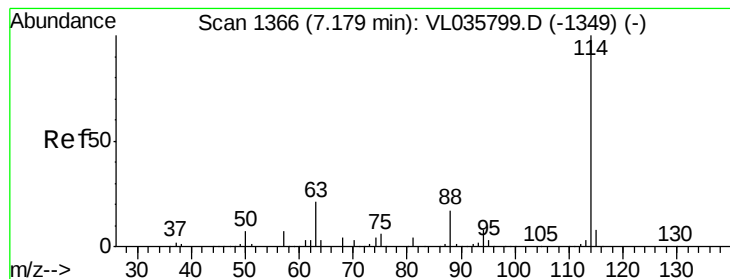
Tot Ion:	84	Resp:	23128
Ion	Ratio	Lower	Upper
84	100		
49	87.1	73.8	110.8
51	24.1	23.0	34.4
86	77.6	52.1	78.1



#26
Hexane
Concen: 0.043 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL035880.D
Acq: 6 Nov 2020 4:24

Tgt Ion:	57	Resp:	6027
Ion	Ratio	Lower	Upper
57	100		
41	187.8	58.9	88.3#
43	151.6	150.2	225.2
56	122.5	42.4	63.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.03 min

Lab File: VL035880.D

Acq: 6 Nov 2020 4:24

Instrument :

MSVOA_L

ClientSampleID :

SSSG-1DL

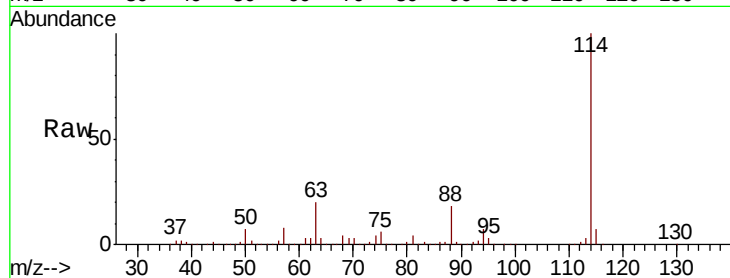
Tot Ion:114 Resp: 4890651

Ion Ratio Lower Upper

114 100

63 19.6 16.1 24.1

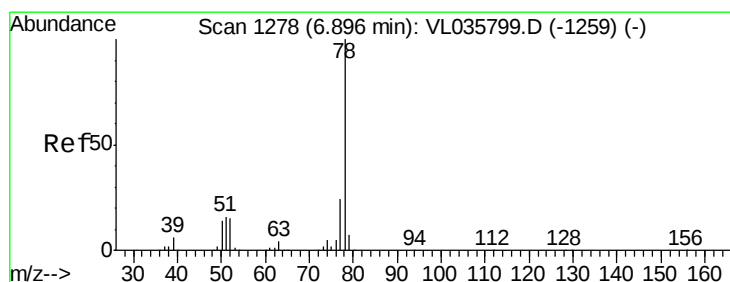
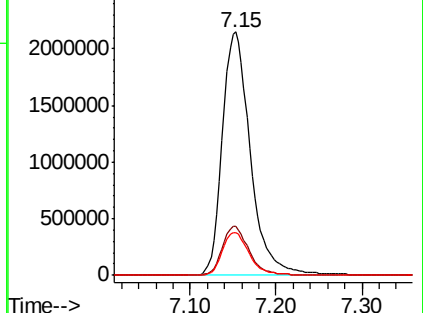
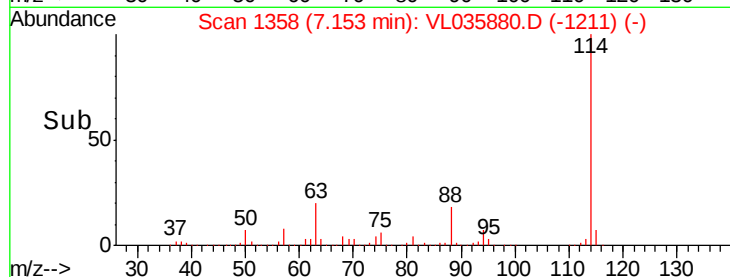
88 17.1 13.7 20.5



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#36

Benzene

Concen: 0.035 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VL035880.D

Acq: 6 Nov 2020 4:24

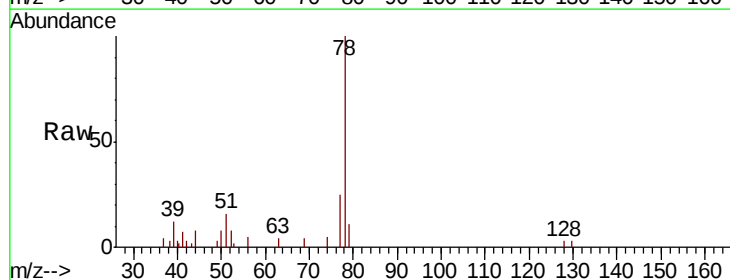
Tgt Ion: 78 Resp: 12852

Ion Ratio Lower Upper

78 100

77 25.4 19.3 28.9

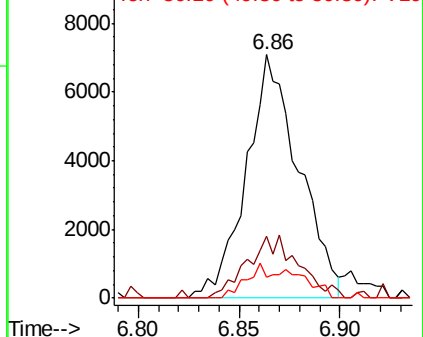
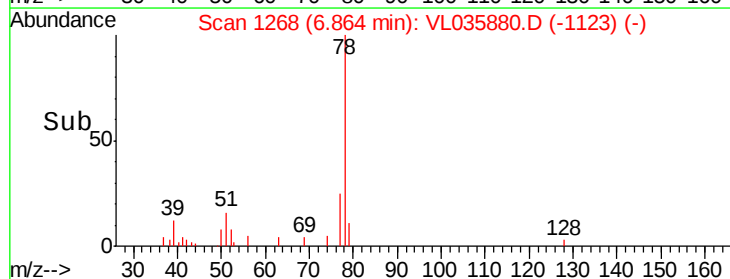
50 8.4 11.4 17.2#

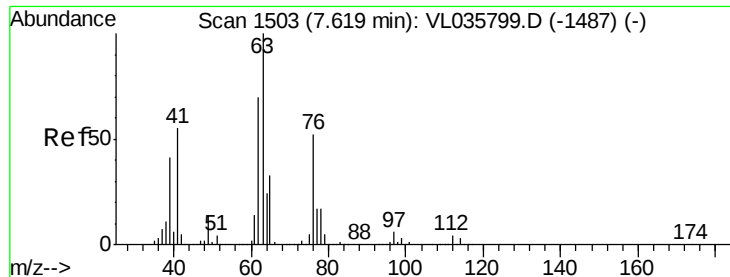


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 7.699 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.47 min

Lab File: VL035880.D

Acq: 6 Nov 2020 4:24

Instrument :

MSVOA_L

ClientSampled :

SSSG-1DL

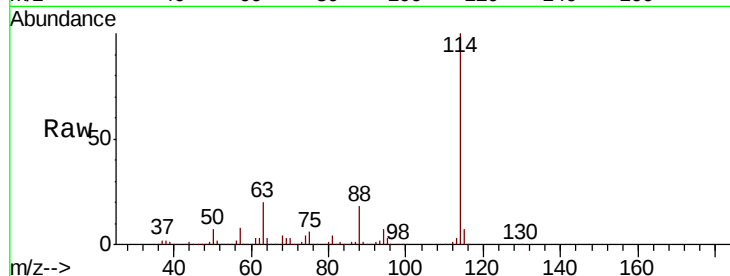
Tot Ion: 63 Resp: 942409

Ion Ratio Lower Upper

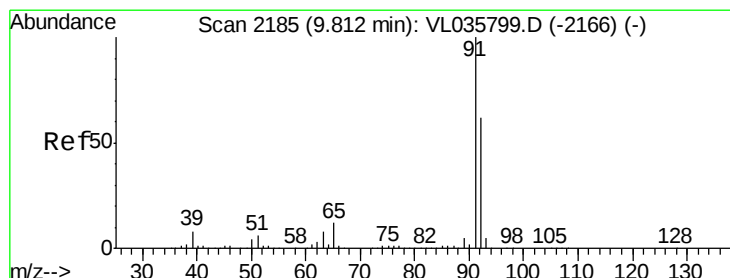
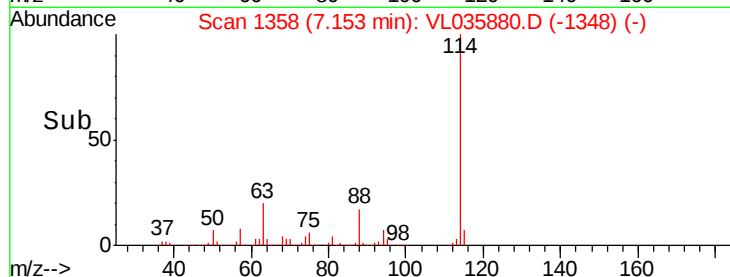
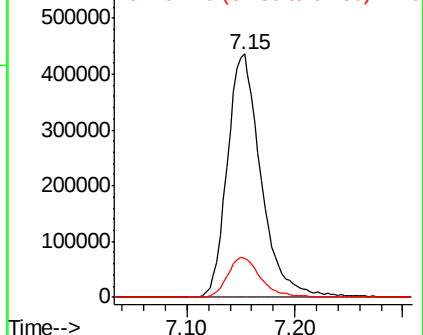
63 100

41 0.0 43.8 65.6#

62 15.9 56.2 84.2#



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



#53

Toluene

Concen: 3.272 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

Lab File: VL035880.D

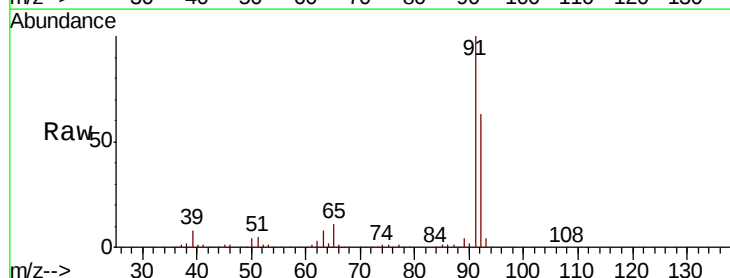
Acq: 6 Nov 2020 4:24

Tgt Ion: 91 Resp: 1435675

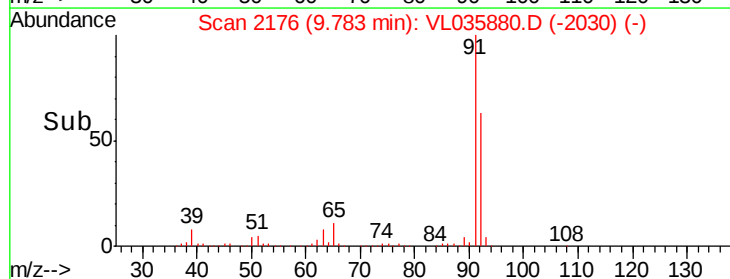
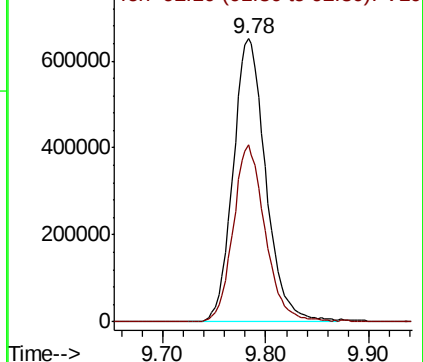
Ion Ratio Lower Upper

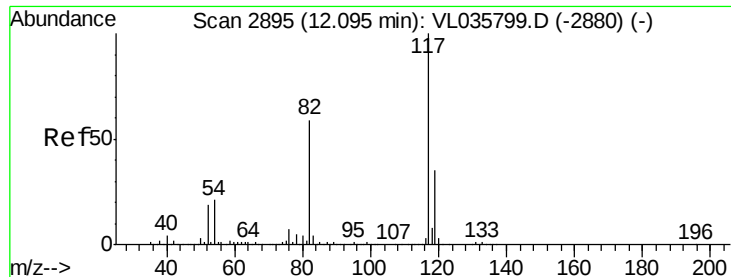
91 100

92 61.7 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

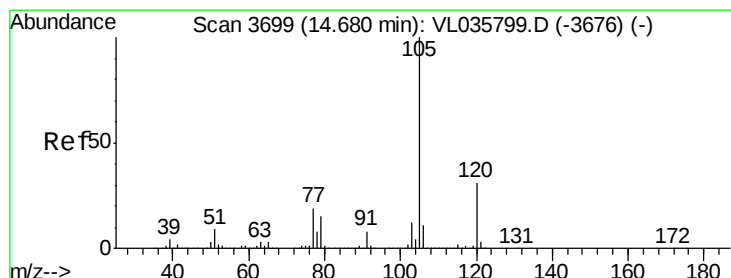
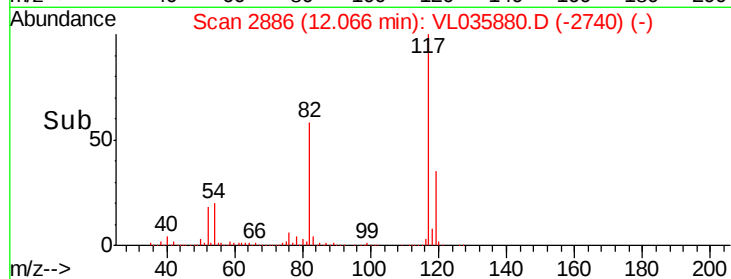
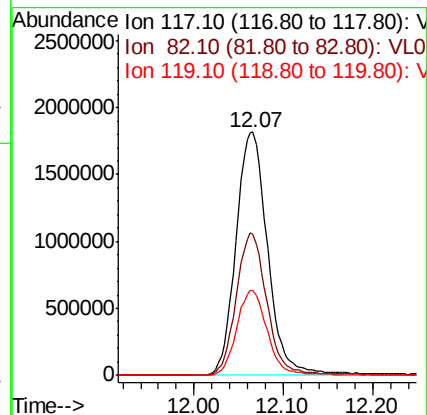
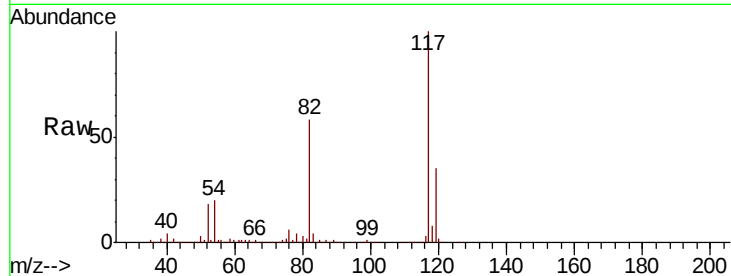




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL035880.D
Acq: 6 Nov 2020 4:24

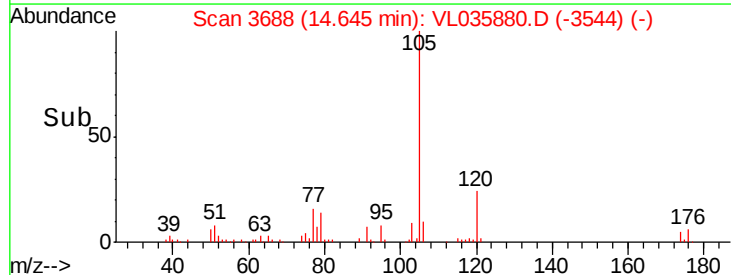
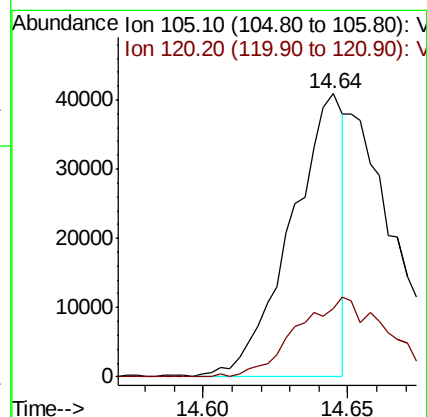
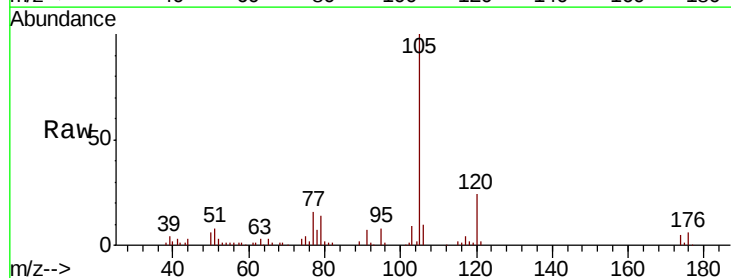
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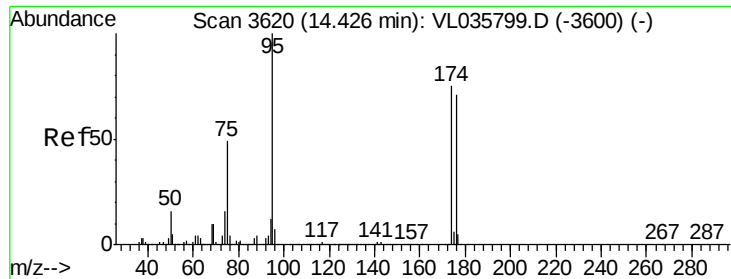
Tot Ion:117 Resp: 4468277
Ion Ratio Lower Upper
117 100
82 57.8 50.6 76.0
119 34.5 52.6 78.8#



#62
Isopropylbenzene
Concen: 0.073 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.04 min
Lab File: VL035880.D
Acq: 6 Nov 2020 4:24

Tgt Ion:105 Resp: 51142
Ion Ratio Lower Upper
105 100
120 0.0 23.5 35.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.945 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL035880.D

Acq: 6 Nov 2020 4:24

Instrument :

MSVOA_L

ClientSampleId :

SSSG-1DL

Tot Ion: 95 Resp: 3157001

Ion Ratio Lower Upper

95 100

174 74.4 59.8 89.6

175 5.3 4.3 6.5

