

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035887.D
 Acq On : 6 Nov 2020 9:25
 Operator : SY/AP
 Sample : VL4618-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Nov 06 23:44:13 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	919444	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3425552	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3224171	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2268086	9.90	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

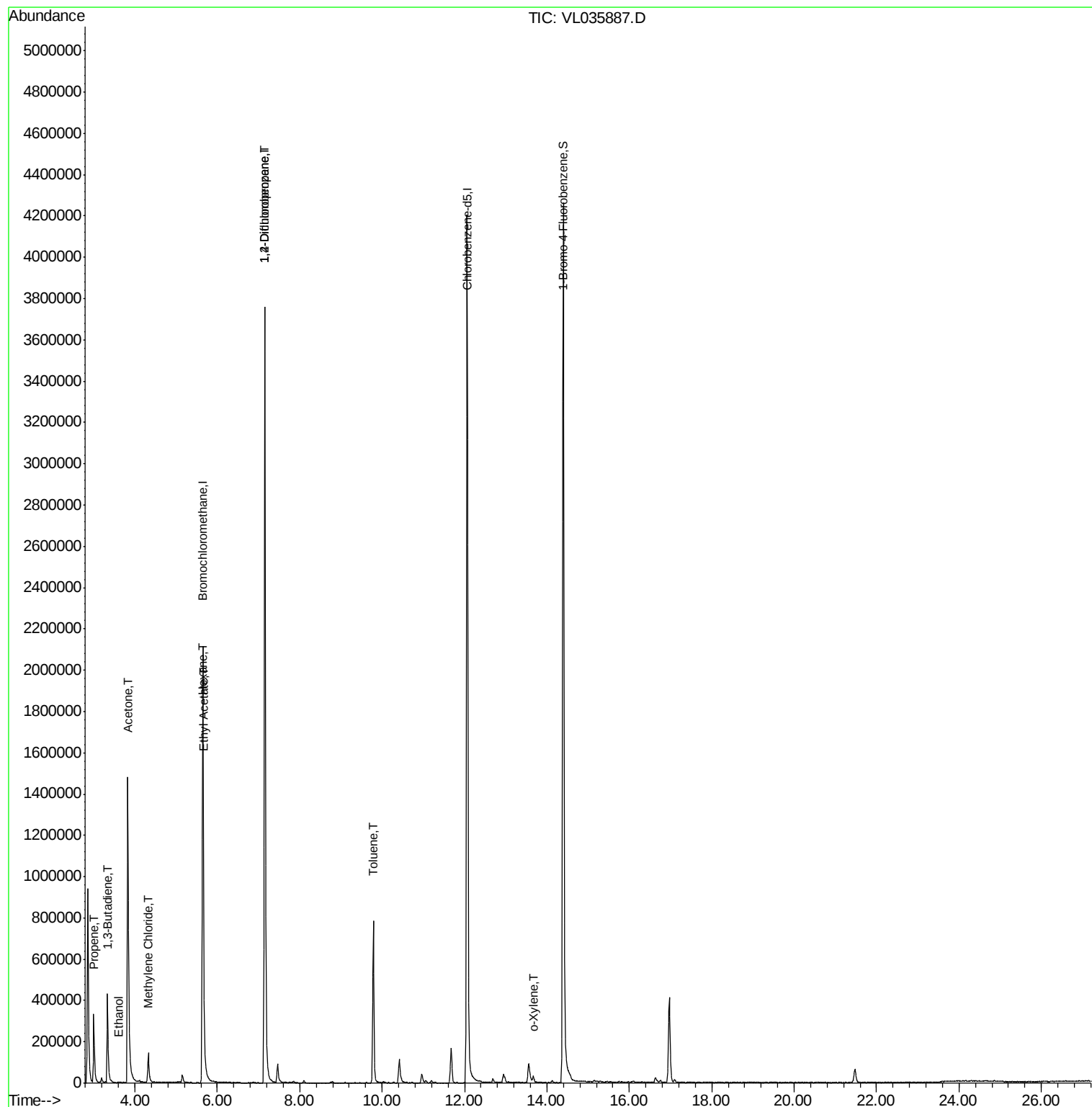
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	87437	2.170	ppbv #	68
13) Ethanol	3.59	45	1267	0.145	ppbv #	35
15) Acetone	3.83	43	1958649	19.926	ppbv	100
16) 1,3-Butadiene	3.34	39	60734	1.435	ppbv #	1
20) Methylene Chloride	4.32	84	72257	1.044	ppbv	94
25) Ethyl Acetate	5.67	43	11821	0.061	ppbv #	71
26) Hexane	5.66	57	17119	0.160	ppbv #	45
39) 1,2-Dichloropropane	7.15	63	688204	8.027	ppbv #	30
53) Toluene	9.78	91	669430	2.179	ppbv	98
60) o-Xylene	13.67	91	20860	0.065	ppbv	96

(#) = 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: VL035887.D

Acq: 6 Nov 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

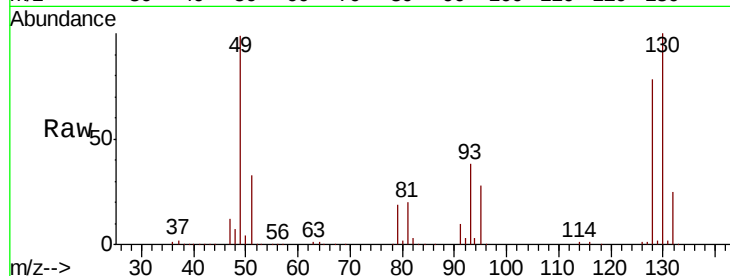
Tot Ion: 49 Resp: 919444

Ion Ratio Lower Upper

49 100

128 80.9 41.5 124.6

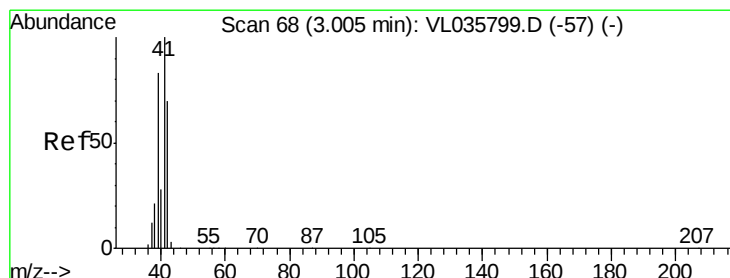
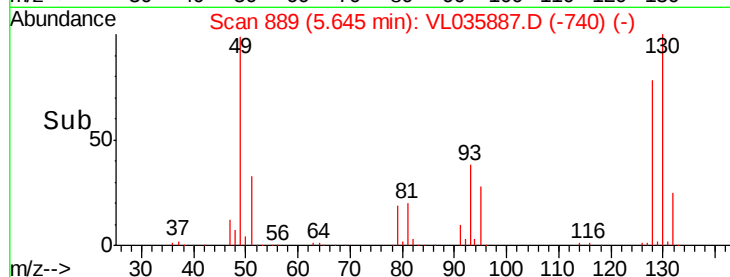
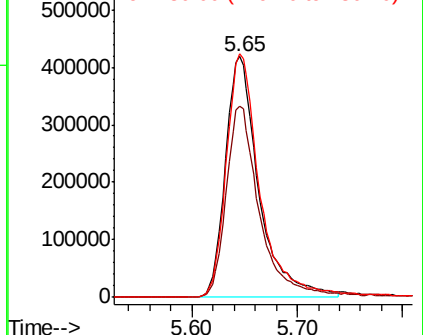
130 103.9 53.7 161.1



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: 2.170 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035887.D

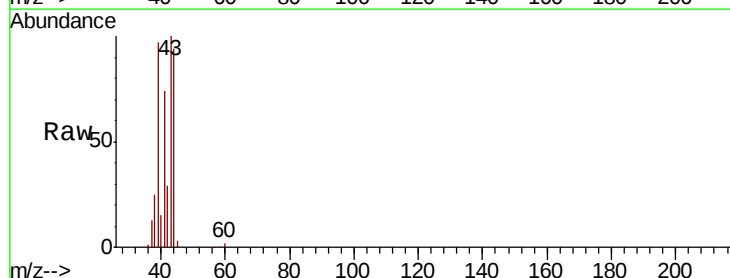
Acq: 6 Nov 2020 9:25

Tgt Ion: 41 Resp: 87437

Ion Ratio Lower Upper

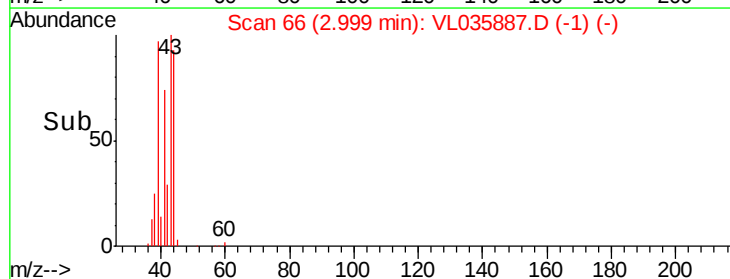
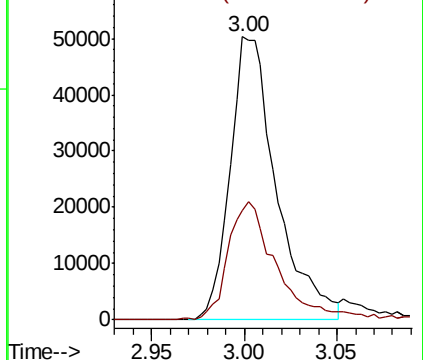
41 100

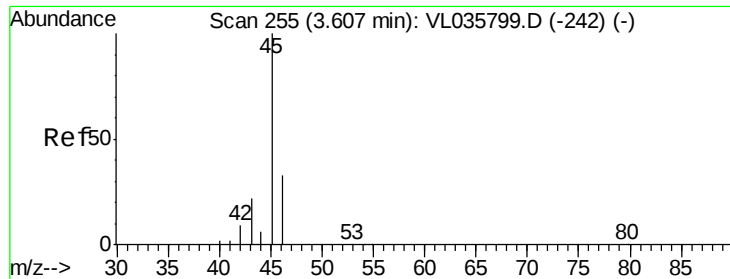
42 44.3 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

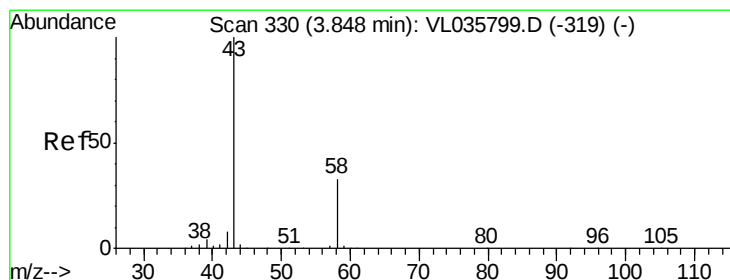
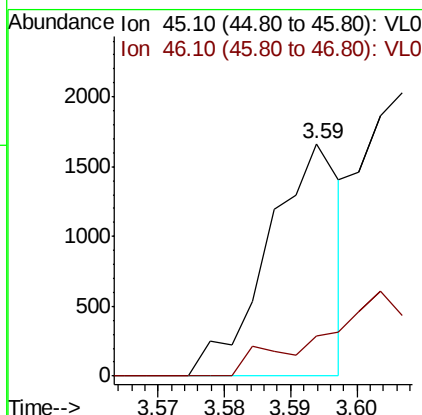
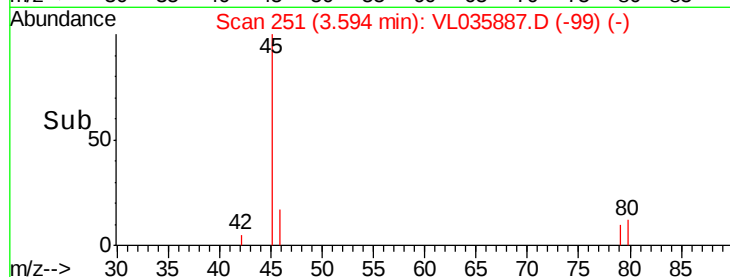
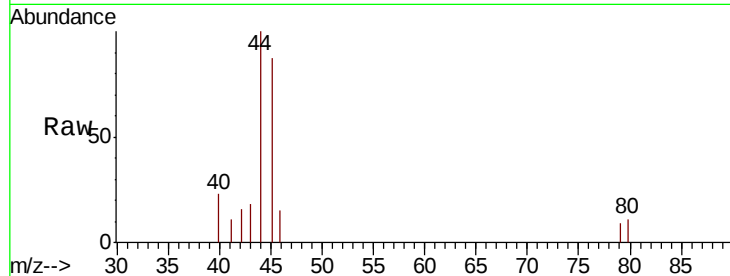




#13
Ethanol
Concen: 0.145 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL035887.D
Acq: 6 Nov 2020 9:25

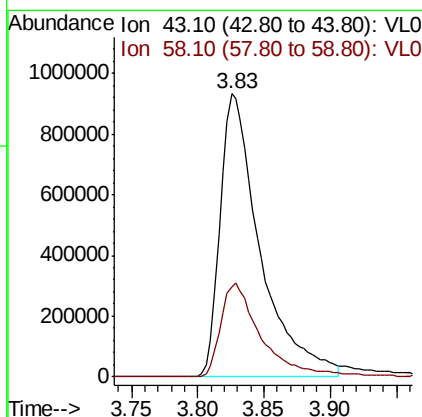
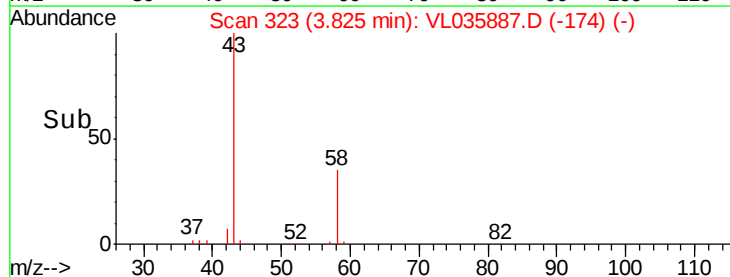
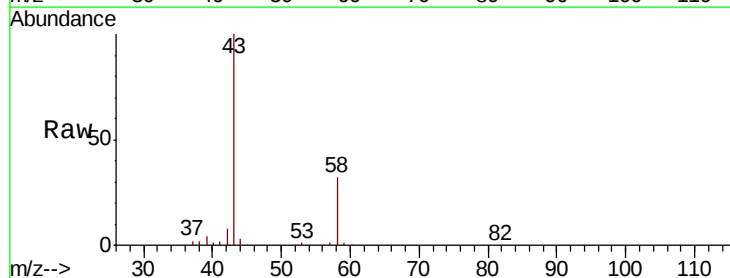
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

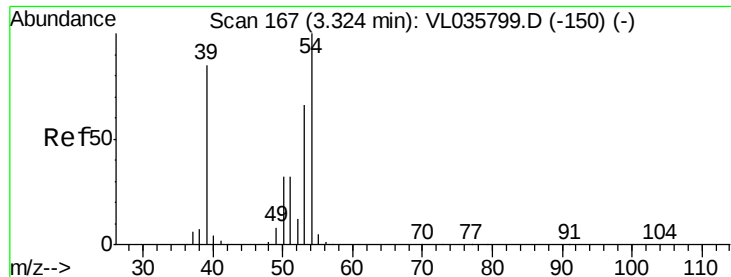
Tot Ion: 45 Resp: 1267
Ion Ratio Lower Upper
45 100
46 0.0 16.1 64.5#



#15
Acetone
Concen: 19.926 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.02 min
Lab File: VL035887.D
Acq: 6 Nov 2020 9:25

Tgt Ion: 43 Resp: 1958649
Ion Ratio Lower Upper
43 100
58 34.6 27.5 41.3

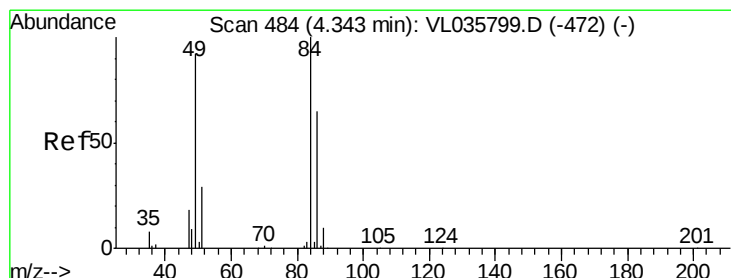
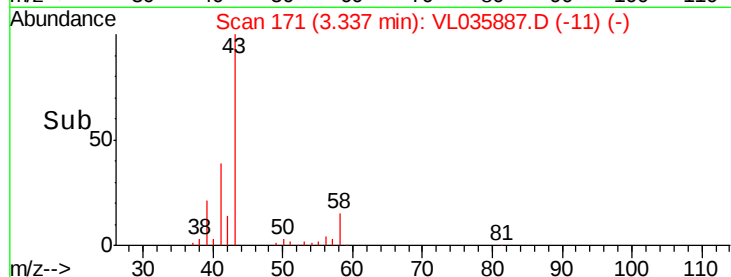
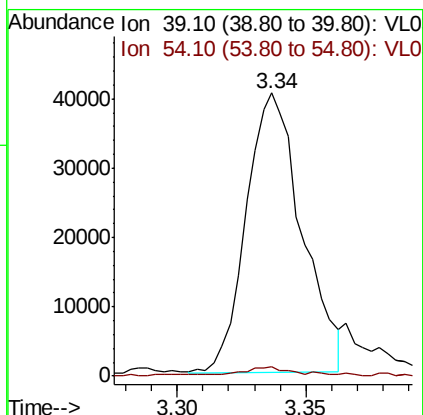
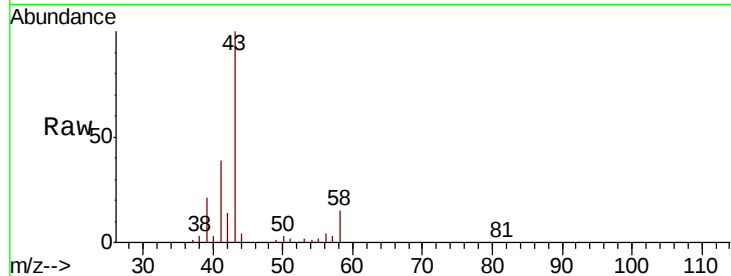




#16
 1,3-Butadiene
 Concen: 1.435 ppbv
 RT: 3.34 min Scan# 171
 Delta R.T. 0.01 min
 Lab File: VL035887.D
 Acq: 6 Nov 2020 9:25

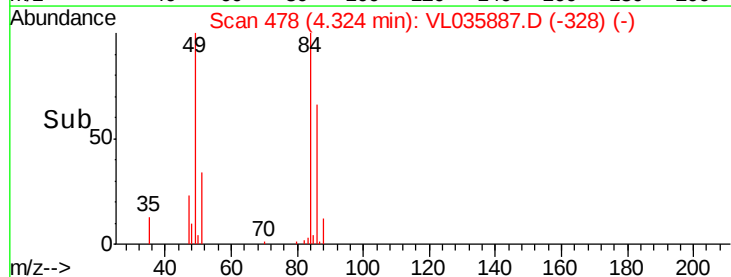
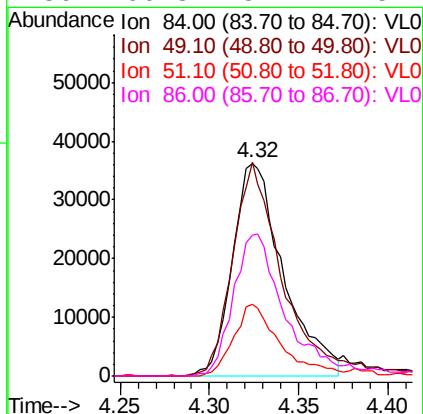
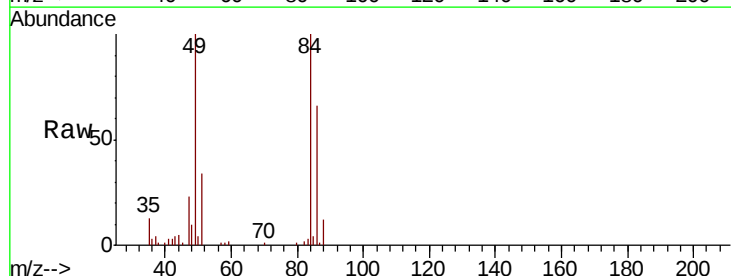
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

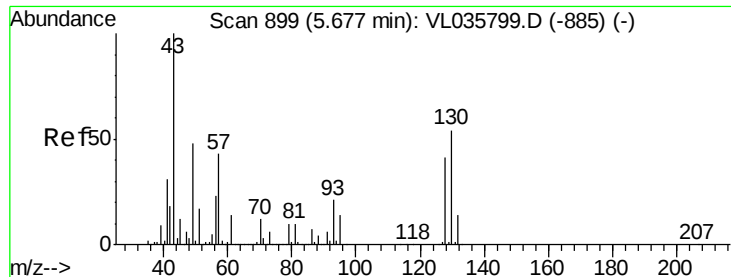
Tot Ion: 39 Resp: 60734
 Ion Ratio Lower Upper
 39 100
 54 3.9 87.1 130.7#



#20
 Methylene Chloride
 Concen: 1.044 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. -0.02 min
 Lab File: VL035887.D
 Acq: 6 Nov 2020 9:25

Tgt Ion: 84 Resp: 72257
 Ion Ratio Lower Upper
 84 100
 49 99.7 73.8 110.8
 51 33.8 23.0 34.4
 86 66.3 52.1 78.1

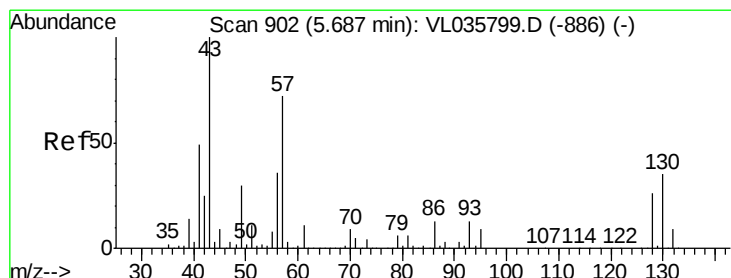
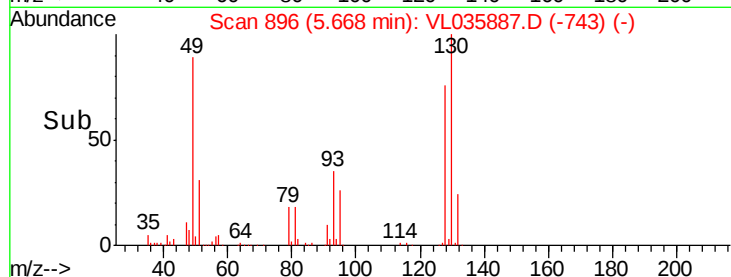
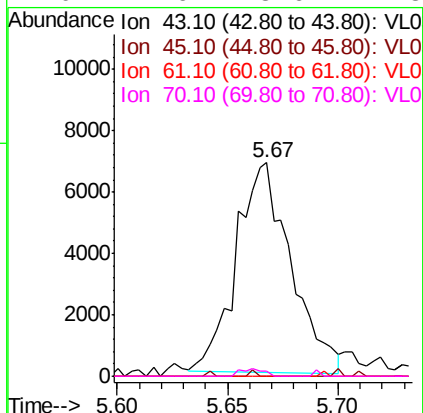
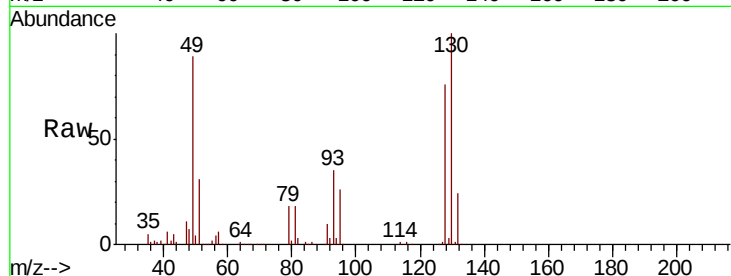




#25
Ethyl Acetate
Concen: 0.061 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035887.D
Acq: 6 Nov 2020 9:25

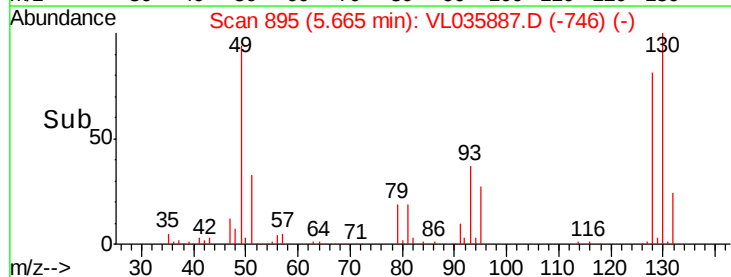
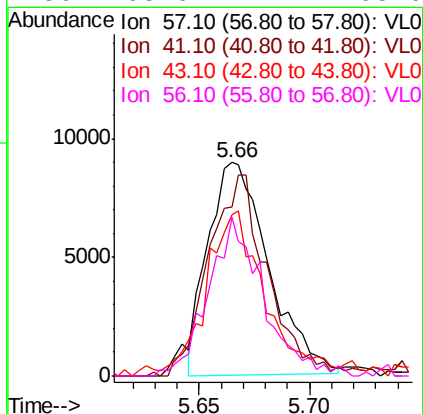
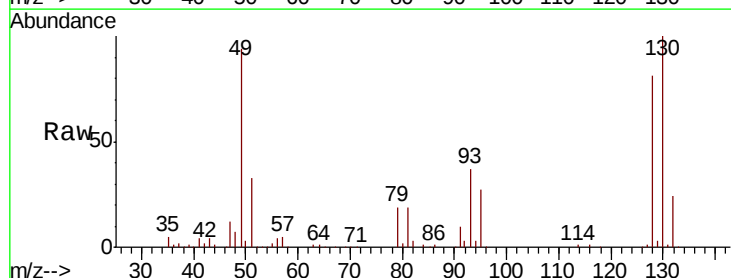
Instrument :
MSVOA_L
ClientSampleID :
IA-1DL

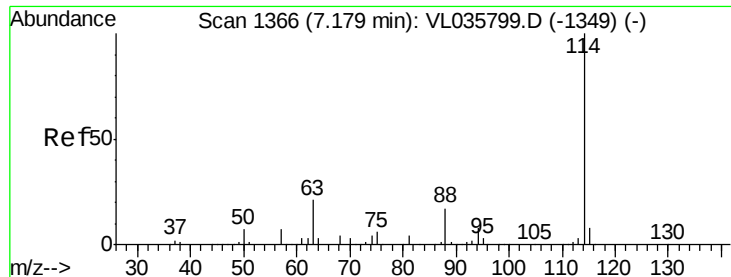
Tot Ion:	43	Resp:	11821
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.5	12.7#
61	0.0	10.7	16.1#
70	1.6	8.6	12.8#



#26
Hexane
Concen: 0.160 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035887.D
Acq: 6 Nov 2020 9:25

Tgt Ion:	57	Resp:	17119
Ion	Ratio	Lower	Upper
57	100		
41	95.1	58.9	88.3#
43	78.3	150.2	225.2#
56	68.6	42.4	63.6#

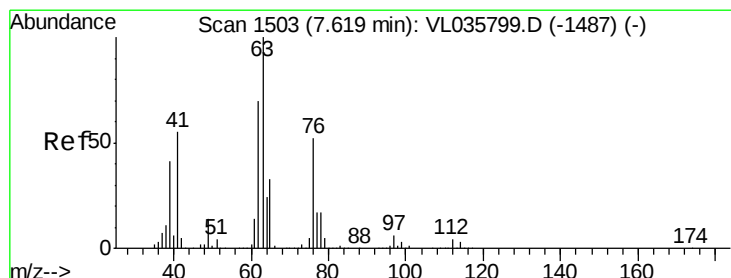
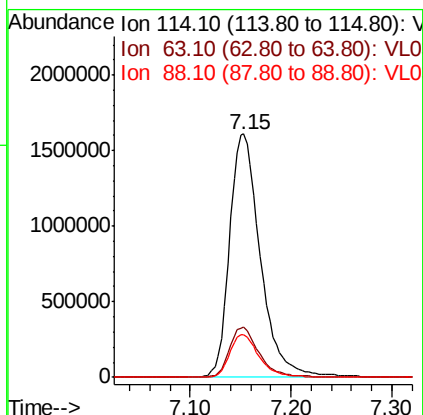
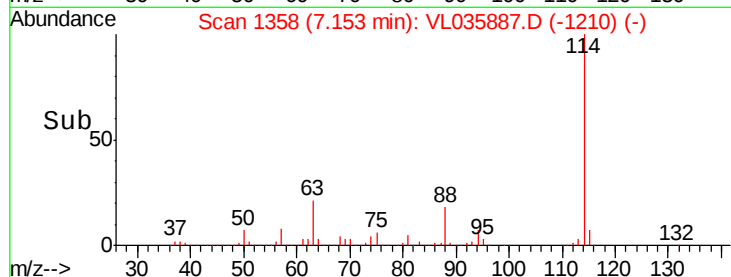
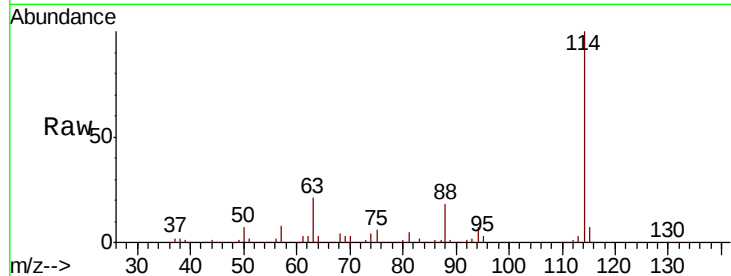




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL035887.D
 Acq: 6 Nov 2020 9:25

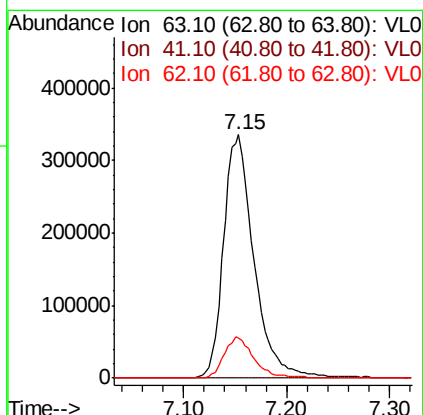
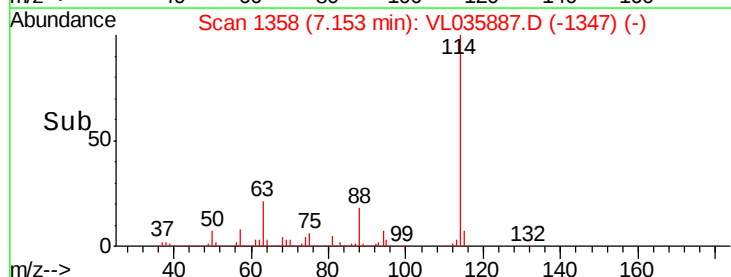
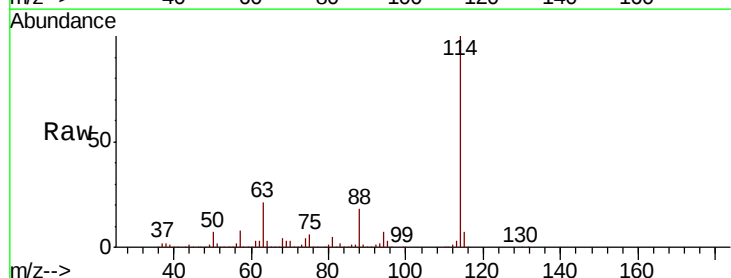
Instrument :
 MSVOA_L
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 IA-1DL

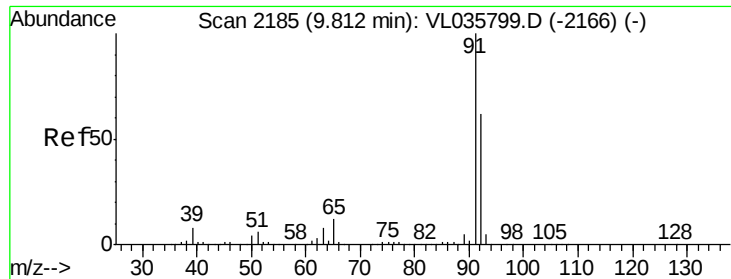
Tot Ion:114 Resp: 342552
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.1 24.1
 88 17.1 13.7 20.5



#39
 1,2-Dichloropropane
 Concen: 8.027 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.47 min
 Lab File: VL035887.D
 Acq: 6 Nov 2020 9:25

Tgt Ion: 63 Resp: 688204
 Ion Ratio Lower Upper
 63 100
 41 0.0 43.8 65.6#
 62 16.4 56.2 84.2#





#53

Toluene

Concen: 2.179 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

Lab File: VL035887.D

Acq: 6 Nov 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

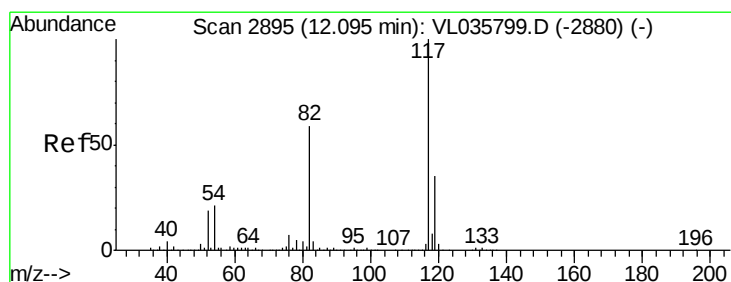
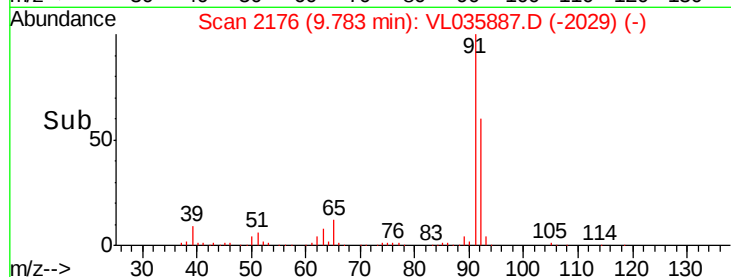
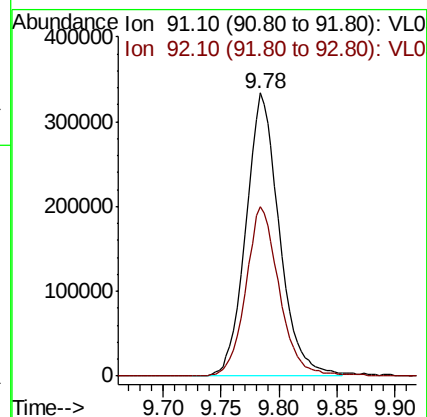
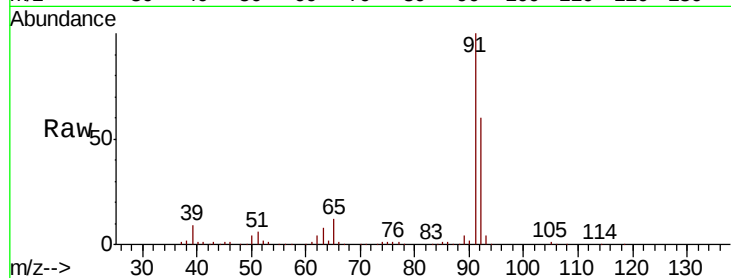
IA-1DL

Tot Ion: 91 Resp: 669430

Ion Ratio Lower Upper

91 100

92 60.3 49.8 74.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL035887.D

Acq: 6 Nov 2020 9:25

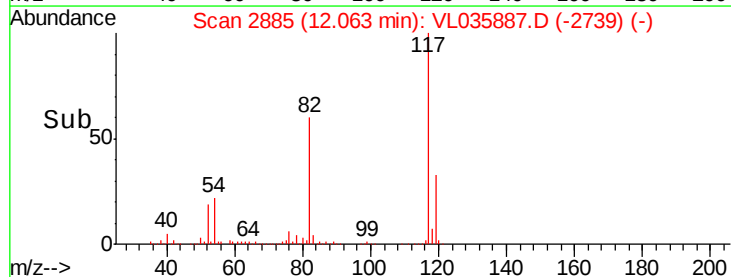
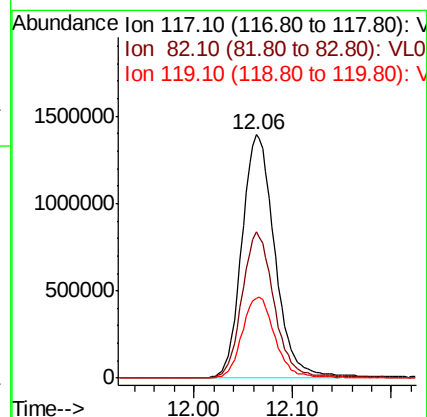
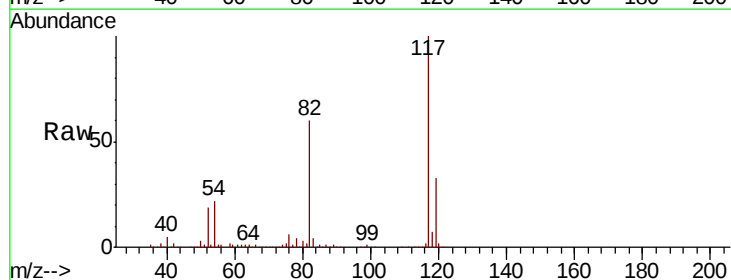
Tgt Ion: 117 Resp: 3224171

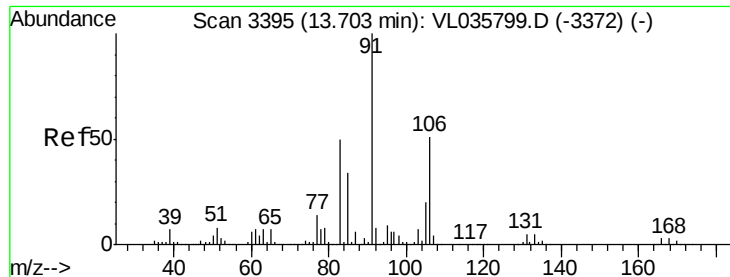
Ion Ratio Lower Upper

117 100

82 59.3 50.6 76.0

119 33.8 52.6 78.8#

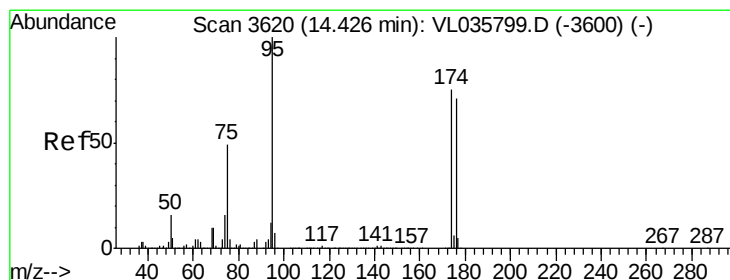
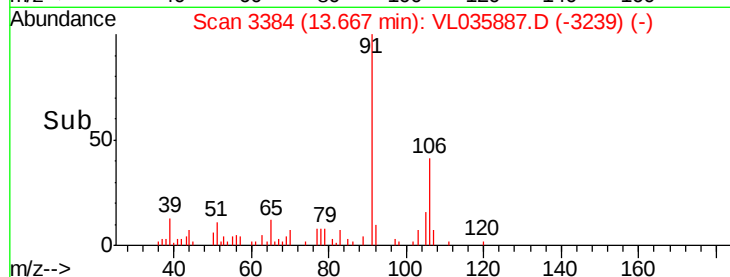
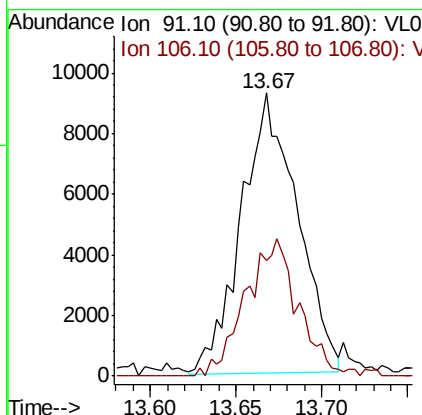
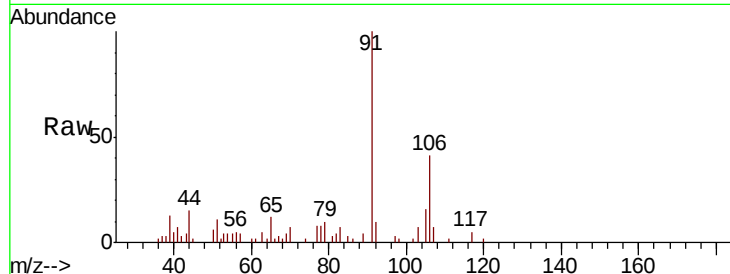




#60
o-Xylene
Concen: 0.065 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL035887.D
Acq: 6 Nov 2020 9:25

Instrument :
MSVOA_L
ClientSampleID :
IA-1DL

Tot Ion: 91 Resp: 20860
Ion Ratio Lower Upper
91 100
106 46.6 24.8 74.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.901 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.03 min
Lab File: VL035887.D
Acq: 6 Nov 2020 9:25

Tgt Ion: 95 Resp: 2268086
Ion Ratio Lower Upper
95 100
174 76.4 59.8 89.6
175 5.3 4.3 6.5

