

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035575.D
 Acq On : 9 Sep 2020 3:47
 Operator : SY/AP
 Sample : L3898-11DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Quant Time: Sep 09 05:47:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1155333	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4635705	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4710416	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3528406	10.55	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

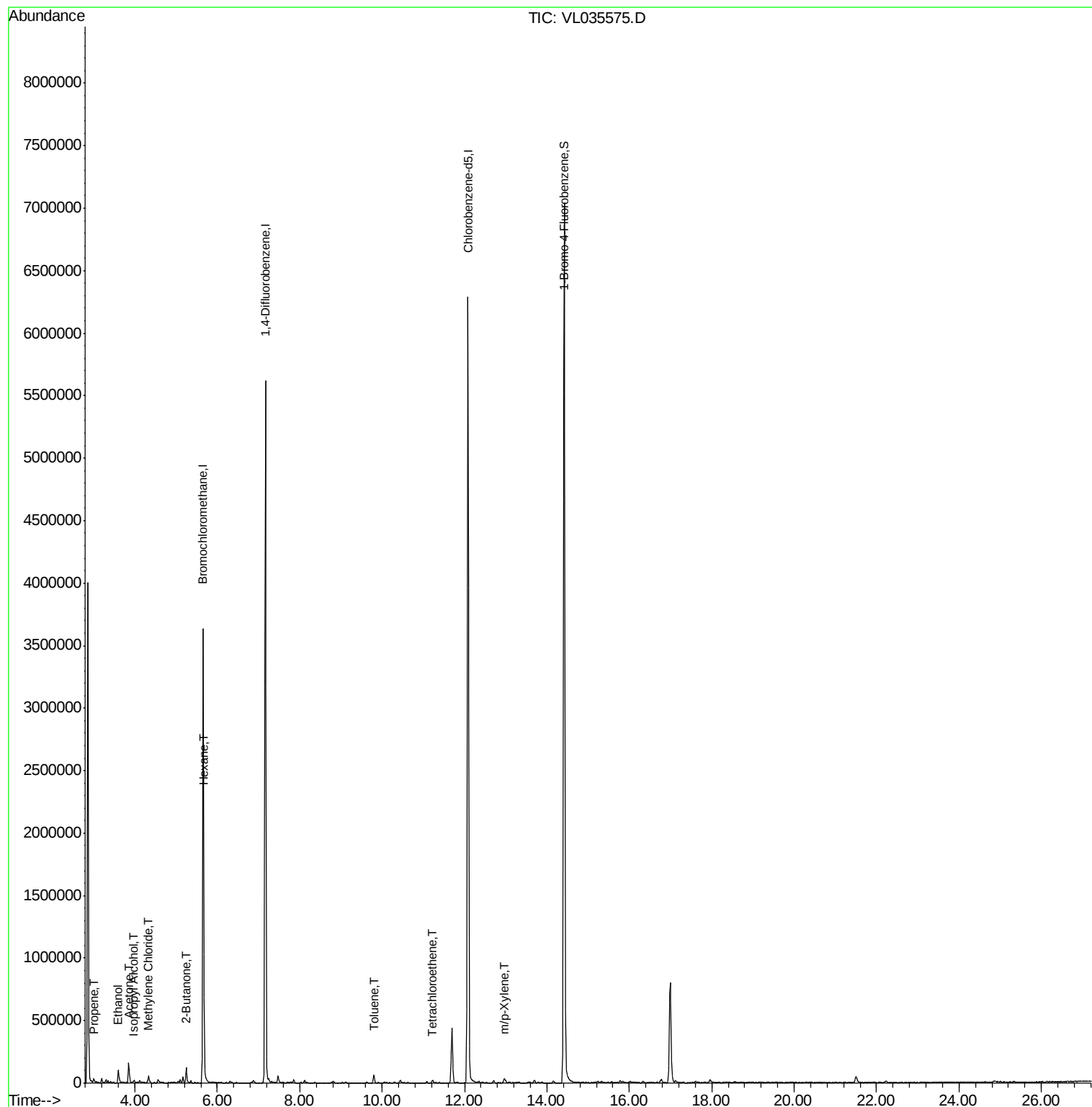
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	12949	0.263	ppbv #	81
13) Ethanol	3.60	45	107087	8.768	ppbv	97
15) Acetone	3.84	43	136908	1.074	ppbv	97
19) Isopropyl Alcohol	3.97	45	17825	0.234	ppbv #	1
20) Methylene Chloride	4.33	84	24750	0.261	ppbv	94
26) Hexane	5.68	57	12768	0.100	ppbv #	51
34) 2-Butanone	5.24	43	122239	0.889	ppbv	100
52) Tetrachloroethene	11.22	164	5784m	0.033	ppbv	
53) Toluene	9.80	91	50946	0.135	ppbv	96
59) m/p-Xylene	12.97	91	40450m	0.100	ppbv	

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

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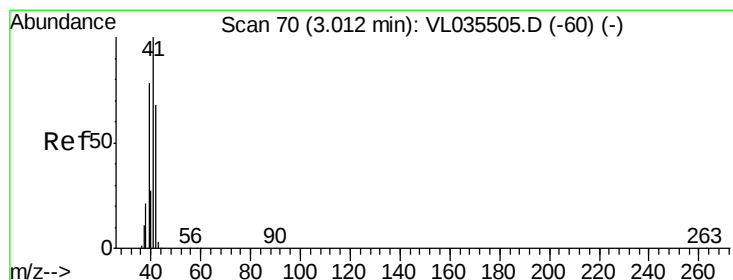
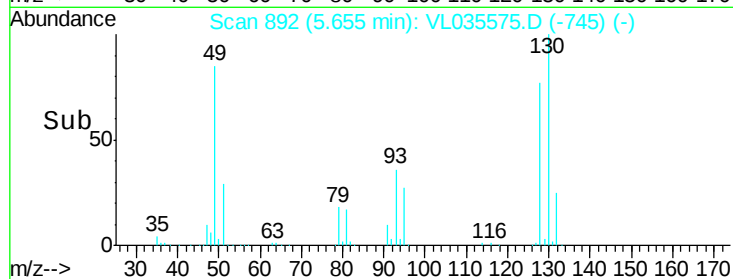
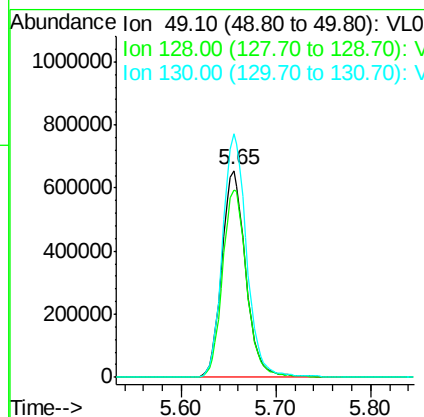
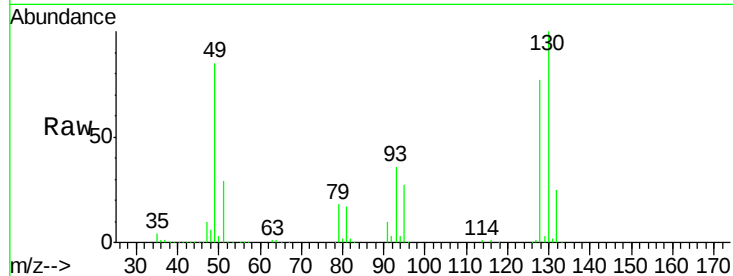




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. -0.03 min
 Lab File: VL035575.D
 Acq: 9 Sep 2020 3:47

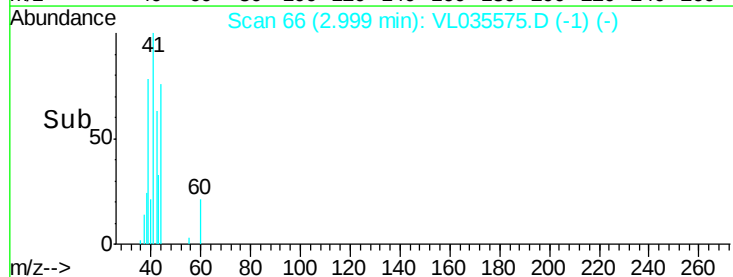
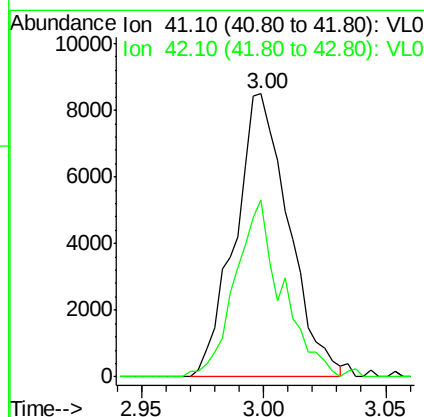
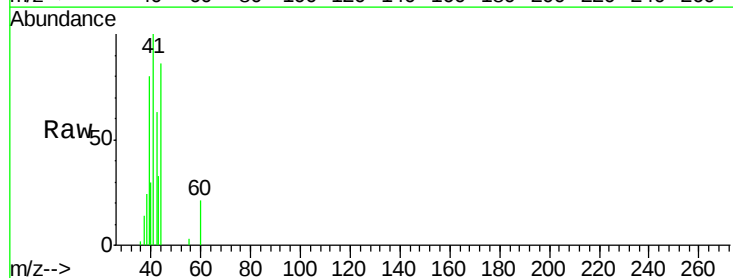
Instrument :
 MSVOA_L
 ClientSampled :
 SS-2DL

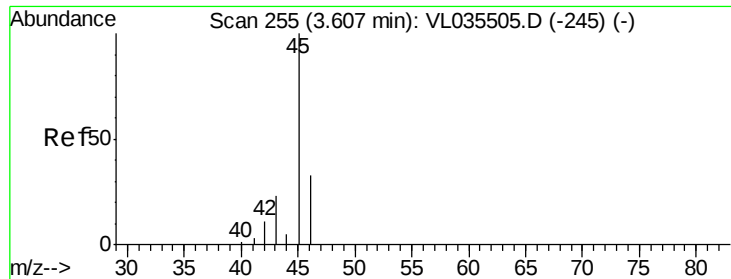
Tot Ion: 49 Resp: 1155333
 Ion Ratio Lower Upper
 49 100
 128 92.2 50.0 150.1
 130 118.9 64.4 193.2



#9
 Propene
 Concen: 0.263 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. -0.01 min
 Lab File: VL035575.D
 Acq: 9 Sep 2020 3:47

Tgt Ion: 41 Resp: 12949
 Ion Ratio Lower Upper
 41 100
 42 55.1 56.3 84.5#

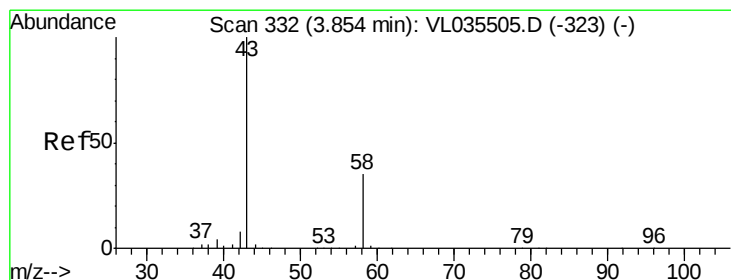
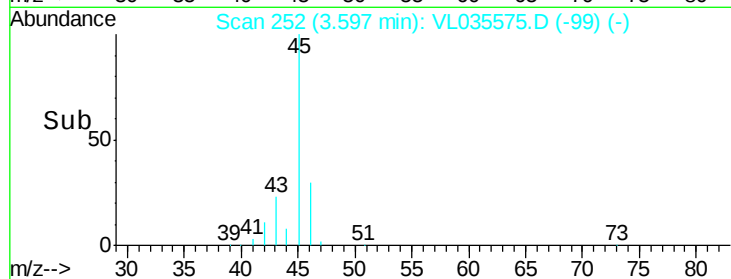
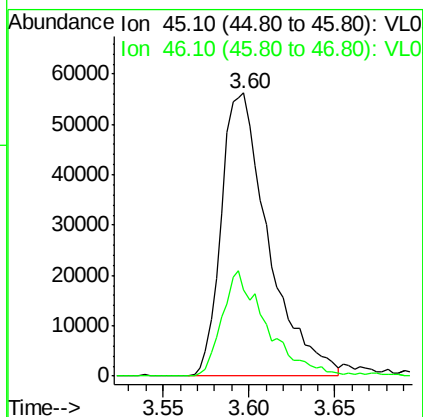
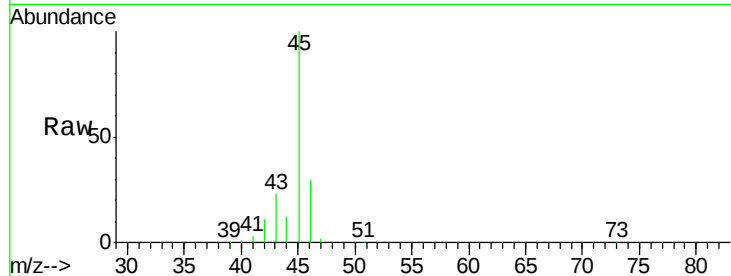




#13
Ethanol
Concen: 8.768 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL035575.D
Acq: 9 Sep 2020 3:47

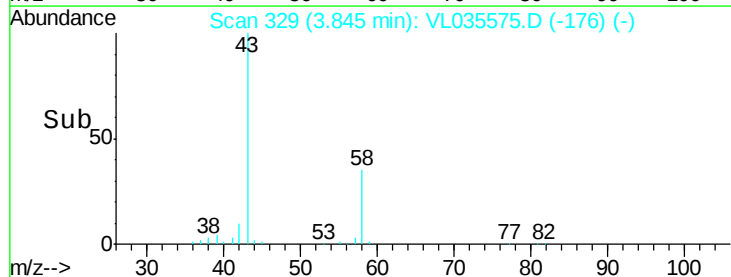
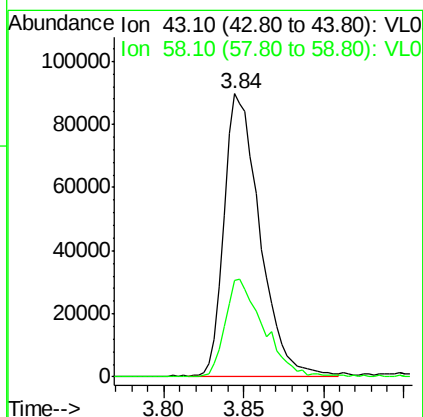
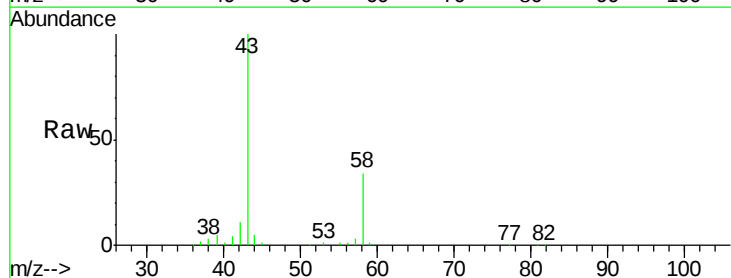
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

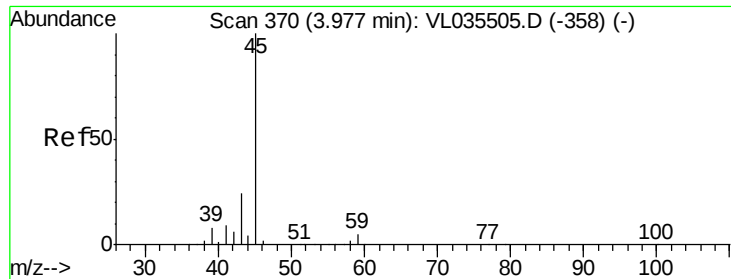
Tot Ion: 45 Resp: 107087
Ion Ratio Lower Upper
45 100
46 36.1 15.2 60.6



#15
Acetone
Concen: 1.074 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL035575.D
Acq: 9 Sep 2020 3:47

Tgt Ion: 43 Resp: 136908
Ion Ratio Lower Upper
43 100
58 37.2 28.4 42.6





#19

Isopropyl Alcohol

Concen: 0.234 ppbv

RT: 3.97 min Scan# 369

Delta R.T. -0.00 min

Lab File: VL035575.D

Acq: 9 Sep 2020 3:47

Instrument :

MSVOA_L

ClientSampled :

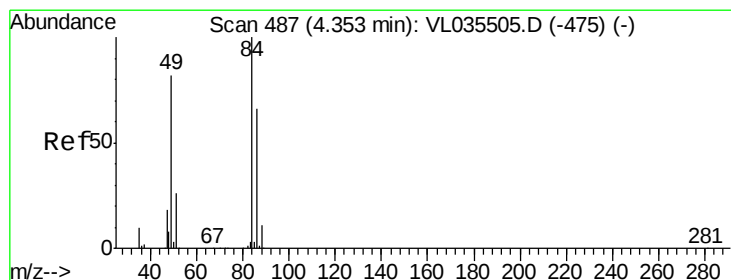
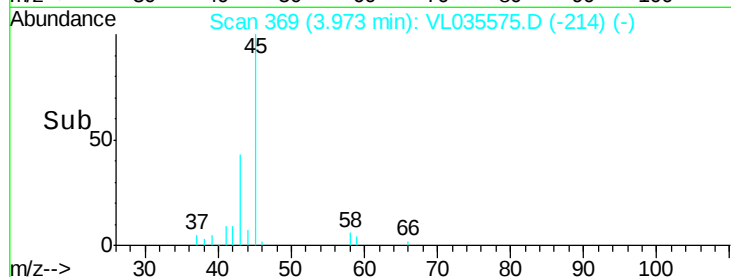
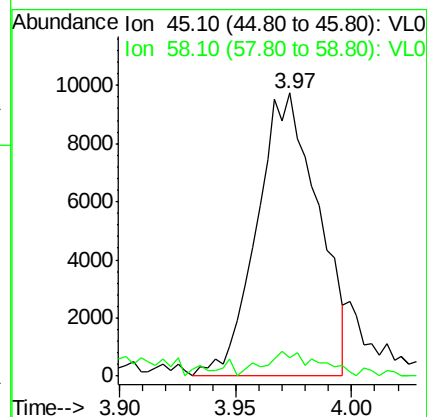
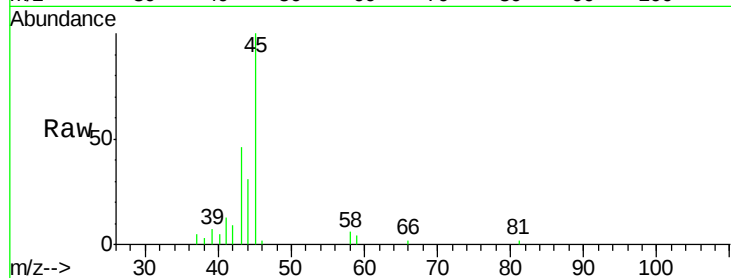
SS-2DL

Tot Ion: 45 Resp: 17825

Ion Ratio Lower Upper

45 100

58 289.6 2.0 3.0#



#20

Methylene Chloride

Concen: 0.261 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL035575.D

Acq: 9 Sep 2020 3:47

Tgt Ion: 84 Resp: 24750

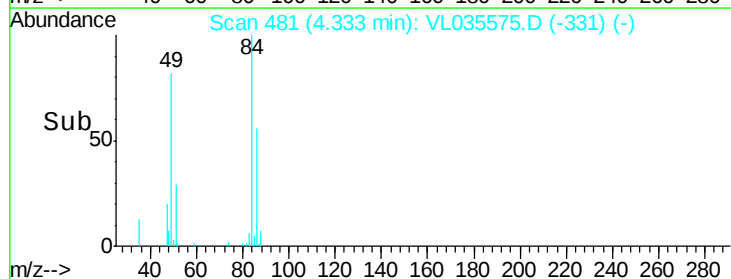
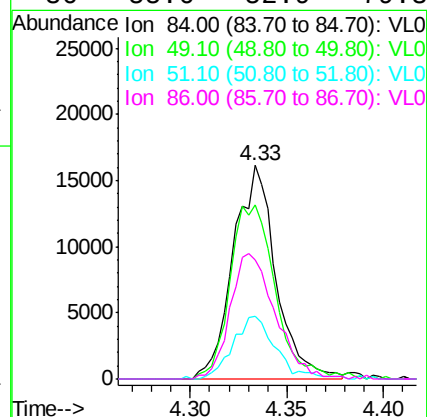
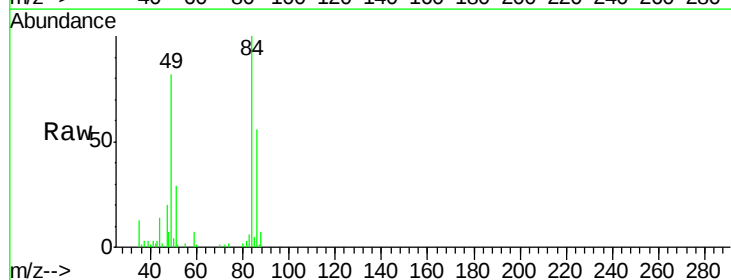
Ion Ratio Lower Upper

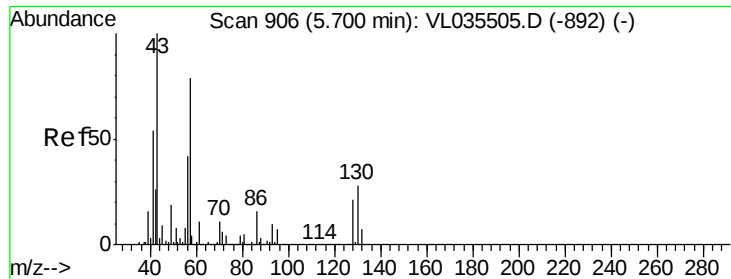
84 100

49 81.7 65.4 98.0

51 30.7 21.5 32.3

86 55.6 52.9 79.3

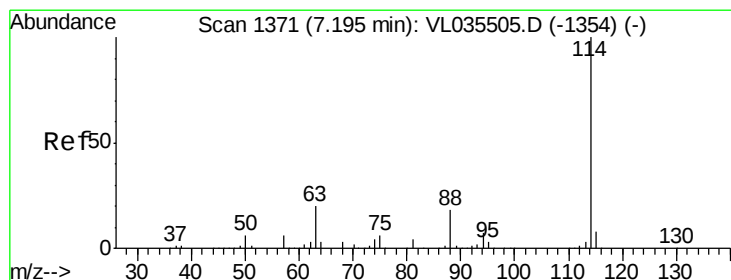
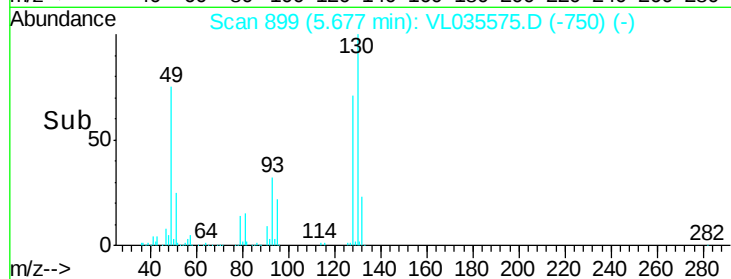
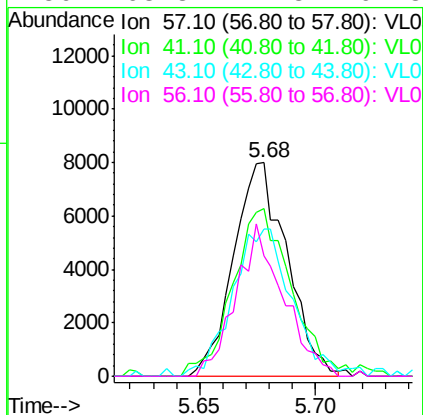
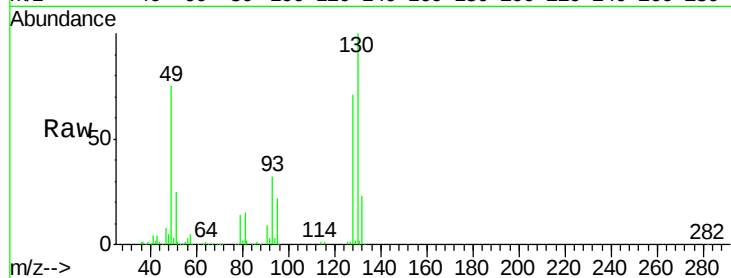




#26
Hexane
Concen: 0.100 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL035575.D
Acq: 9 Sep 2020 3:47

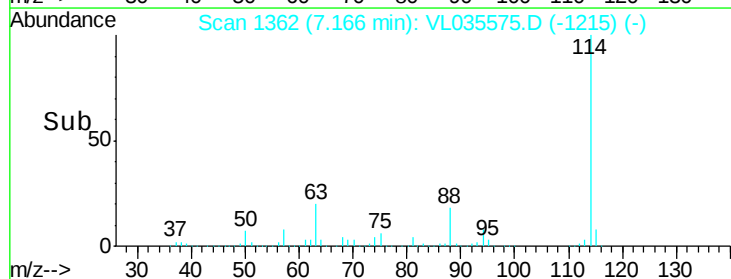
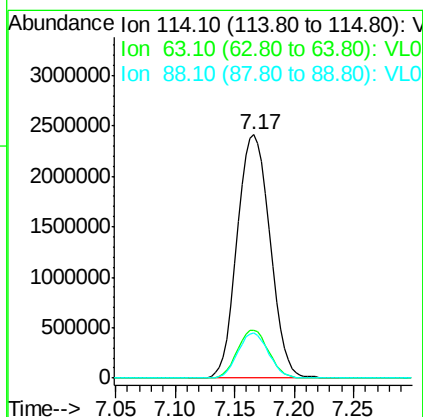
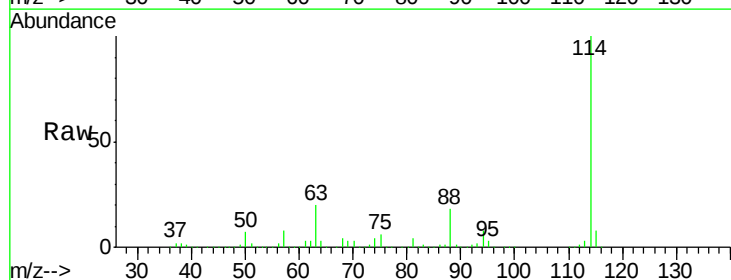
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

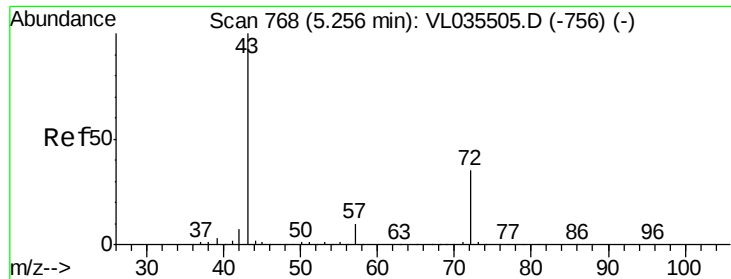
Tot Ion: 57 Resp: 12768
Ion Ratio Lower Upper
57 100
41 87.9 55.9 83.9#
43 78.7 141.8 212.8#
56 63.3 41.8 62.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL035575.D
Acq: 9 Sep 2020 3:47

Tgt Ion: 114 Resp: 4635705
Ion Ratio Lower Upper
114 100
63 19.0 14.7 22.1
88 17.3 13.4 20.2





#34

2-Butanone

Concen: 0.889 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.01 min

Lab File: VL035575.D

Acq: 9 Sep 2020 3:47

Instrument :

MSVOA_L

ClientSampleId :

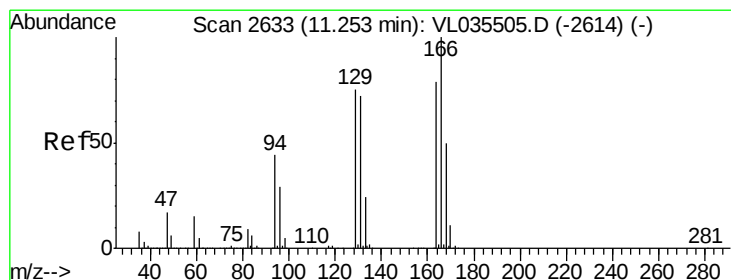
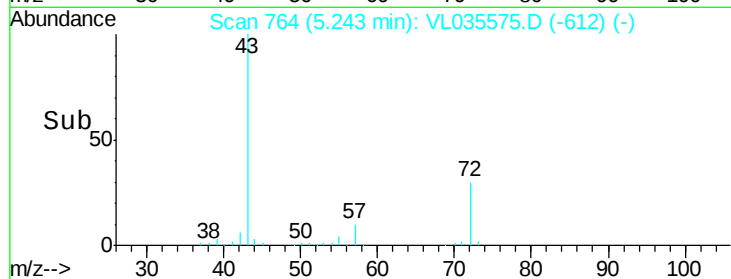
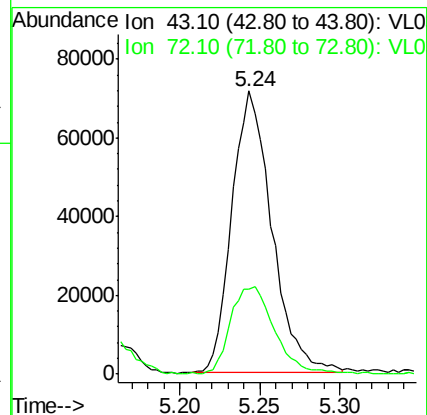
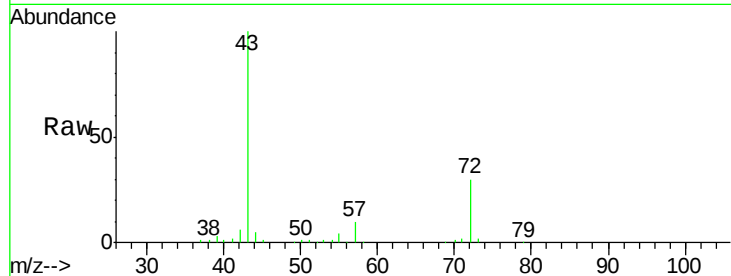
SS-2DL

Tot Ion: 43 Resp: 122239

Ion Ratio Lower Upper

43 100

72 34.5 27.7 41.5



#52

Tetrachloroethene

Concen: 0.033 ppbv m

RT: 11.22 min Scan# 2623

Delta R.T. -0.03 min

Lab File: VL035575.D

Acq: 9 Sep 2020 3:47

Tgt Ion: 164 Resp: 5784

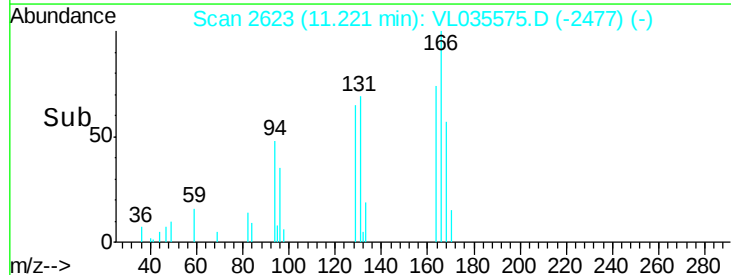
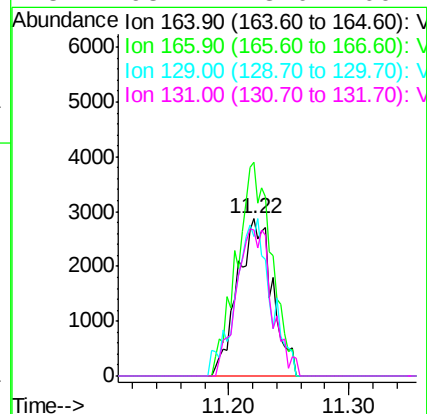
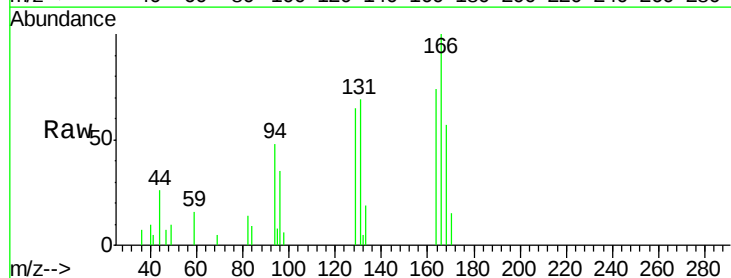
Ion Ratio Lower Upper

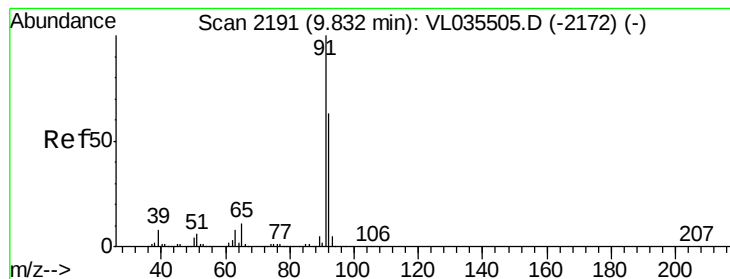
164 100

166 135.8 100.9 151.3

129 89.0 75.3 112.9

131 93.2 73.0 109.4





#53

Toluene

Concen: 0.135 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.03 min

Lab File: VL035575.D

Acq: 9 Sep 2020 3:47

Instrument :

MSVOA_L

ClientSampleId :

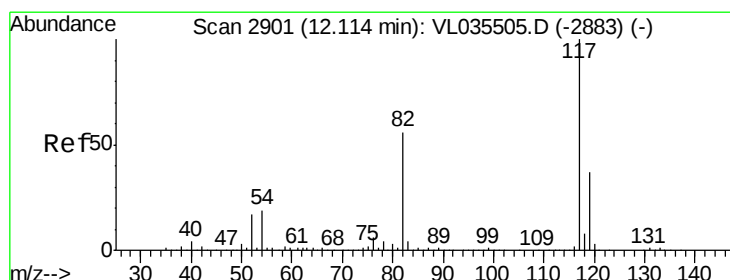
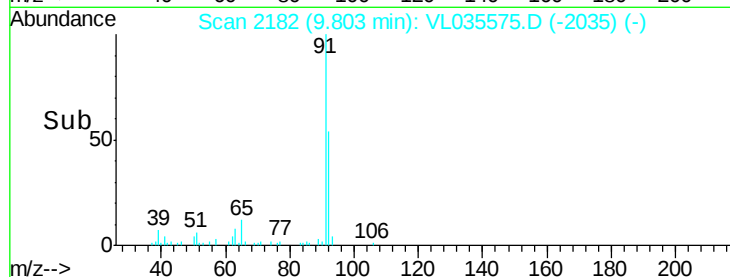
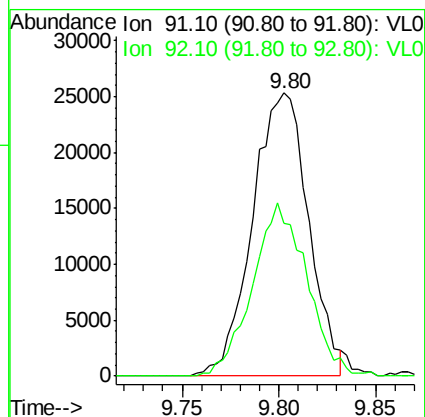
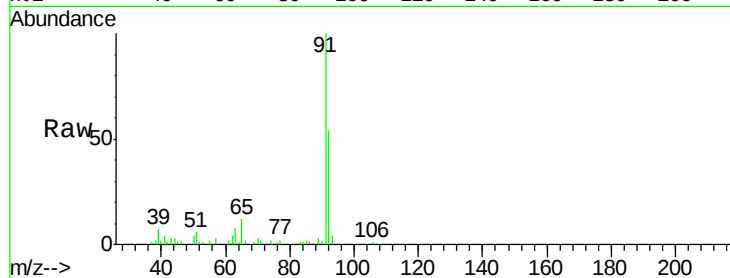
SS-2DL

Tot Ion: 91 Resp: 50946

Ion Ratio Lower Upper

91 100

92 59.2 49.8 74.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.03 min

Lab File: VL035575.D

Acq: 9 Sep 2020 3:47

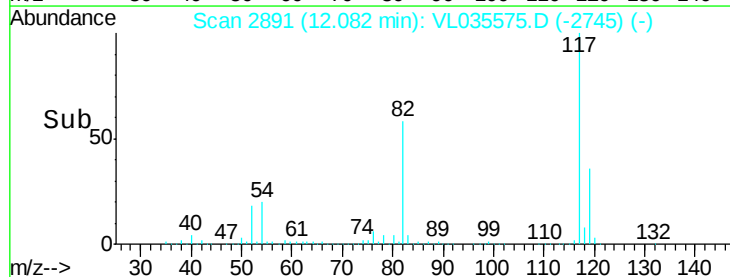
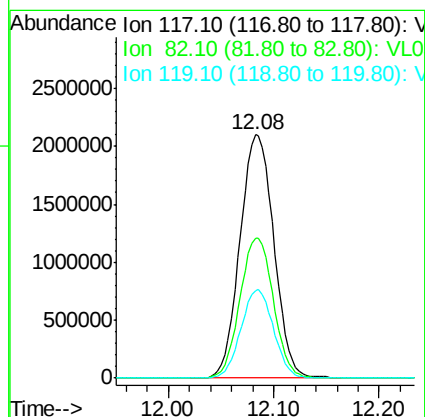
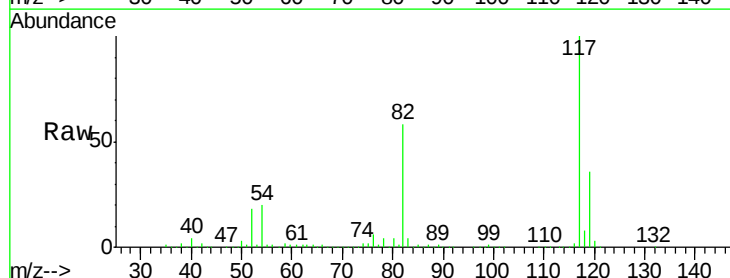
Tgt Ion: 117 Resp: 4710416

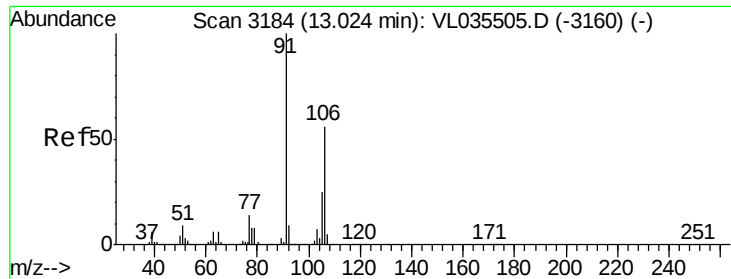
Ion Ratio Lower Upper

117 100

82 57.0 41.6 62.4

119 35.0 29.3 43.9

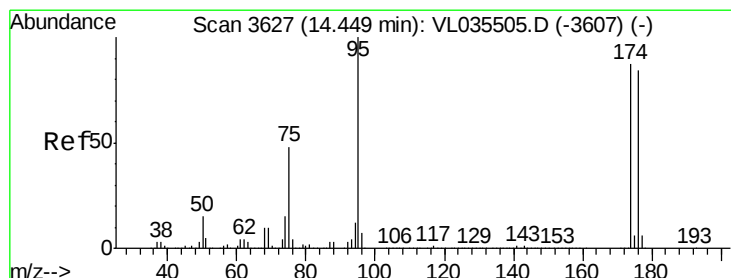
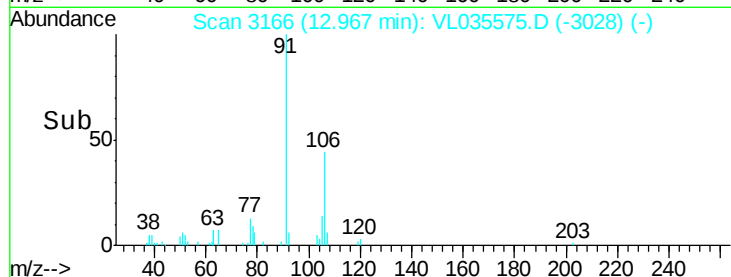
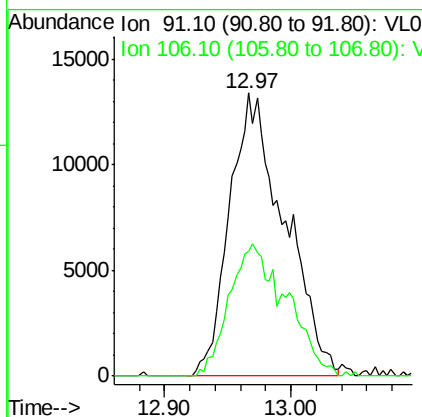
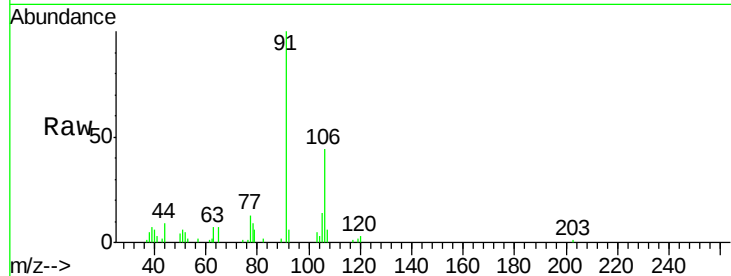




#59
m/p-Xylene
Concen: 0.100 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.06 min
Lab File: VL035575.D
Acq: 9 Sep 2020 3:47

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tot Ion: 91 Resp: 40450
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.548 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.03 min
Lab File: VL035575.D
Acq: 9 Sep 2020 3:47

Tgt Ion: 95 Resp: 3528406
Ion Ratio Lower Upper
95 100
174 81.9 69.6 104.4
175 5.9 5.1 7.7

