

Data File : VL035670.D
Acq On : 17 Sep 2020 23:53
Operator : SY/AP
Sample : L3983-05DL2 600X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

Quant Time: Sep 18 02:35:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1091315	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4197158	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4162050	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.44 95 3030762 10.25 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 102.50%

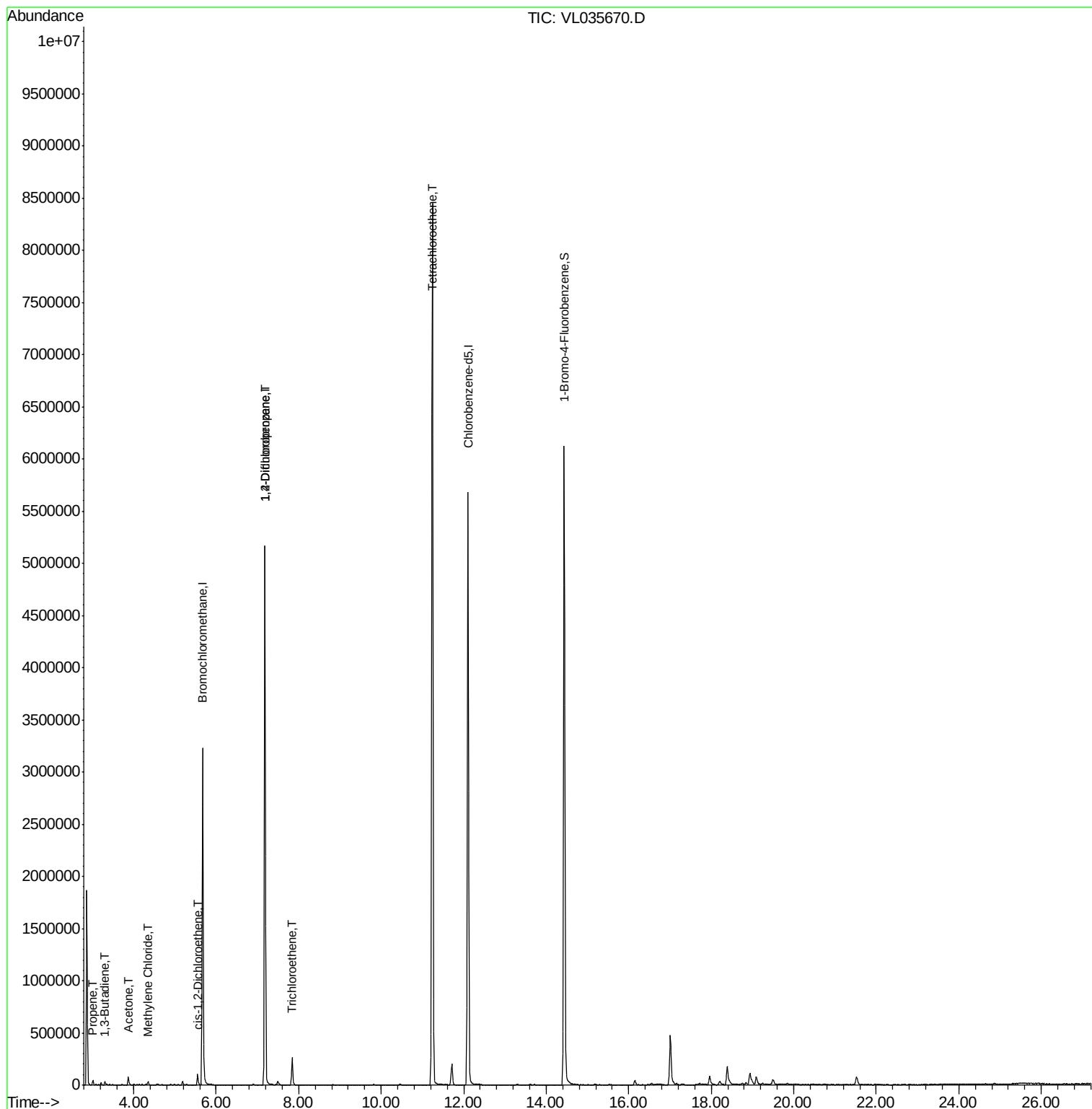
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.00	41	17782	0.382	ppbv	97
15) Acetone	3.87	43	65433	0.544	ppbv #	82
16) 1,3-Butadiene	3.30	39	8008	0.179	ppbv #	14
20) Methylene Chloride	4.35	84	14589	0.163	ppbv	85
31) cis-1,2-Dichloroethene	5.55	61	49477	0.400	ppbv	84
38) Trichloroethene	7.84	130	93667	0.594	ppbv	95
39) 1,2-Dichloropropane	7.18	63	797697	8.691	ppbv #	33
52) Tetrachloroethene	11.24	164	2404191	15.147	ppbv	97

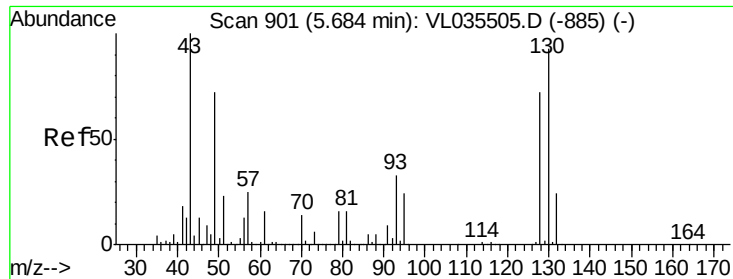
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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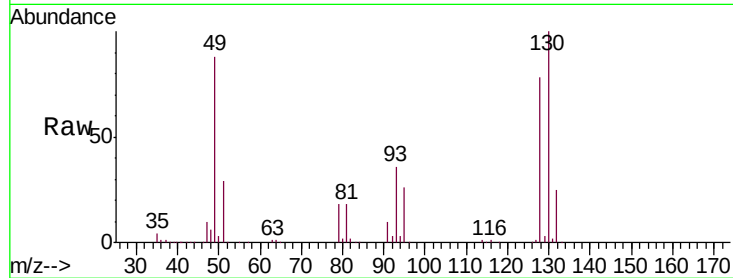
Tgt Ion: 49 Resp: 1091315

Ion Ratio Lower Upper

49 100

128 89.4 50.0 150.1

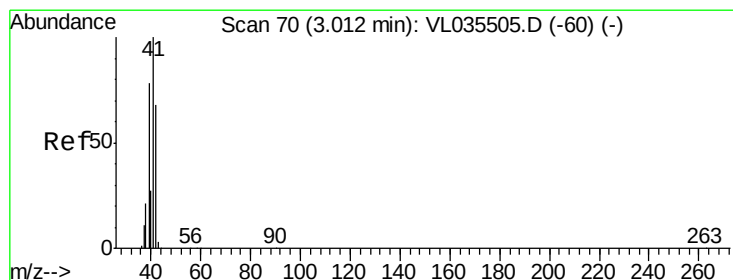
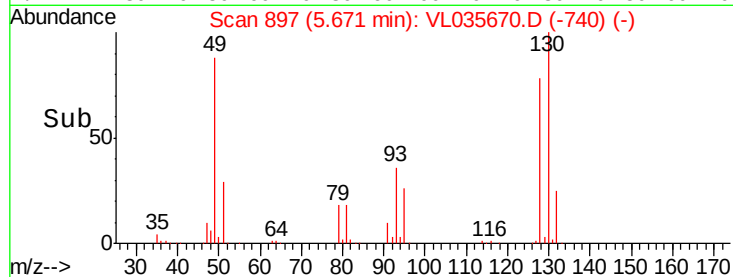
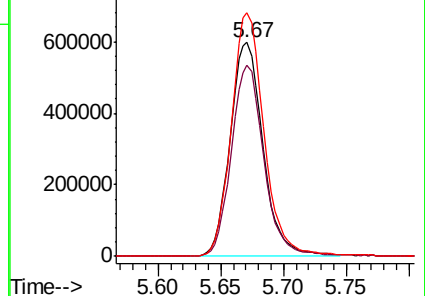
130 113.6 64.4 193.2



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: 0.382 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL035670.D

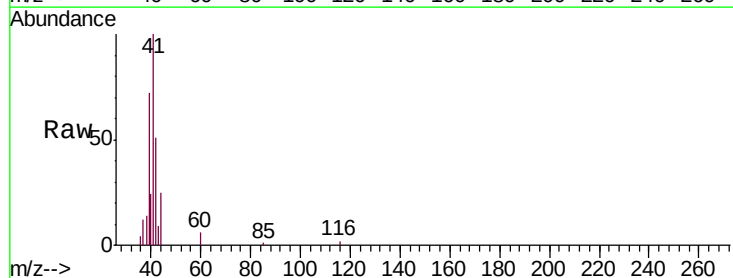
Acq: 17 Sep 2020 23:53

Tgt Ion: 41 Resp: 17782

Ion Ratio Lower Upper

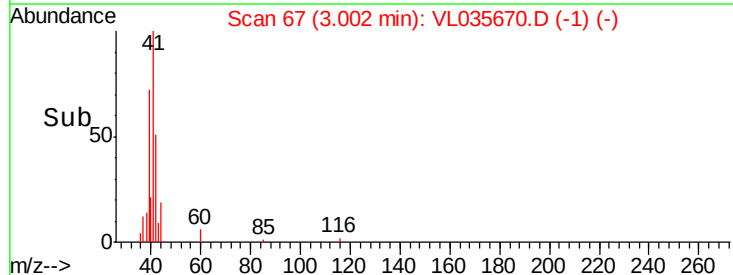
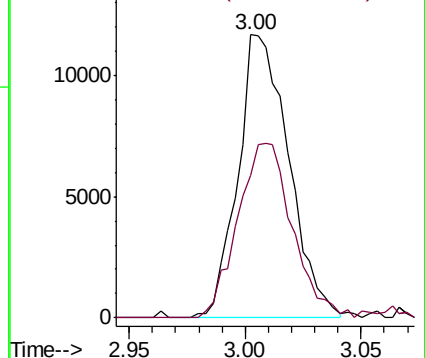
41 100

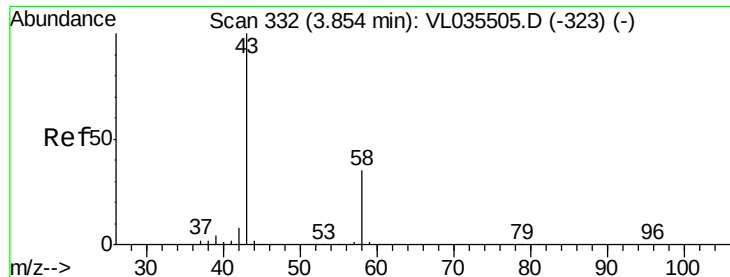
42 68.2 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.544 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.03 min

Lab File: VL035670.D

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Instrument :

MSVOA_L

ClientSampleId :

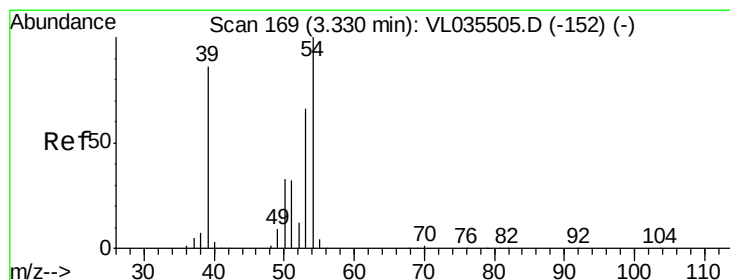
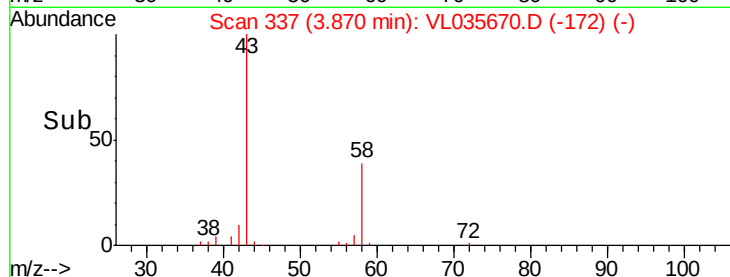
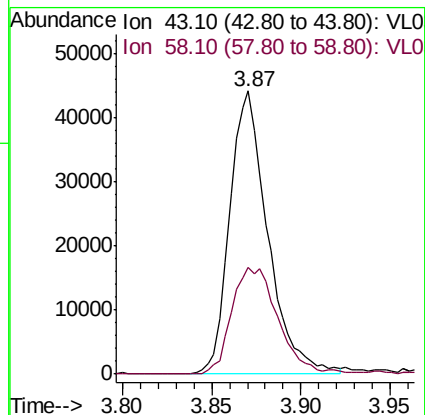
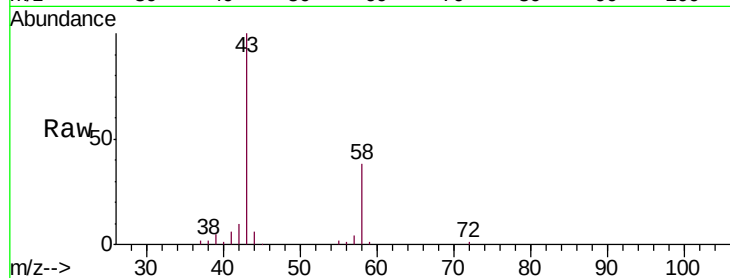
SV-11ADL2

Tgt Ion: 43 Resp: 65433

Ion Ratio Lower Upper

43 100

58 46.0 28.4 42.6#



#16

1,3-Butadiene

Concen: 0.179 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL035670.D

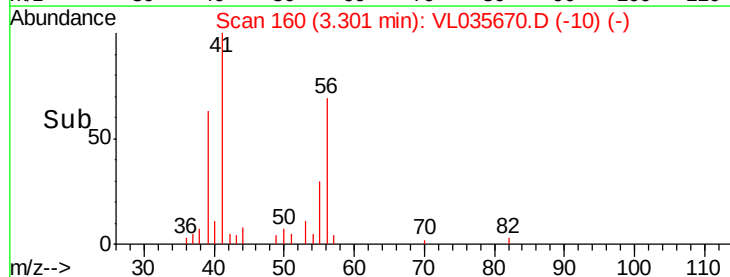
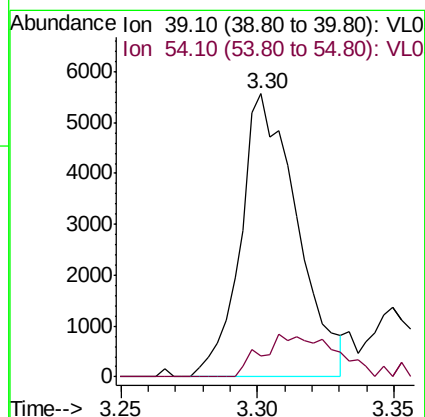
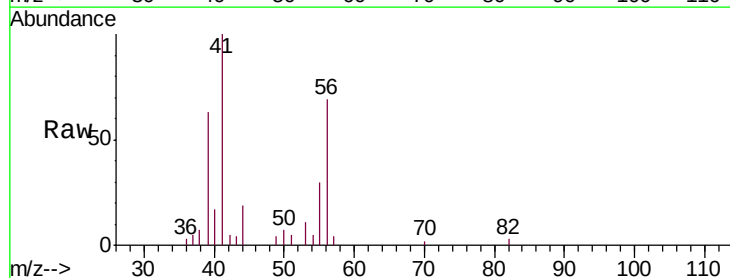
Acq: 17 Sep 2020 23:53

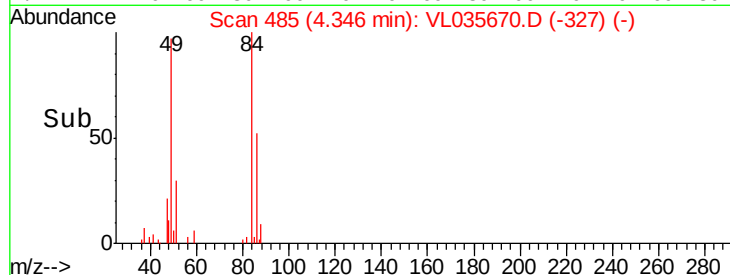
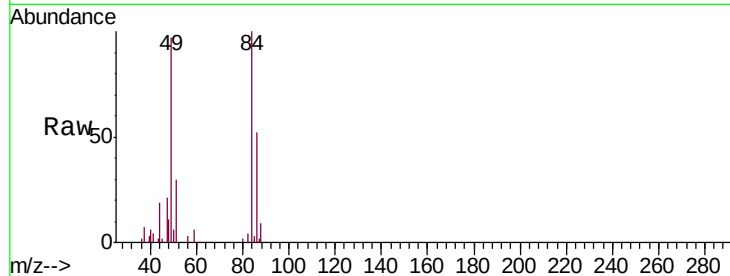
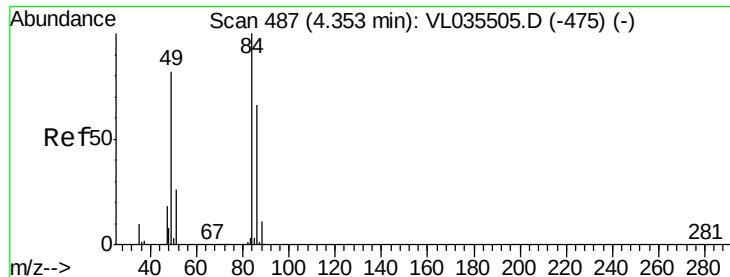
Tgt Ion: 39 Resp: 8008

Ion Ratio Lower Upper

39 100

54 19.8 88.4 132.6#





#20

Methylene Chloride

Concen: 0.163 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL035670.D

Acq: 17 Sep 2020 23:53

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

Tgt Ion: 84 Resp: 14589

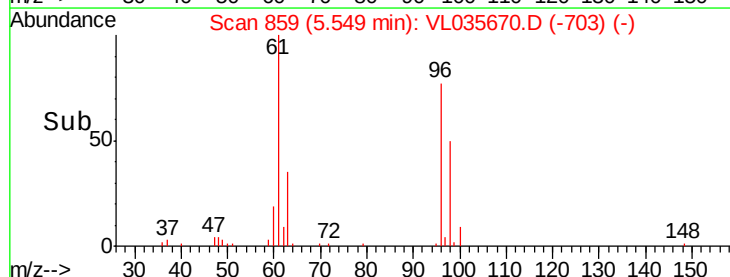
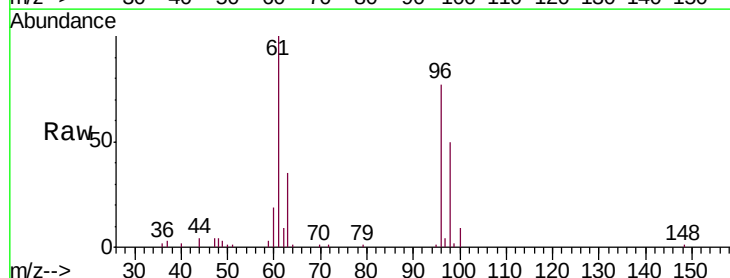
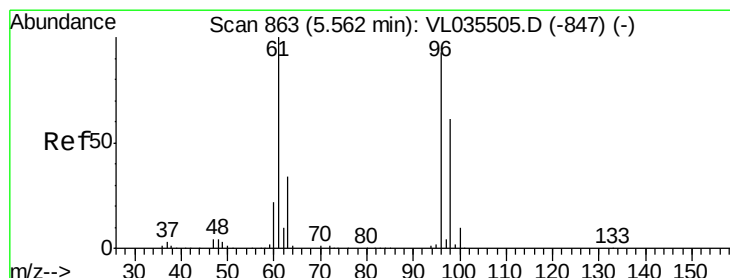
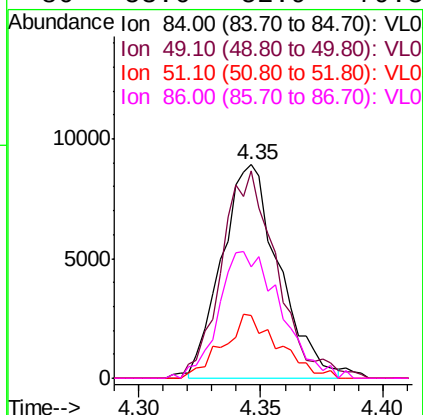
Ion Ratio Lower Upper

84 100

49 96.1 65.4 98.0

51 30.4 21.5 32.3

86 53.6 52.9 79.3



#31

cis-1,2-Dichloroethene

Concen: 0.400 ppbv

RT: 5.55 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL035670.D

Acq: 17 Sep 2020 23:53

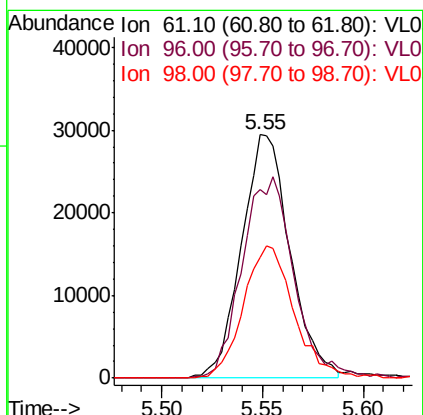
Tgt Ion: 61 Resp: 49477

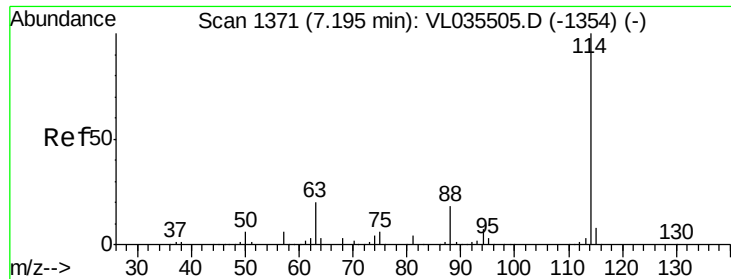
Ion Ratio Lower Upper

61 100

96 77.2 74.4 111.6

98 49.8 49.2 73.8

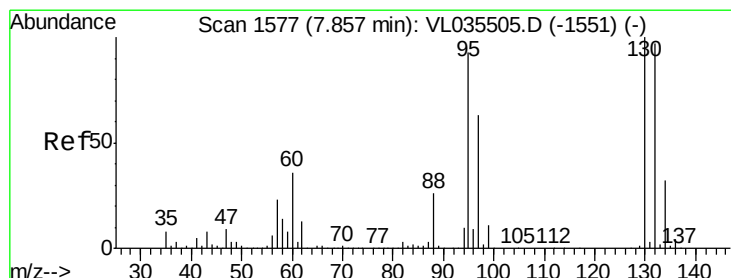
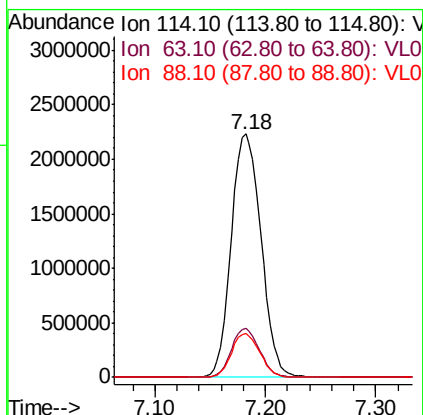
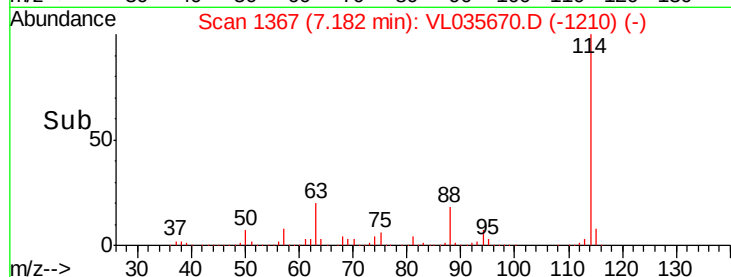
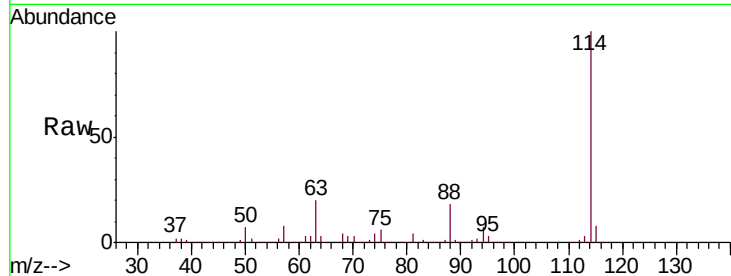




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035670.D
 Acq: 17 Sep 2020 23:53

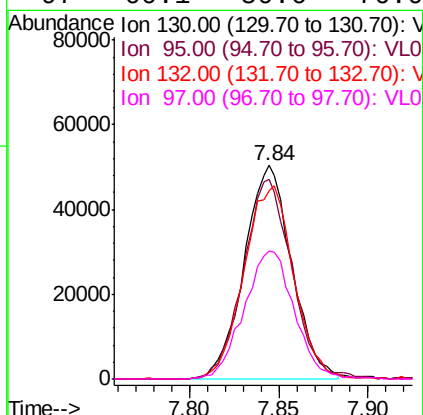
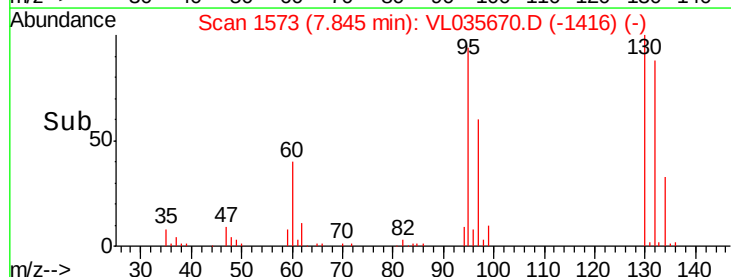
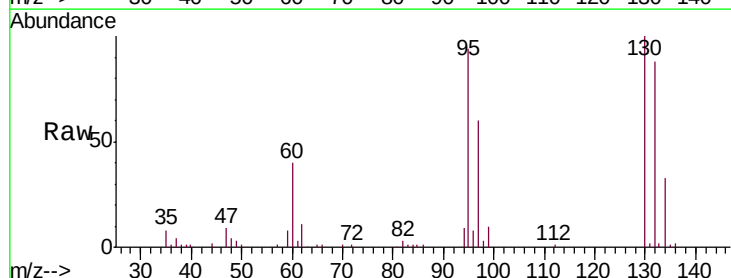
Instrument :
 MSVOA_L
 ClientSampleID :
 SV-11ADL2

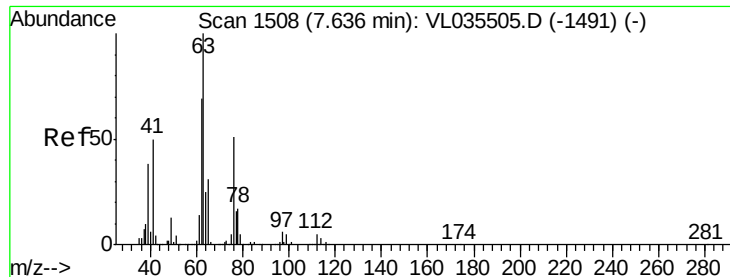
Tgt Ion:114 Resp: 4197158
 Ion Ratio Lower Upper
 114 100
 63 19.1 14.7 22.1
 88 17.2 13.4 20.2



#38
 Trichloroethene
 Concen: 0.594 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL035670.D
 Acq: 17 Sep 2020 23:53

Tgt Ion:130 Resp: 93667
 Ion Ratio Lower Upper
 130 100
 95 93.8 74.6 112.0
 132 88.4 77.6 116.4
 97 60.1 50.6 76.0





#39

1,2-Dichloropropane

Concen: 8.691 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL035670.D

Acq: 17 Sep 2020 23:53

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

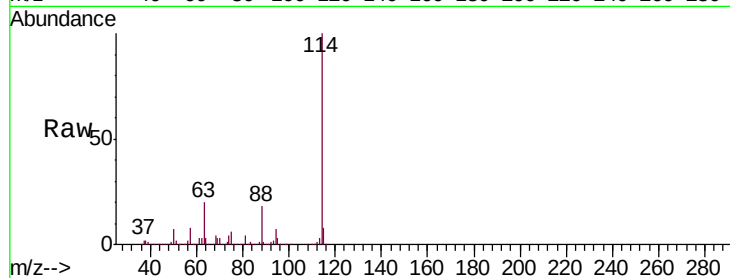
Tgt Ion: 63 Resp: 797697

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

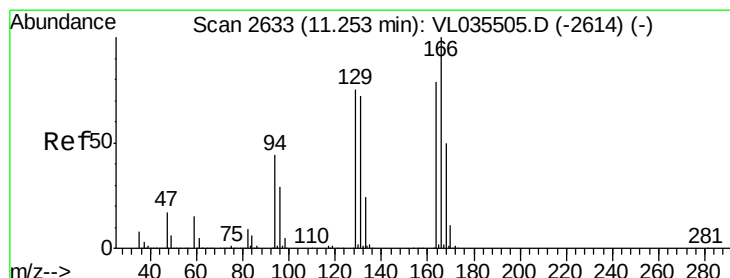
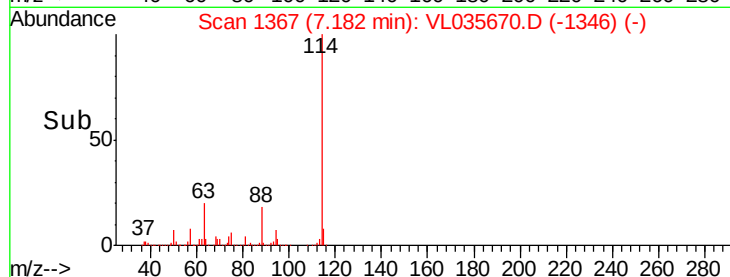
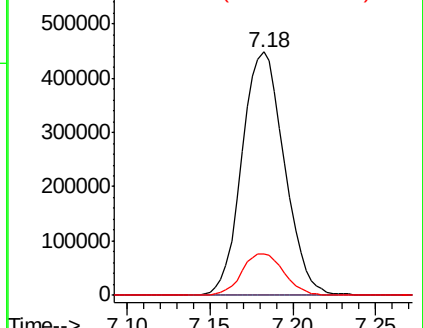
62 17.2 55.4 83.0#



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



#52

Tetrachloroethene

Concen: 15.147 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. 0.01 min

Lab File: VL035670.D

Acq: 17 Sep 2020 23:53

Tgt Ion: 164 Resp: 2404191

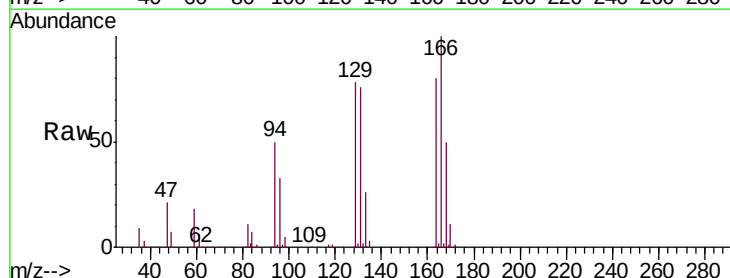
Ion Ratio Lower Upper

164 100

166 124.9 100.9 151.3

129 98.0 75.3 112.9

131 95.3 73.0 109.4

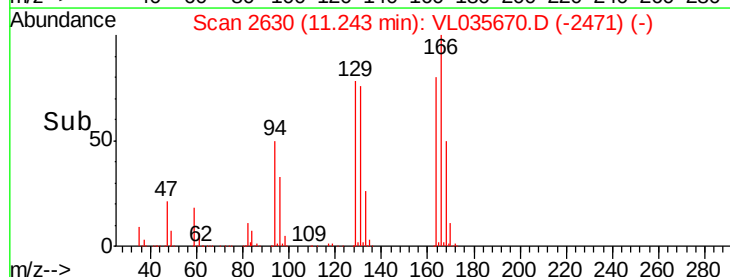
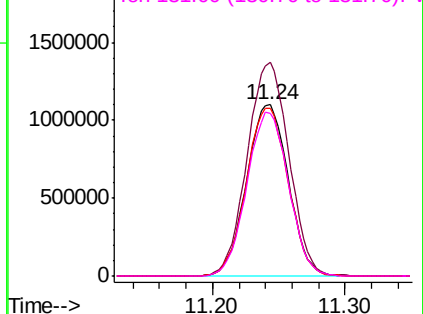


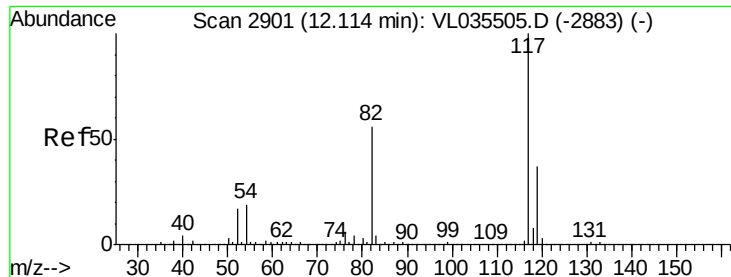
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

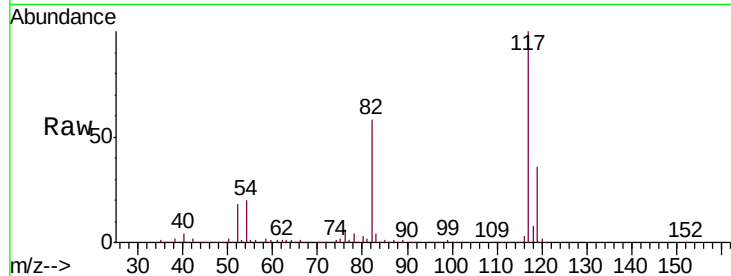




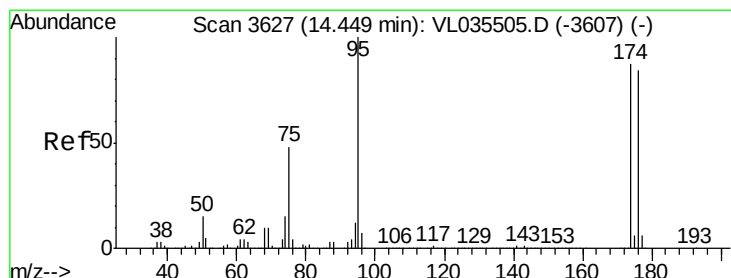
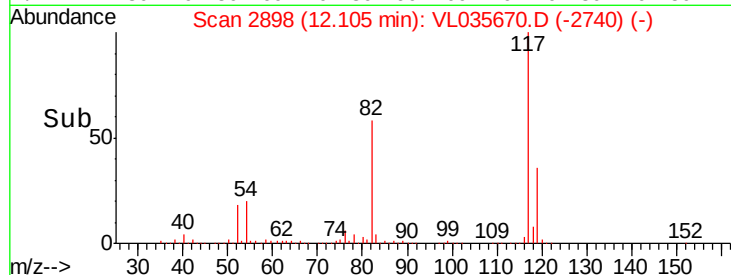
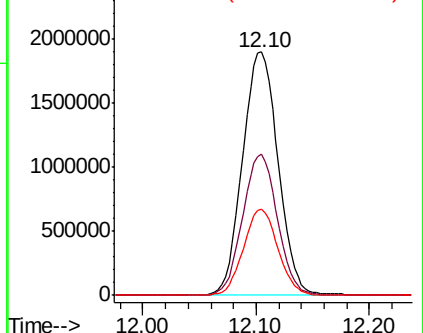
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL035670.D
Acq: 17 Sep 2020 23:53

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

Tgt Ion: 117 Resp: 4162050
Ion Ratio Lower Upper
117 100
82 57.0 41.6 62.4
119 34.5 29.3 43.9

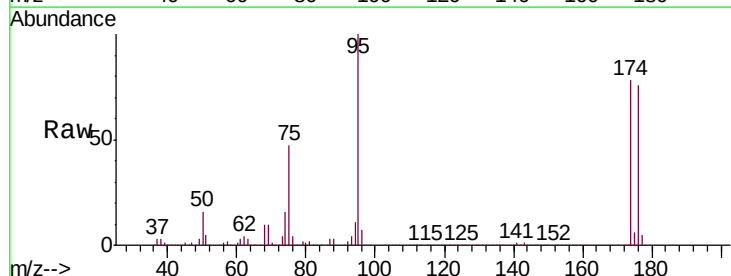


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.254 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.01 min
Lab File: VL035670.D
Acq: 17 Sep 2020 23:53

Tgt Ion: 95 Resp: 3030762
Ion Ratio Lower Upper
95 100
174 79.4 69.6 104.4
175 5.7 5.1 7.7



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

