

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035689.D
 Acq On : 21 Sep 2020 17:07
 Operator : SY/AP
 Sample : L3983-02DL2 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Quant Time: Sep 22 01:28:47 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	5.64	49	1146662	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4346044	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4370661	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3232936	10.42	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

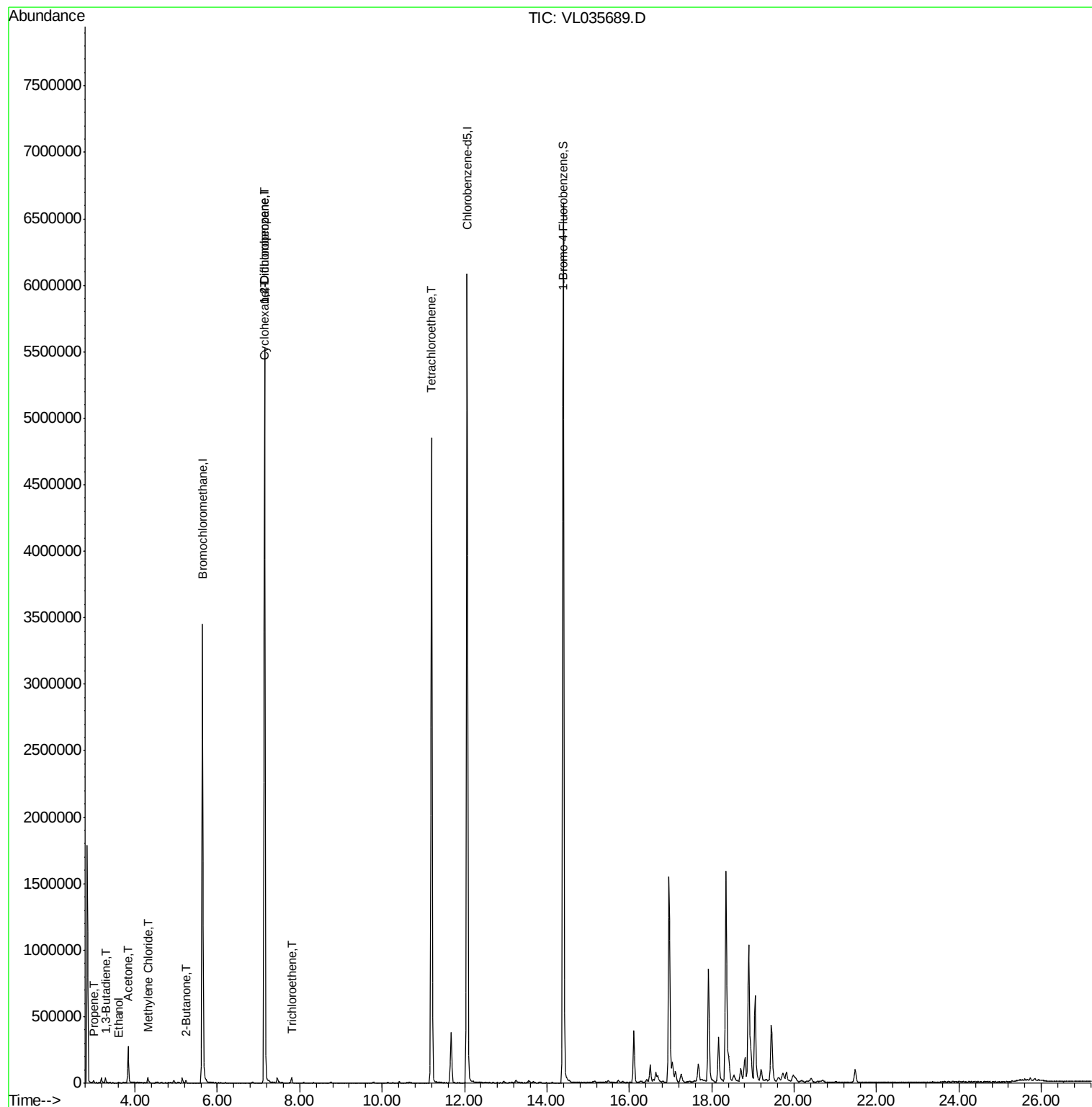
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	2663	0.054	ppbv #	50
13) Ethanol	3.59	45	541	0.045	ppbv #	37
15) Acetone	3.83	43	268177	2.121	ppbv	97
16) 1,3-Butadiene	3.29	39	8284	0.176	ppbv #	9
20) Methylene Chloride	4.31	84	17614	0.187	ppbv #	87
30) Cyclohexane	7.13	84	5966	0.044	ppbv #	9
34) 2-Butanone	5.23	43	11350	0.088	ppbv #	40
38) Trichloroethene	7.80	130	8083	0.049	ppbv	93
39) 1,2-Dichloropropane	7.15	63	853746	8.984	ppbv #	32
52) Tetrachloroethene	11.20	164	1327719	8.079	ppbv	97

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

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Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL035689.D

Acq: 21 Sep 2020 17:07

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL

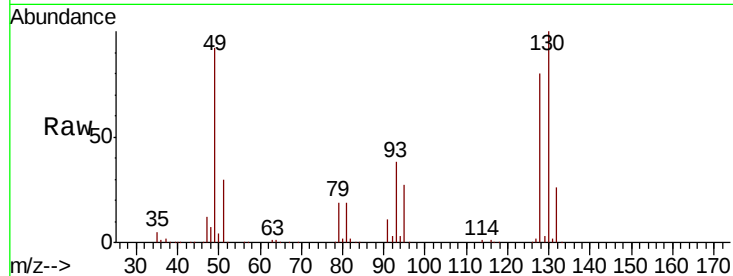
Tot Ion: 49 Resp: 1146662

Ion Ratio Lower Upper

49 100

128 87.2 50.0 150.1

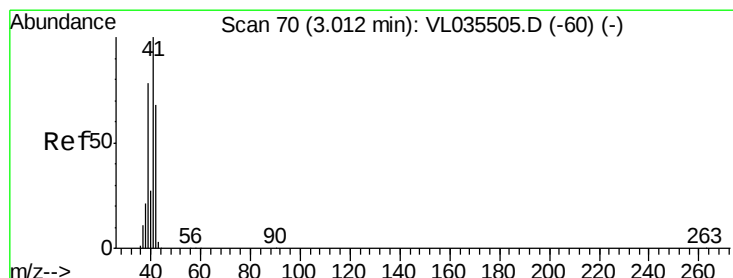
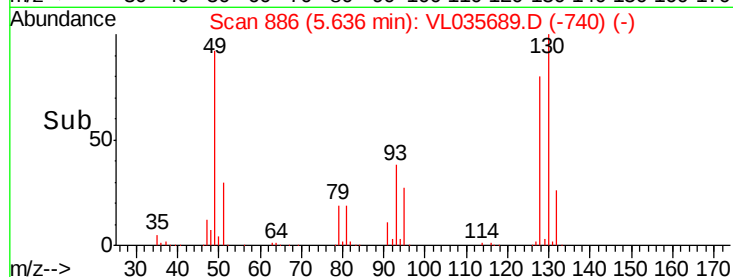
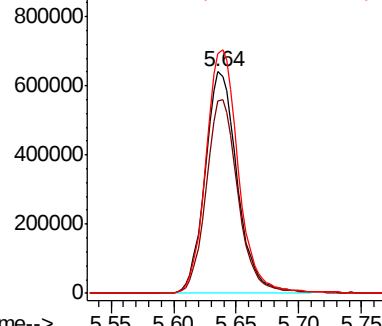
130 111.6 64.4 193.2



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: 0.054 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL035689.D

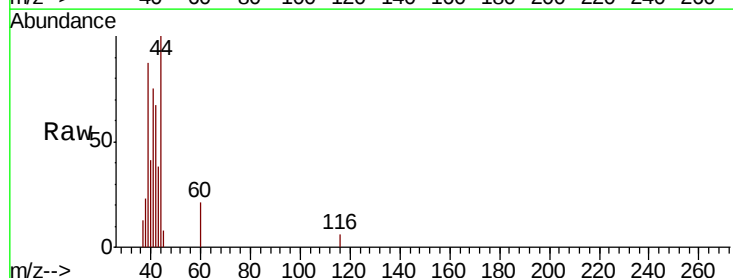
Acq: 21 Sep 2020 17:07

Tgt Ion: 41 Resp: 2663

Ion Ratio Lower Upper

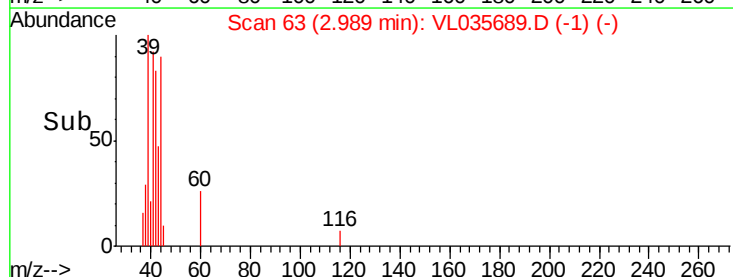
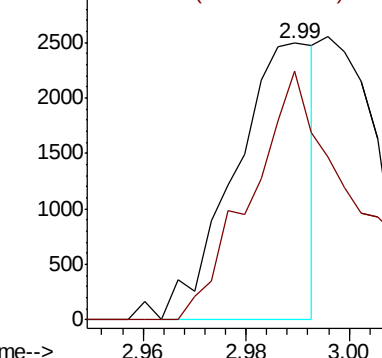
41 100

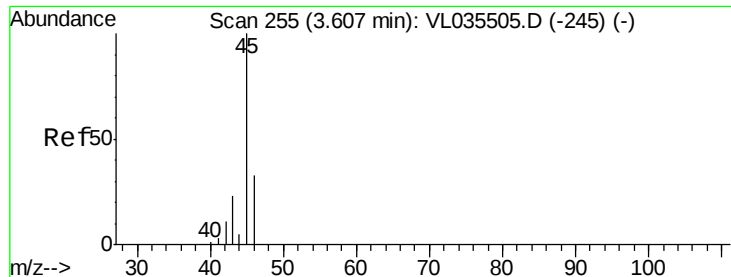
42 111.2 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

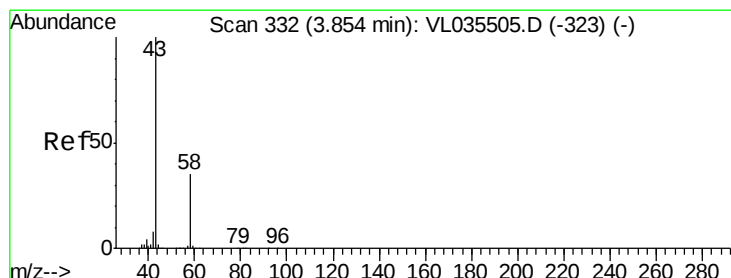
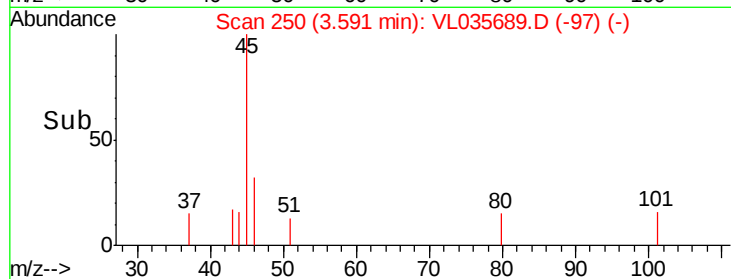
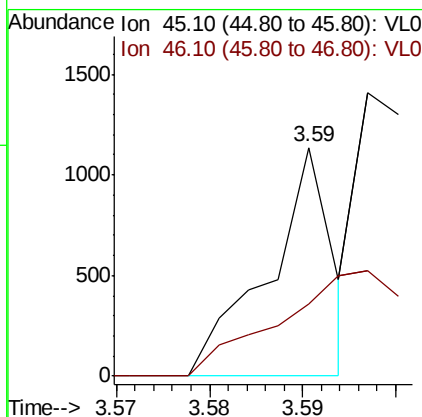
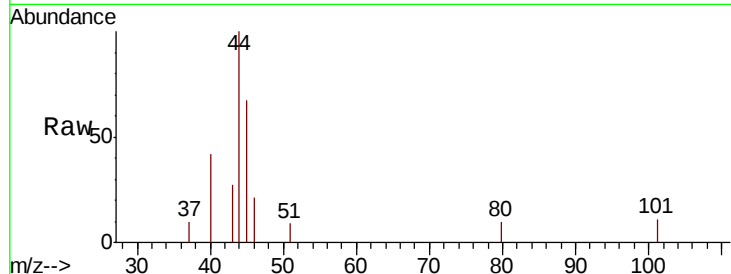




#13
Ethanol
Concen: 0.045 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.01 min
Lab File: VL035689.D
Acq: 21 Sep 2020 17:07

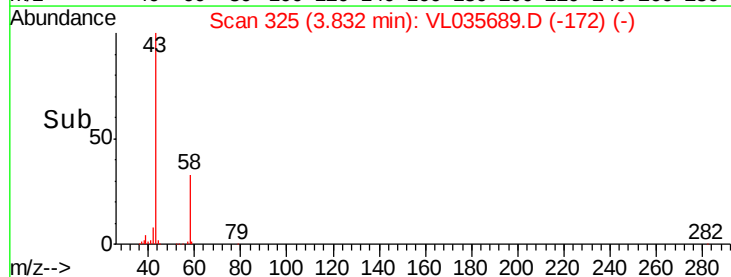
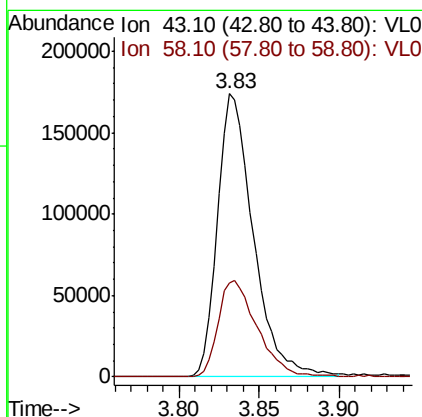
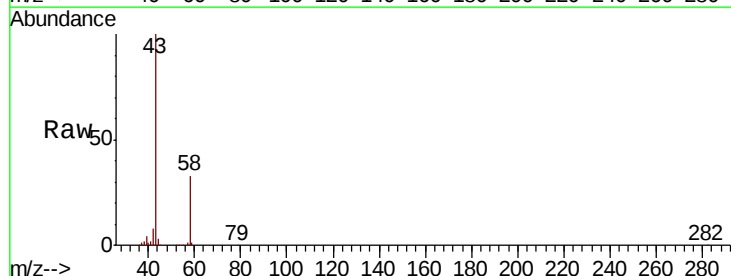
Instrument :
MSVOA_L
ClientSampled :
SV-7DL

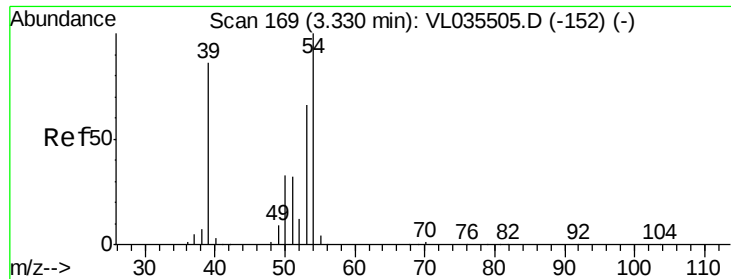
Tot Ion: 45 Resp: 541
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.6#



#15
Acetone
Concen: 2.121 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL035689.D
Acq: 21 Sep 2020 17:07

Tgt Ion: 43 Resp: 268177
Ion Ratio Lower Upper
43 100
58 37.5 28.4 42.6

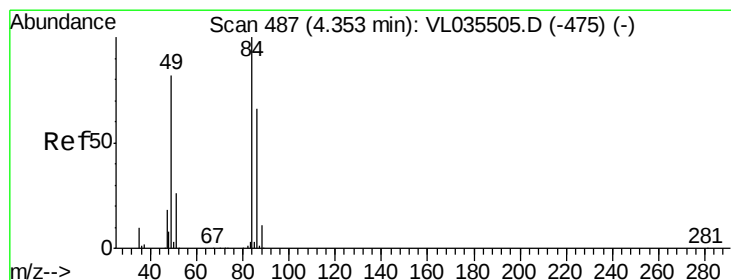
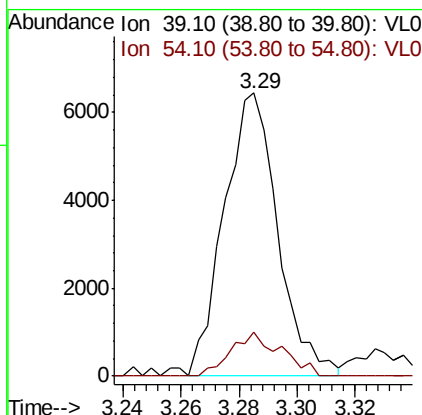
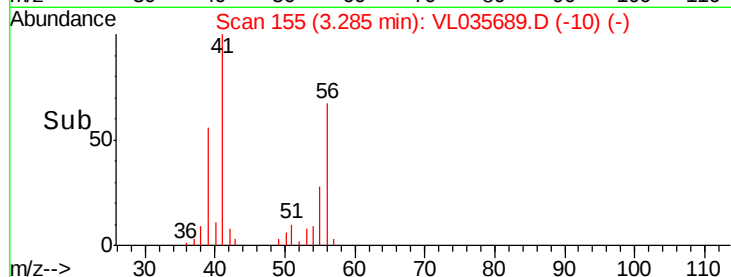
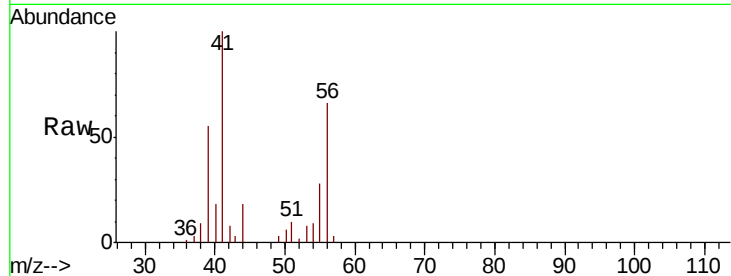




#16
 1,3-Butadiene
 Concen: 0.176 ppbv
 RT: 3.29 min Scan# 155
 Delta R.T. -0.03 min
 Lab File: VL035689.D
 Acq: 21 Sep 2020 17:07

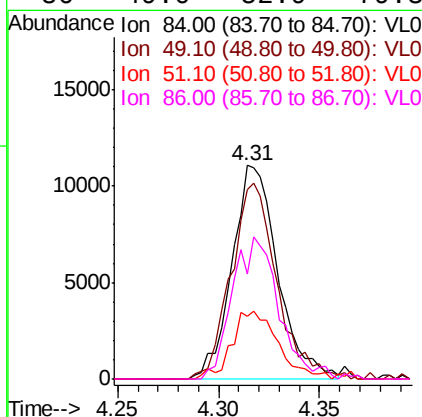
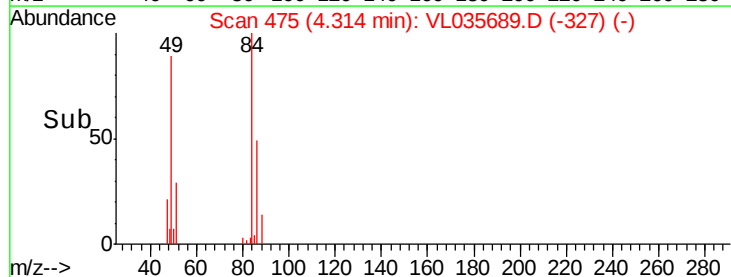
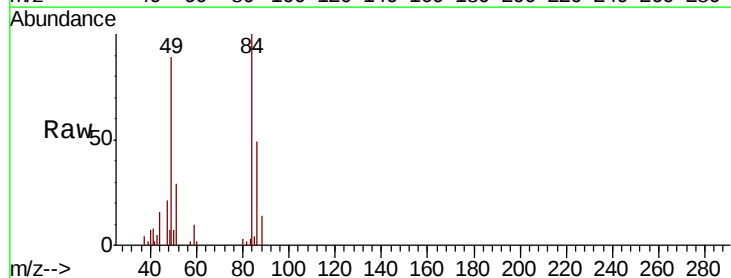
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

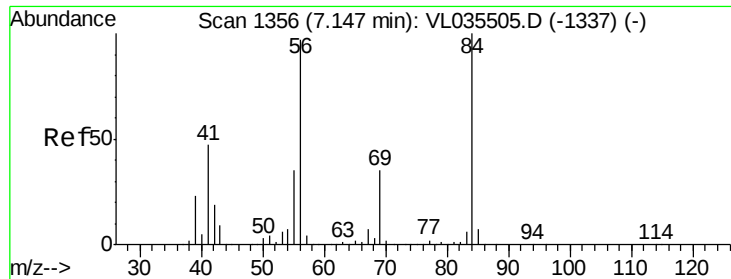
Tot Ion: 39 Resp: 8284
 Ion Ratio Lower Upper
 39 100
 54 14.5 88.4 132.6#



#20
 Methylene Chloride
 Concen: 0.187 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. -0.02 min
 Lab File: VL035689.D
 Acq: 21 Sep 2020 17:07

Tgt Ion: 84 Resp: 17614
 Ion Ratio Lower Upper
 84 100
 49 88.8 65.4 98.0
 51 29.2 21.5 32.3
 86 49.0 52.9 79.3#

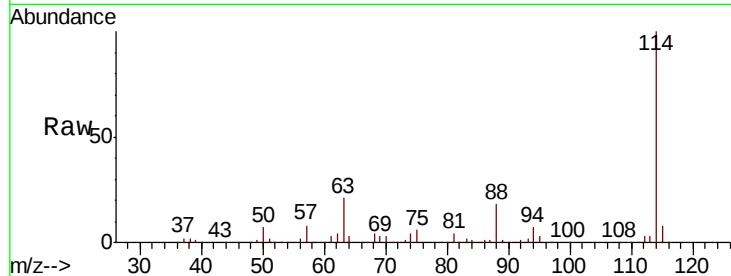




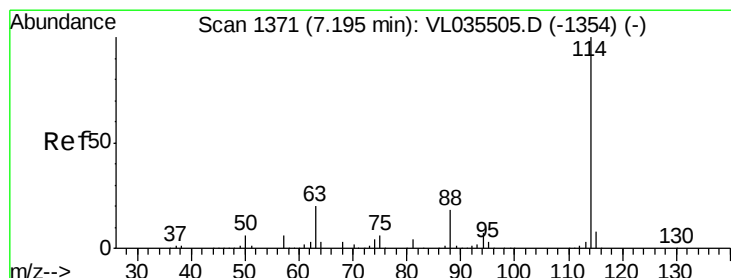
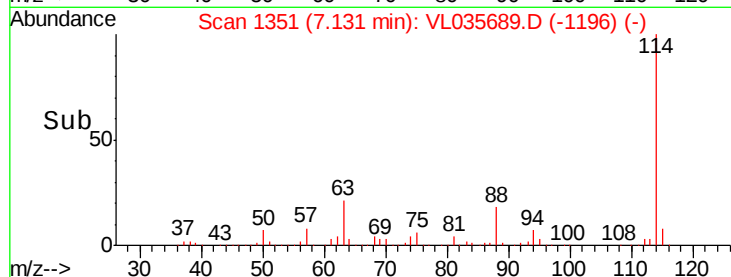
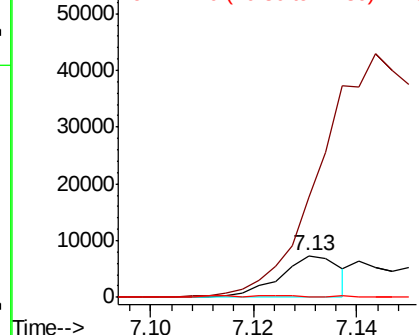
#30
Cvclohexane
Concen: 0.044 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035689.D
Acq: 21 Sep 2020 17:07

Instrument :
MSVOA_L
ClientSampled :
SV-7DL

Tot Ion: 84 Resp: 5966
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 0.0 38.1 57.1#

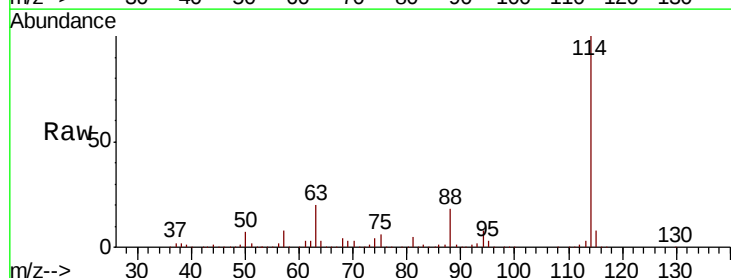


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

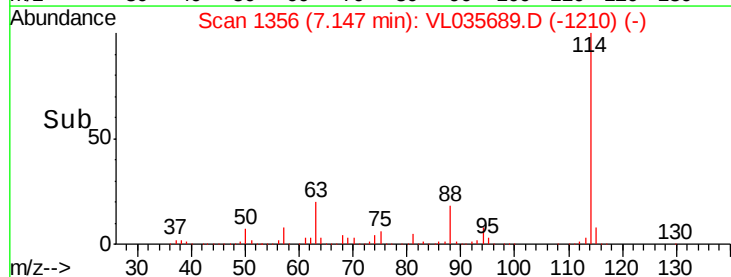
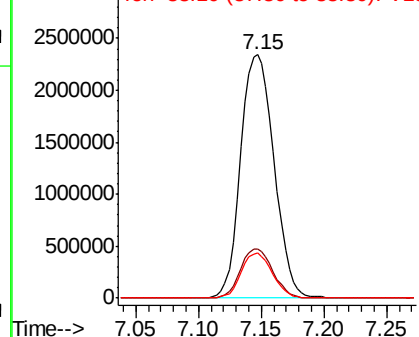


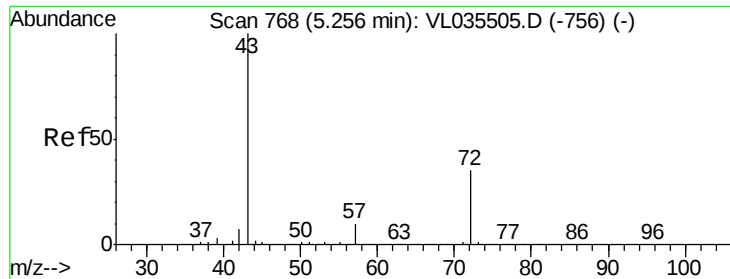
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL035689.D
Acq: 21 Sep 2020 17:07

Tgt Ion: 114 Resp: 4346044
Ion Ratio Lower Upper
114 100
63 19.7 14.7 22.1
88 17.4 13.4 20.2



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

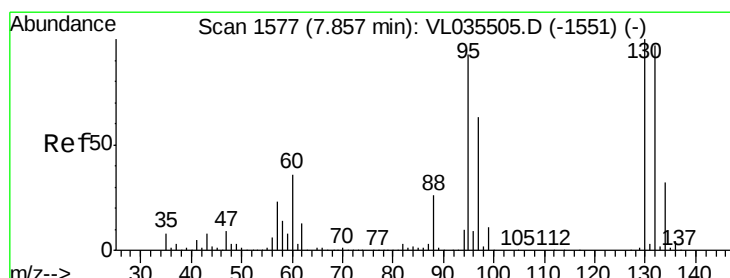
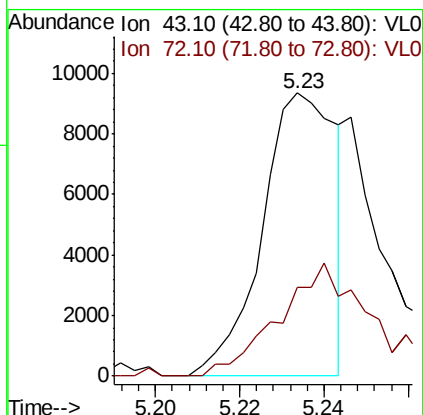
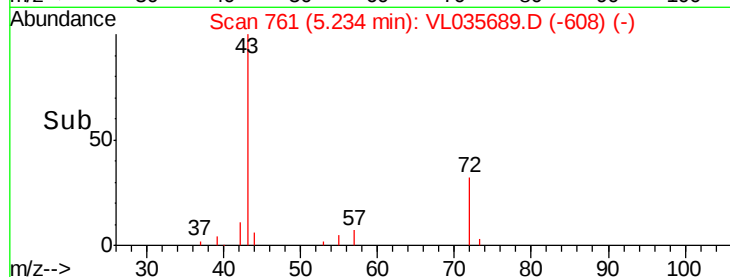
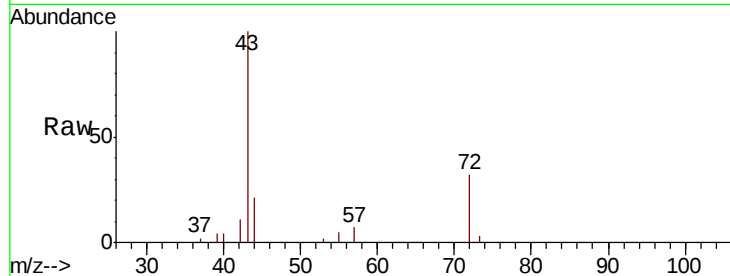




#34
2-Butanone
Concen: 0.088 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.01 min
Lab File: VL035689.D
Acq: 21 Sep 2020 17:07

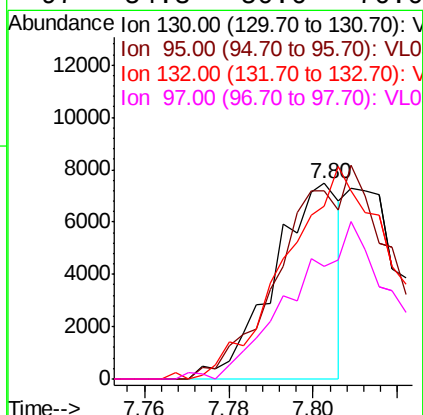
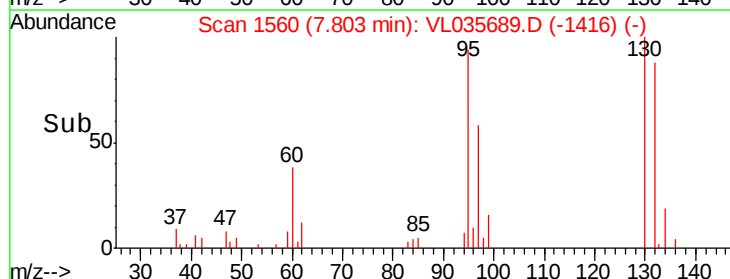
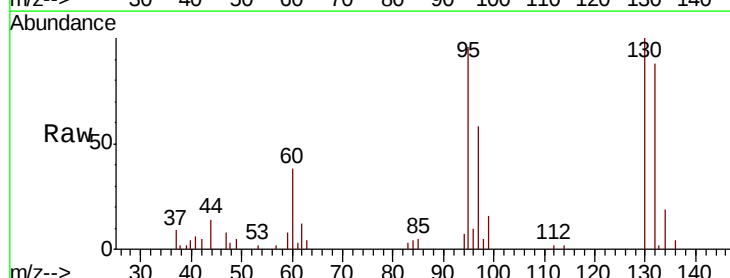
Instrument :
MSVOA_L
ClientSampleId :
SV-7DL

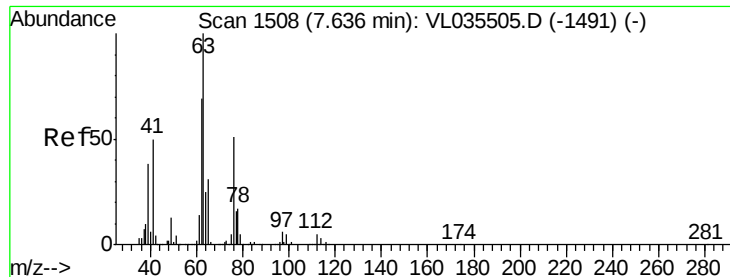
Tot Ion: 43 Resp: 11350
Ion Ratio Lower Upper
43 100
72 0.0 27.7 41.5#



#38
Trichloroethene
Concen: 0.049 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.04 min
Lab File: VL035689.D
Acq: 21 Sep 2020 17:07

Tgt Ion:130 Resp: 8083
Ion Ratio Lower Upper
130 100
95 96.2 74.6 112.0
132 88.2 77.6 116.4
97 54.3 50.6 76.0





#39

1,2-Dichloropropane

Concen: 8.984 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.47 min

Lab File: VL035689.D

Acq: 21 Sep 2020 17:07

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL

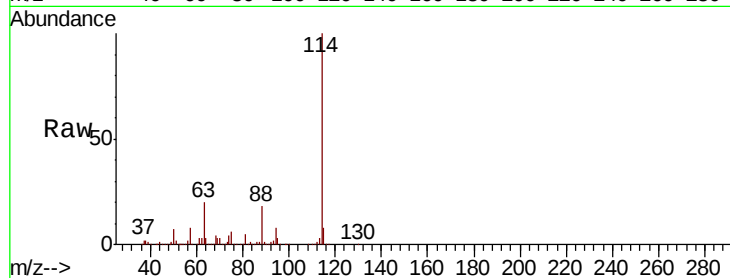
Tot Ion: 63 Resp: 853746

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

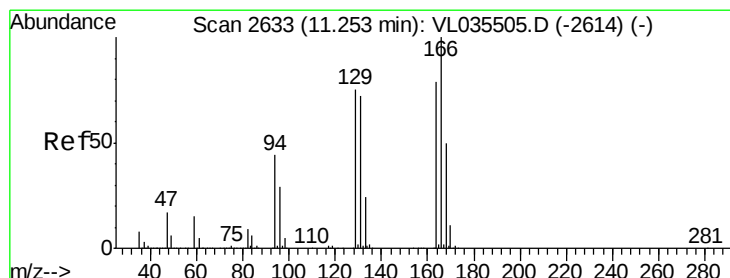
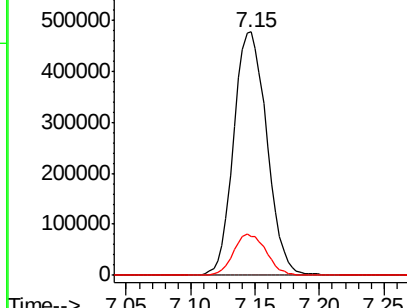
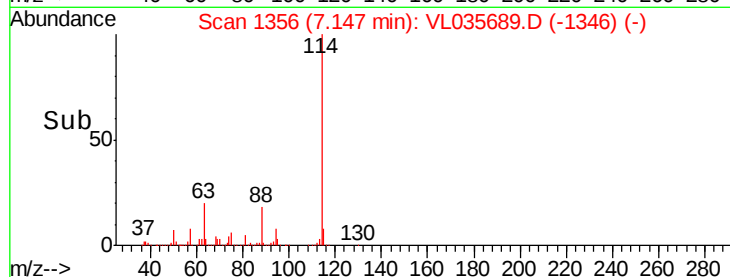
62 16.0 55.4 83.0#



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: 8.079 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.03 min

Lab File: VL035689.D

Acq: 21 Sep 2020 17:07

Tgt Ion: 164 Resp: 1327719

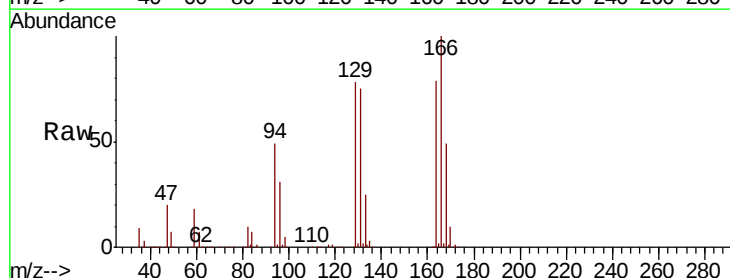
Ion Ratio Lower Upper

164 100

166 126.9 100.9 151.3

129 99.6 75.3 112.9

131 94.6 73.0 109.4

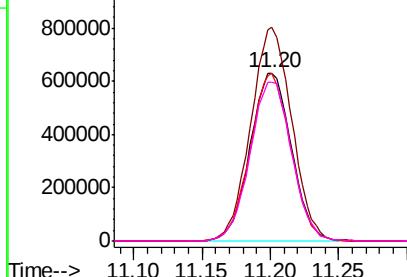
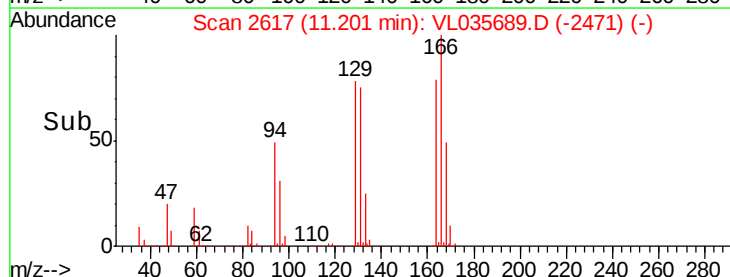


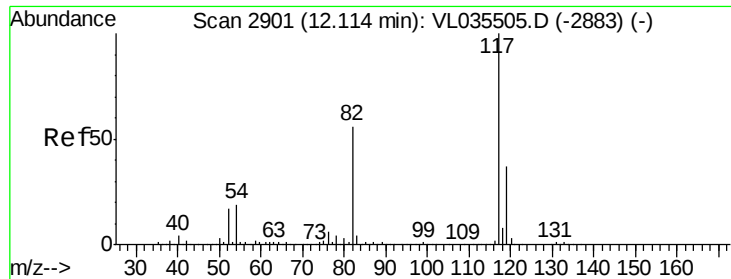
Abundance Ion 163.90 (163.60 to 164.60): V

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

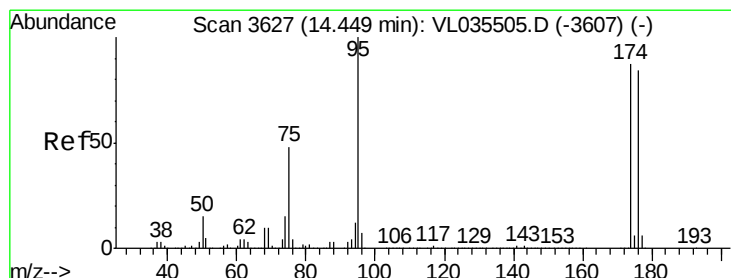
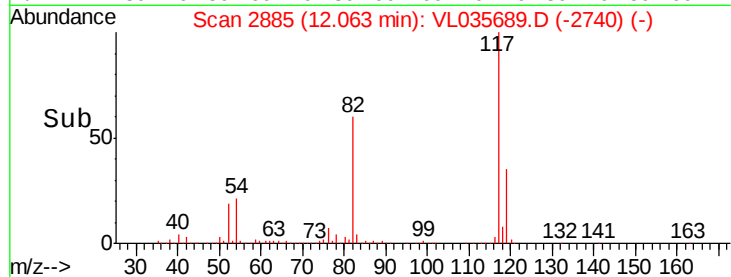
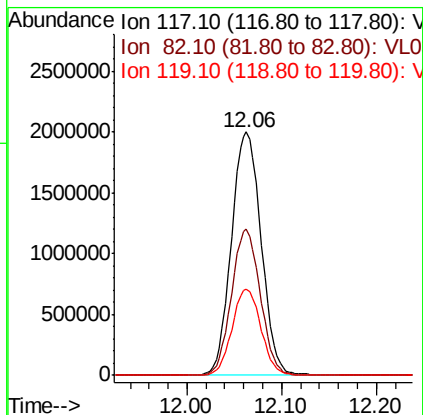
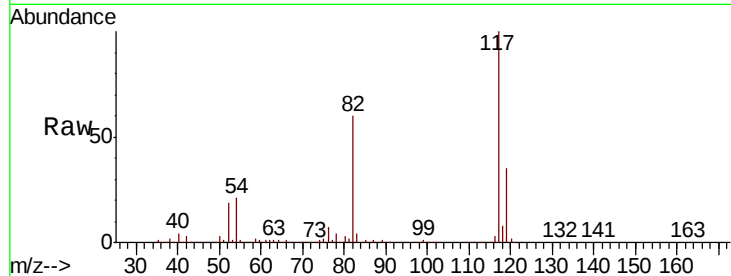




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL035689.D
Acq: 21 Sep 2020 17:07

Instrument :
MSVOA_L
ClientSampled :
SV-7DL

Tot Ion:117 Resp: 4370661
Ion Ratio Lower Upper
117 100
82 58.2 41.6 62.4
119 34.7 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.416 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL035689.D
Acq: 21 Sep 2020 17:07

Tgt Ion: 95 Resp: 3232936
Ion Ratio Lower Upper
95 100
174 77.8 69.6 104.4
175 5.6 5.1 7.7

