

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035688.D
 Acq On : 21 Sep 2020 16:28
 Operator : SY/AP
 Sample : L3983-02DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Quant Time: Sep 22 01:28:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1038259	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3979275	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4045886	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3018508	10.51	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

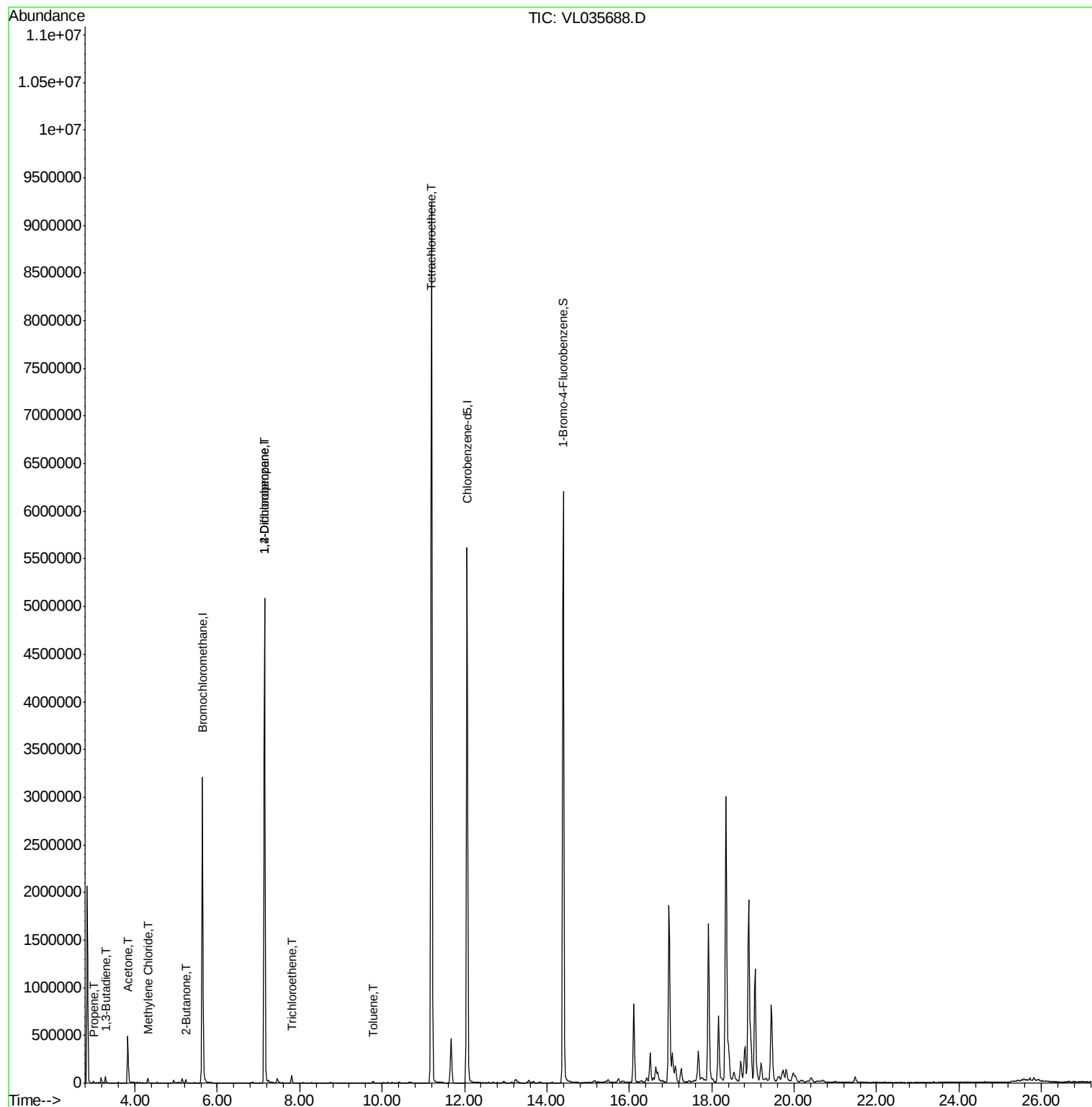
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	5279	0.119	ppbv	96
15) Acetone	3.83	43	485400	4.239	ppbv	98
16) 1,3-Butadiene	3.28	39	14422	0.338	ppbv #	9
20) Methylene Chloride	4.32	84	17949	0.210	ppbv	92
34) 2-Butanone	5.24	43	30794	0.261	ppbv	94
38) Trichloroethene	7.80	130	27290	0.182	ppbv	94
39) 1,2-Dichloropropane	7.15	63	768192	8.828	ppbv #	32
52) Tetrachloroethene	11.20	164	2559722	17.010	ppbv	96
53) Toluene	9.77	91	16230	0.050	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
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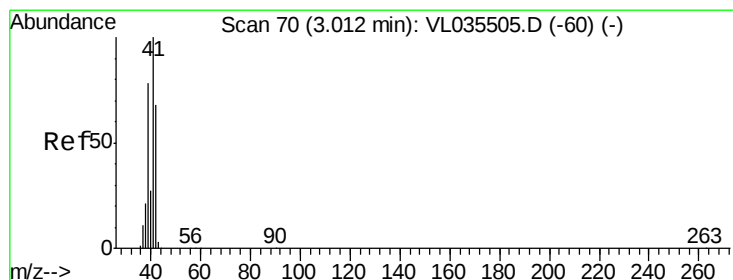
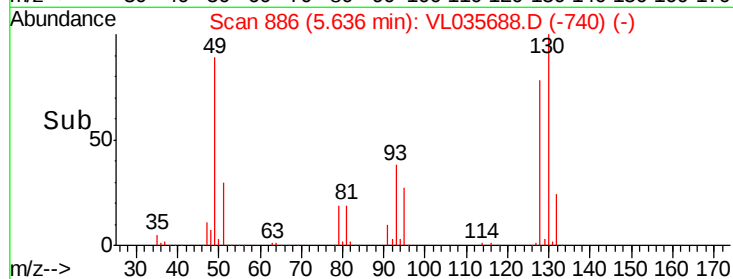
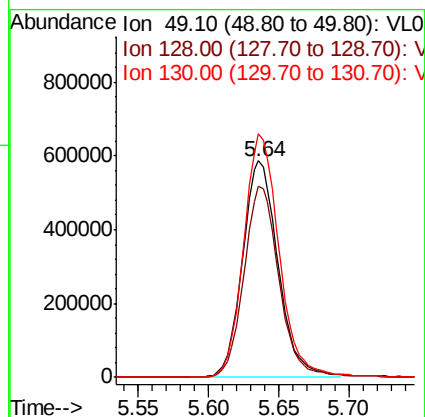
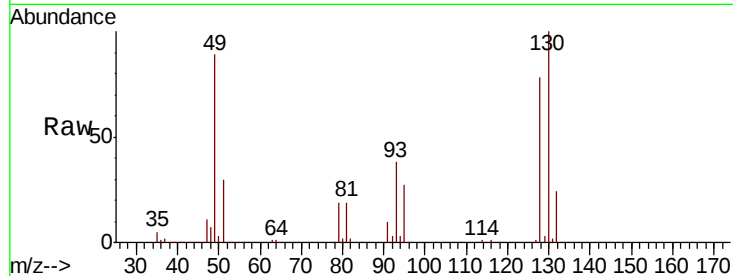




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL035688.D
Acq: 21 Sep 2020 16:28

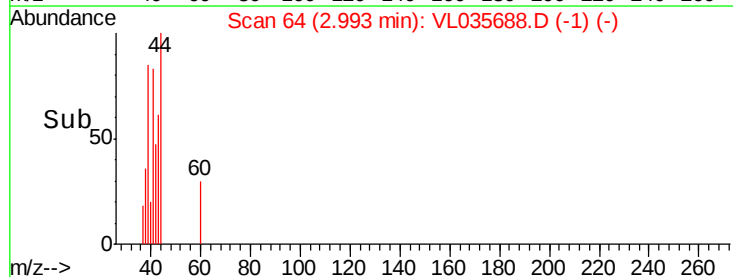
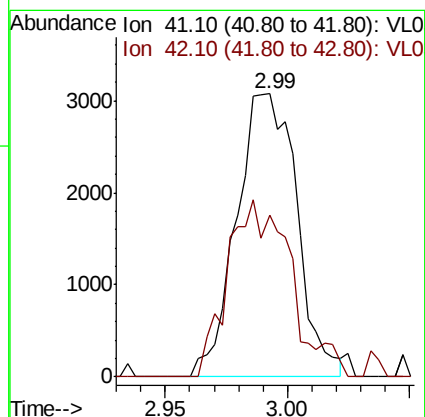
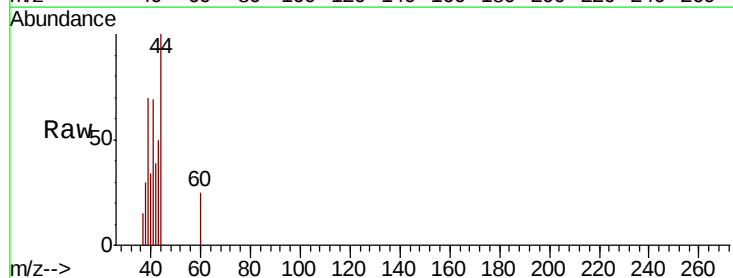
Instrument :
MSVOA_L
ClientSampled :
SV-7DL

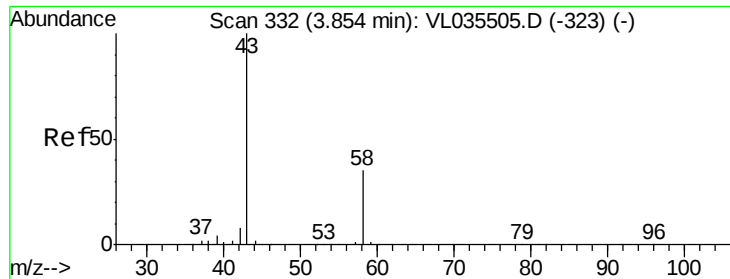
Tot Ion: 49 Resp: 1038259
Ion Ratio Lower Upper
49 100
128 88.0 50.0 150.1
130 112.7 64.4 193.2



#9
Propene
Concen: 0.119 ppbv
RT: 2.99 min Scan# 64
Delta R.T. -0.00 min
Lab File: VL035688.D
Acq: 21 Sep 2020 16:28

Tgt Ion: 41 Resp: 5279
Ion Ratio Lower Upper
41 100
42 67.5 56.3 84.5





#15

Acetone

Concen: 4.239 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Instrument :

MSVOA_L

ClientSampleId :

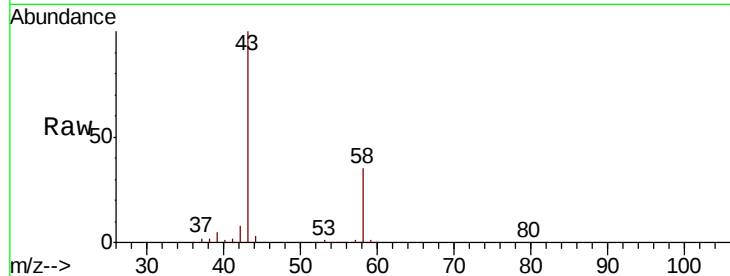
SV-7DL

Tot Ion: 43 Resp: 485400

Ion Ratio Lower Upper

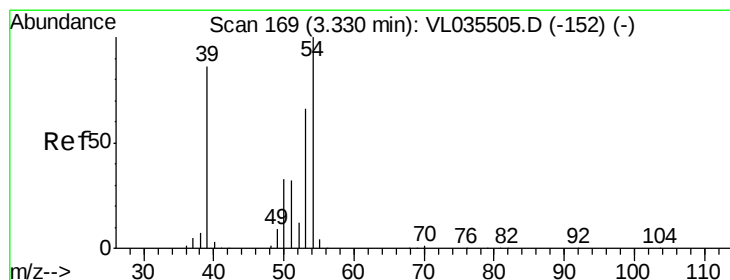
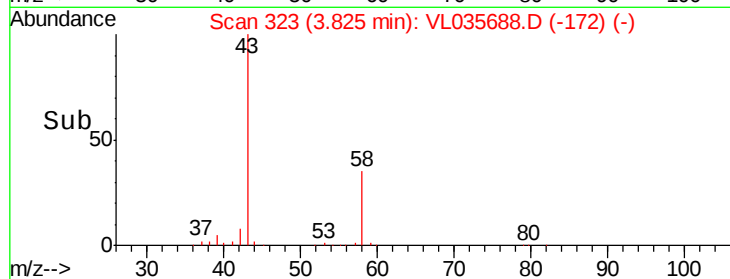
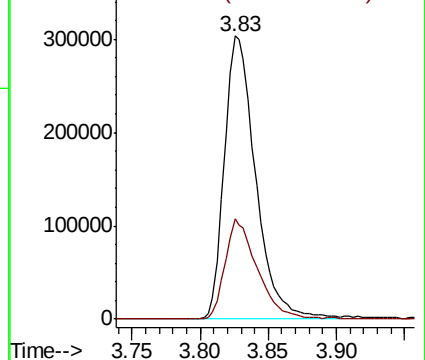
43 100

58 36.9 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.338 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.04 min

Lab File: VL035688.D

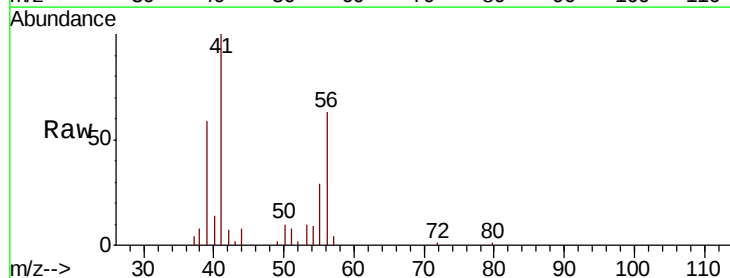
Acq: 21 Sep 2020 16:28

Tgt Ion: 39 Resp: 14422

Ion Ratio Lower Upper

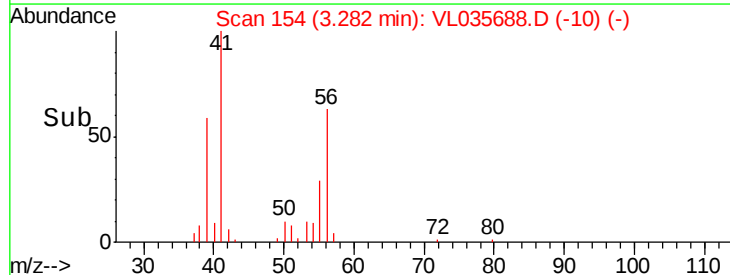
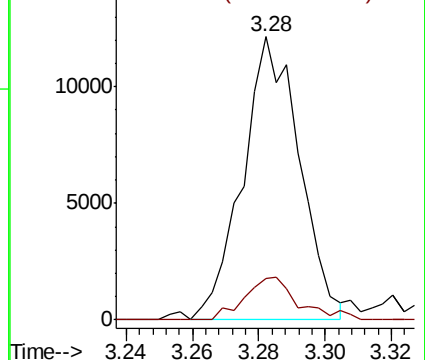
39 100

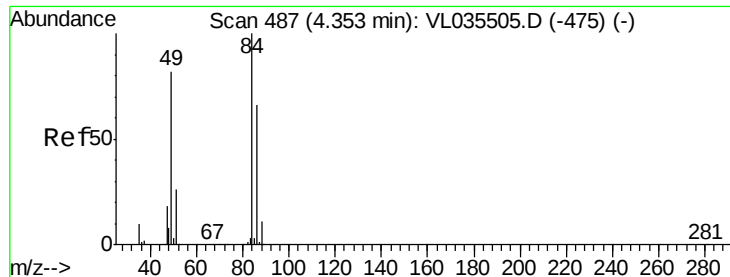
54 14.2 88.4 132.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

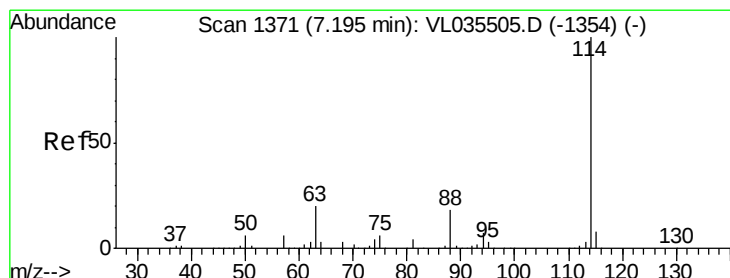
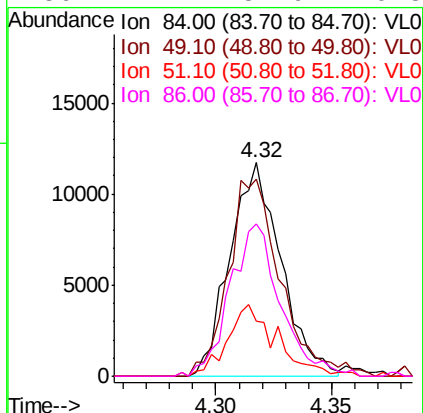
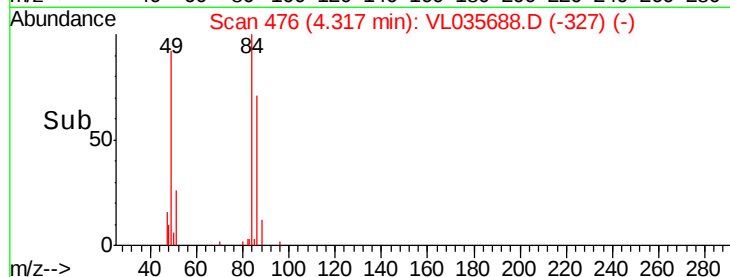
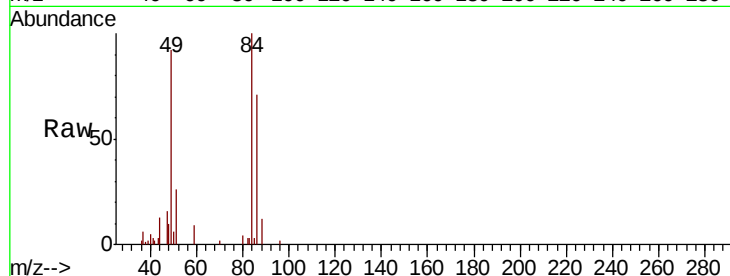




#20
Methylene Chloride
Concen: 0.210 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.02 min
Lab File: VL035688.D
Acq: 21 Sep 2020 16:28

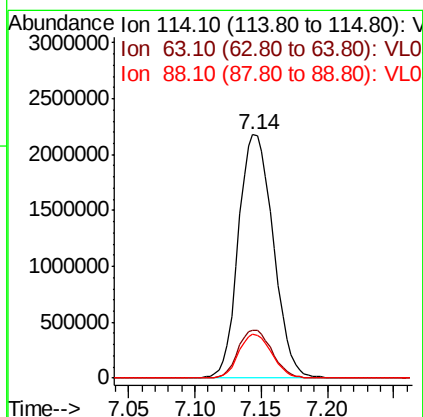
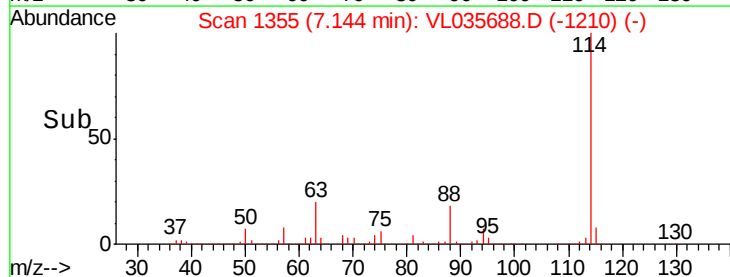
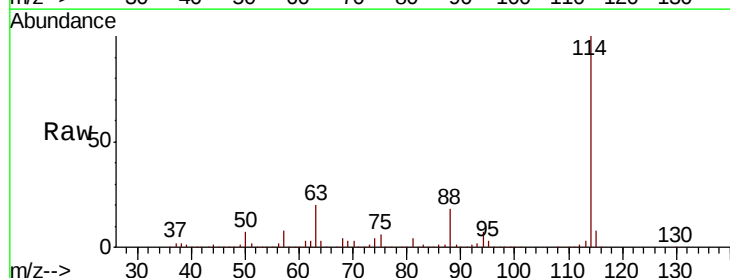
Instrument :
MSVOA_L
ClientSampled :
SV-7DL

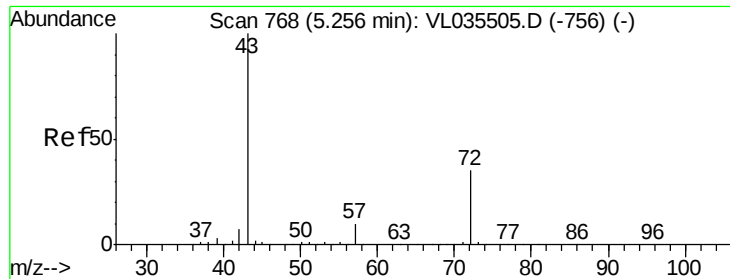
Tot Ion:	84	Resp:	17949
Ion	Ratio	Lower	Upper
84	100		
49	92.4	65.4	98.0
51	25.8	21.5	32.3
86	71.1	52.9	79.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.03 min
Lab File: VL035688.D
Acq: 21 Sep 2020 16:28

Tgt Ion:	114	Resp:	3979275
Ion	Ratio	Lower	Upper
114	100		
63	19.4	14.7	22.1
88	17.2	13.4	20.2





#34

2-Butanone

Concen: 0.261 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.00 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Instrument :

MSVOA_L

ClientSampleId :

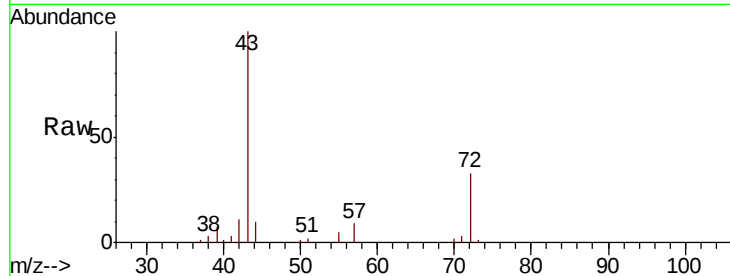
SV-7DL

Tot Ion: 43 Resp: 30794

Ion Ratio Lower Upper

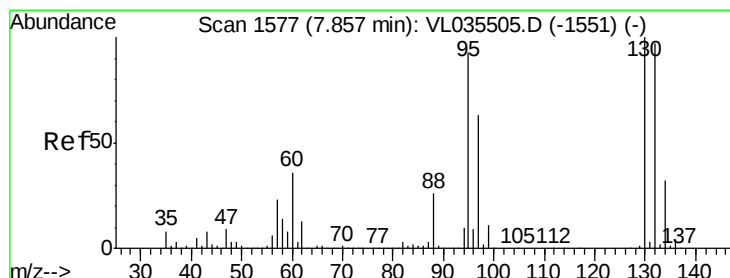
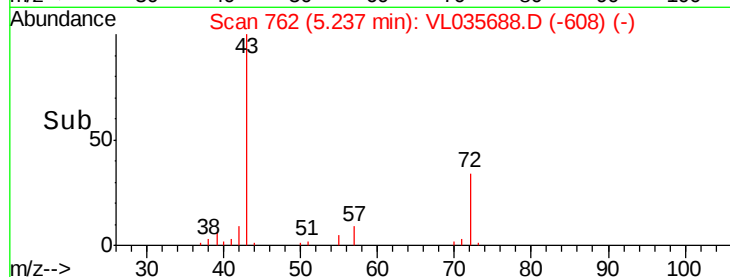
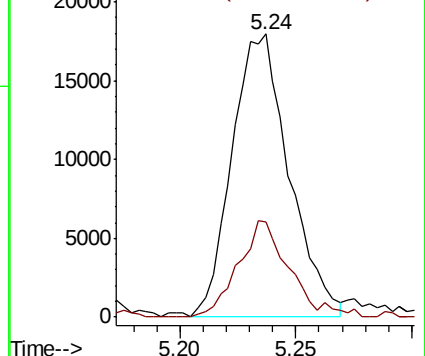
43 100

72 30.9 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#38

Trichloroethene

Concen: 0.182 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.04 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Tgt Ion:130 Resp: 27290

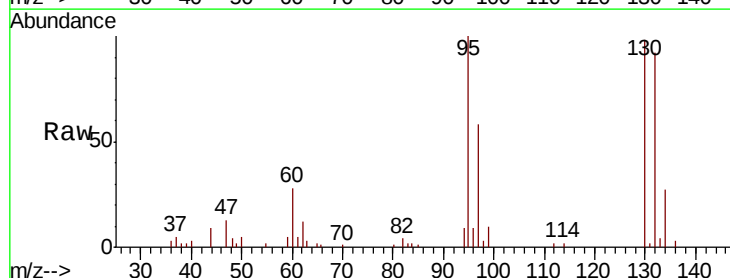
Ion Ratio Lower Upper

130 100

95 102.5 74.6 112.0

132 94.7 77.6 116.4

97 59.2 50.6 76.0

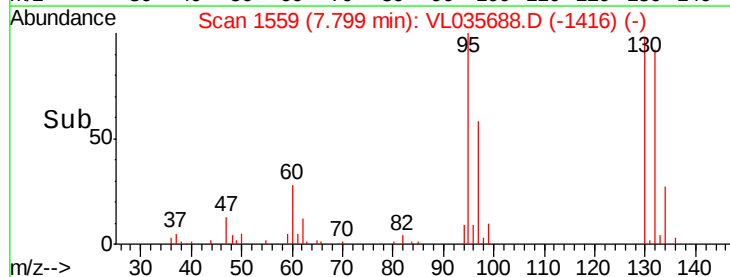
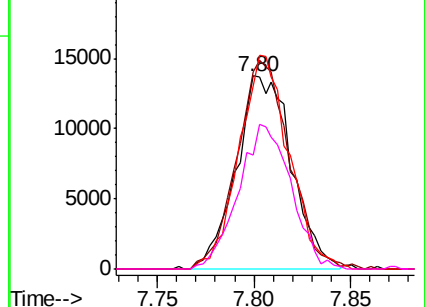


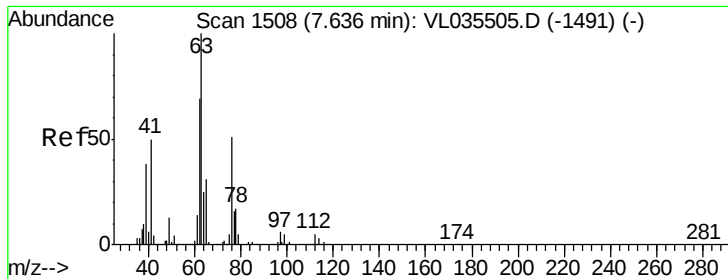
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 8.828 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.47 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Instrument :

MSVOA_L

ClientSampled :

SV-7DL

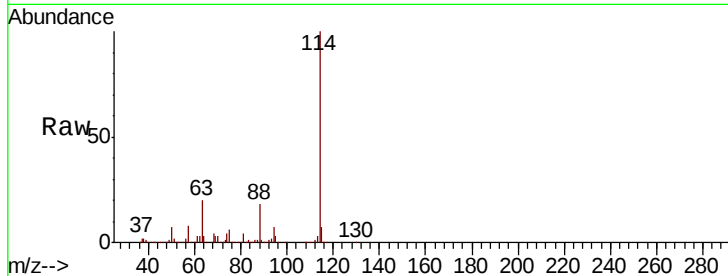
Tot Ion: 63 Resp: 768192

Ion Ratio Lower Upper

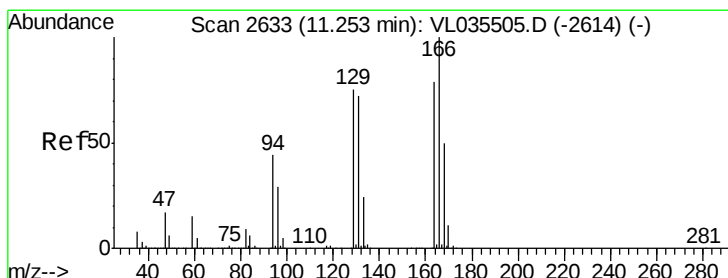
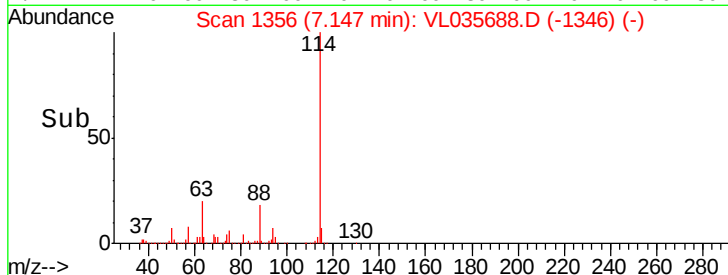
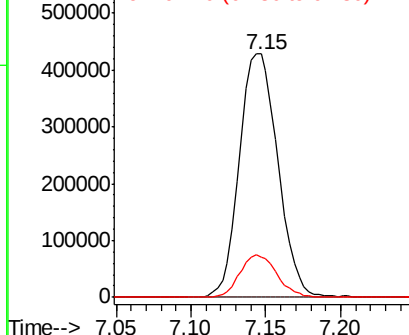
63 100

41 0.0 40.0 60.0#

62 16.7 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: 17.010 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.03 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Tgt Ion:164 Resp: 2559722

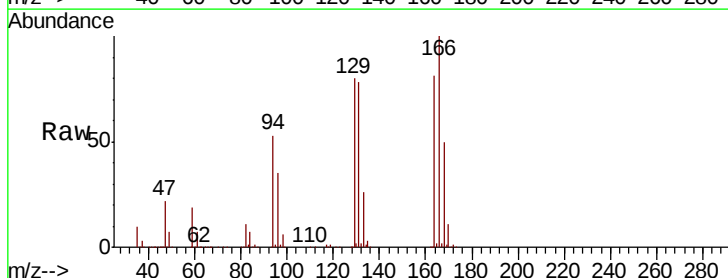
Ion Ratio Lower Upper

164 100

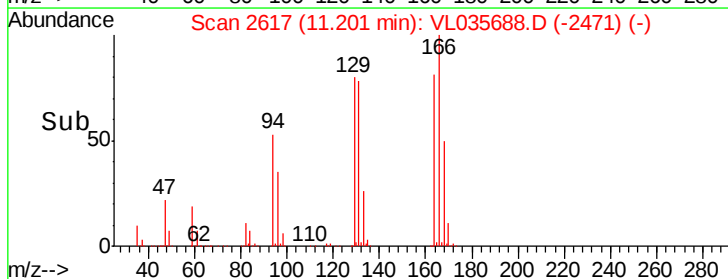
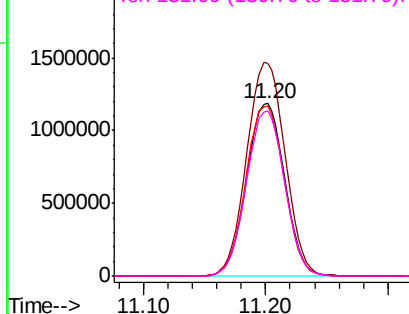
166 123.6 100.9 151.3

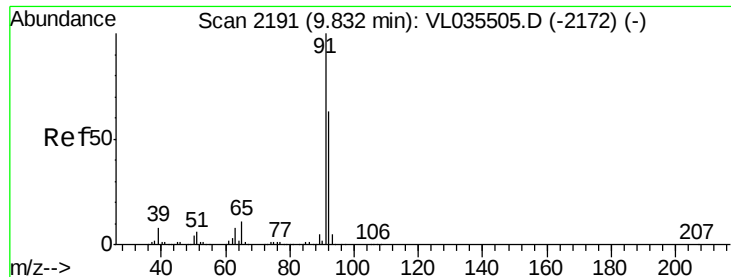
129 98.8 75.3 112.9

131 95.8 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





#53

Toluene

Concen: 0.050 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.04 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Instrument :

MSVOA_L

ClientSampleId :

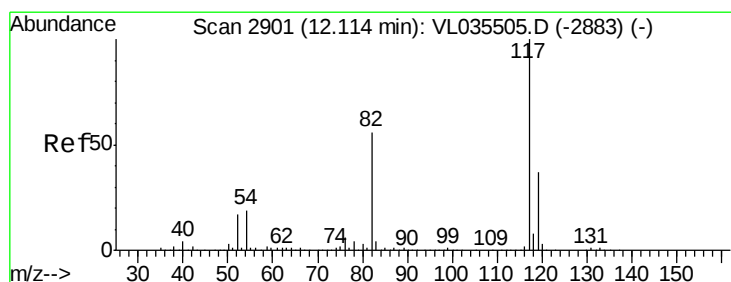
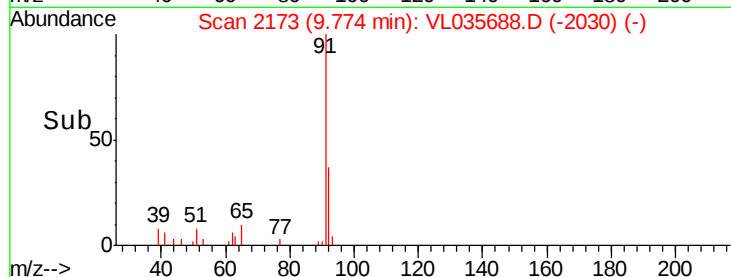
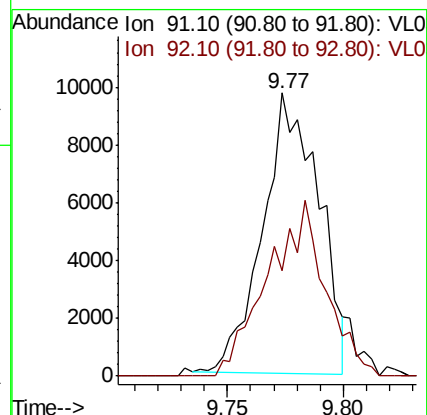
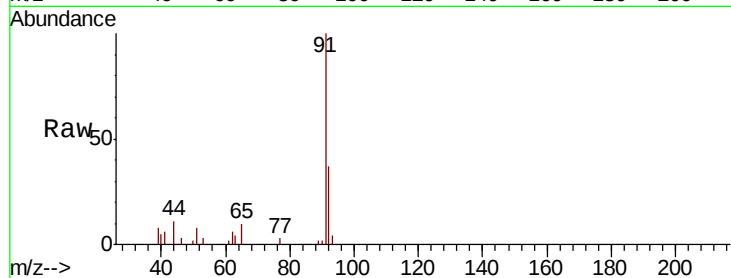
SV-7DL

Tot Ion: 91 Resp: 16230

Ion Ratio Lower Upper

91 100

92 64.5 49.8 74.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

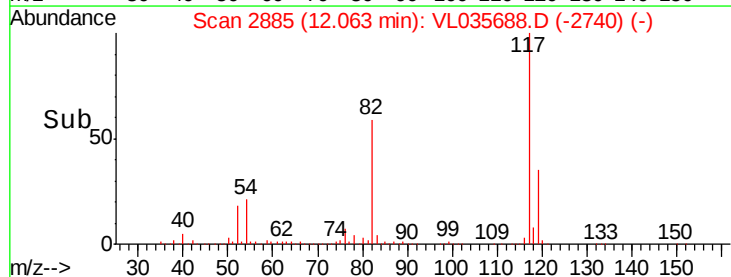
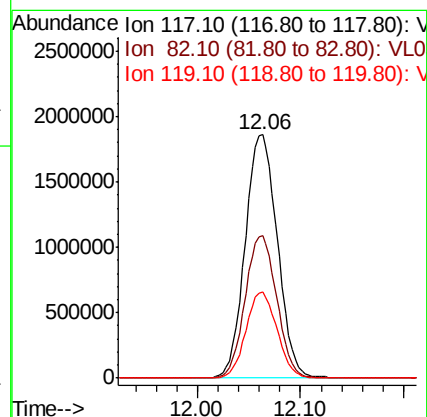
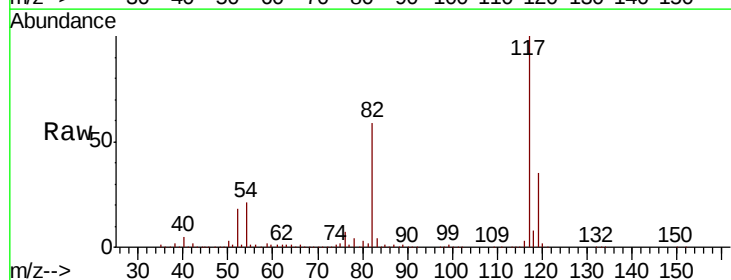
Tgt Ion: 117 Resp: 4045886

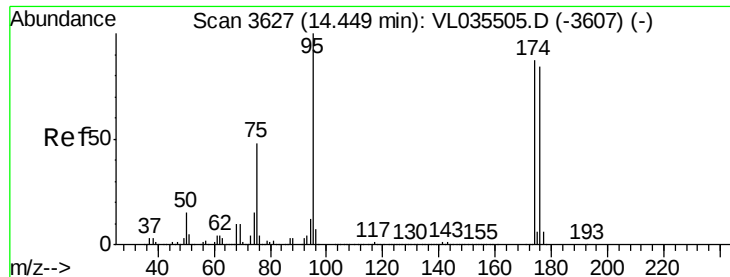
Ion Ratio Lower Upper

117 100

82 57.8 41.6 62.4

119 34.3 29.3 43.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.506 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.04 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Instrument :

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ClientSampleId :

SV-7DL

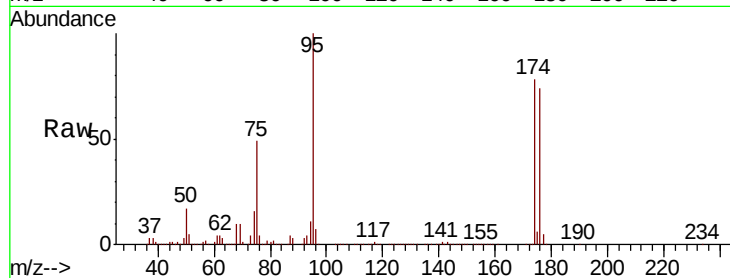
Tot Ion: 95 Resp: 3018508

Ion Ratio Lower Upper

95 100

174 77.0 69.6 104.4

175 5.5 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

