

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035976.D
 Acq On : 18 Nov 2020 16:51
 Operator : SY/AP
 Sample : L4773-01DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Quant Time: Nov 19 08:11:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.63	49	1151383	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	4029894	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3850676	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2864647	10.47	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

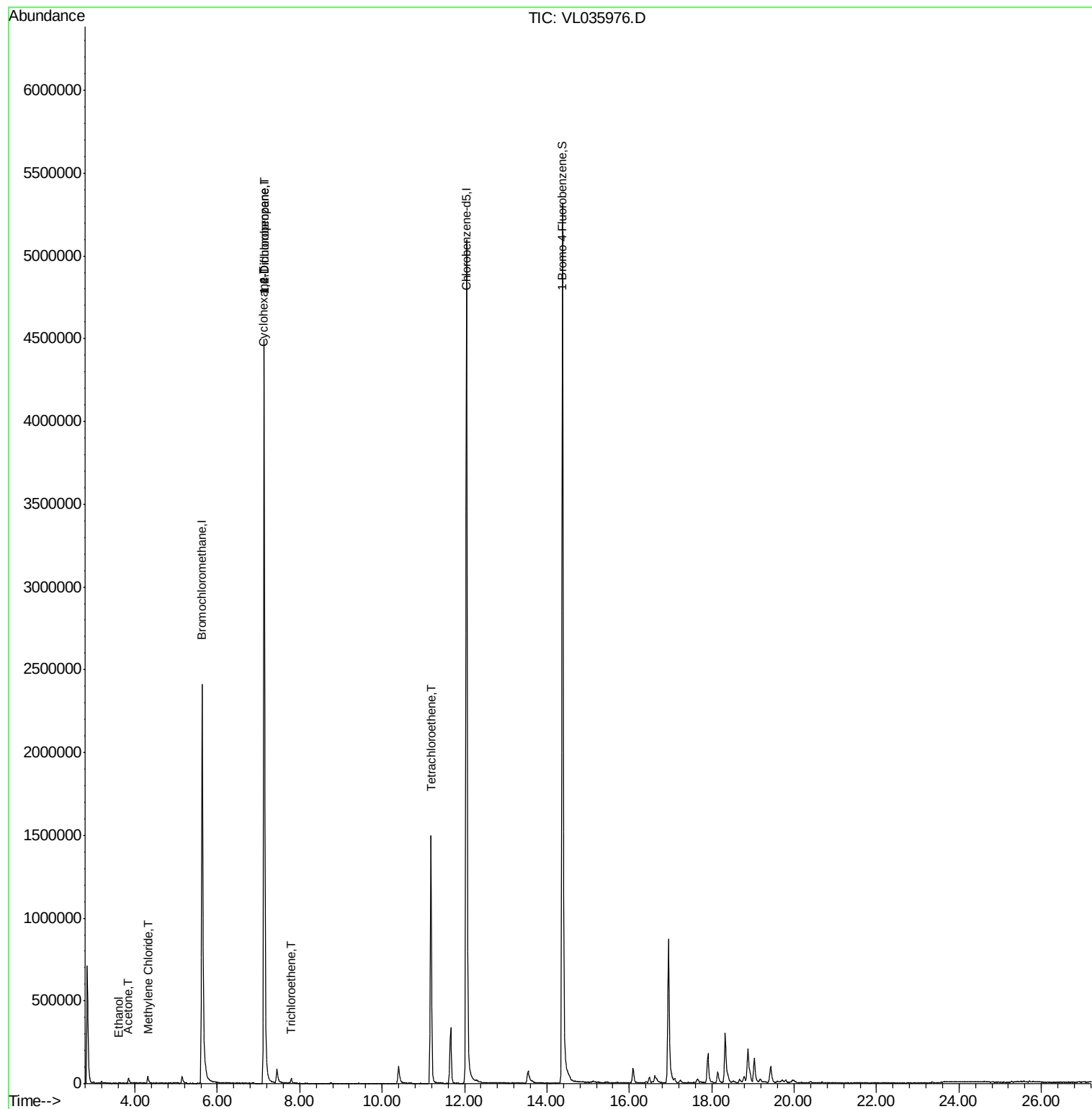
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	1425	0.130	ppbv #	35
15) Acetone	3.84	43	31569	0.256	ppbv #	41
20) Methylene Chloride	4.33	84	2791	0.032	ppbv	87
30) Cyclohexane	7.12	84	9046	0.062	ppbv #	6
38) Trichloroethene	7.80	130	10398	0.071	ppbv #	81
39) 1,2-Dichloropropane	7.14	63	820987	8.139	ppbv #	30
52) Tetrachloroethene	11.19	164	406419	2.863	ppbv	97

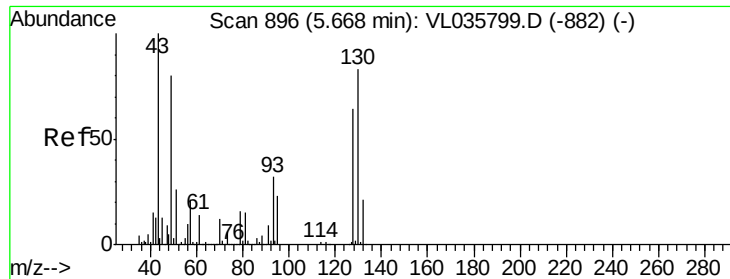
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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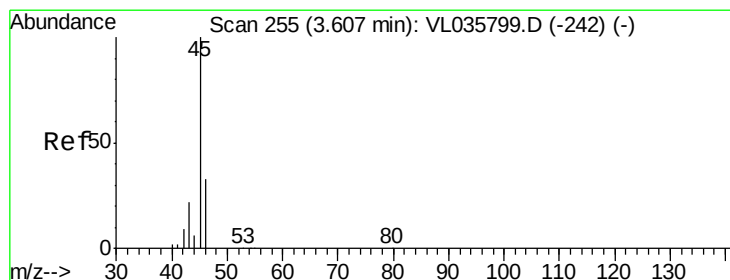
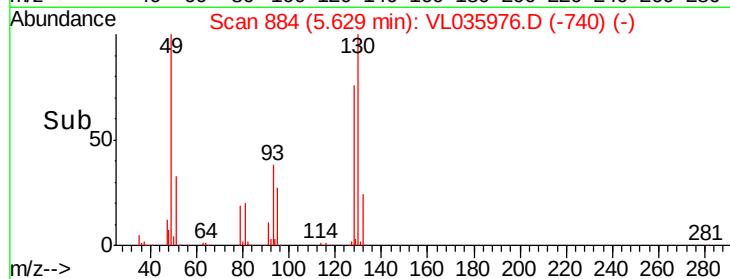
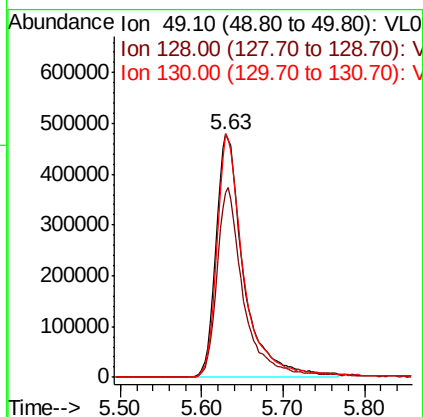
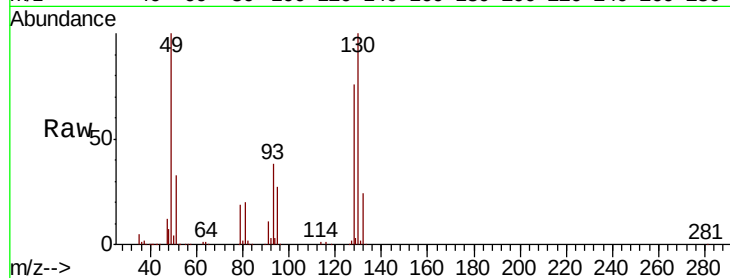




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.63 min Scan# 884
Delta R.T. -0.04 min
Lab File: VL035976.D
Acq: 18 Nov 2020 16:51

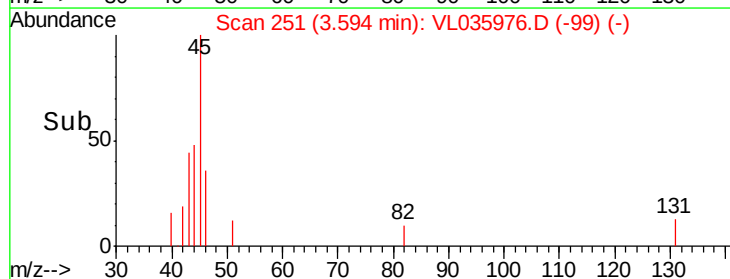
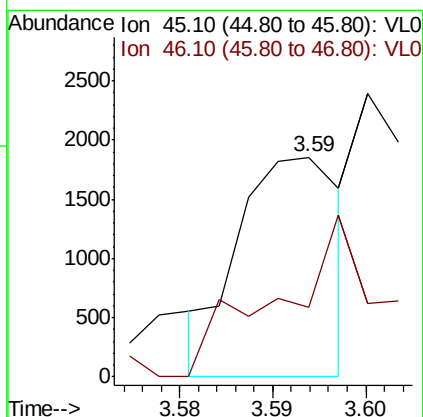
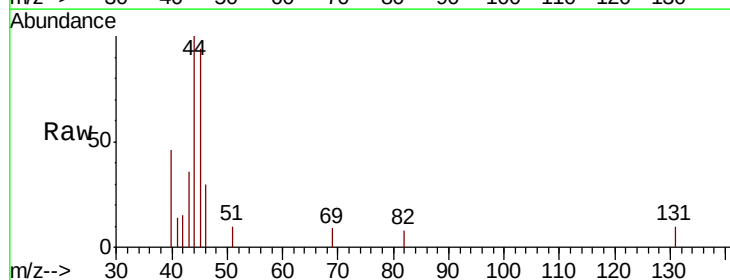
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

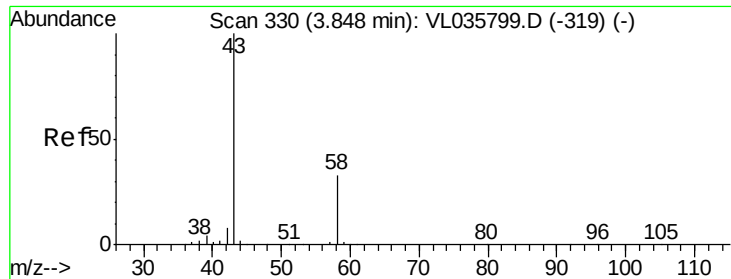
Tot Ion: 49 Resp: 1151383
Ion Ratio Lower Upper
49 100
128 76.7 41.5 124.6
130 97.7 53.7 161.1



#13
Ethanol
Concen: 0.130 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL035976.D
Acq: 18 Nov 2020 16:51

Tgt Ion: 45 Resp: 1425
Ion Ratio Lower Upper
45 100
46 0.0 16.1 64.5#





#15

Acetone

Concen: 0.256 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035976.D

Acq: 18 Nov 2020 16:51

Instrument :

MSVOA_L

ClientSampleId :

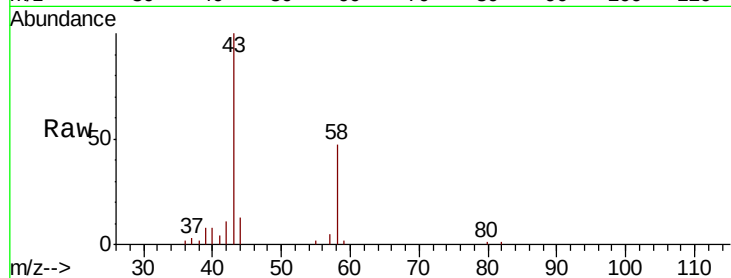
SV1DL2

Tot Ion: 43 Resp: 31569

Ion Ratio Lower Upper

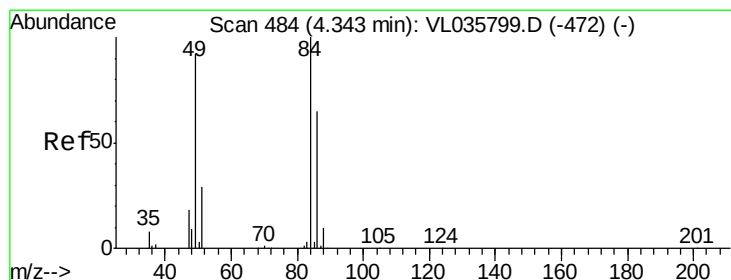
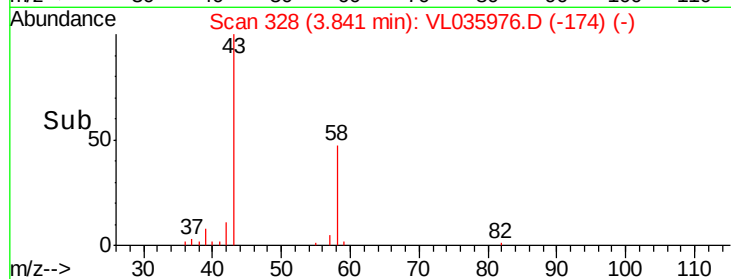
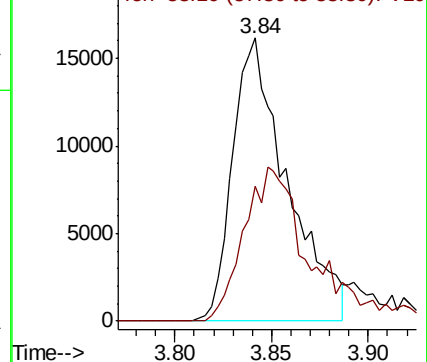
43 100

58 68.2 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.032 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL035976.D

Acq: 18 Nov 2020 16:51

Tgt Ion: 84 Resp: 2791

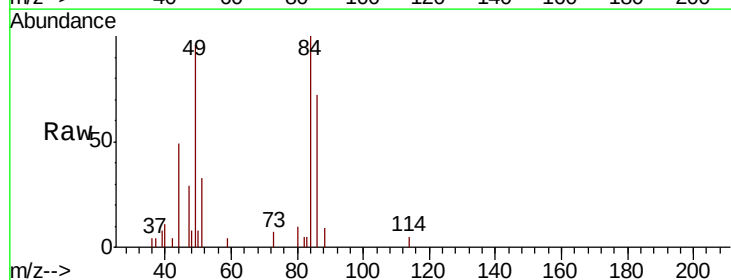
Ion Ratio Lower Upper

84 100

49 75.8 73.8 110.8

51 30.4 23.0 34.4

86 55.4 52.1 78.1

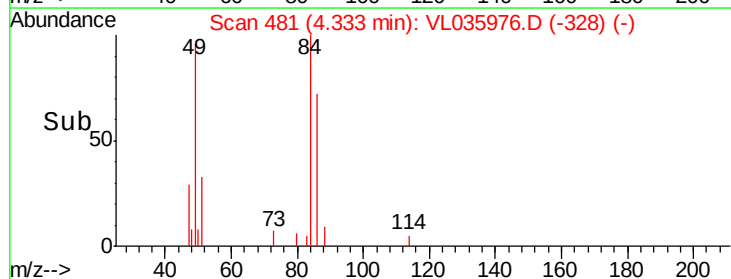
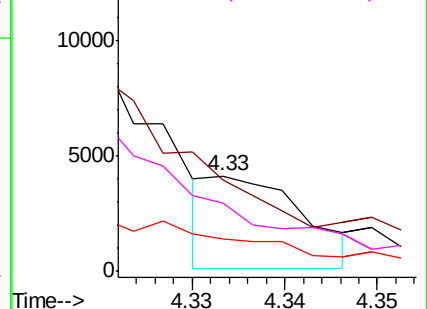


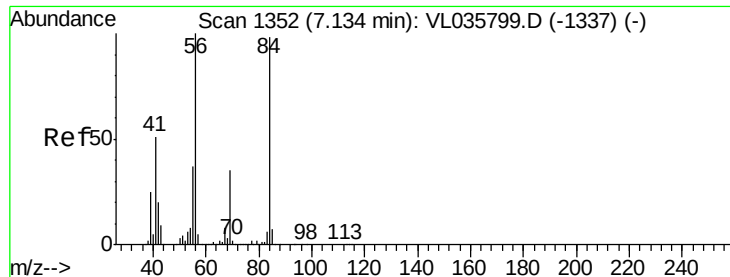
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

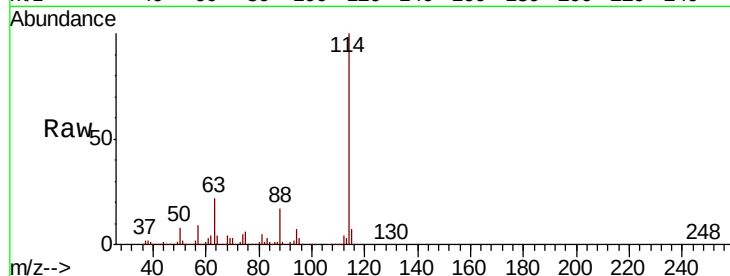




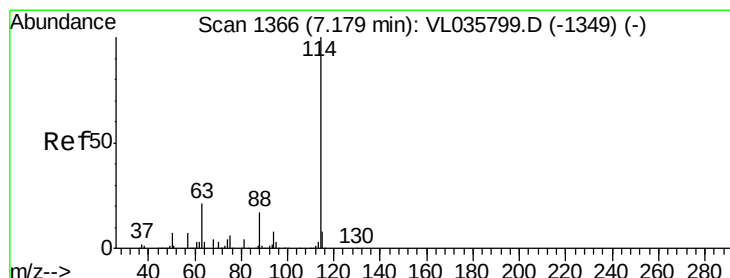
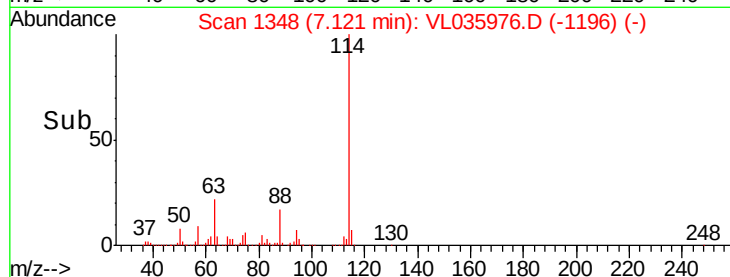
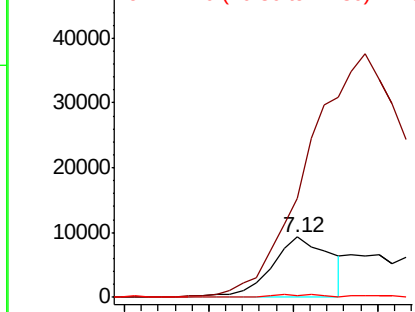
#30
Cvclohexane
Concen: 0.062 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035976.D
Acq: 18 Nov 2020 16:51

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tot Ion: 84 Resp: 9046
Ion Ratio Lower Upper
84 100
56 0.0 86.4 129.6#
41 0.0 42.1 63.1#

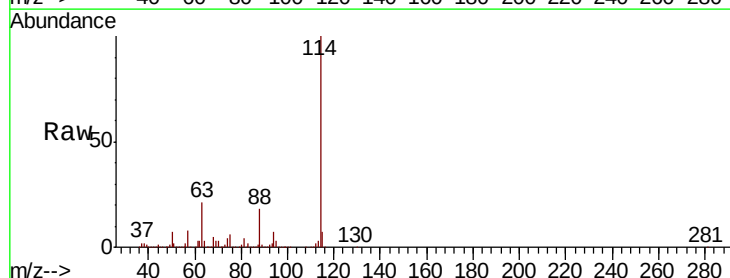


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

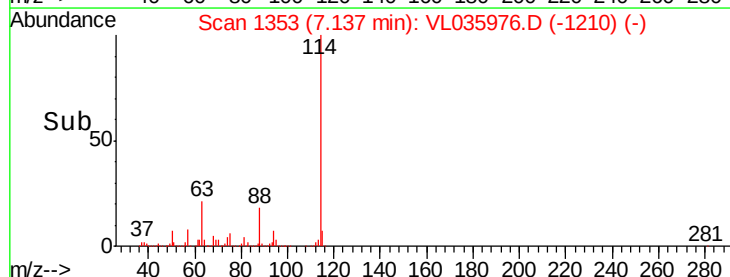
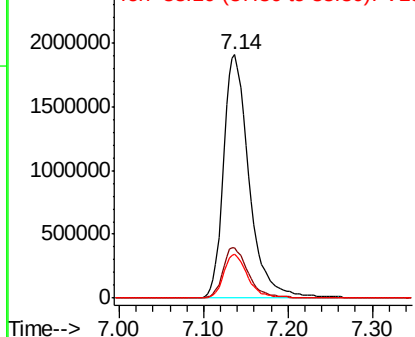


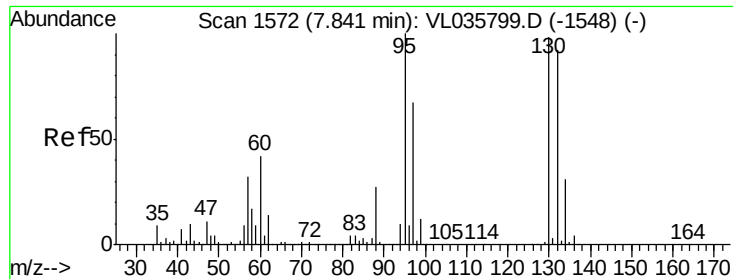
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.04 min
Lab File: VL035976.D
Acq: 18 Nov 2020 16:51

Tgt Ion:114 Resp: 4029894
Ion Ratio Lower Upper
114 100
63 20.7 16.1 24.1
88 17.3 13.7 20.5



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





#38

Trichloroethene

Concen: 0.071 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.05 min

Lab File: VL035976.D

Acq: 18 Nov 2020 16:51

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tot Ion:130 Resp: 10398

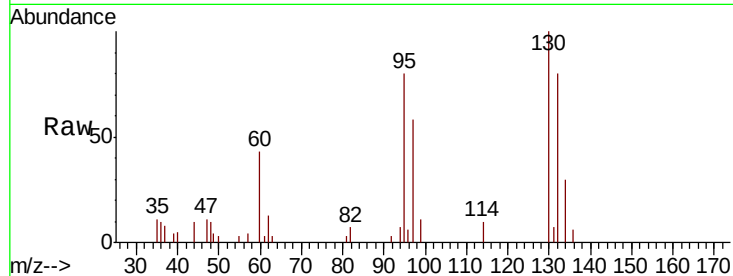
Ion Ratio Lower Upper

130 100

95 75.7 81.6 122.4#

132 79.5 75.1 112.7

97 58.0 54.6 81.8

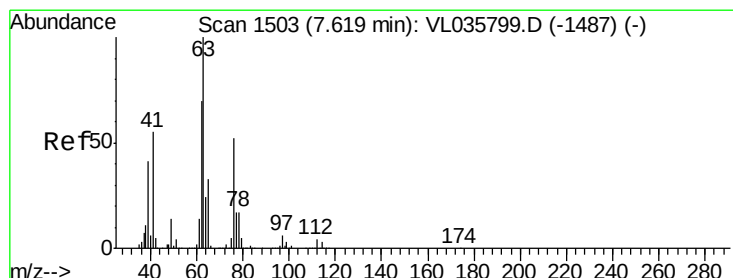
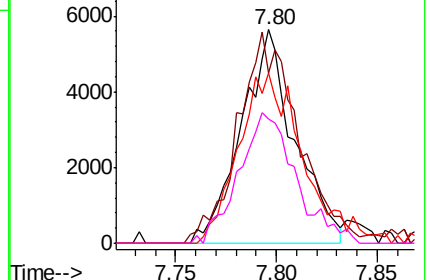
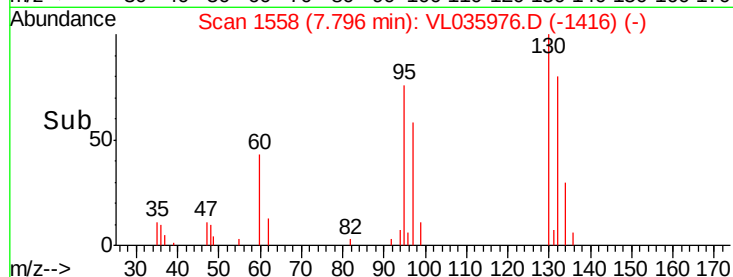


Abundance Ion 130.00 (129.70 to 130.70): V

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: 8.139 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.48 min

Lab File: VL035976.D

Acq: 18 Nov 2020 16:51

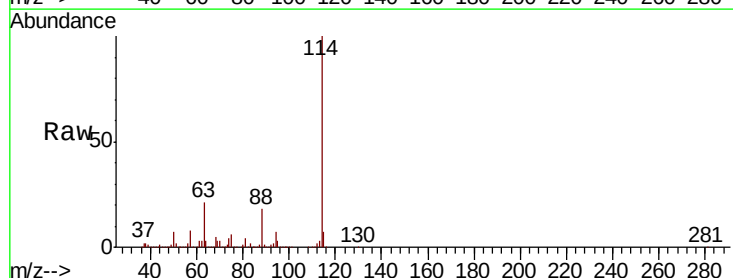
Tgt Ion: 63 Resp: 820987

Ion Ratio Lower Upper

63 100

41 0.1 43.8 65.6#

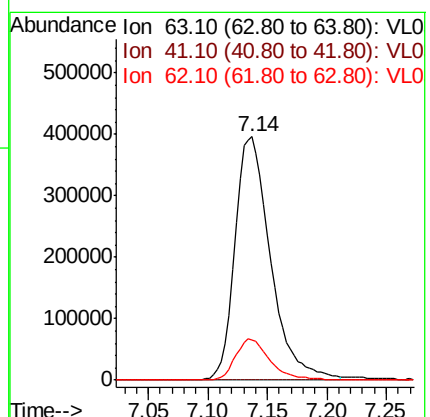
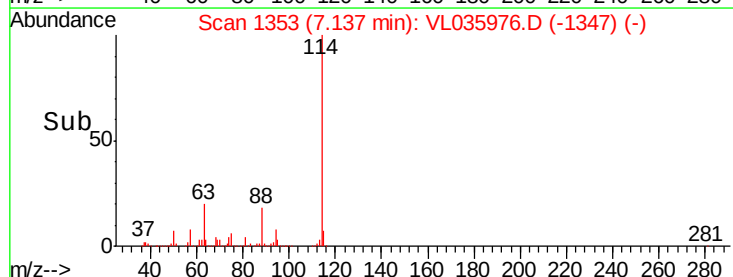
62 16.7 56.2 84.2#

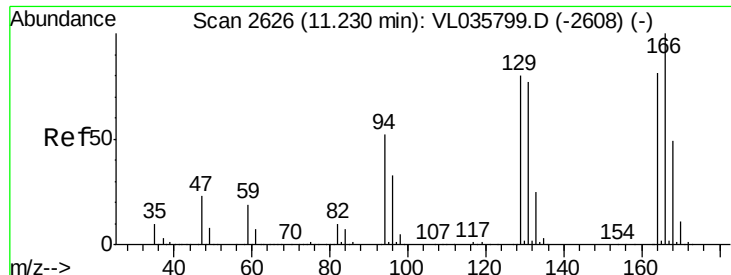


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 2.863 ppbv

RT: 11.19 min Scan# 2612

Delta R.T. -0.05 min

Lab File: VL035976.D

Acq: 18 Nov 2020 16:51

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tot Ion:164 Resp: 406419

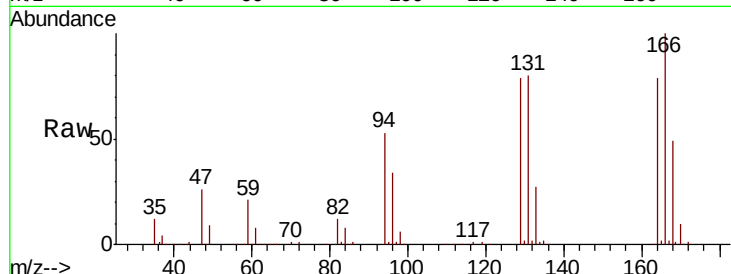
Ion Ratio Lower Upper

164 100

166 126.9 99.3 148.9

129 101.0 79.3 118.9

131 101.2 76.5 114.7

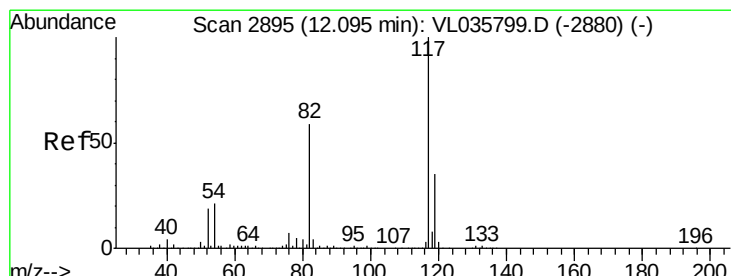
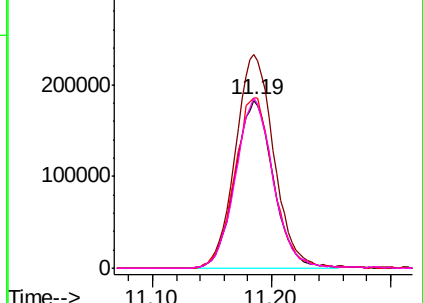
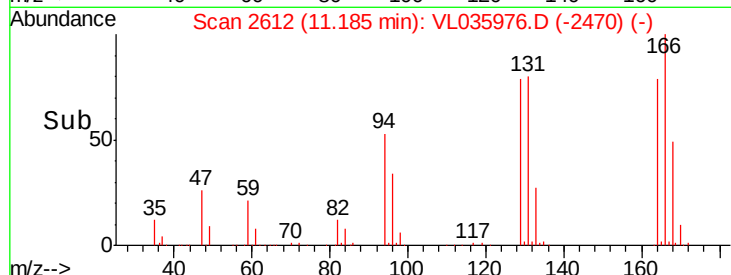


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.05 min Scan# 2880

Delta R.T. -0.05 min

Lab File: VL035976.D

Acq: 18 Nov 2020 16:51

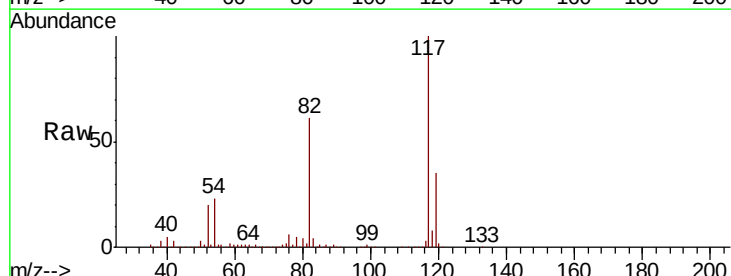
Tgt Ion:117 Resp: 3850676

Ion Ratio Lower Upper

117 100

82 61.3 50.6 76.0

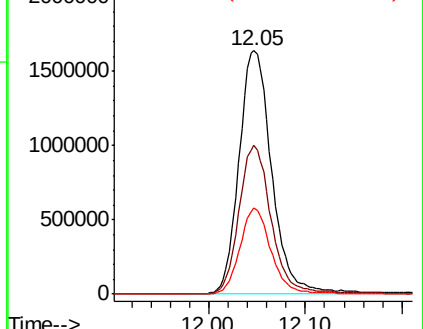
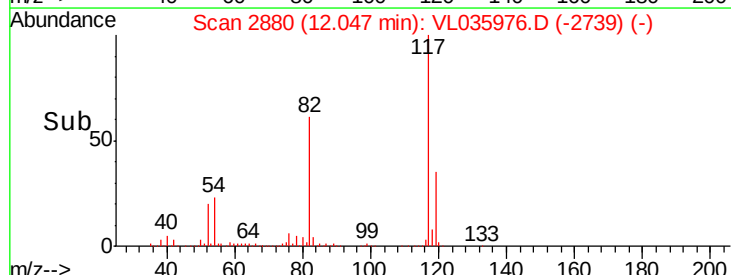
119 34.3 52.6 78.8#

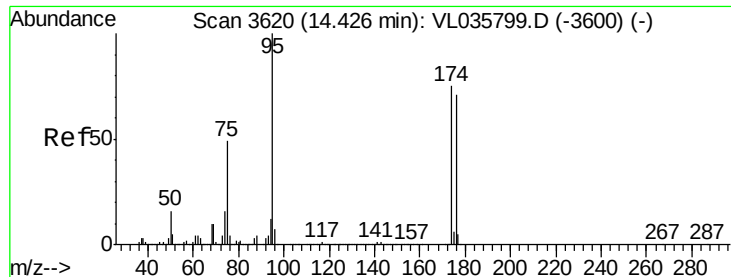


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.471 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.05 min

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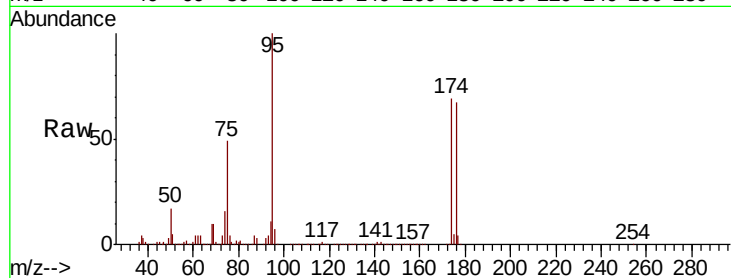
Tot Ion: 95 Resp: 2864647

Ion Ratio Lower Upper

95 100

174 71.1 59.8 89.6

175 5.2 4.3 6.5



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

