

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035487.D
 Acq On : 21 Aug 2020 6:47
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Aug 21 09:01:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1030381	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4482527	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4454938	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3145947	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

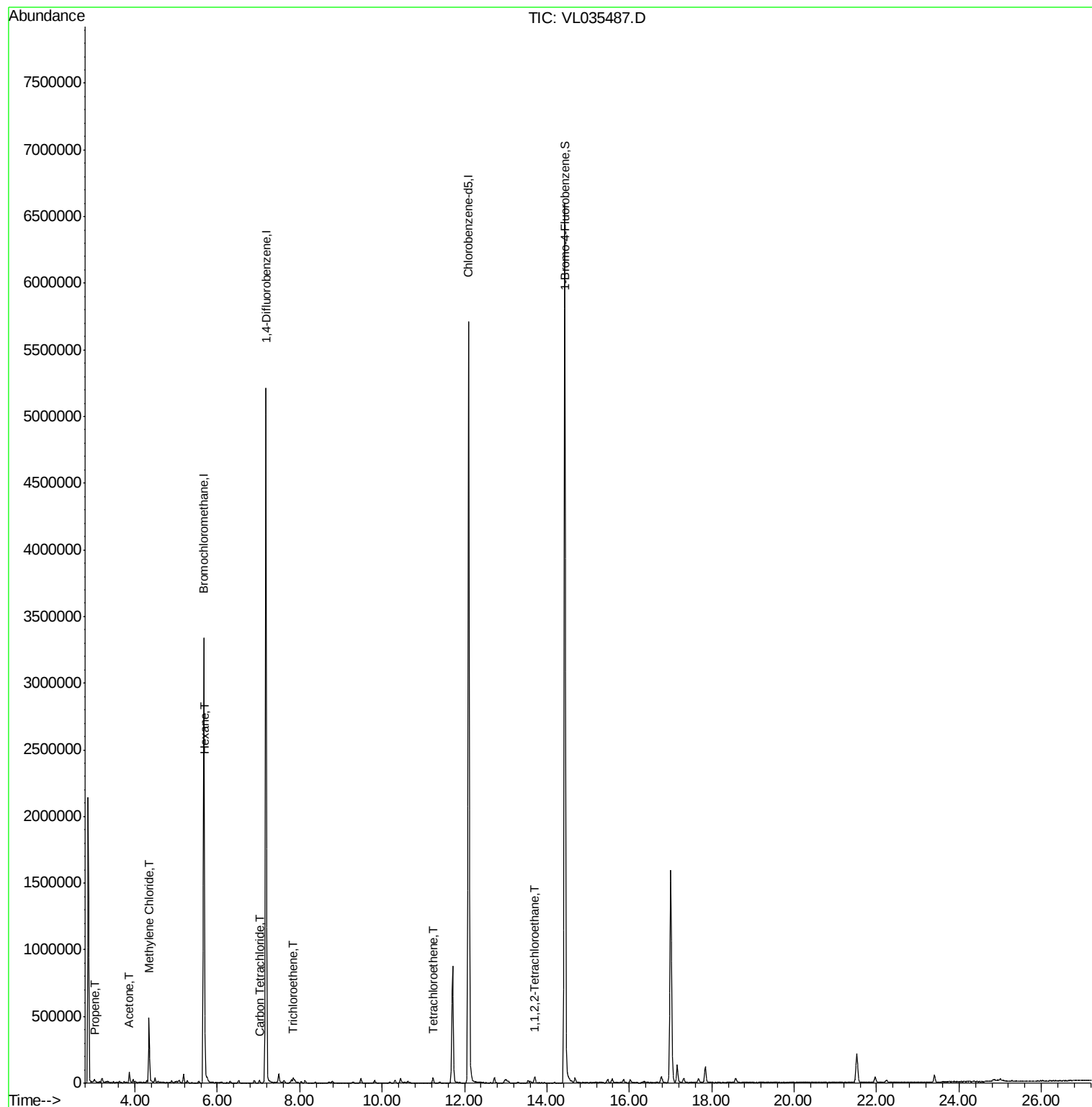
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	7584	0.146	ppbv	94
15) Acetone	3.86	43	65043	0.548	ppbv #	44
20) Methylene Chloride	4.34	84	218016	2.278	ppbv #	64
26) Hexane	5.69	57	75058	0.576	ppbv #	36
35) Carbon Tetrachloride	7.02	117	11199	0.047	ppbv #	82
38) Trichloroethene	7.84	130	14019	0.077	ppbv #	71
52) Tetrachloroethene	11.23	164	10445	0.052	ppbv #	81
63) 1,1,2,2-Tetrachloroethane	13.70	83	16088	0.051	ppbv	96

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035487.D

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MSVOA_L

ClientSampleId :

VIBLK

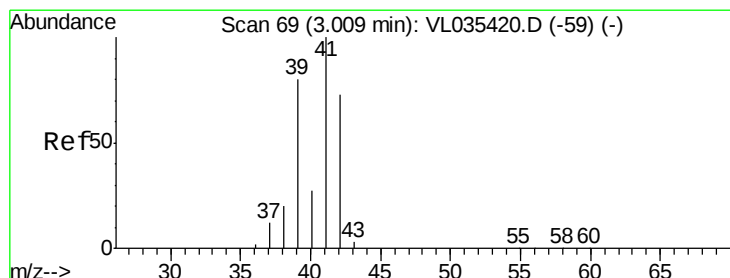
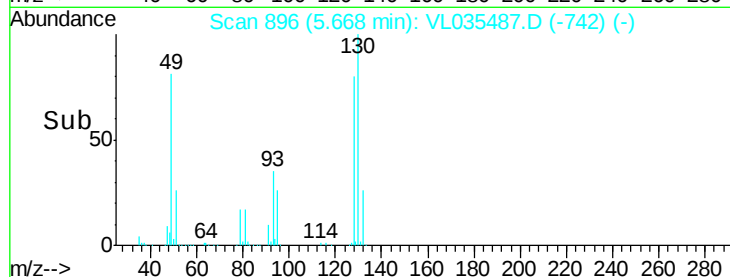
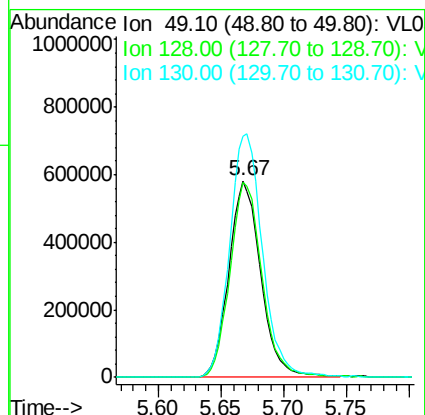
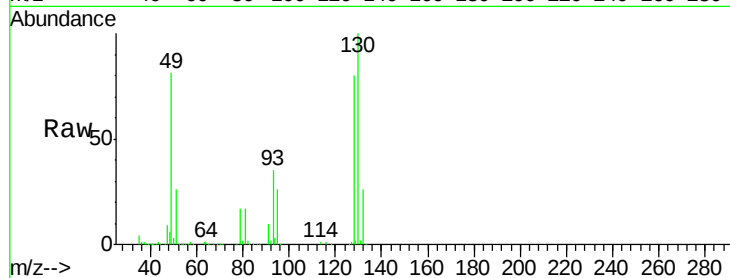
Tot Ion: 49 Resp: 1030381

Ion Ratio Lower Upper

49 100

128 100.3 20.9 62.7#

130 128.2 26.7 80.1#



#9

Propene

Concen: 0.146 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035487.D

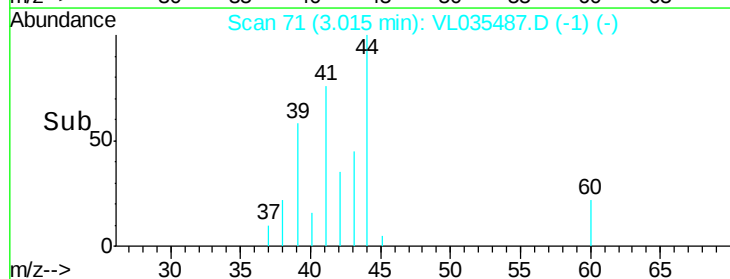
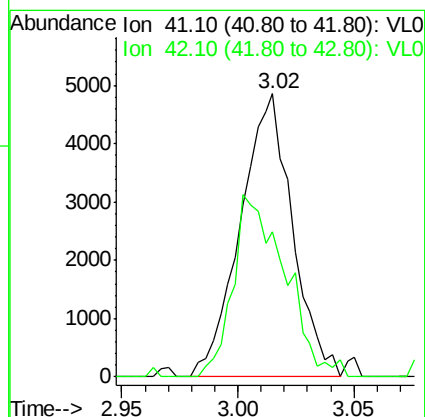
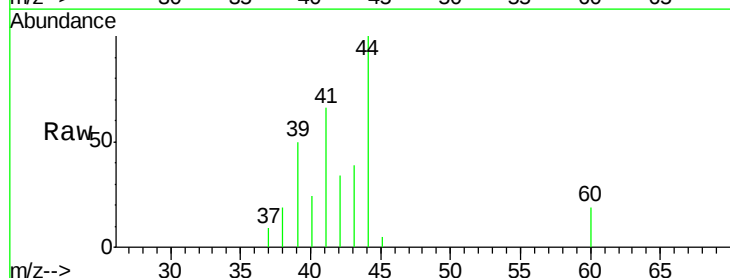
Acq: 21 Aug 2020 6:47

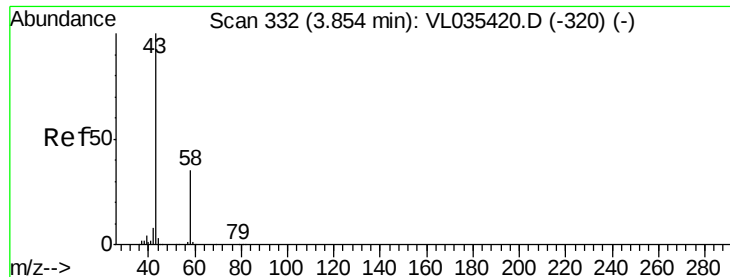
Tgt Ion: 41 Resp: 7584

Ion Ratio Lower Upper

41 100

42 64.3 55.5 83.3





#15

Acetone

Concen: 0.548 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.02 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

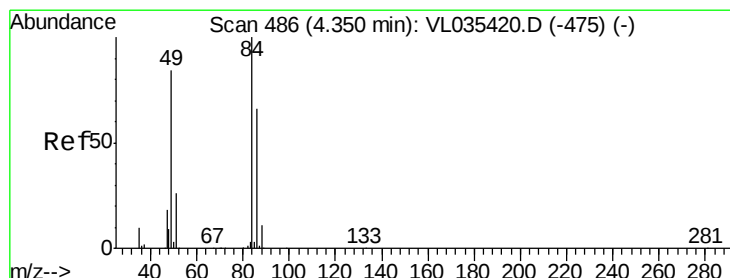
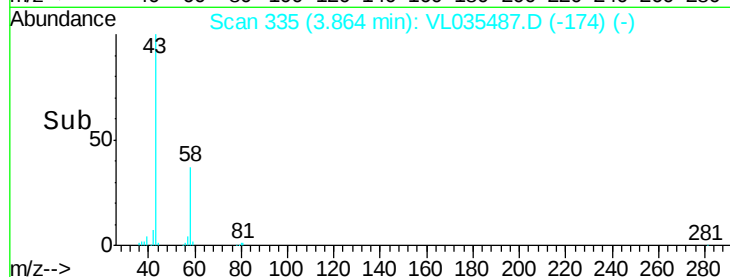
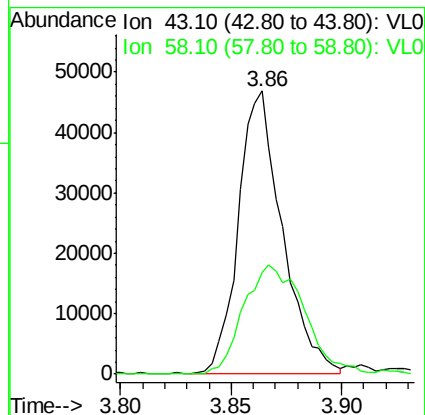
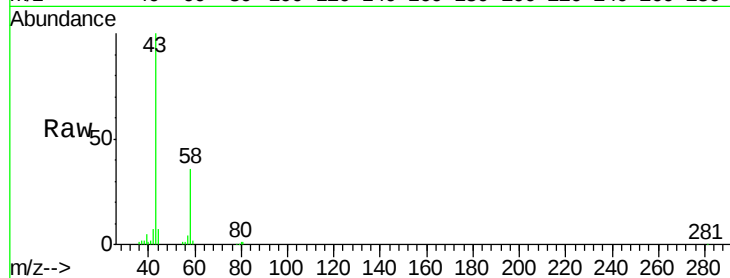
VIBLK

Tot Ion: 43 Resp: 65043

Ion Ratio Lower Upper

43 100

58 55.0 21.0 31.6#



#20

Methylene Chloride

Concen: 2.278 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Tgt Ion: 84 Resp: 218016

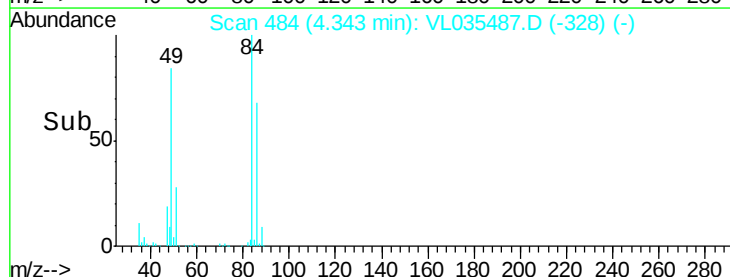
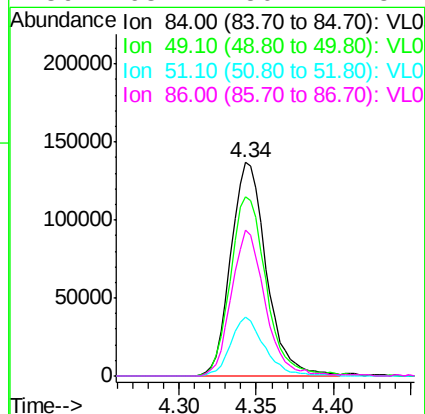
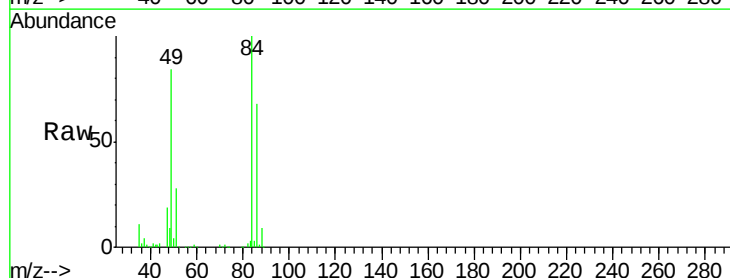
Ion Ratio Lower Upper

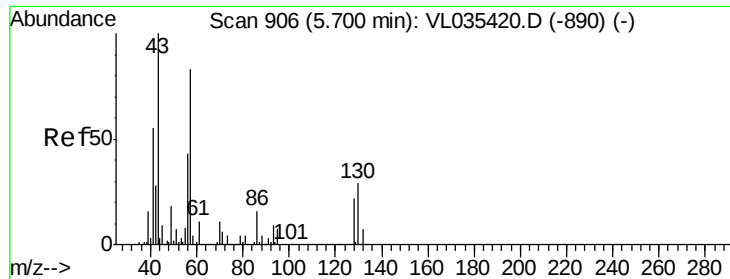
84 100

49 84.1 118.6 177.8#

51 27.5 36.4 54.6#

86 68.2 50.2 75.4





#26

Hexane

Concen: 0.576 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 57 Resp: 75058

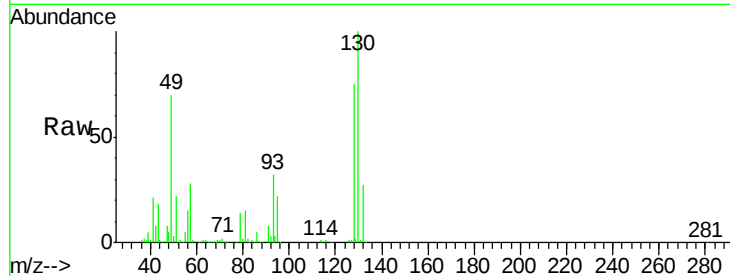
Ion Ratio Lower Upper

57 100

41 74.7 75.5 113.3#

43 70.5 181.7 272.5#

56 57.3 42.4 63.6

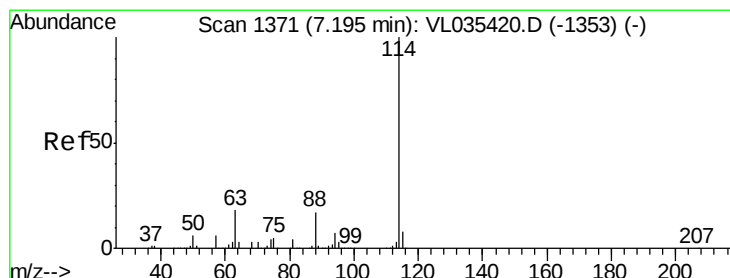
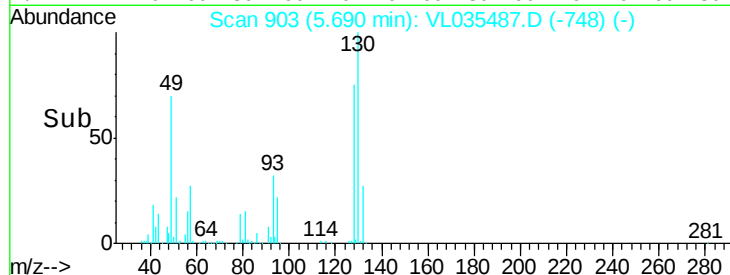
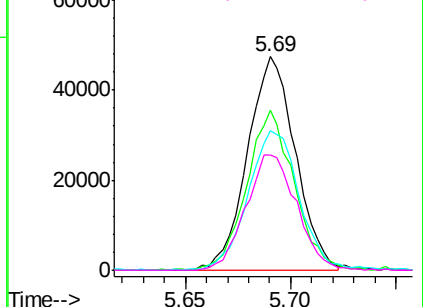


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

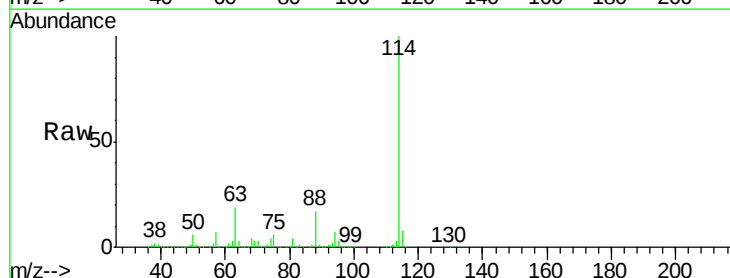
Tgt Ion:114 Resp: 4482527

Ion Ratio Lower Upper

114 100

63 17.6 23.1 34.7#

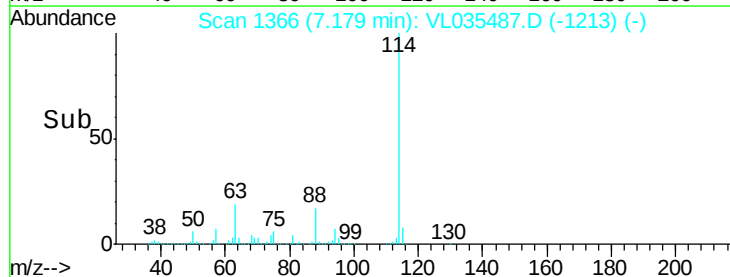
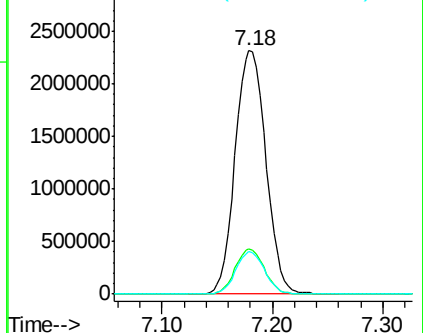
88 16.3 15.9 23.9

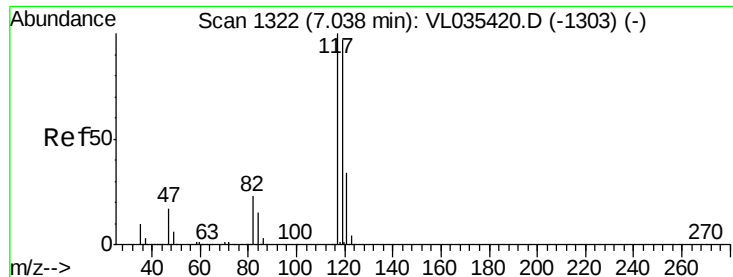


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

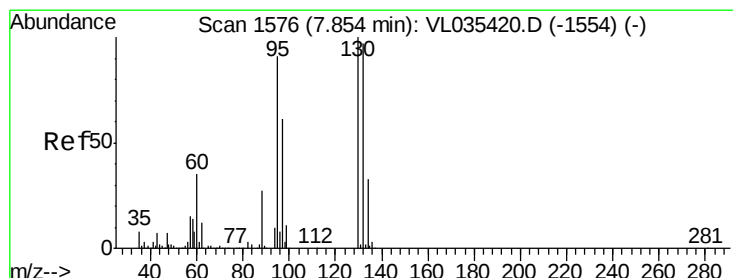
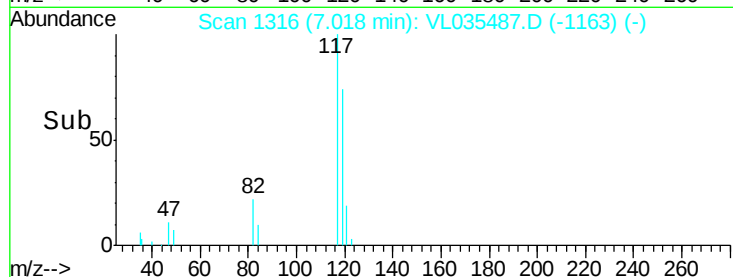
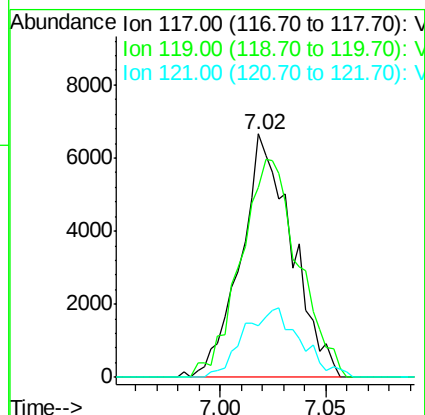
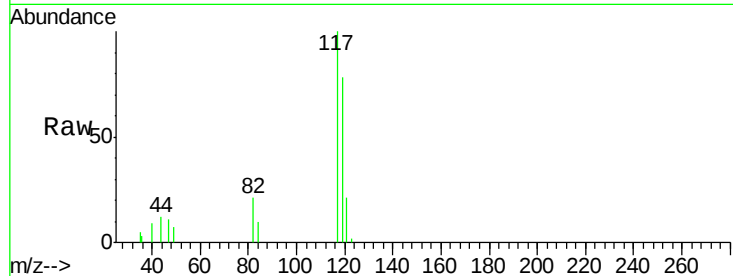




#35
Carbon Tetrachloride
Concen: 0.047 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VL035487.D
Acq: 21 Aug 2020 6:47

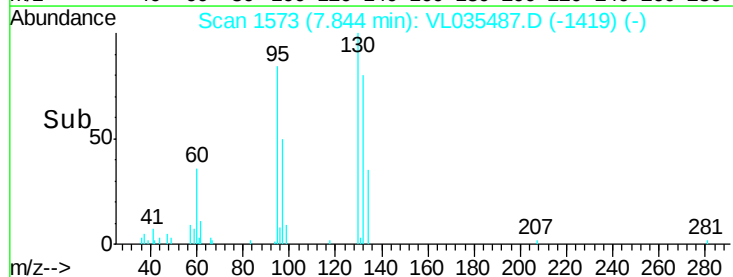
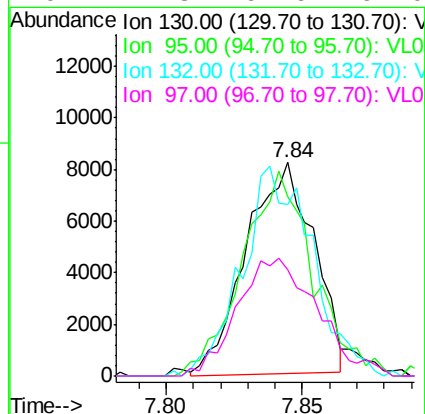
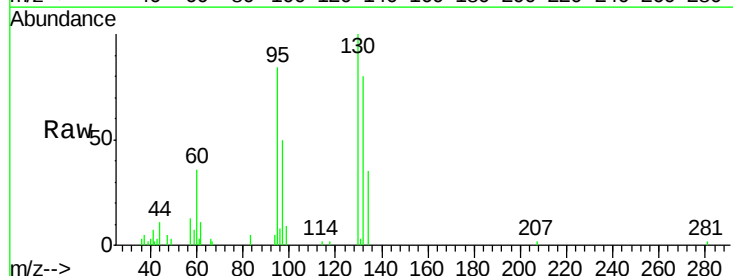
Instrument :
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ClientSampleId :
VIBLK

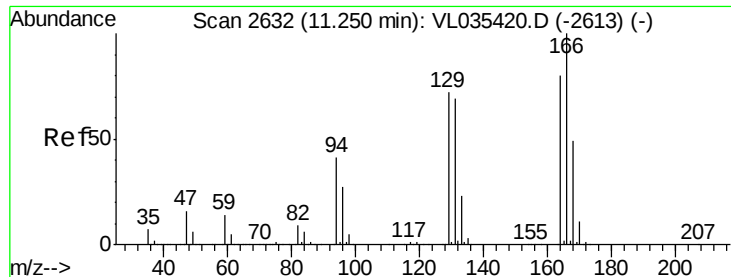
Tot Ion:117 Resp: 11199
Ion Ratio Lower Upper
117 100
119 78.0 76.1 114.1
121 21.0 25.5 38.3#



#38
Trichloroethene
Concen: 0.077 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL035487.D
Acq: 21 Aug 2020 6:47

Tgt Ion:130 Resp: 14019
Ion Ratio Lower Upper
130 100
95 79.0 95.8 143.8#
132 78.6 74.3 111.5
97 47.3 62.6 94.0#





#52

Tetrachloroethene

Concen: 0.052 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion:164 Resp: 10445

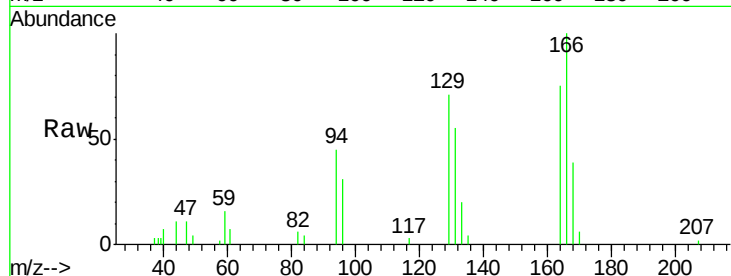
Ion Ratio Lower Upper

164 100

166 132.6 103.4 155.0

129 94.8 90.2 135.4

131 73.5 91.7 137.5#

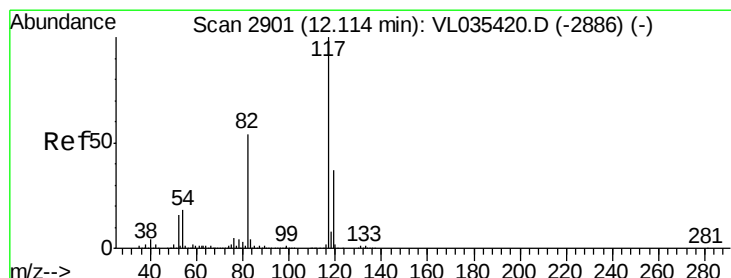
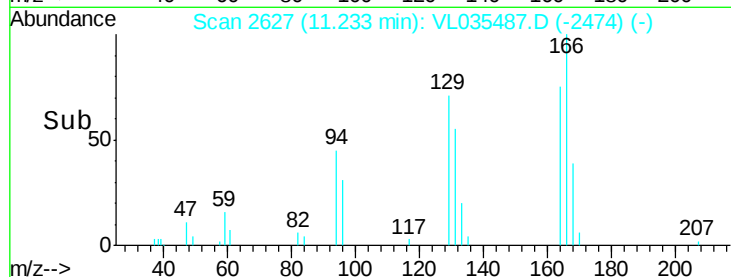
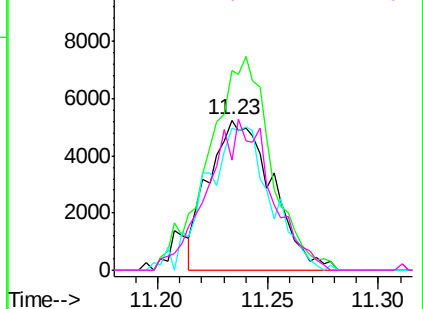


Abundance Ion 163.90 (163.60 to 164.60): V

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# 2896

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

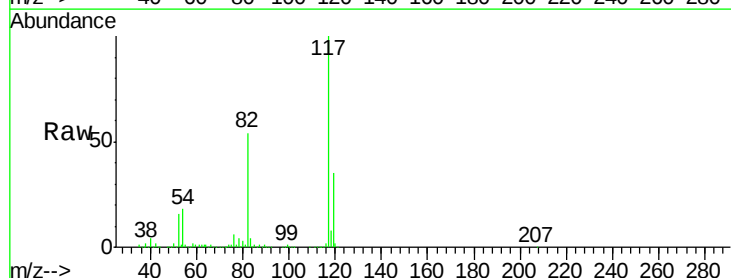
Tgt Ion:117 Resp: 4454938

Ion Ratio Lower Upper

117 100

82 53.3 57.4 86.0#

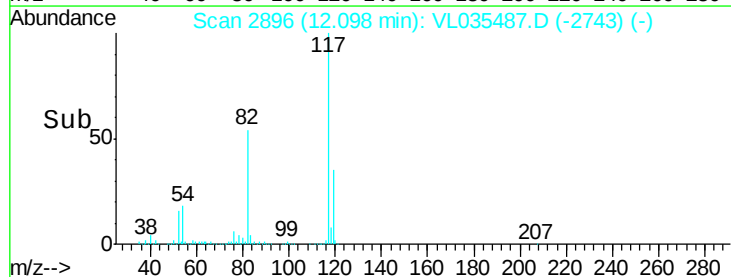
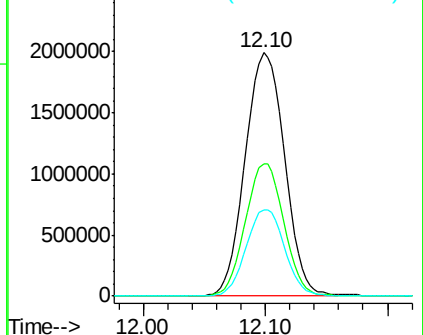
119 34.9 28.4 42.6

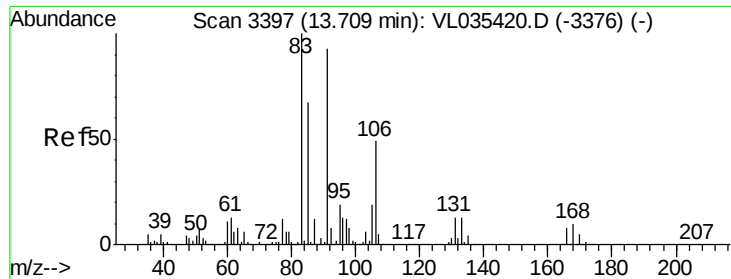


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

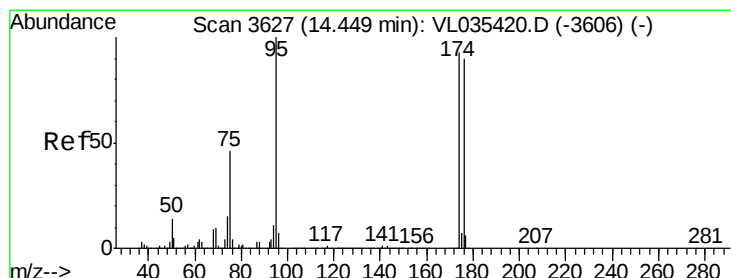
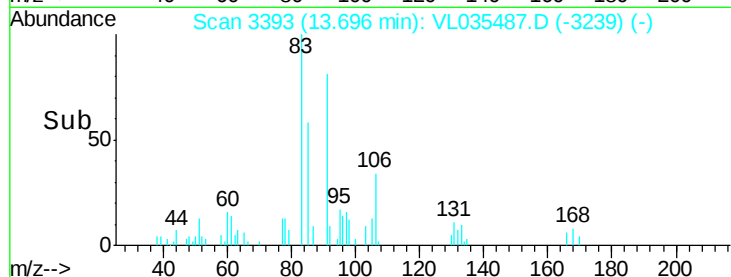
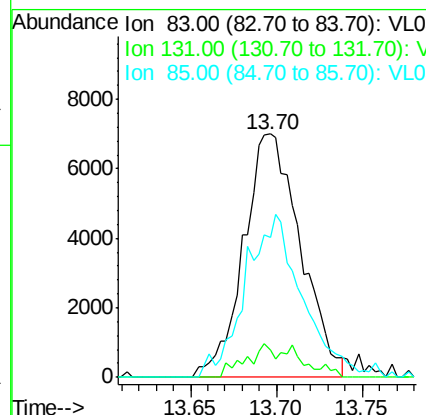
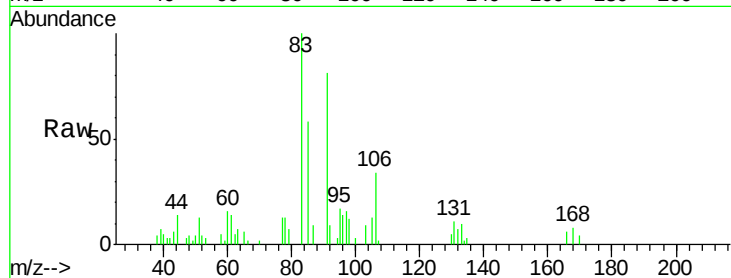




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.051 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. -0.01 min
 Lab File: VL035487.D
 Acq: 21 Aug 2020 6:47

Instrument :
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Tot Ion: 83 Resp: 16088
 Ion Ratio Lower Upper
 83 100
 131 12.6 4.5 13.4
 85 68.1 32.7 98.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.087 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL035487.D
 Acq: 21 Aug 2020 6:47

Tgt Ion: 95 Resp: 3145947
 Ion Ratio Lower Upper
 95 100
 174 91.3 44.0 66.0#
 175 6.5 3.2 4.8#

