

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035686.D
 Acq On : 21 Sep 2020 15:12
 Operator : SY/AP
 Sample : L4016-01DL2DUP 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL2DUP

Quant Time: Sep 22 01:28:20 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	5.63	49	1033098	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3939168	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3966220	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2894916	10.28	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

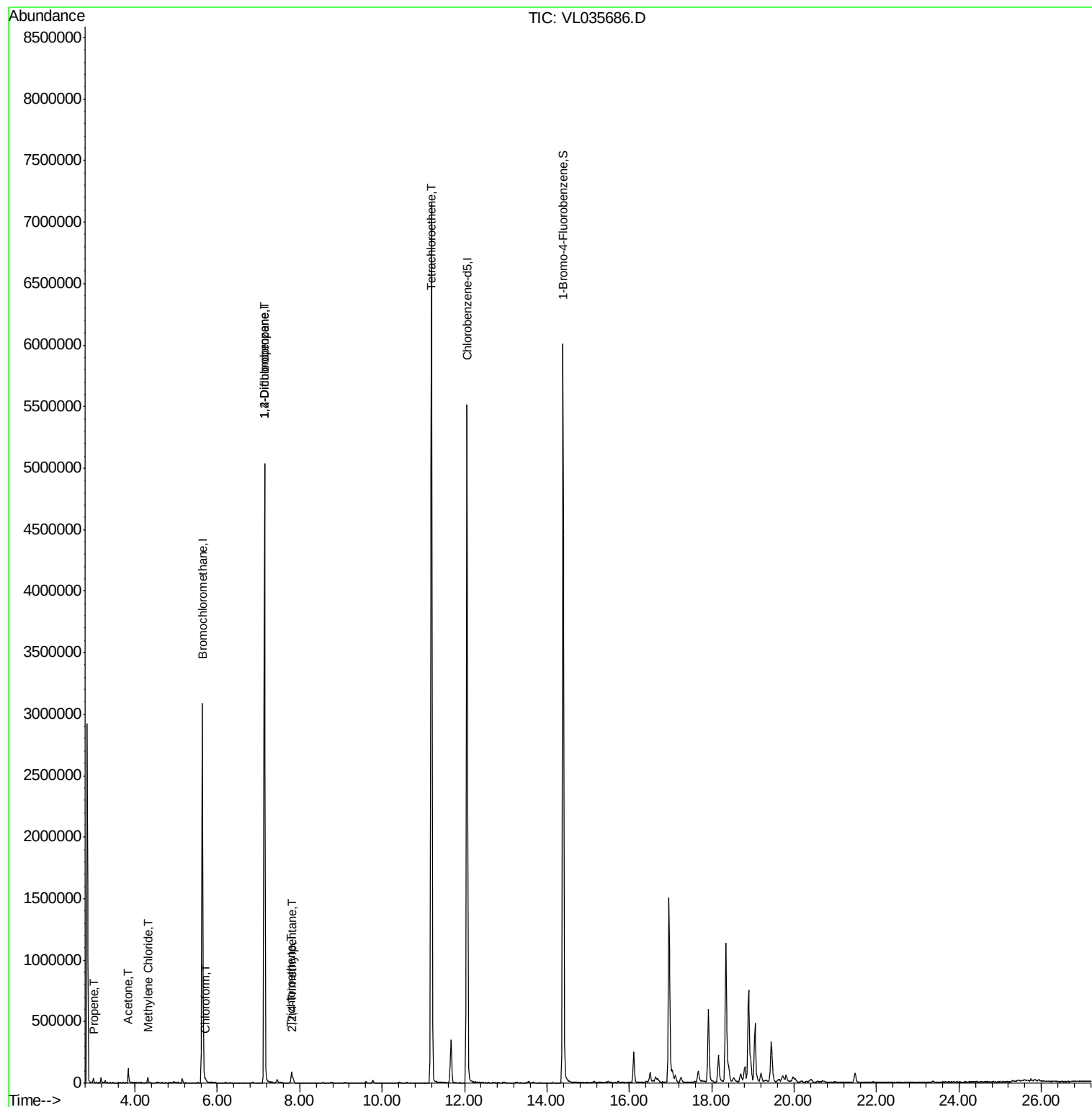
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	8463	0.192	ppbv #	80
15) Acetone	3.83	43	104296	0.915	ppbv	92
20) Methylene Chloride	4.32	84	18759	0.221	ppbv	97
29) Chloroform	5.72	83	10463	0.045	ppbv	90
38) Trichloroethene	7.80	130	31235	0.211	ppbv	97
39) 1,2-Dichloropropane	7.14	63	758161	8.802	ppbv #	32
44) 2,2,4-Trimethylpentane	7.83	57	15794	0.047	ppbv #	46
52) Tetrachloroethene	11.20	164	1949315	13.086	ppbv	95

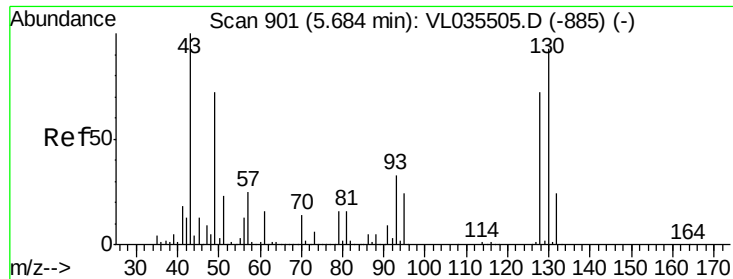
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.03 min

Lab File: VL035686.D

Acq: 21 Sep 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL2DUP

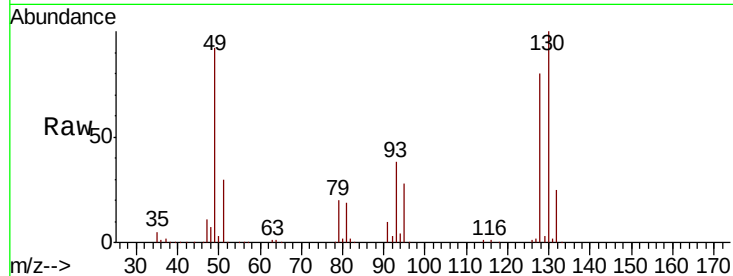
Tot Ion: 49 Resp: 1033098

Ion Ratio Lower Upper

49 100

128 87.4 50.0 150.1

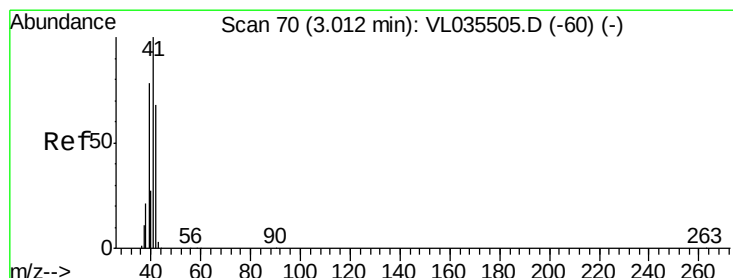
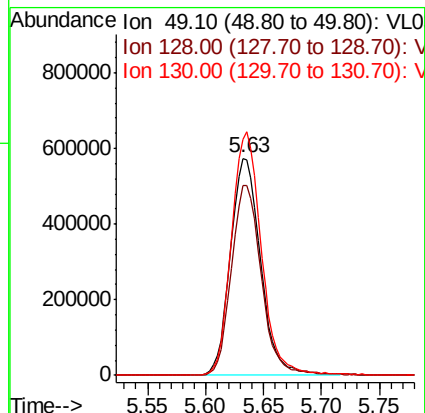
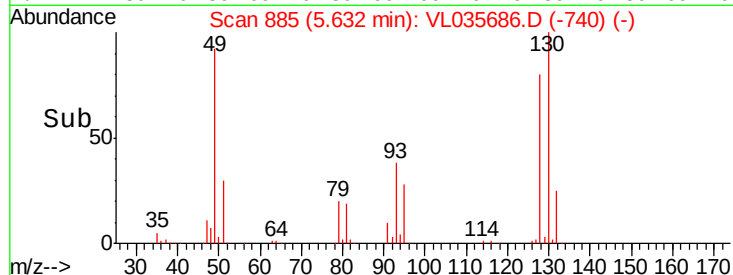
130 111.7 64.4 193.2



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: 0.192 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL035686.D

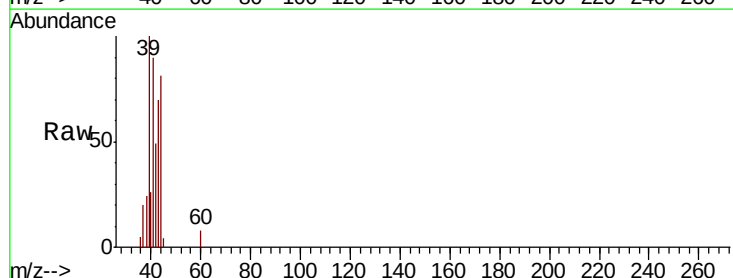
Acq: 21 Sep 2020 15:12

Tgt Ion: 41 Resp: 8463

Ion Ratio Lower Upper

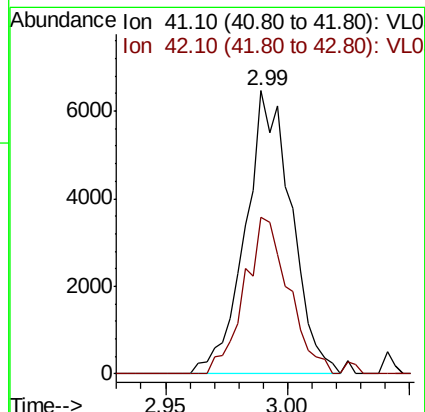
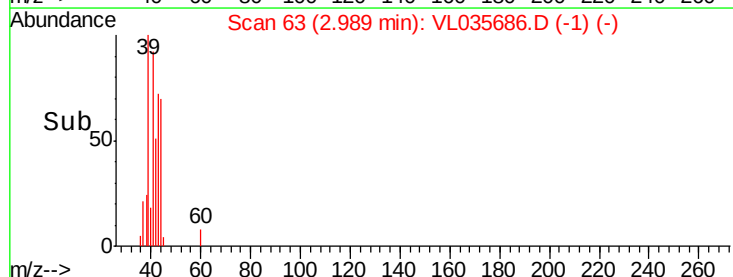
41 100

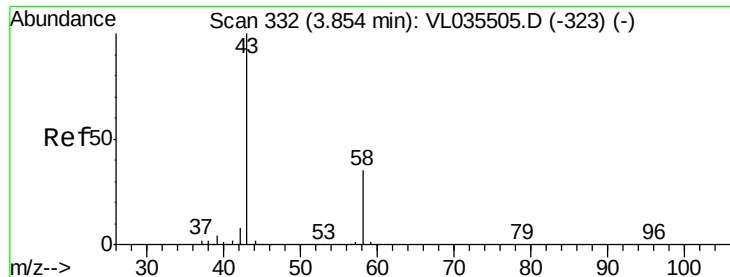
42 54.2 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.915 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL035686.D

Acq: 21 Sep 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

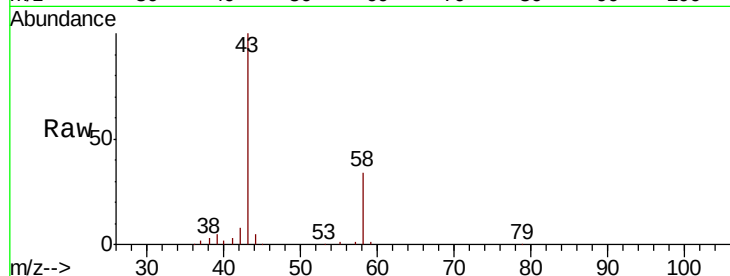
SV-13DL2DUP

Tot Ion: 43 Resp: 104296

Ion Ratio Lower Upper

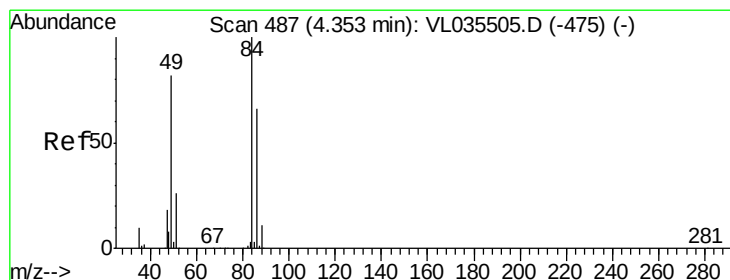
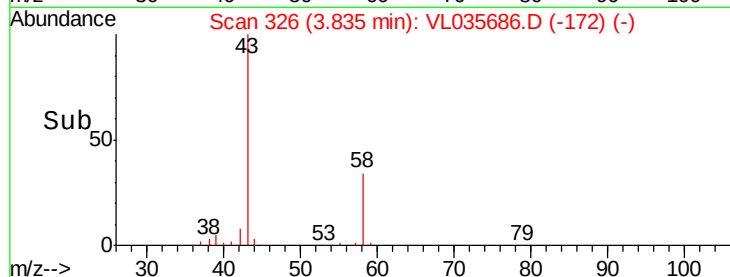
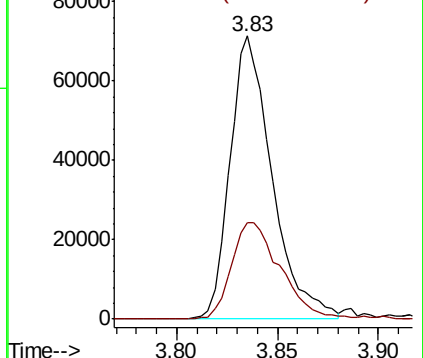
43 100

58 40.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.221 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.02 min

Lab File: VL035686.D

Acq: 21 Sep 2020 15:12

Tgt Ion: 84 Resp: 18759

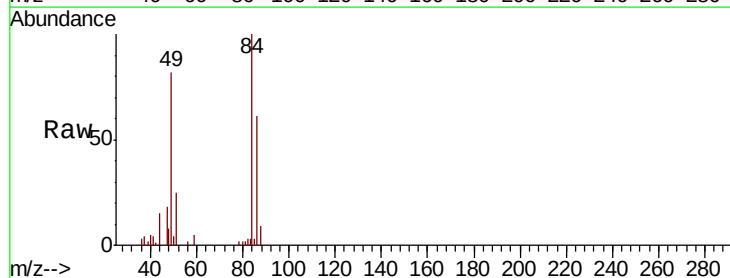
Ion Ratio Lower Upper

84 100

49 82.0 65.4 98.0

51 24.6 21.5 32.3

86 61.0 52.9 79.3

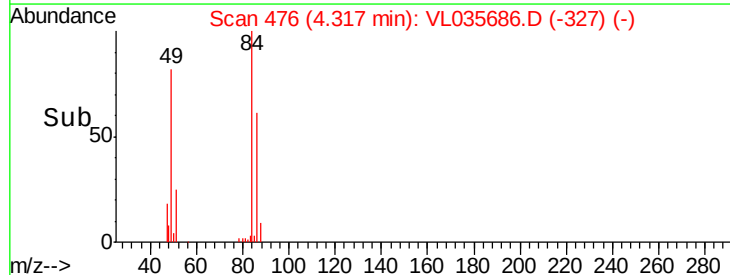
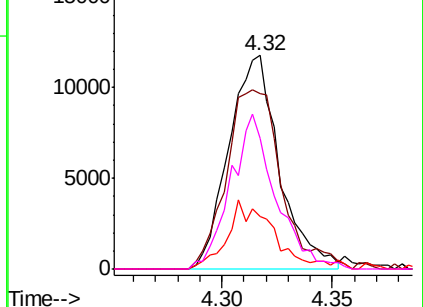


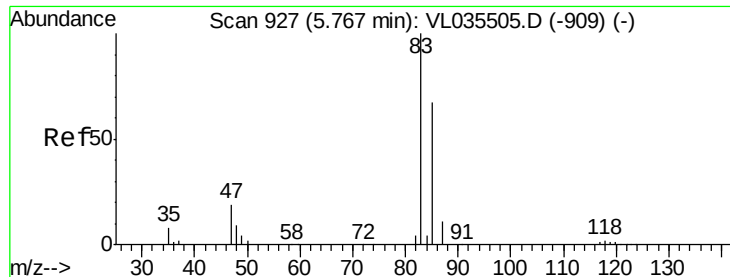
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#29

Chloroform

Concen: 0.045 ppbv

RT: 5.72 min Scan# 911

Delta R.T. -0.03 min

Lab File: VL035686.D

Acq: 21 Sep 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

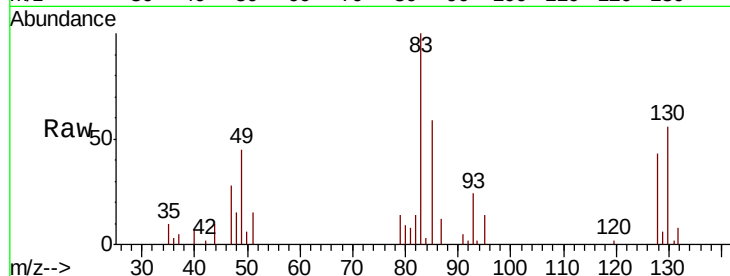
SV-13DL2DUP

Tot Ion: 83 Resp: 10463

Ion Ratio Lower Upper

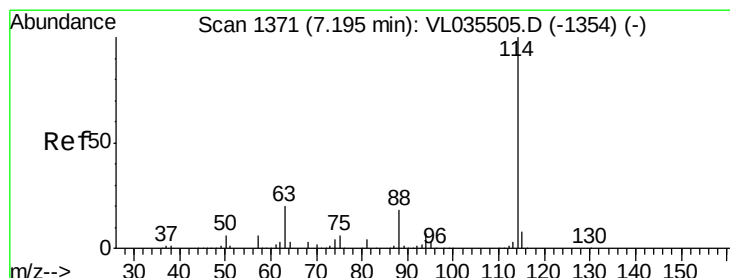
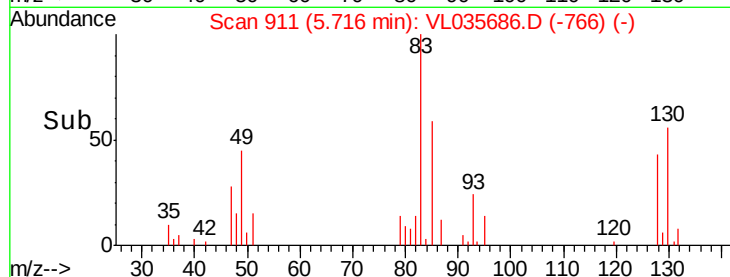
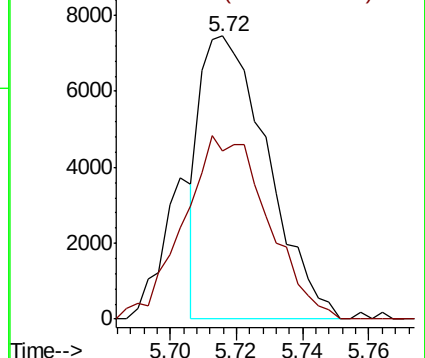
83 100

85 59.3 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.03 min

Lab File: VL035686.D

Acq: 21 Sep 2020 15:12

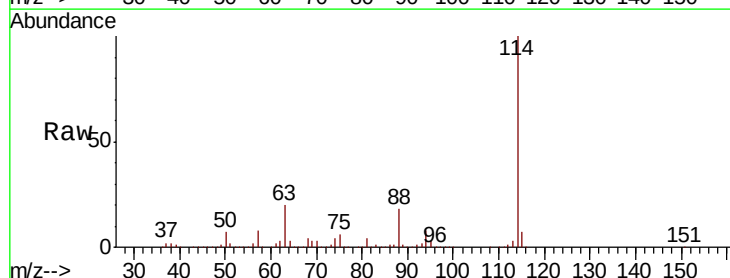
Tgt Ion: 114 Resp: 3939168

Ion Ratio Lower Upper

114 100

63 19.4 14.7 22.1

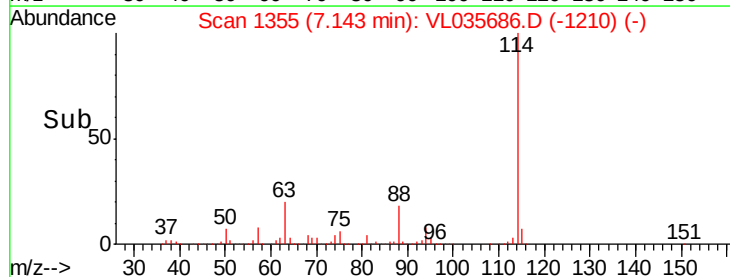
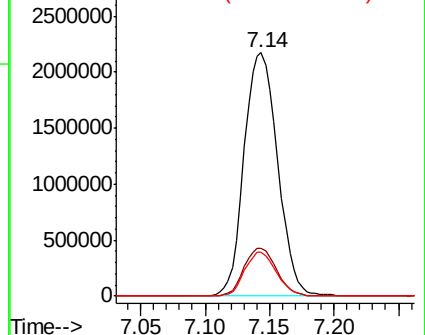
88 17.2 13.4 20.2

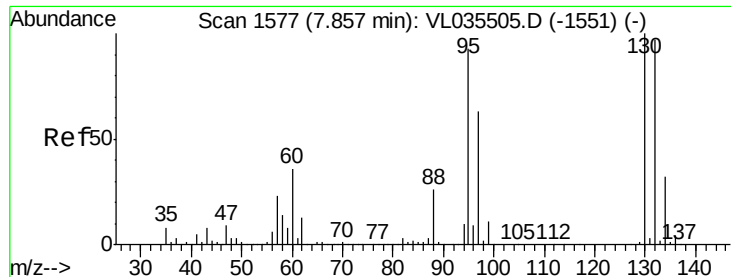


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

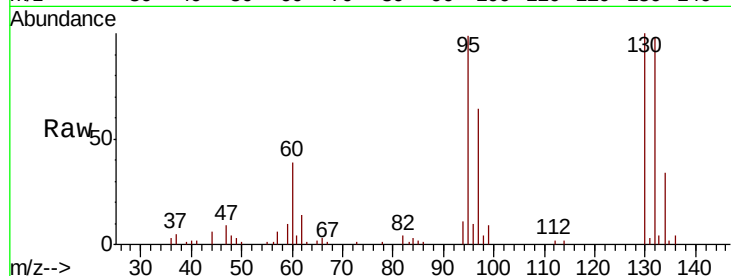




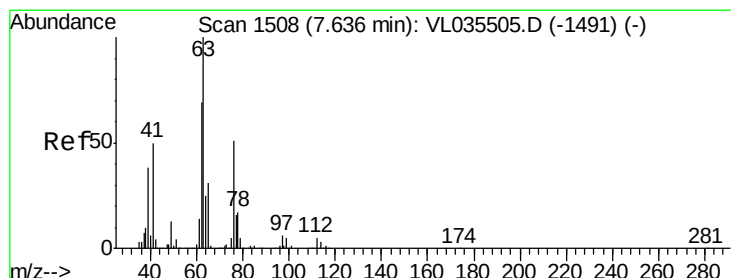
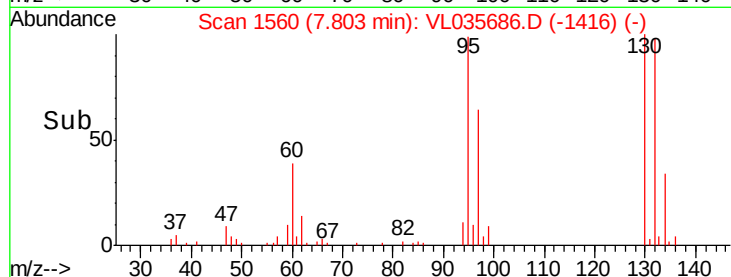
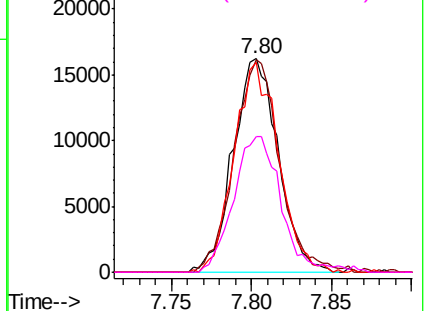
#38
 Trichloroethene
 Concen: 0.211 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.04 min
 Lab File: VL035686.D
 Acq: 21 Sep 2020 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL2DUP

Tot Ion:130	Resp:	31235
Ion Ratio	Lower	Upper
130 100		
95 99.3	74.6	112.0
132 98.3	77.6	116.4
97 63.8	50.6	76.0

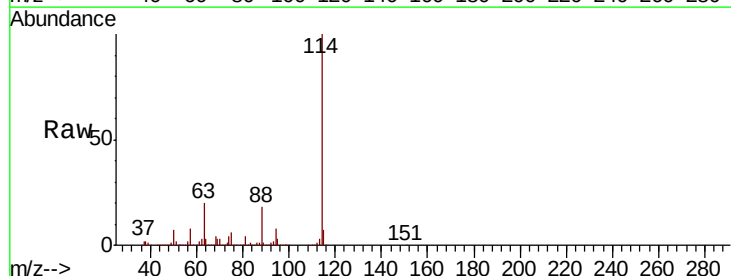


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

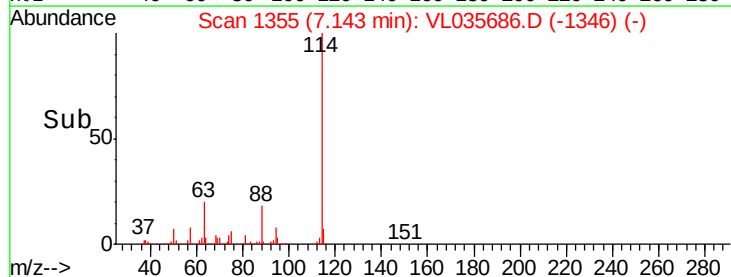
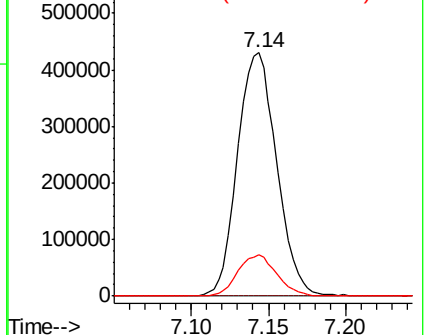


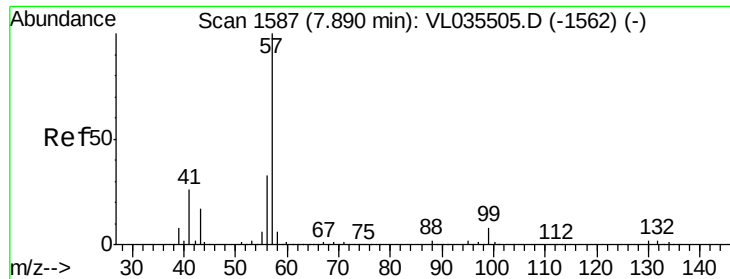
#39
 1,2-Dichloropropane
 Concen: 8.802 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.47 min
 Lab File: VL035686.D
 Acq: 21 Sep 2020 15:12

Tgt	Ion: 63	Resp:	758161
Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	17.1	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





#44

2,2,4-Trimethylpentane

Concen: 0.047 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.04 min

Lab File: VL035686.D

Acq: 21 Sep 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL2DUP

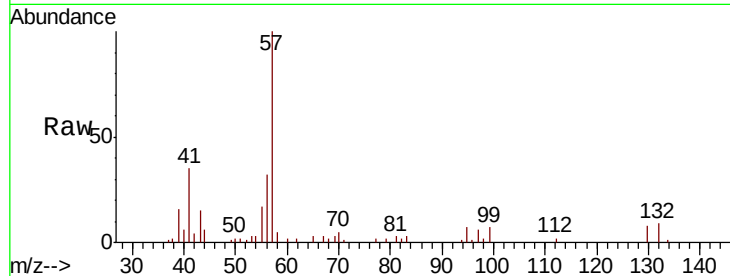
Tot Ion: 57 Resp: 15794

Ion Ratio Lower Upper

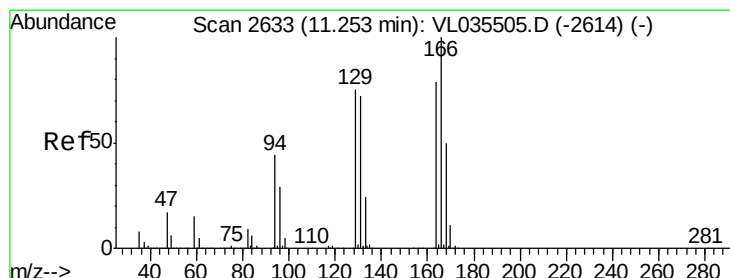
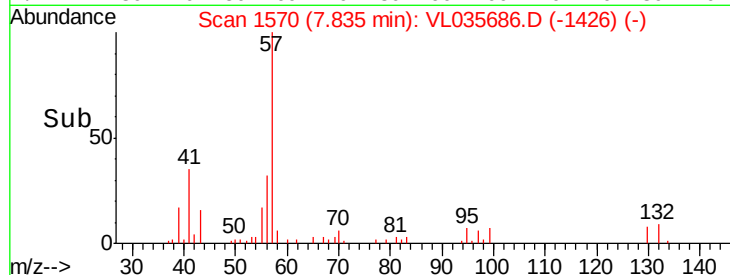
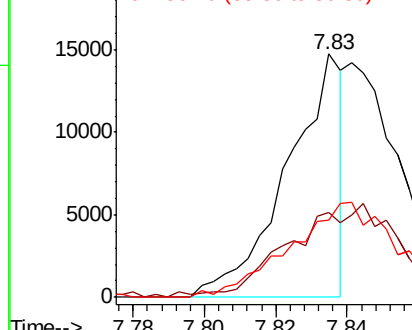
57 100

41 0.0 20.5 30.7#

56 0.0 25.3 37.9#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#52

Tetrachloroethene

Concen: 13.086 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.03 min

Lab File: VL035686.D

Acq: 21 Sep 2020 15:12

Tgt Ion:164 Resp: 1949315

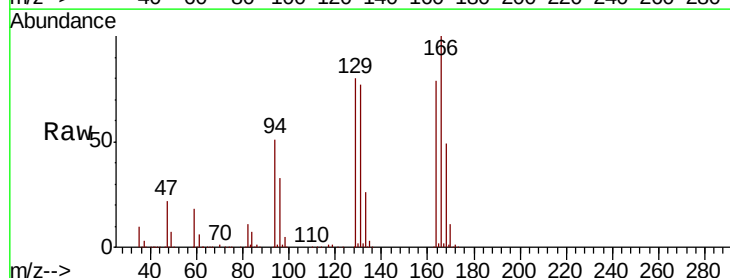
Ion Ratio Lower Upper

164 100

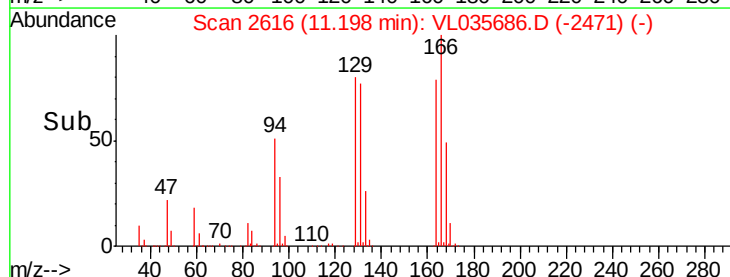
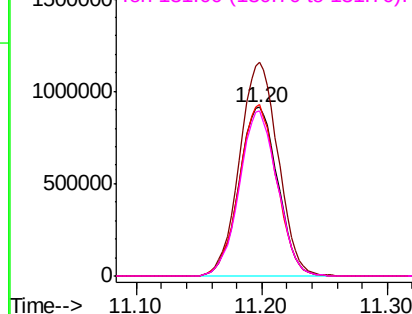
166 126.6 100.9 151.3

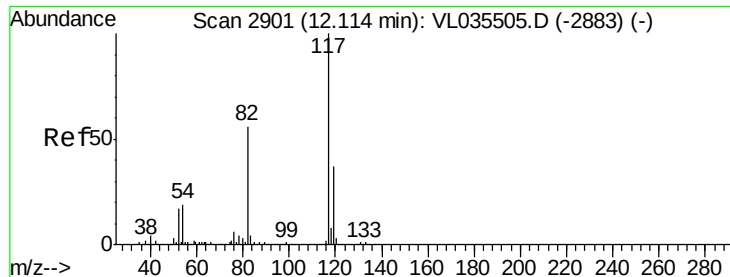
129 101.5 75.3 112.9

131 98.0 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# 2884

Delta R.T. -0.04 min

Lab File: VL035686.D

Acq: 21 Sep 2020 15:12

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL2DUP

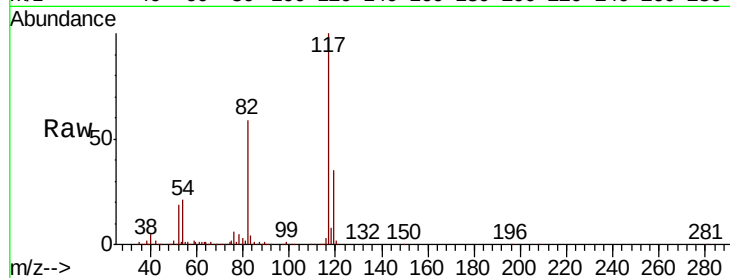
Tot Ion:117 Resp: 3966220

Ion Ratio Lower Upper

117 100

82 57.6 41.6 62.4

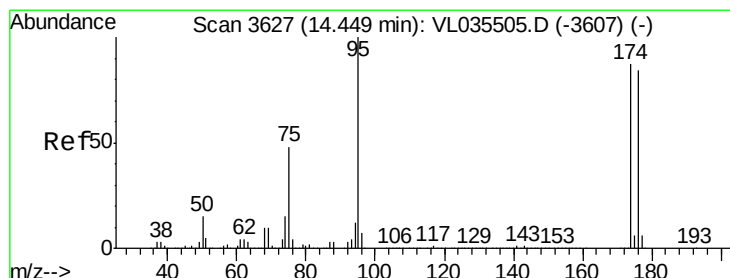
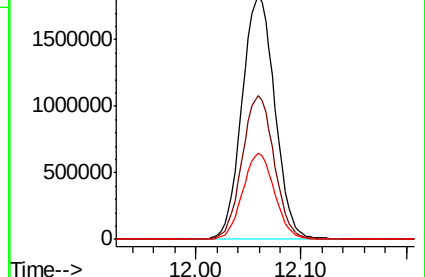
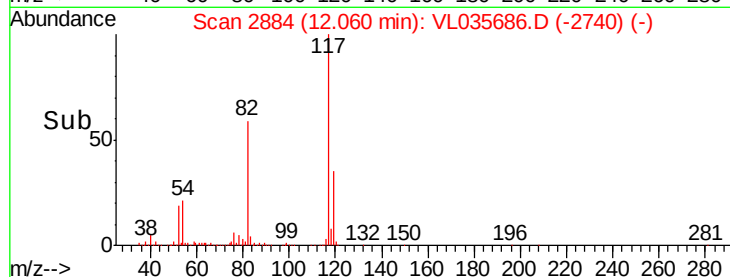
119 34.4 29.3 43.9



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: 10.278 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL035686.D

Acq: 21 Sep 2020 15:12

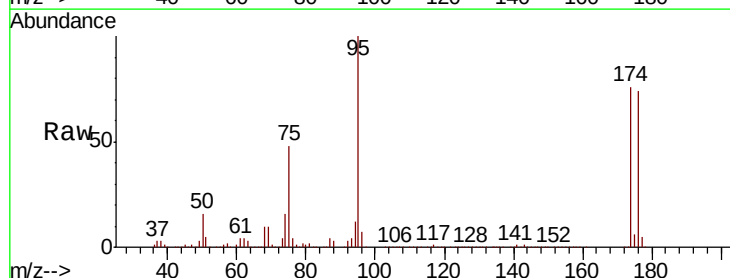
Tgt Ion: 95 Resp: 2894916

Ion Ratio Lower Upper

95 100

174 77.9 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

