

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035669.D
 Acq On : 17 Sep 2020 23:15
 Operator : SY/AP
 Sample : L3983-05DL2 300X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL2

Quant Time: Sep 18 05:09:36 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	5.67	49	1146787	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4441337	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4381143	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3191815	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

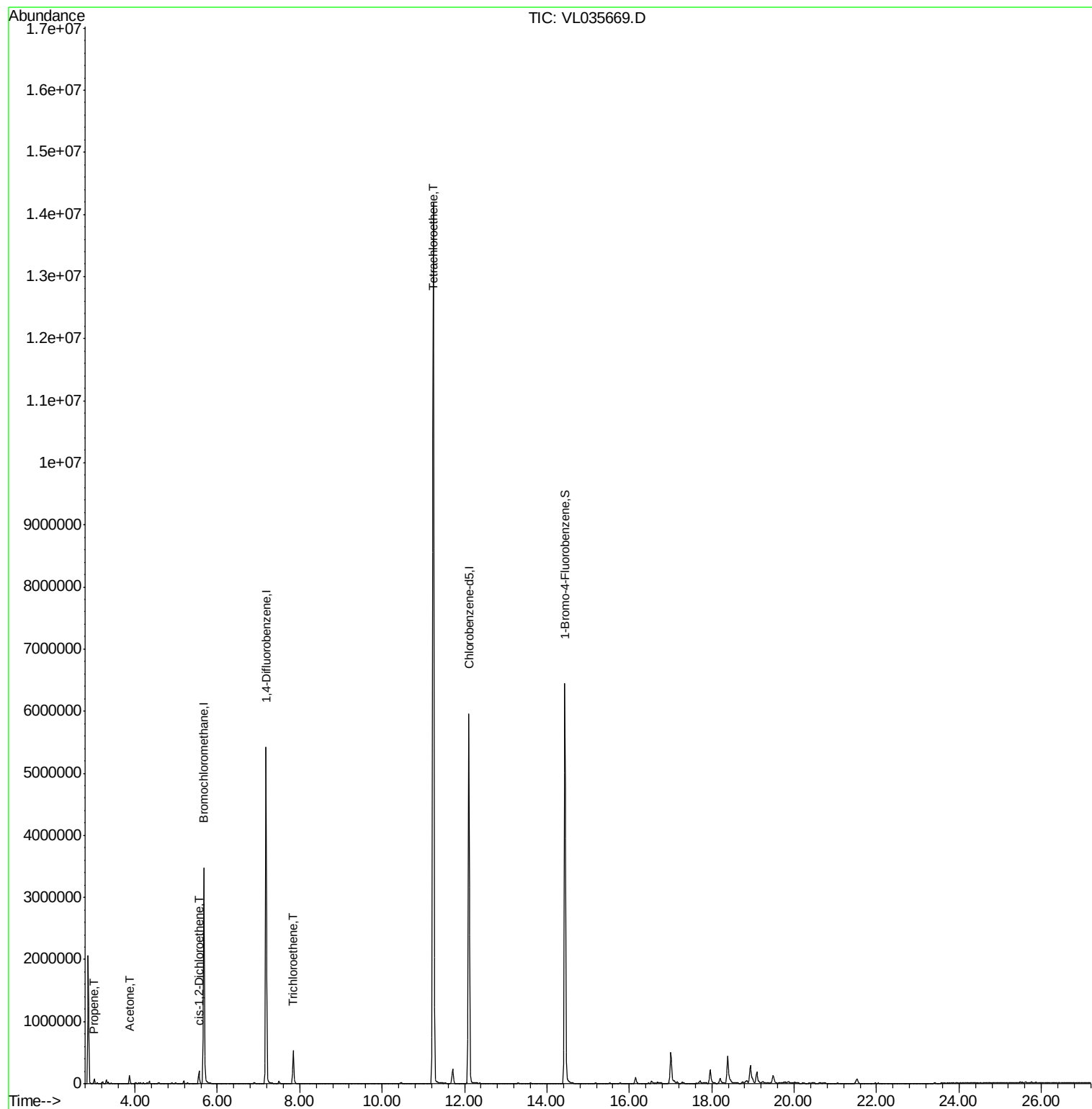
Target Compounds					Ovalue
9) Propene	3.01	41	31674	0.648 ppbv	96
15) Acetone	3.87	43	115640	0.914 ppbv	92
31) cis-1,2-Dichloroethene	5.55	61	101093	0.778 ppbv	96
38) Trichloroethene	7.85	130	185231	1.109 ppbv	98
52) Tetrachloroethene	11.24	164	4113648	24.493 ppbv	92

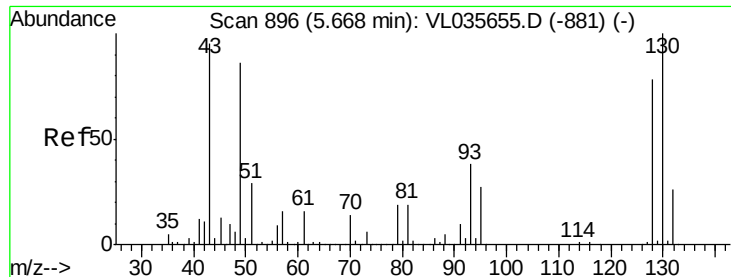
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

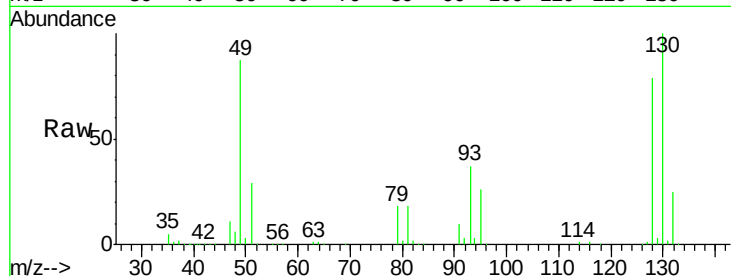
Tot Ion: 49 Resp: 1146787

Ion Ratio Lower Upper

49 100

128 89.5 50.0 150.1

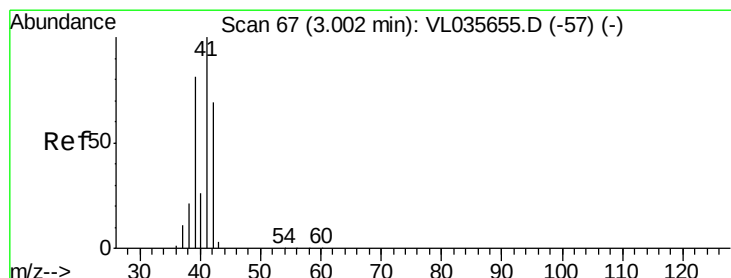
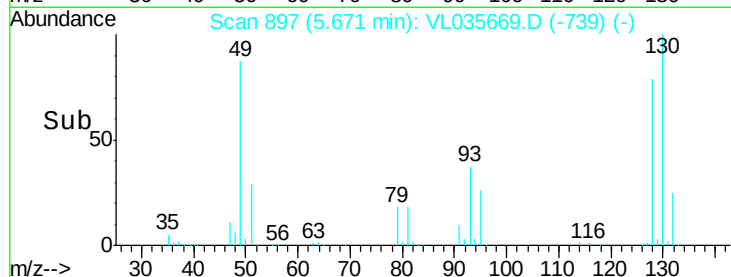
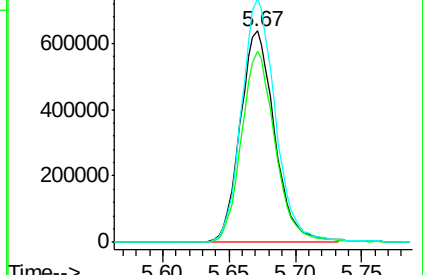
130 114.9 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.648 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035669.D

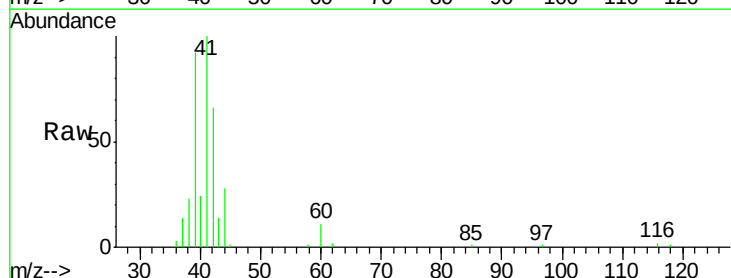
Acq: 17 Sep 2020 23:15

Tgt Ion: 41 Resp: 31674

Ion Ratio Lower Upper

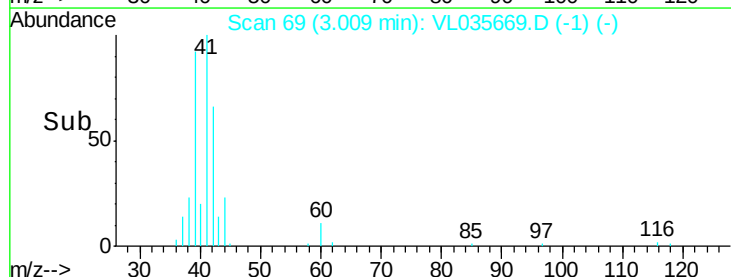
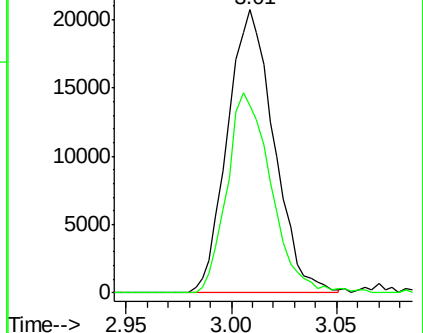
41 100

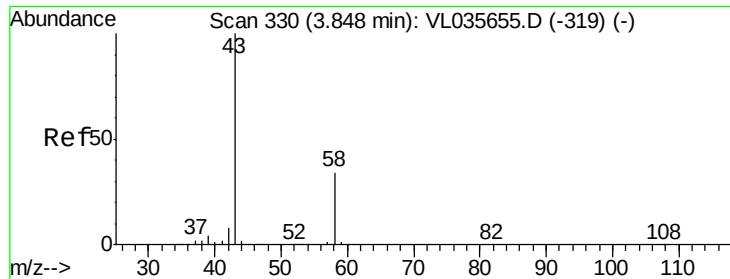
42 67.0 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.914 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.03 min

Lab File: VL035669.D

Acq: 17 Sep 2020 23:15

Instrument :

MSVOA_L

ClientSampleId :

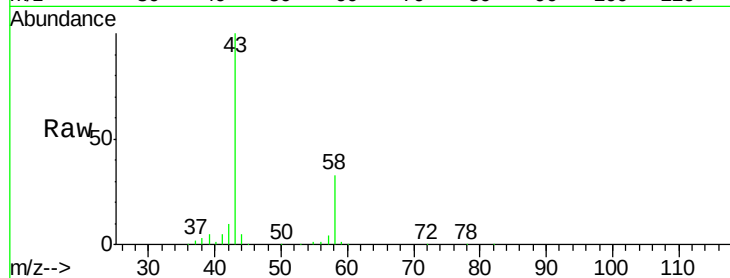
SV-11ADL2

Tot Ion: 43 Resp: 115640

Ion Ratio Lower Upper

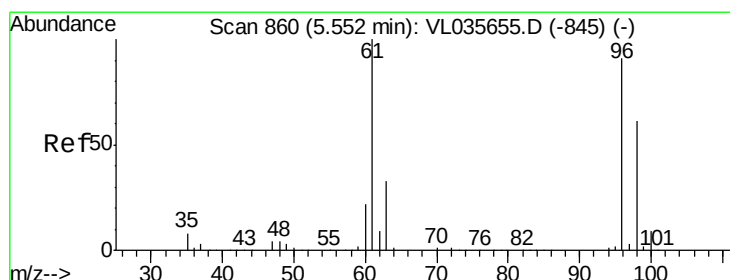
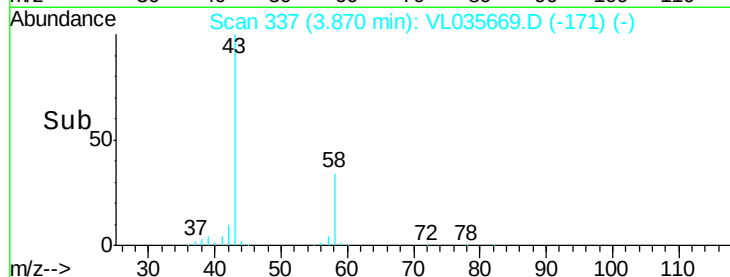
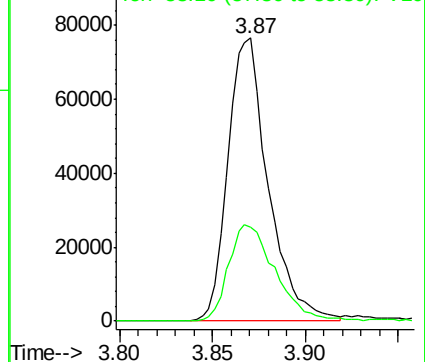
43 100

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



#31

cis-1,2-Dichloroethene

Concen: 0.778 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.01 min

Lab File: VL035669.D

Acq: 17 Sep 2020 23:15

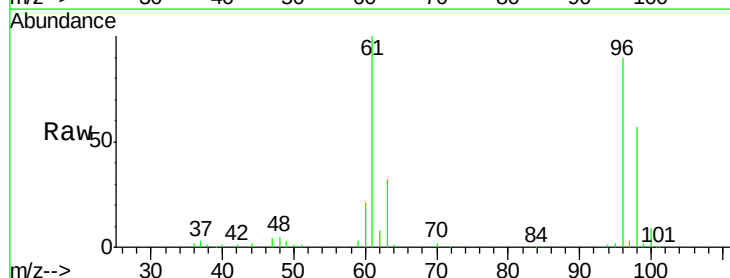
Tgt Ion: 61 Resp: 101093

Ion Ratio Lower Upper

61 100

96 90.4 74.4 111.6

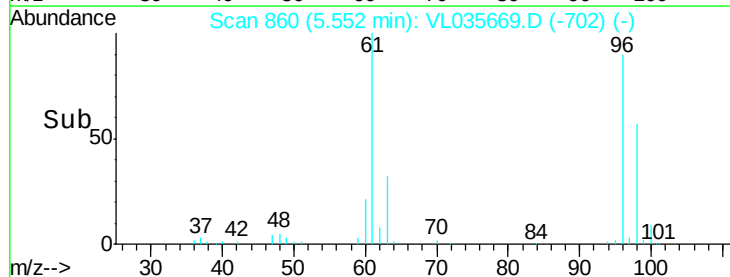
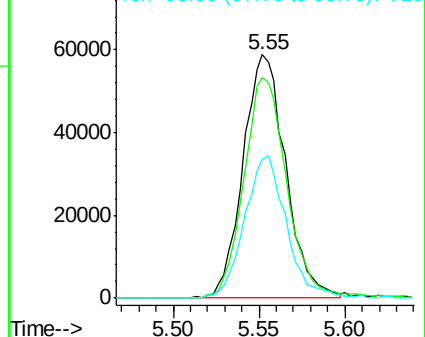
98 56.9 49.2 73.8

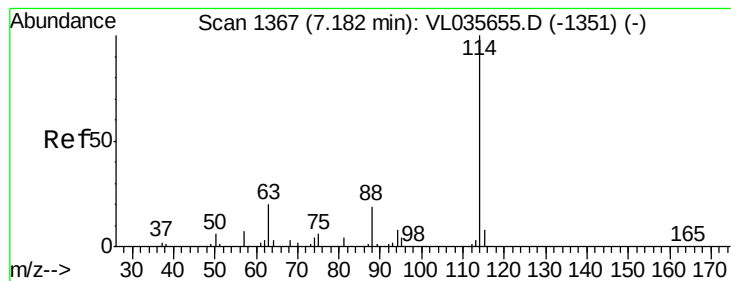


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL035669.D

Acq: 17 Sep 2020 23:15

Instrument :

MSVOA_L

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SV-11ADL2

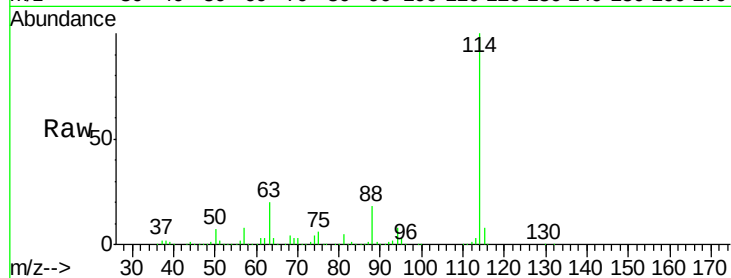
Tot Ion:114 Resp: 4441337

Ion Ratio Lower Upper

114 100

63 19.2 14.7 22.1

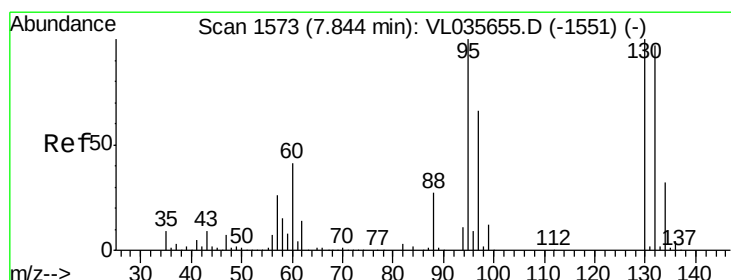
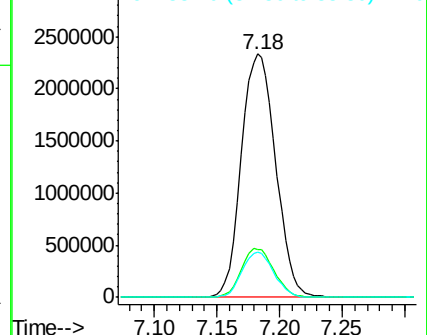
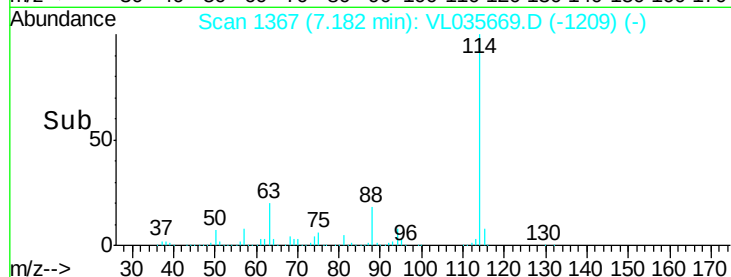
88 17.3 13.4 20.2



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: 1.109 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL035669.D

Acq: 17 Sep 2020 23:15

Tgt Ion:130 Resp: 185231

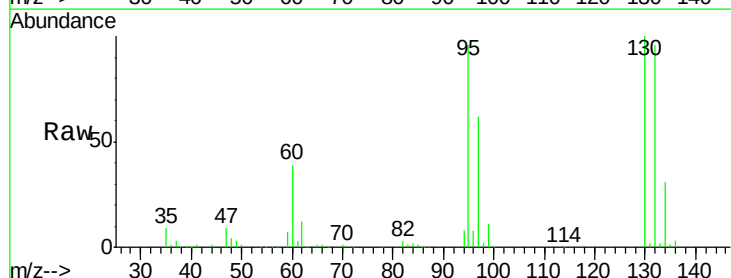
Ion Ratio Lower Upper

130 100

95 96.1 74.6 112.0

132 96.4 77.6 116.4

97 62.4 50.6 76.0

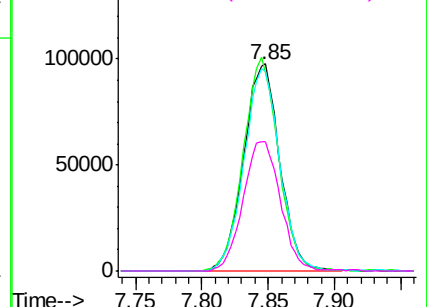
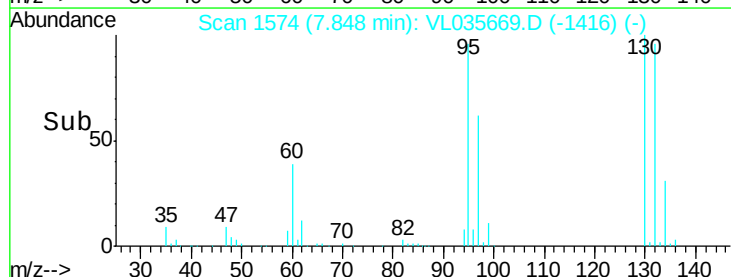


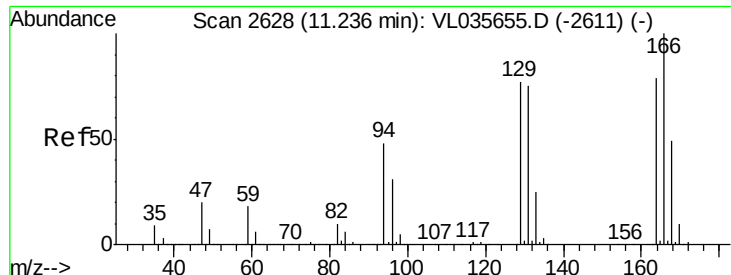
Abundance Ion 130.00 (129.70 to 130.70): V

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

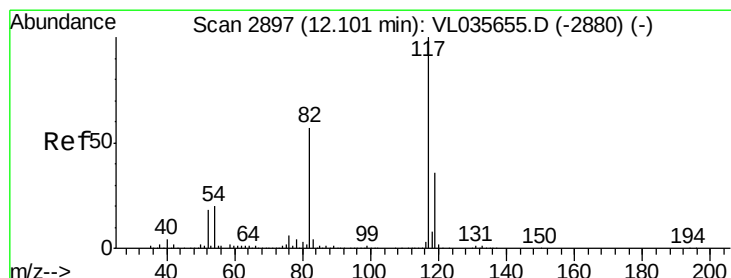
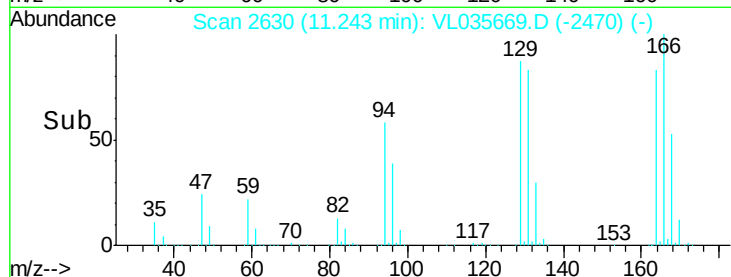
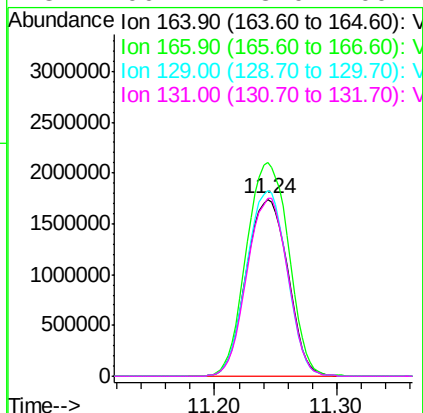
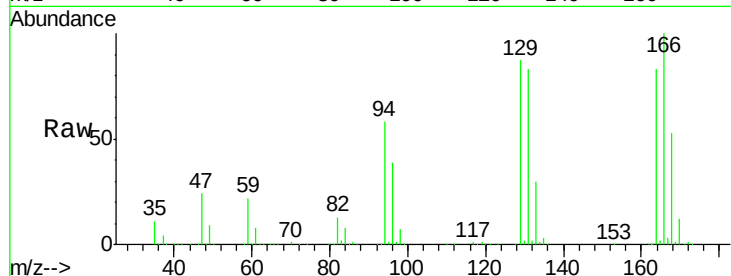




#52
Tetrachloroethene
Concen: 24.493 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL035669.D
Acq: 17 Sep 2020 23:15

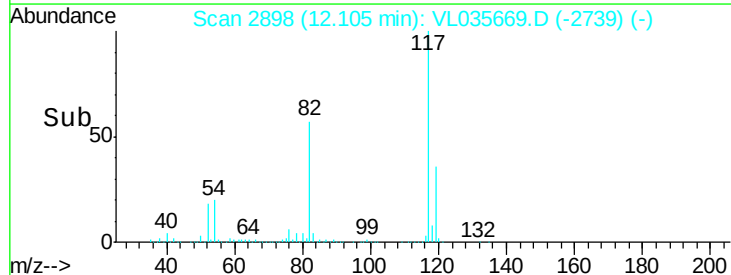
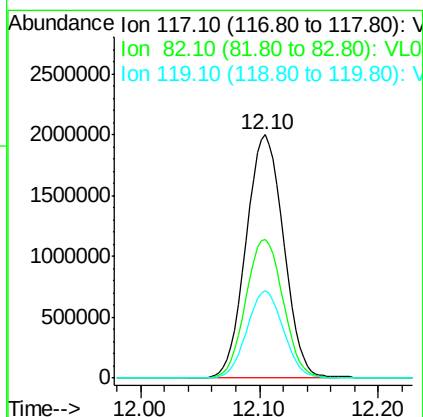
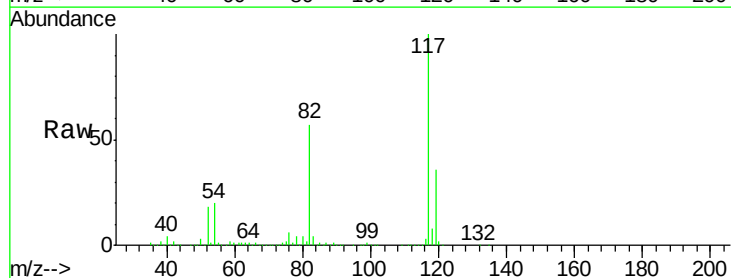
Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

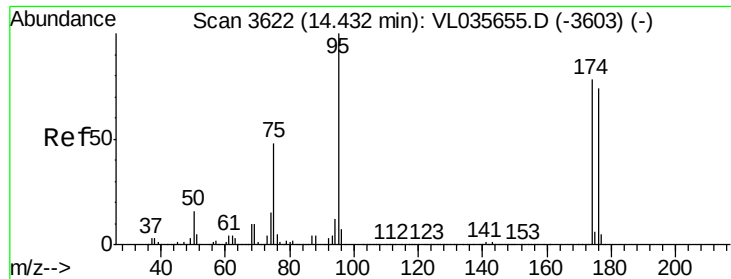
Tot Ion:164 Resp: 4113648
Ion Ratio Lower Upper
164 100
166 120.8 100.9 151.3
129 104.9 75.3 112.9
131 100.7 73.0 109.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL035669.D
Acq: 17 Sep 2020 23:15

Tgt Ion:117 Resp: 4381143
Ion Ratio Lower Upper
117 100
82 57.2 41.6 62.4
119 34.8 29.3 43.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.259 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL035669.D

Acq: 17 Sep 2020 23:15

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

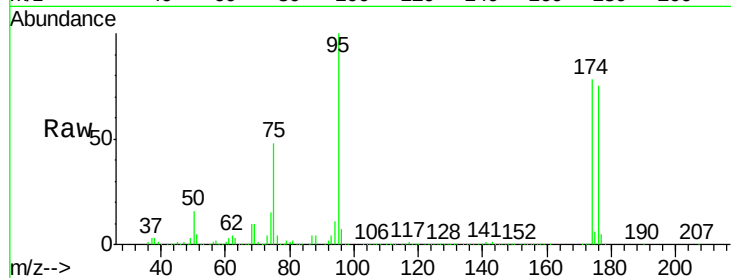
Tot Ion: 95 Resp: 3191815

Ion Ratio Lower Upper

95 100

174 79.4 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

