

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035660.D
 Acq On : 17 Sep 2020 17:27
 Operator : SY/AP
 Sample : L4016-02DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-14DL2

Quant Time: Sep 18 04:18:46 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	1152254	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4499528	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4449830	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3291545	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

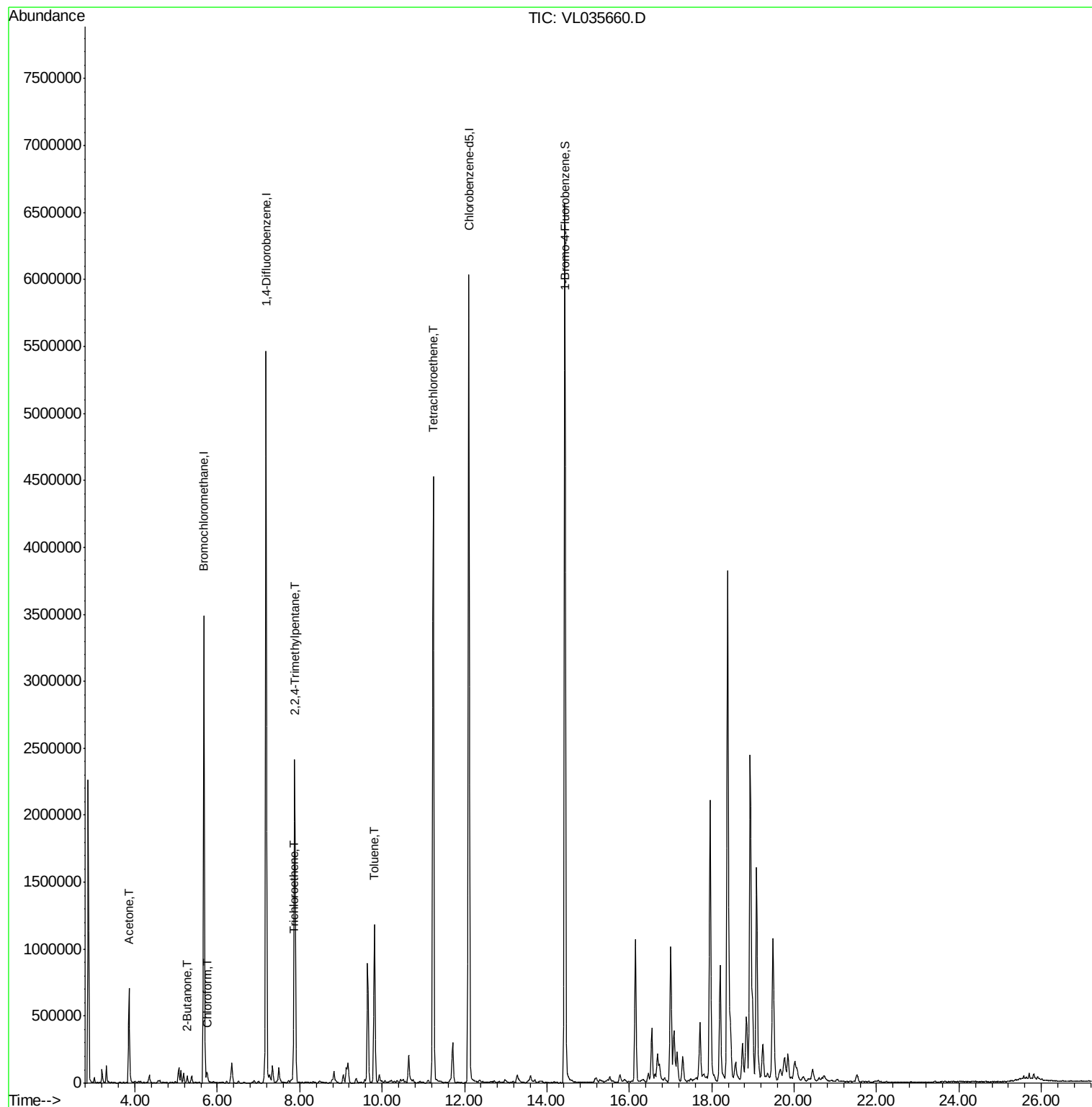
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	719403	5.661	ppbv	98
29) Chloroform	5.76	83	44717	0.173	ppbv	88
34) 2-Butanone	5.27	43	48164	0.361	ppbv	100
38) Trichloroethene	7.85	130	39131	0.231	ppbv	95
44) 2,2,4-Trimethylpentane	7.88	57	2390812	6.239	ppbv	98
52) Tetrachloroethene	11.24	164	1268252	7.454	ppbv	96
53) Toluene	9.82	91	53289	0.145	ppbv	97

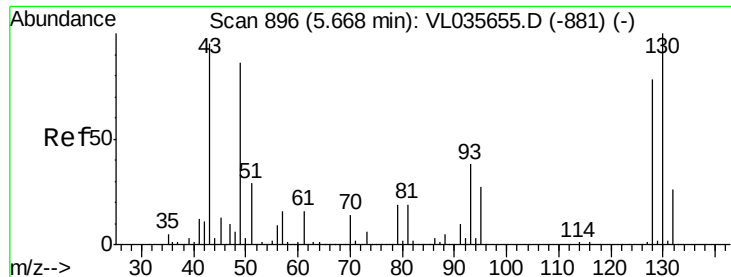
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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SV-14DL2

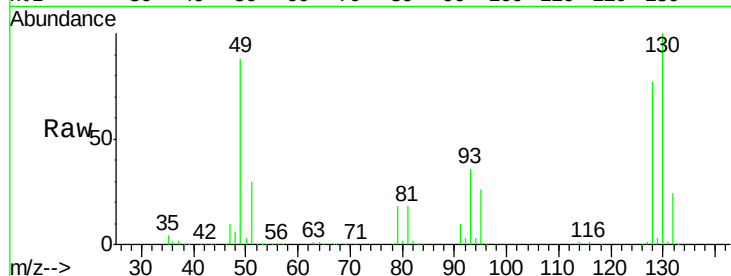
Tot Ion: 49 Resp: 1152254

Ion Ratio Lower Upper

49 100

128 87.7 50.0 150.1

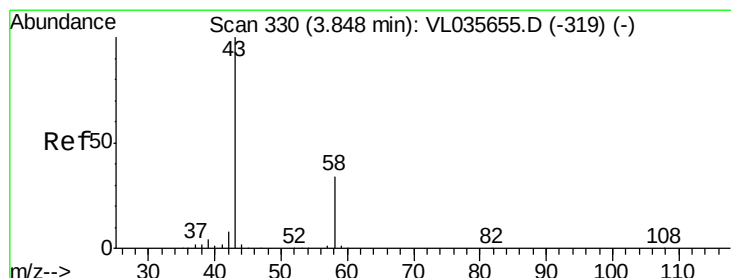
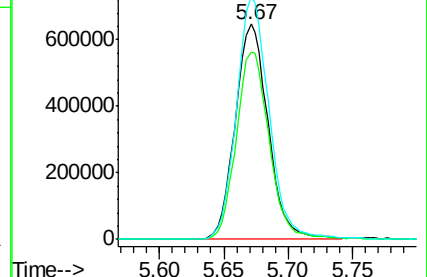
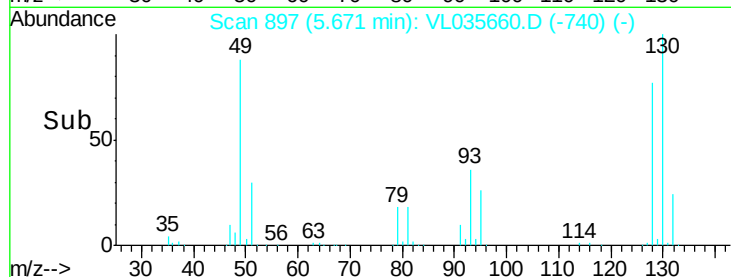
130 111.9 64.4 193.2



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



#15

Acetone

Concen: 5.661 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL035660.D

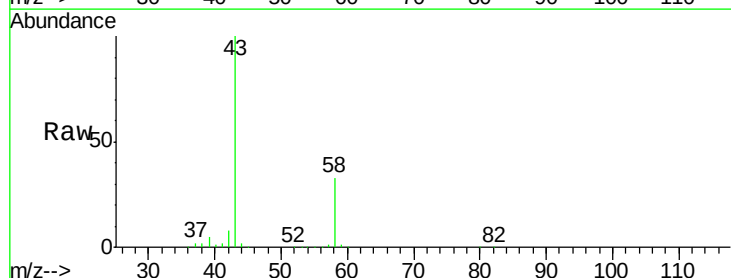
Acq: 17 Sep 2020 17:27

Tgt Ion: 43 Resp: 719403

Ion Ratio Lower Upper

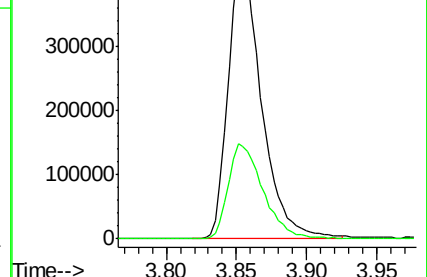
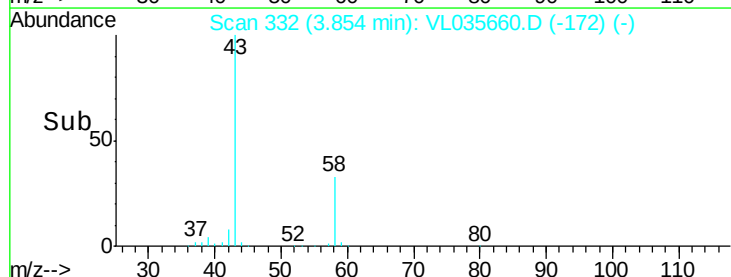
43 100

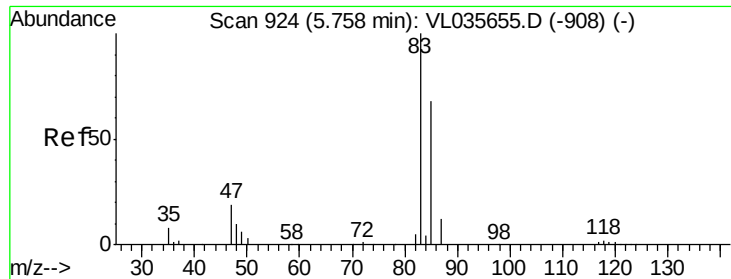
58 36.4 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

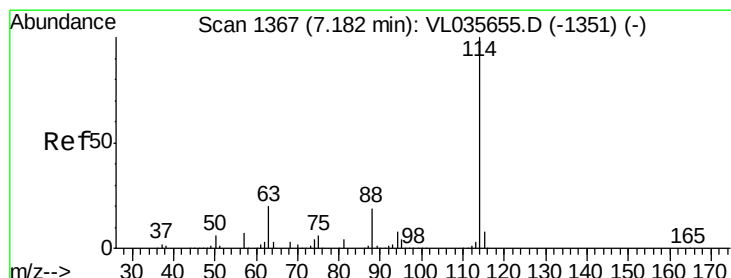
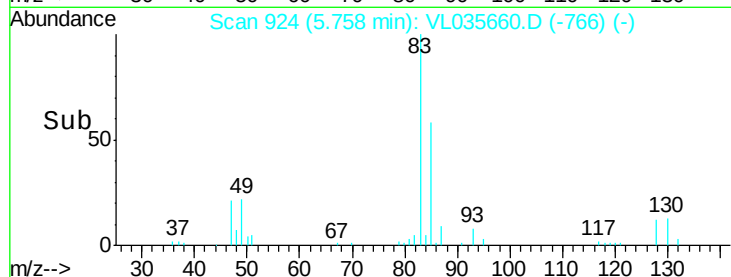
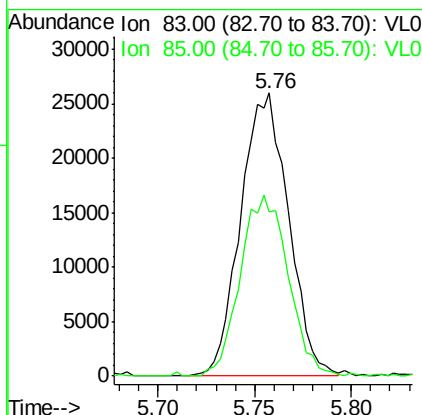
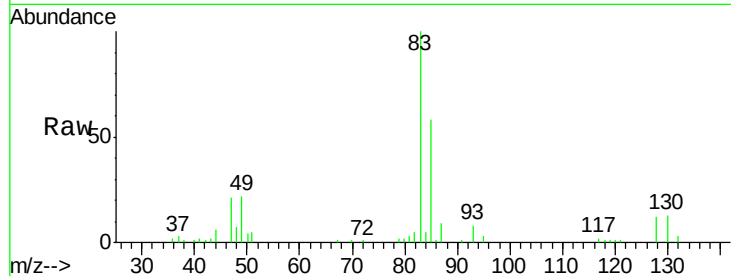




#29
Chloroform
Concen: 0.173 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL035660.D
Acq: 17 Sep 2020 17:27

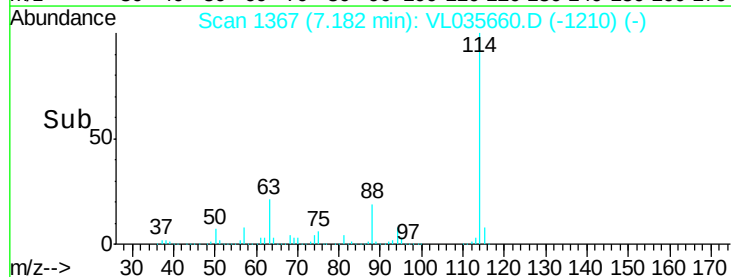
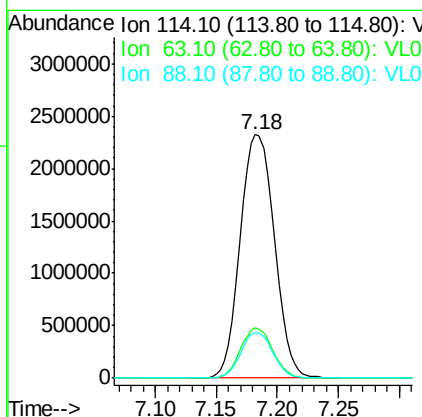
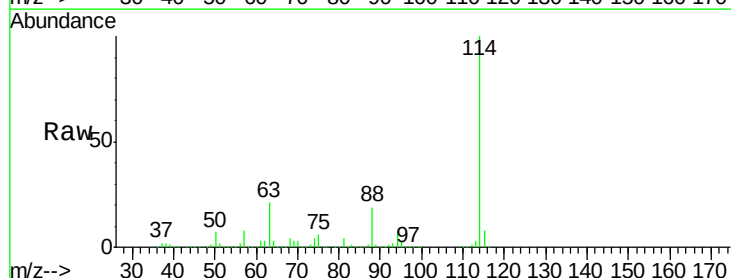
Instrument :
MSVOA_L
ClientSampleId :
SV-14DL2

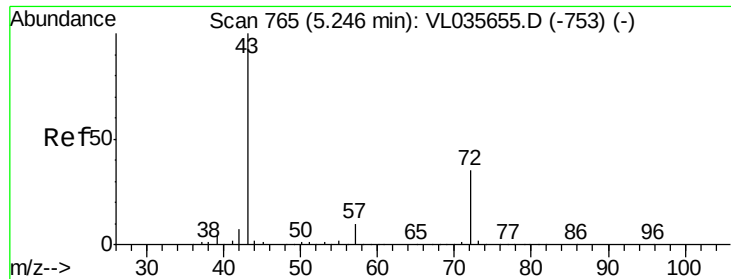
Tot Ion: 83 Resp: 44717
Ion Ratio Lower Upper
83 100
85 58.1 53.9 80.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL035660.D
Acq: 17 Sep 2020 17:27

Tgt Ion: 114 Resp: 4499528
Ion Ratio Lower Upper
114 100
63 19.5 14.7 22.1
88 17.6 13.4 20.2

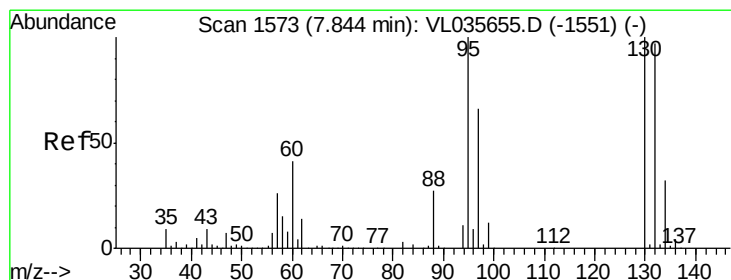
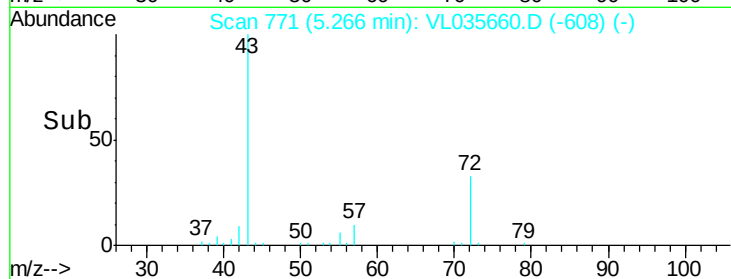
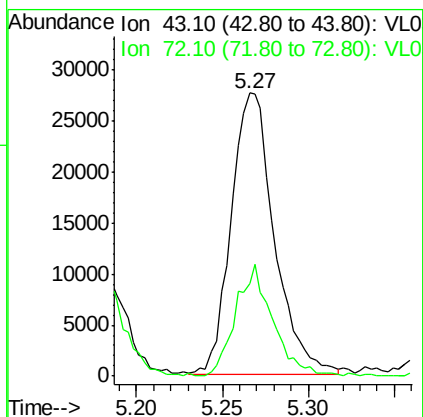
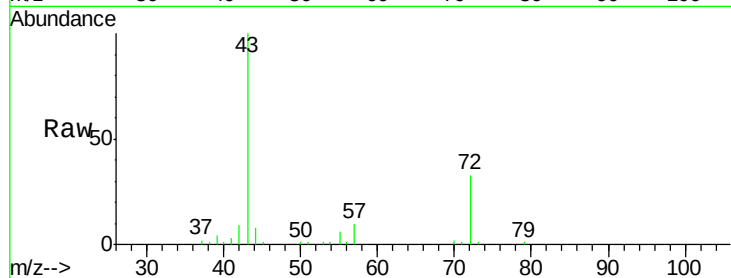




#34
2-Butanone
Concen: 0.361 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.03 min
Lab File: VL035660.D
Acq: 17 Sep 2020 17:27

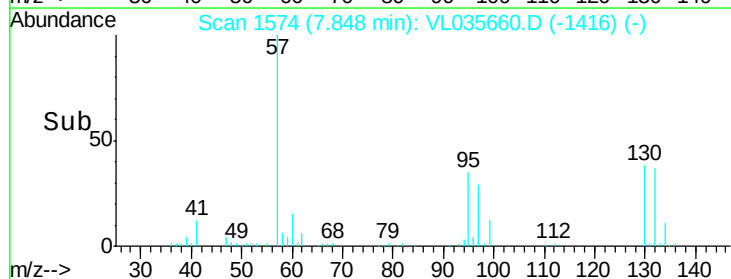
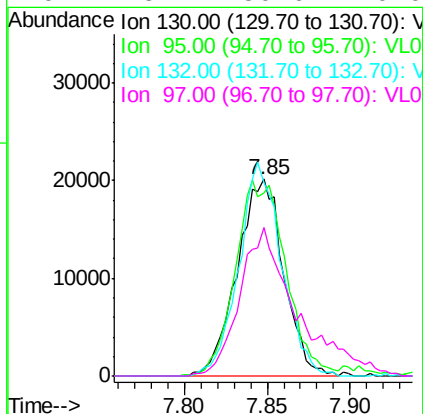
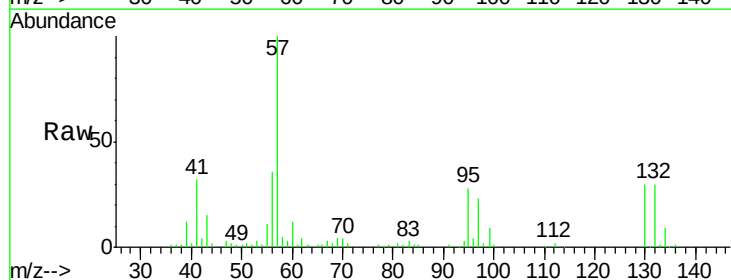
Instrument :
MSVOA_L
ClientSampleId :
SV-14DL2

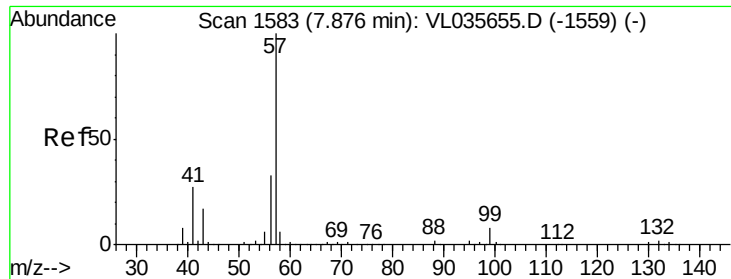
Tot Ion: 43 Resp: 48164
Ion Ratio Lower Upper
43 100
72 34.4 27.7 41.5



#38
Trichloroethene
Concen: 0.231 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VL035660.D
Acq: 17 Sep 2020 17:27

Tgt Ion:130 Resp: 39131
Ion Ratio Lower Upper
130 100
95 92.3 74.6 112.0
132 98.5 77.6 116.4
97 75.2 50.6 76.0

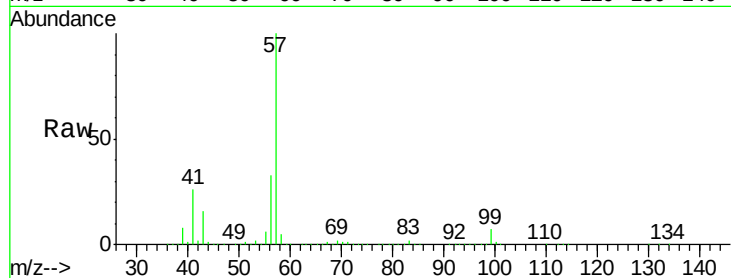




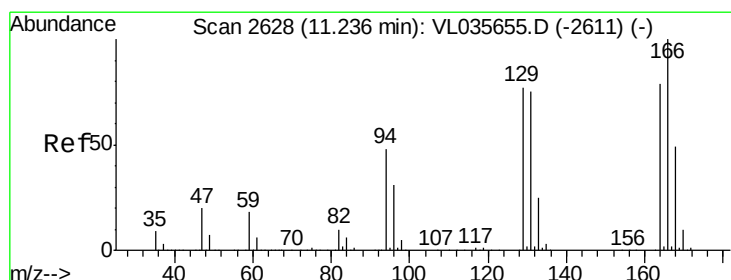
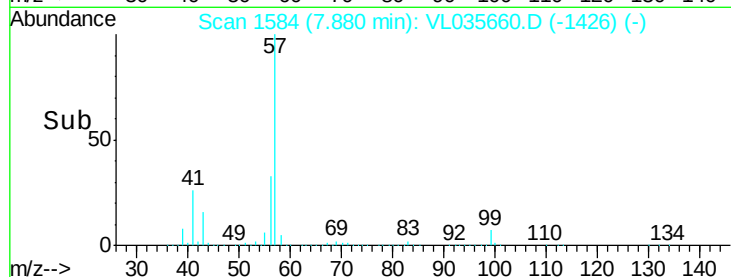
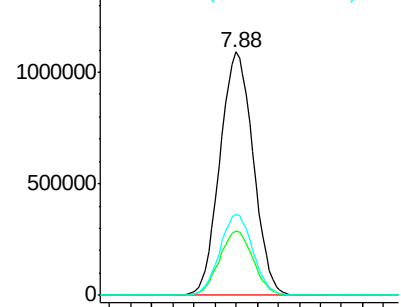
#44
 2,2,4-Trimethylpentane
 Concen: 6.239 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VL035660.D
 Acq: 17 Sep 2020 17:27

Instrument :
 MSVOA_L
 ClientSampled :
 SV-14DL2

Tot Ion: 57 Resp: 2390812
 Ion Ratio Lower Upper
 57 100
 41 26.6 20.5 30.7
 56 33.1 25.3 37.9

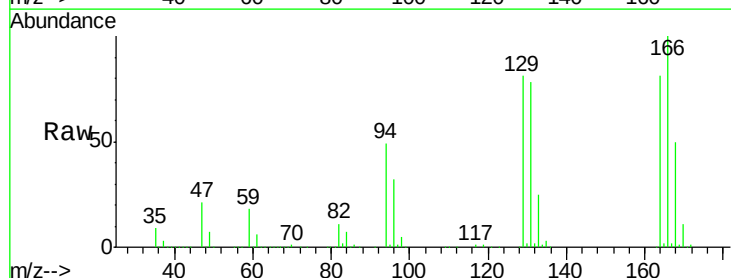


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

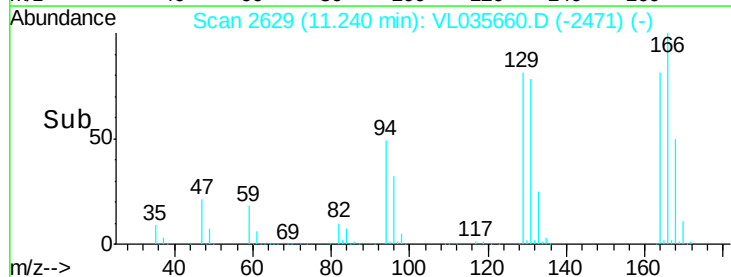
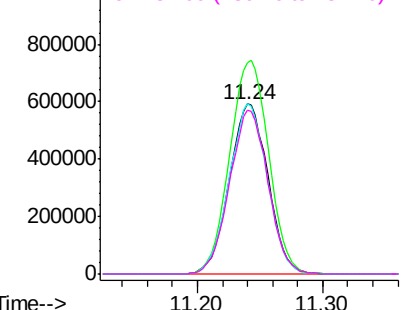


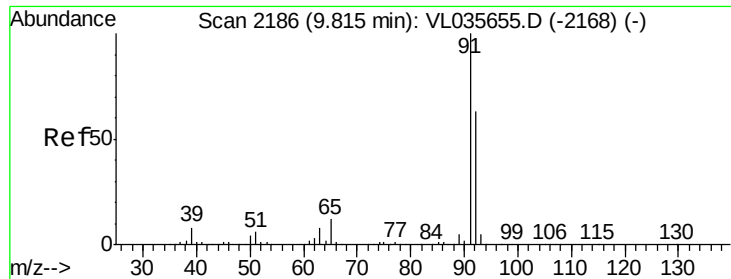
#52
 Tetrachloroethene
 Concen: 7.454 ppbv
 RT: 11.24 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: VL035660.D
 Acq: 17 Sep 2020 17:27

Tgt Ion: 164 Resp: 1268252
 Ion Ratio Lower Upper
 164 100
 166 123.9 100.9 151.3
 129 100.1 75.3 112.9
 131 96.4 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: 0.145 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL035660.D

Acq: 17 Sep 2020 17:27

Instrument :

MSVOA_L

ClientSampleId :

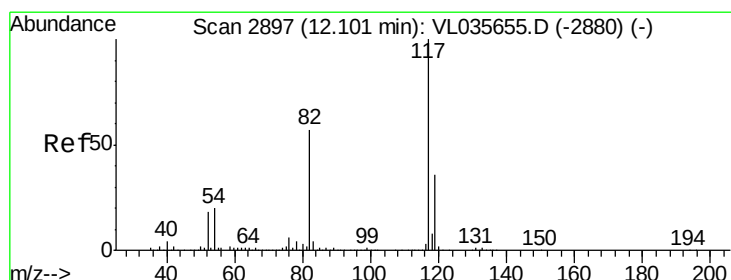
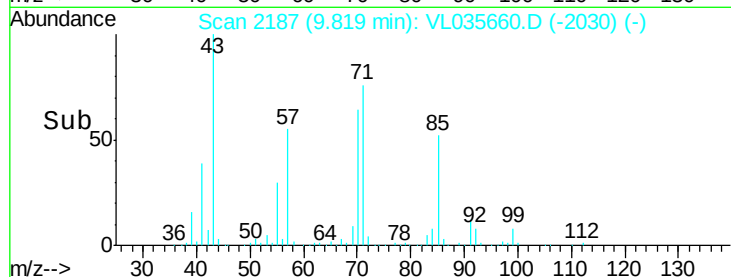
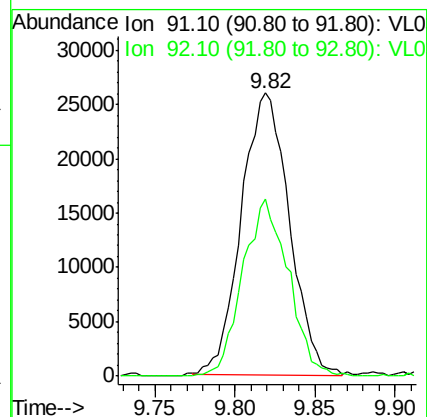
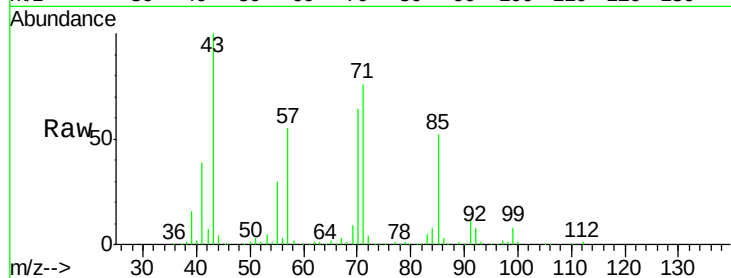
SV-14DL2

Tot Ion: 91 Resp: 53289

Ion Ratio Lower Upper

91 100

92 59.9 49.8 74.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL035660.D

Acq: 17 Sep 2020 17:27

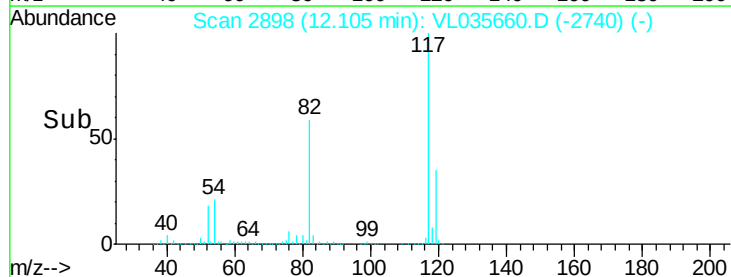
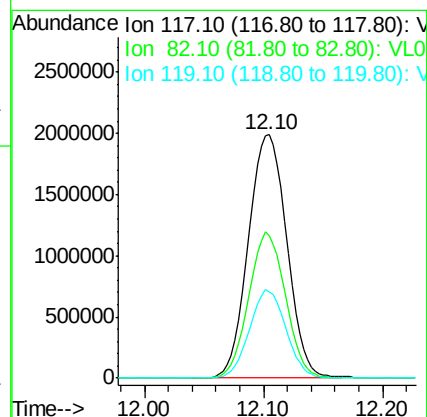
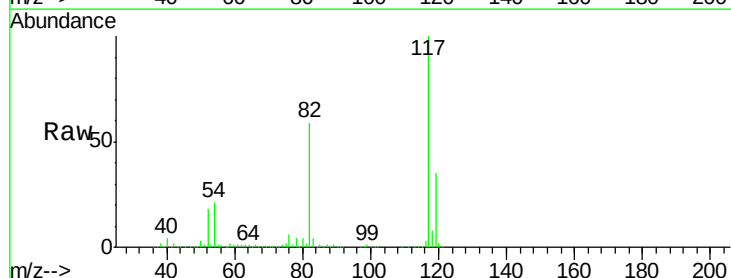
Tgt Ion: 117 Resp: 4449830

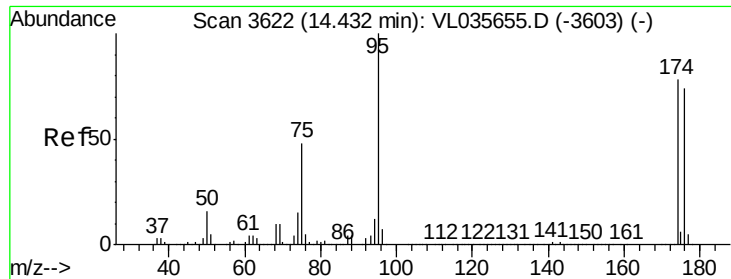
Ion Ratio Lower Upper

117 100

82 57.8 41.6 62.4

119 34.6 29.3 43.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.416 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL035660.D

Acq: 17 Sep 2020 17:27

Instrument :

MSVOA_L

ClientSampleId :

SV-14DL2

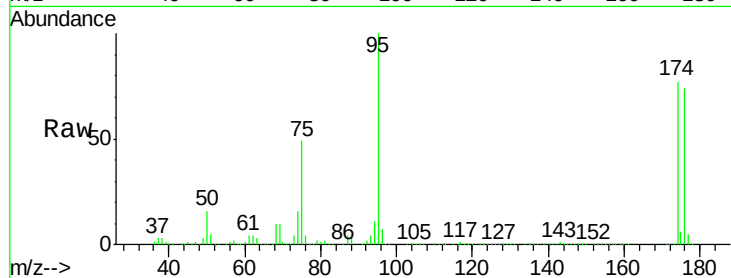
Tot Ion: 95 Resp: 3291545

Ion Ratio Lower Upper

95 100

174 77.2 69.6 104.4

175 5.6 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

