

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111620\
 Data File : VL035944.D
 Acq On : 16 Nov 2020 15:18
 Operator : SY/AP
 Sample : L4755-01 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AS-EFF-201112

Quant Time: Nov 17 09:59:58 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	5.67	49	1282738	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4426514	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4192461	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3091734	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

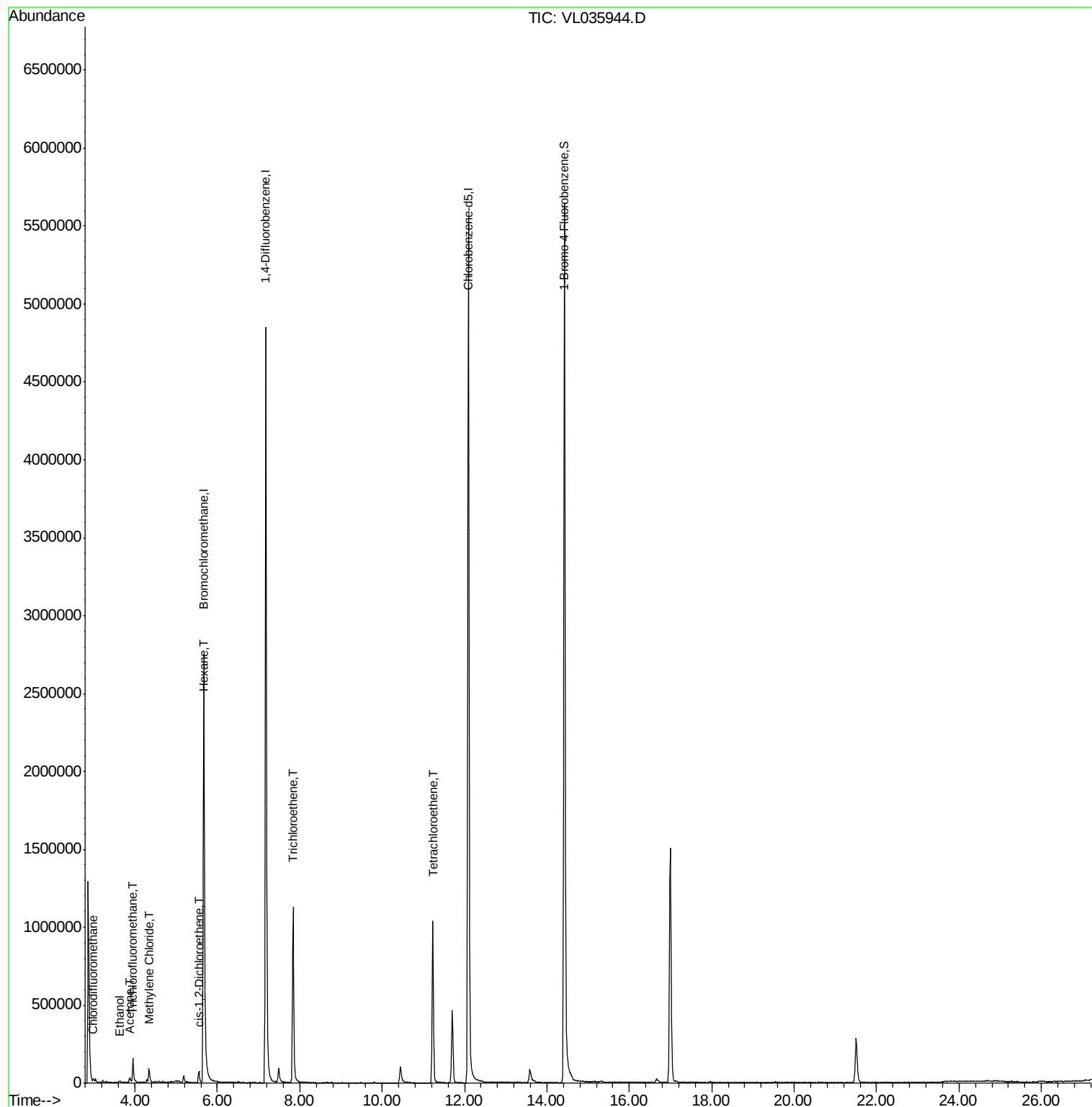
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	26023	0.169	ppbv	94
11) Trichlorofluoromethane	3.95	101	127773	0.421	ppbv	94
13) Ethanol	3.63	45	8943	0.733	ppbv	73
15) Acetone	3.87	43	33049	0.241	ppbv #	41
20) Methylene Chloride	4.35	84	46540	0.482	ppbv	90
26) Hexane	5.69	57	15897	0.107	ppbv #	45
31) cis-1,2-Dichloroethene	5.55	61	45307	0.296	ppbv	90
38) Trichloroethene	7.84	130	432249	2.689	ppbv	99
52) Tetrachloroethene	11.23	164	284779	1.827	ppbv	99

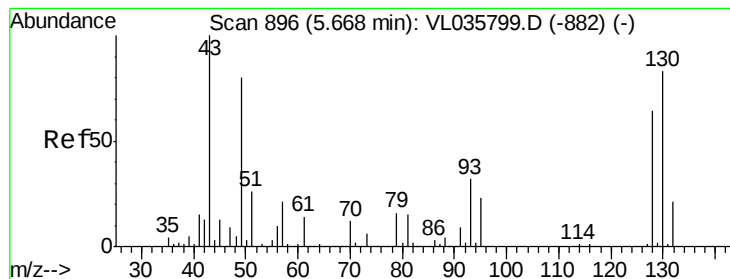
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL035944.D

Acq: 16 Nov 2020 15:18

Instrument :

MSVOA_L

ClientSampleId :

AS-EFF-201112

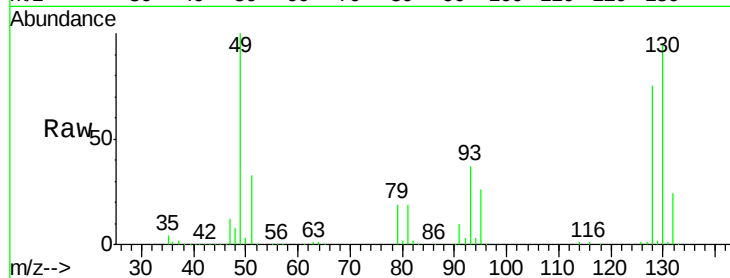
Tot Ion: 49 Resp: 1282738

Ion Ratio Lower Upper

49 100

128 76.2 41.5 124.6

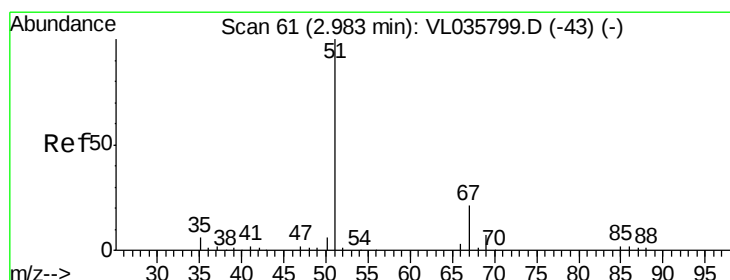
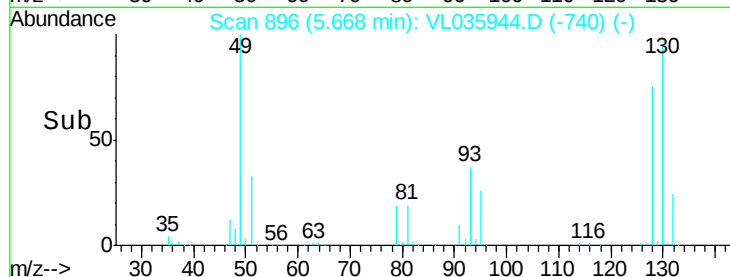
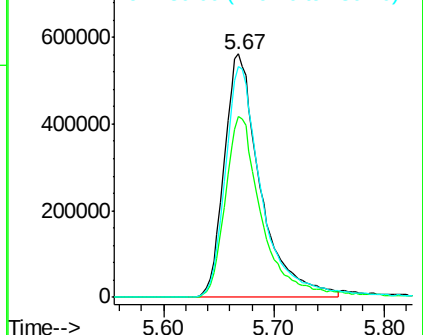
130 97.6 53.7 161.1



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



#3

Chlorodifluoromethane

Concen: 0.169 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035944.D

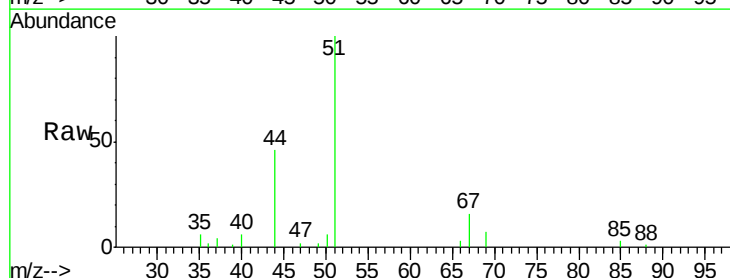
Acq: 16 Nov 2020 15:18

Tgt Ion: 51 Resp: 26023

Ion Ratio Lower Upper

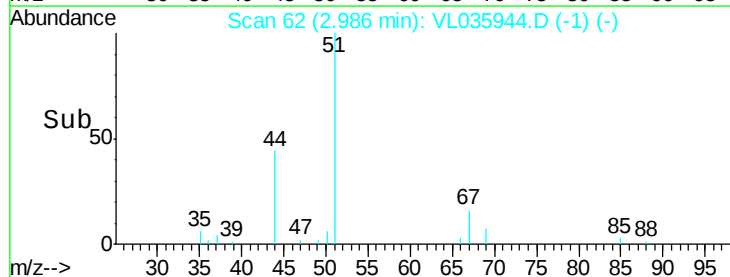
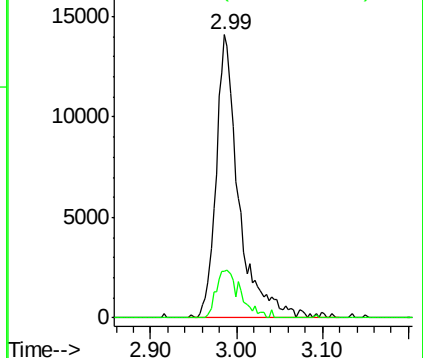
51 100

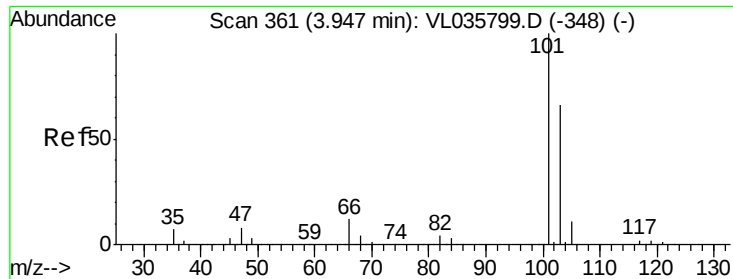
67 18.2 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

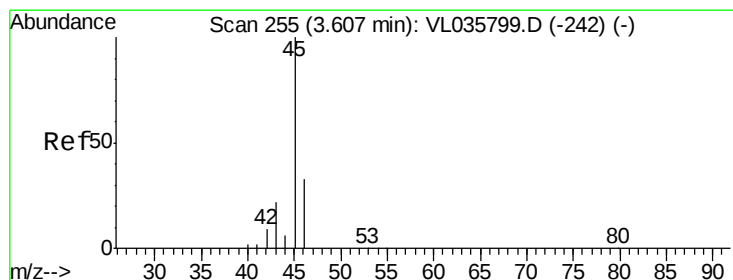
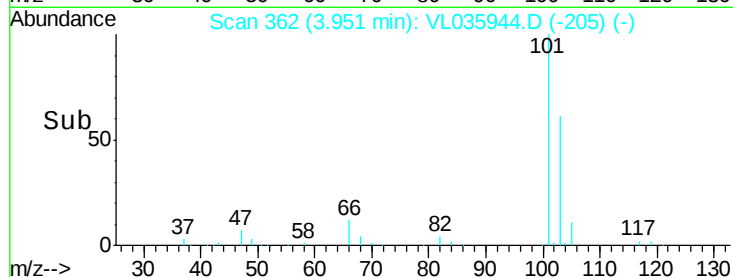
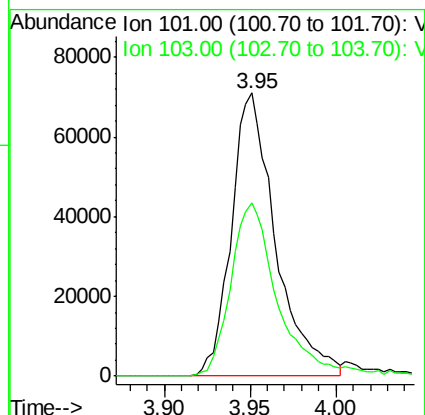
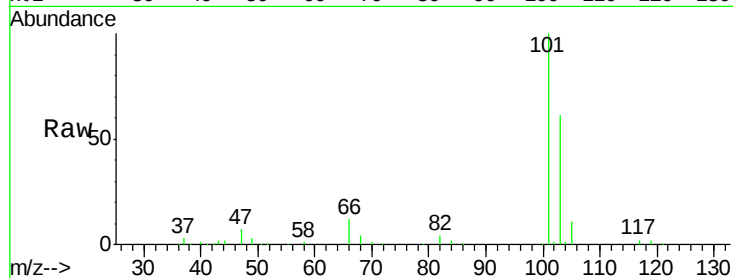




#11
Trichlorofluoromethane
Concen: 0.421 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL035944.D
Acq: 16 Nov 2020 15:18

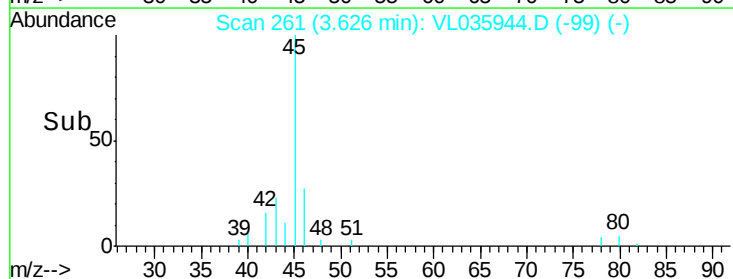
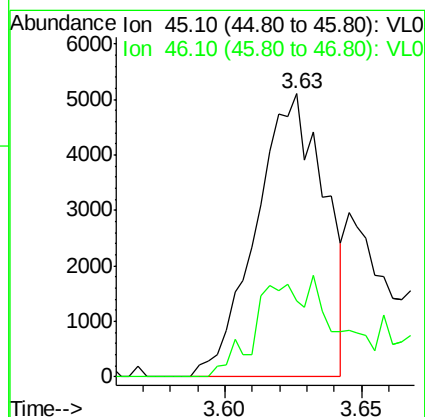
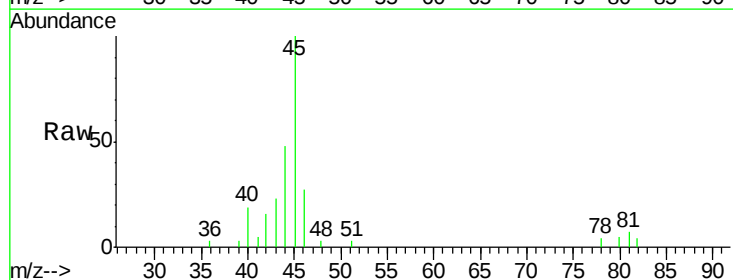
Instrument :
MSVOA_L
ClientSampleId :
AS-EFF-201112

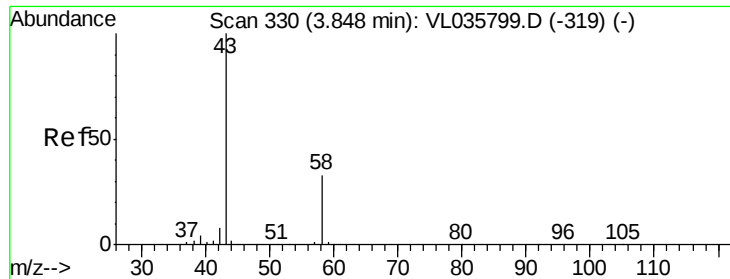
Tot Ion:101 Resp: 127773
Ion Ratio Lower Upper
101 100
103 61.1 53.0 79.4



#13
Ethanol
Concen: 0.733 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL035944.D
Acq: 16 Nov 2020 15:18

Tgt Ion: 45 Resp: 8943
Ion Ratio Lower Upper
45 100
46 57.1 16.1 64.5





#15

Acetone

Concen: 0.241 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL035944.D

Acq: 16 Nov 2020 15:18

Instrument :

MSVOA_L

ClientSampleId :

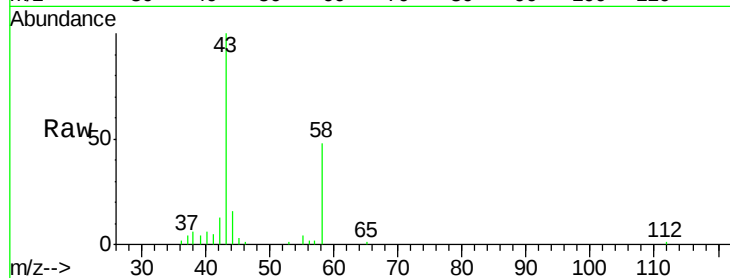
AS-EFF-201112

Tot Ion: 43 Resp: 33049

Ion Ratio Lower Upper

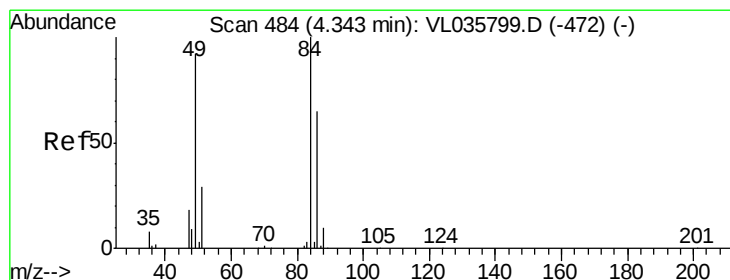
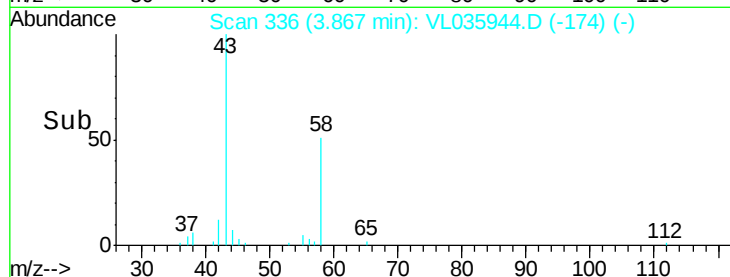
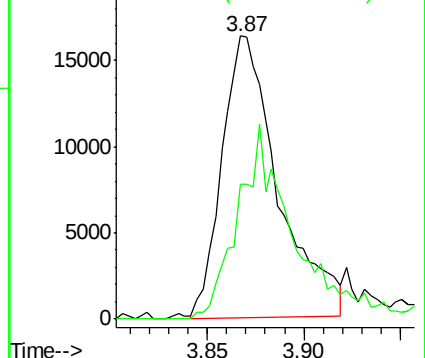
43 100

58 68.1 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: 0.482 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL035944.D

Acq: 16 Nov 2020 15:18

Tgt Ion: 84 Resp: 46540

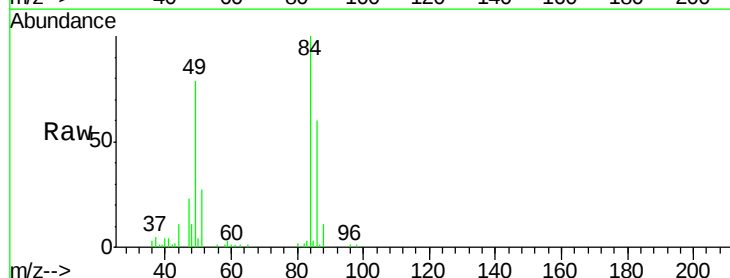
Ion Ratio Lower Upper

84 100

49 78.8 73.8 110.8

51 26.7 23.0 34.4

86 59.8 52.1 78.1

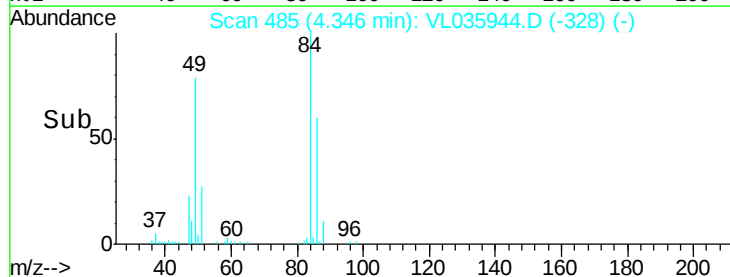
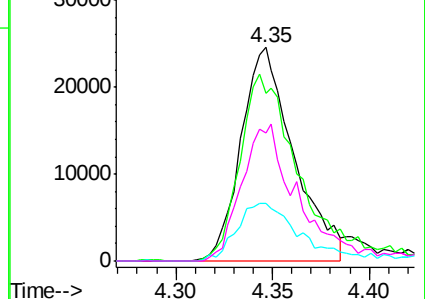


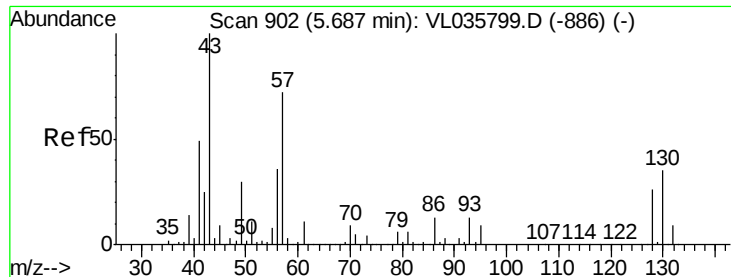
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

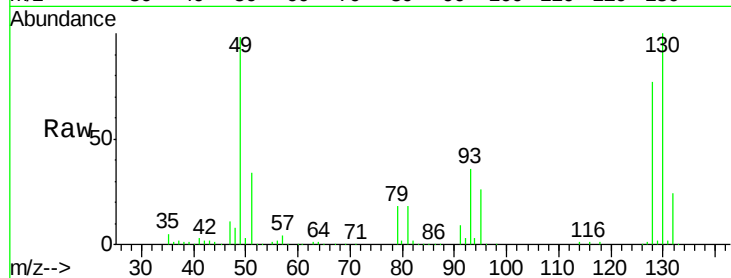




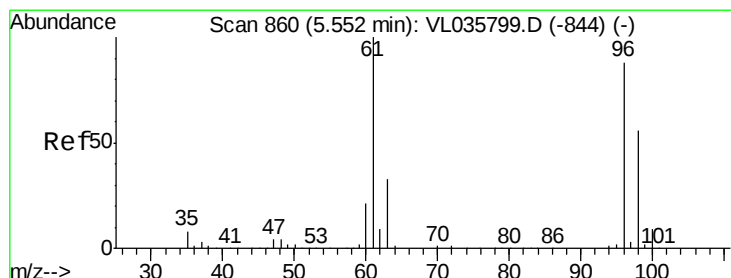
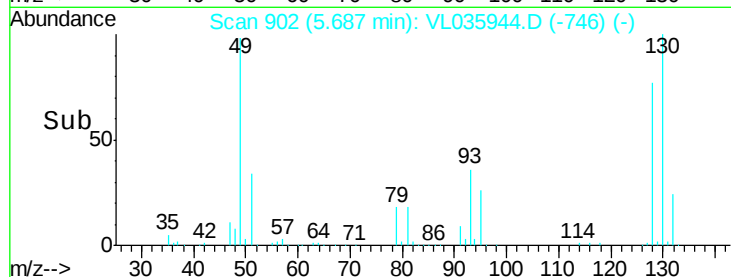
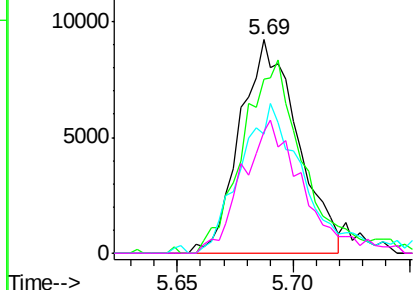
#26
Hexane
Concen: 0.107 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035944.D
Acq: 16 Nov 2020 15:18

Instrument :
MSVOA_L
ClientSampleId :
AS-EFF-201112

Tot Ion: 57 Resp: 15897
Ion Ratio Lower Upper
57 100
41 99.5 58.9 88.3#
43 80.3 150.2 225.2#
56 67.1 42.4 63.6#

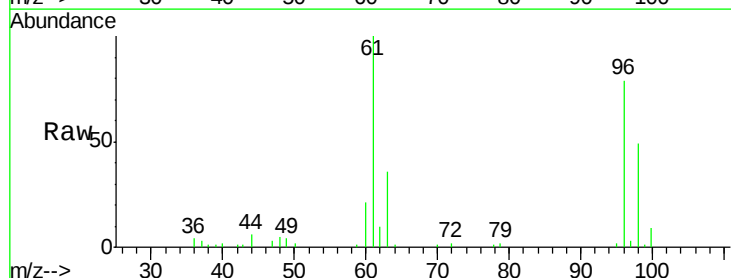


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

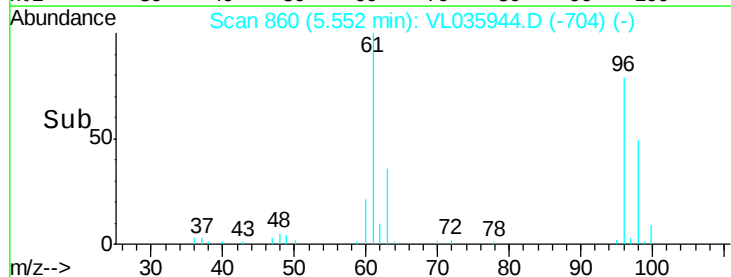
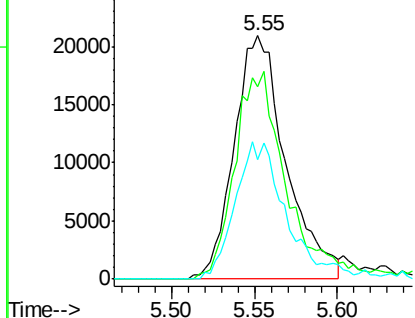


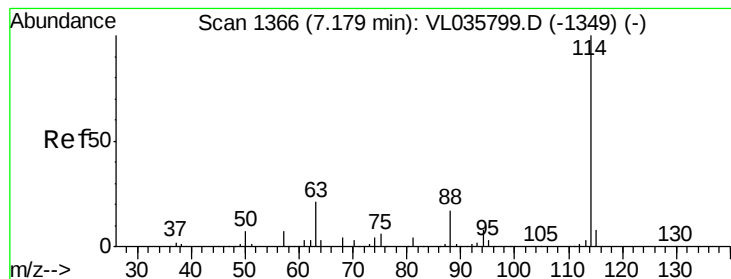
#31
cis-1,2-Dichloroethene
Concen: 0.296 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL035944.D
Acq: 16 Nov 2020 15:18

Tgt Ion: 61 Resp: 45307
Ion Ratio Lower Upper
61 100
96 78.9 70.3 105.5
98 49.1 45.0 67.6



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# 1366

Delta R.T. 0.00 min

Lab File: VL035944.D

Acq: 16 Nov 2020 15:18

Instrument :

MSVOA_L

ClientSampleId :

AS-EFF-201112

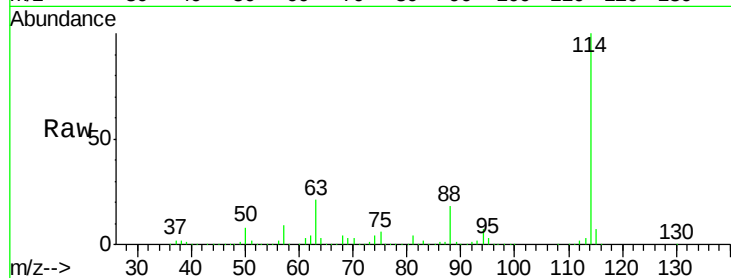
Tot Ion:114 Resp: 4426514

Ion Ratio Lower Upper

114 100

63 21.0 16.1 24.1

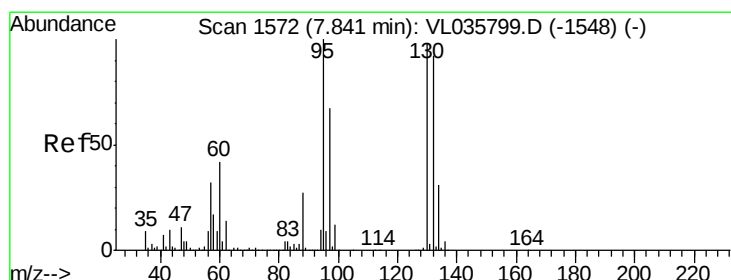
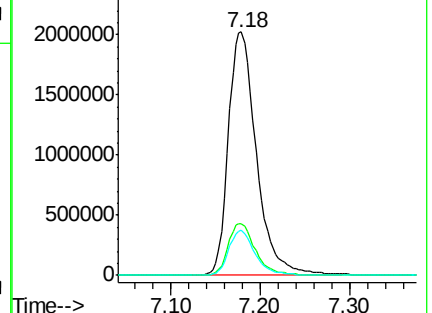
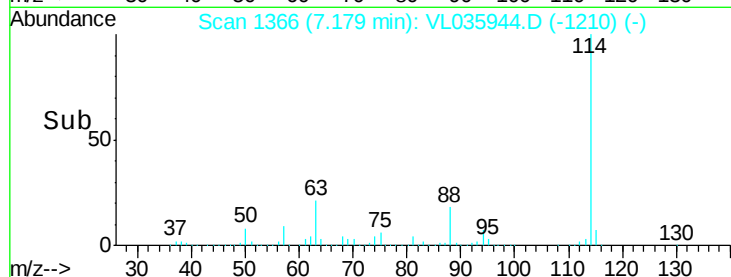
88 17.5 13.7 20.5



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: 2.689 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL035944.D

Acq: 16 Nov 2020 15:18

Tgt Ion:130 Resp: 432249

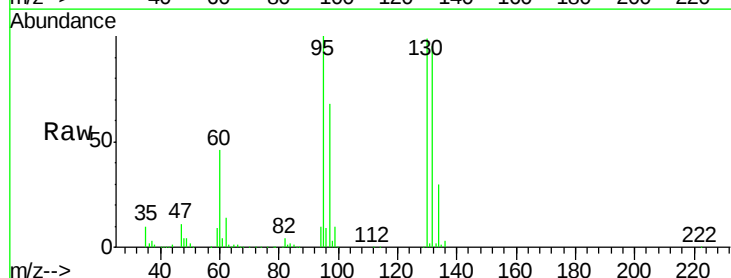
Ion Ratio Lower Upper

130 100

95 100.5 81.6 122.4

132 95.5 75.1 112.7

97 68.9 54.6 81.8

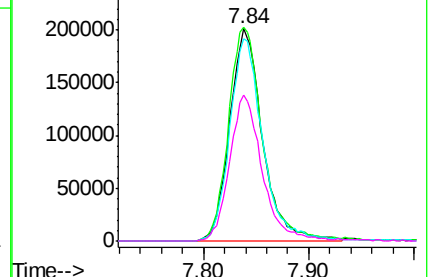
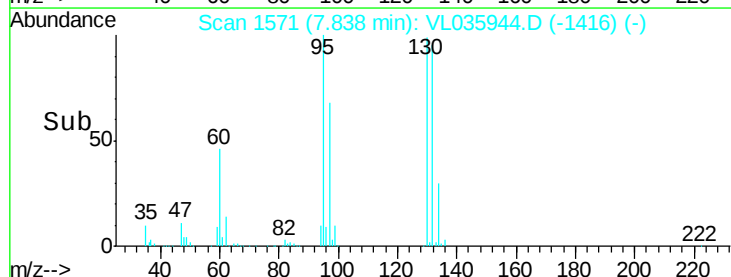


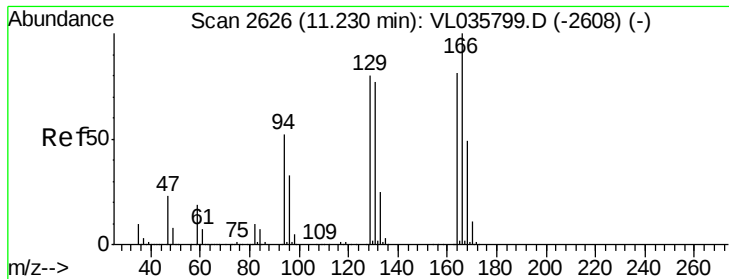
Abundance Ion 130.00 (129.70 to 130.70): V

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





#52

Tetrachloroethene

Concen: 1.827 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.00 min

Lab File: VL035944.D

Acq: 16 Nov 2020 15:18

Instrument :

MSVOA_L

ClientSampleId :

AS-EFF-201112

Tot Ion:164 Resp: 284779

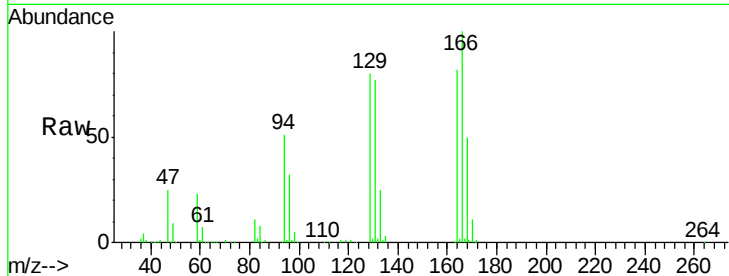
Ion Ratio Lower Upper

164 100

166 122.8 99.3 148.9

129 97.9 79.3 118.9

131 93.8 76.5 114.7

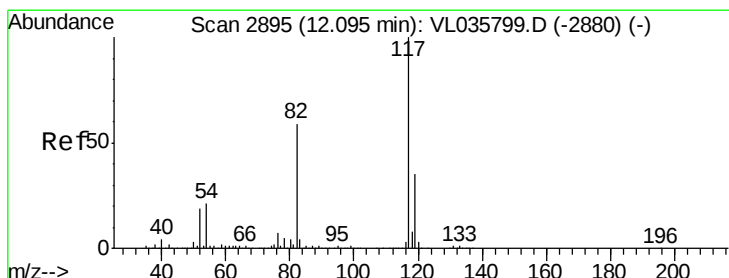
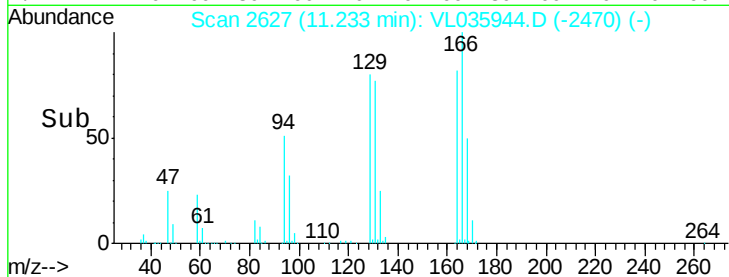
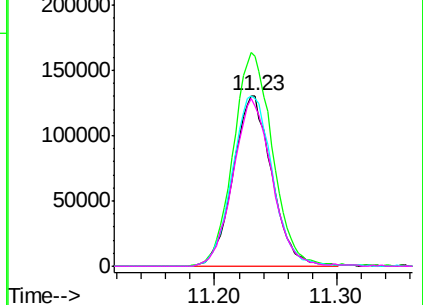


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL035944.D

Acq: 16 Nov 2020 15:18

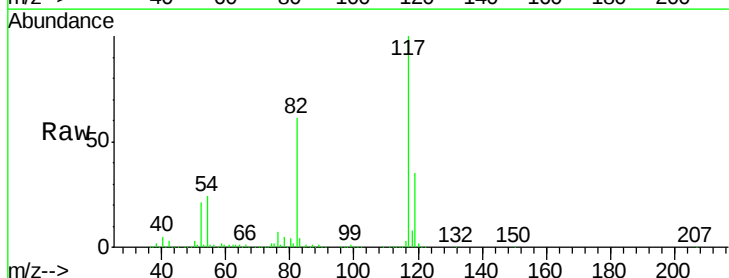
Tgt Ion:117 Resp: 4192461

Ion Ratio Lower Upper

117 100

82 61.4 50.6 76.0

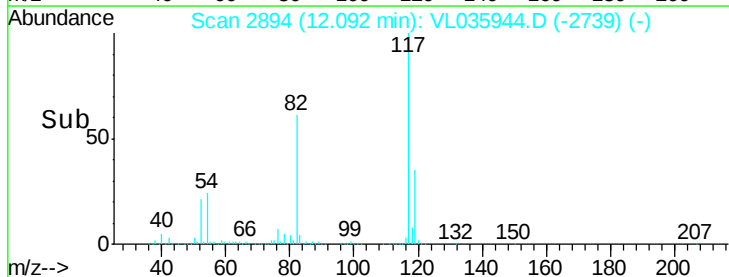
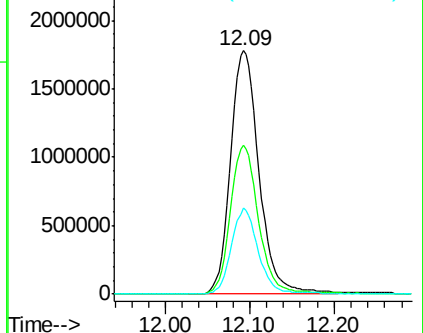
119 34.2 52.6 78.8#

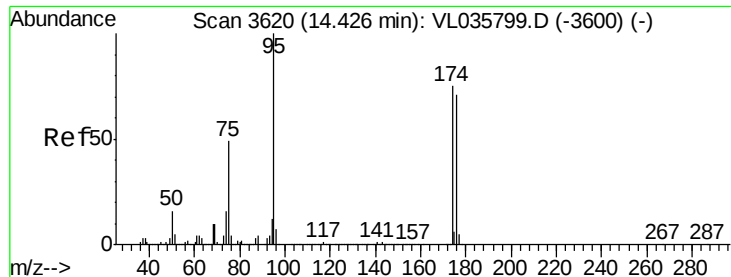


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.380 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL035944.D
 Acq: 16 Nov 2020 15:18

Instrument :
 MSVOA_L
 ClientSampleId :
 AS-EFF-201112

Tot Ion: 95 Resp: 3091734
 Ion Ratio Lower Upper
 95 100
 174 71.8 59.8 89.6
 175 5.1 4.3 6.5

