

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035697.D
 Acq On : 21 Sep 2020 22:10
 Operator : SY/AP
 Sample : L3983-05DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL2

Manual Integrations
 APPROVED

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 9/22/2020 2:06:00 PM

Quant Time: Sep 22 04:06:35 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 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	5.64	49	986923	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3712479	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	3755757	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2736069	10.26	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	41675	0.383	ppbv	# 70
20) Methylene Chloride	4.32	84	14930	0.184	ppbv	91
31) cis-1,2-Dichloroethene	5.52	61	20346	0.182	ppbv	89
38) Trichloroethene	7.82	130	37968m	0.272	ppbv	
52) Tetrachloroethene	11.20	164	1165843	8.304	ppbv	98

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

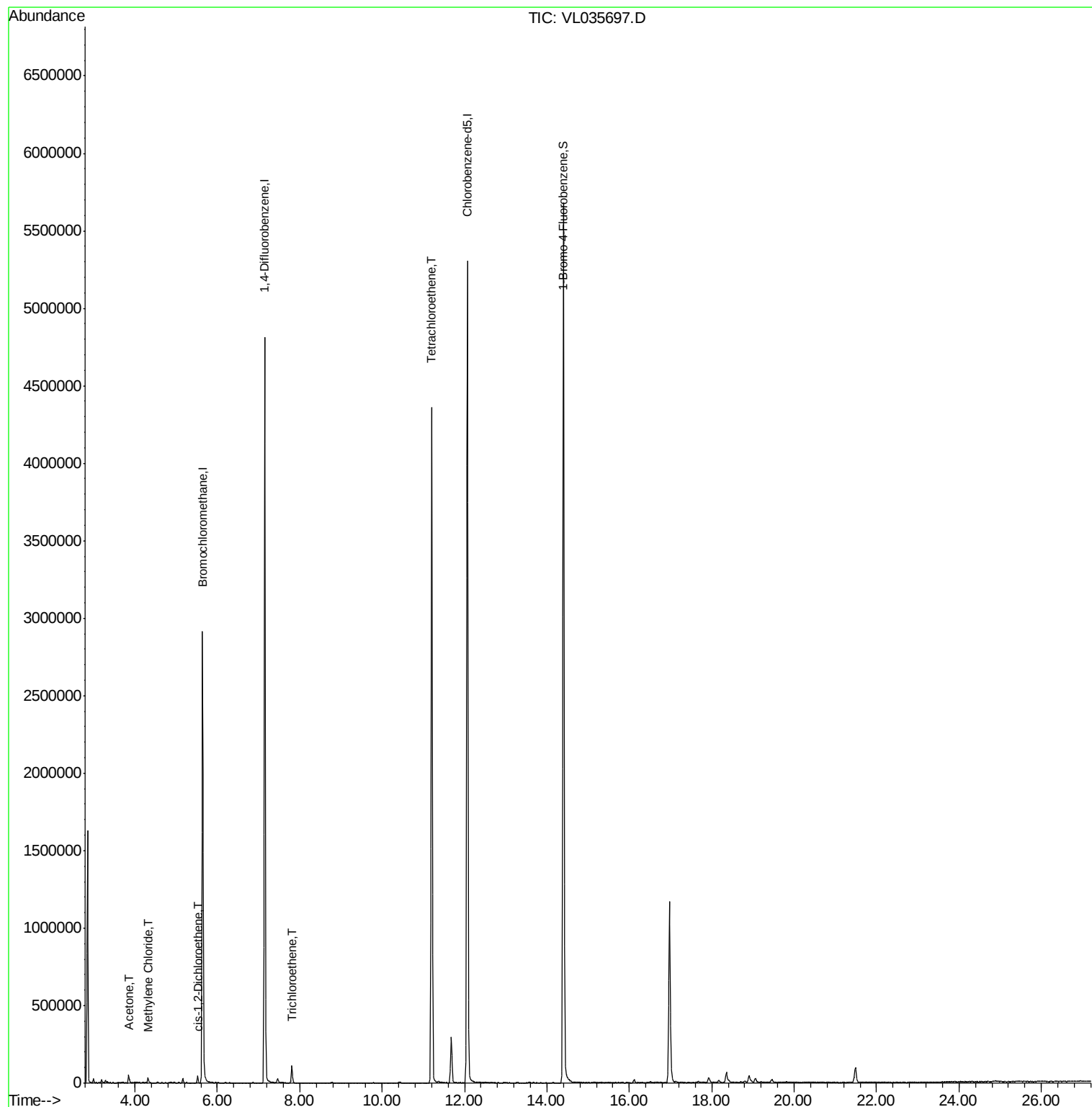
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092120\
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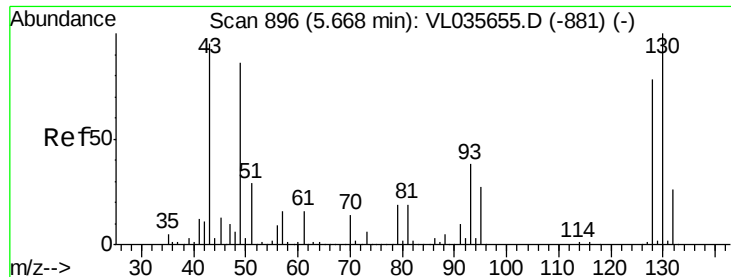
Instrument :
MSVOA_L
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035697.D

Acq: 21 Sep 2020 22:10

Instrument :

MSVOA_L

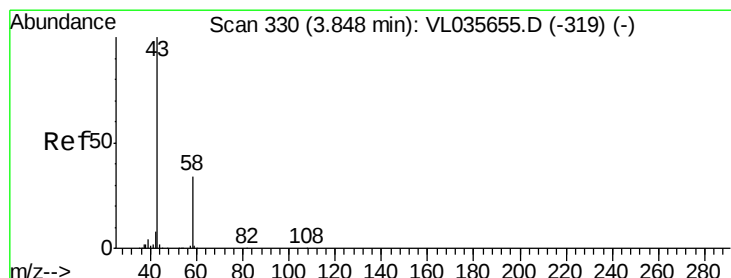
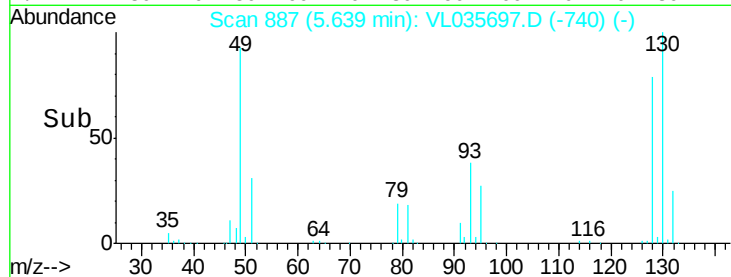
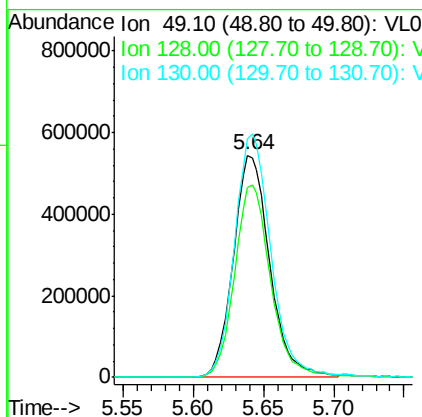
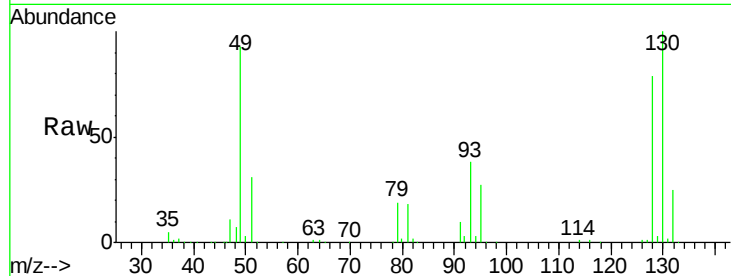
ClientSampleId :

SV-11ADL2

Tot Ion:	49	Resp:	986923
Ion	Ratio	Lower	Upper
49	100		
128	86.3	50.0	150.1
130	110.4	64.4	193.2

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#15

Acetone

Concen: 0.383 ppbv

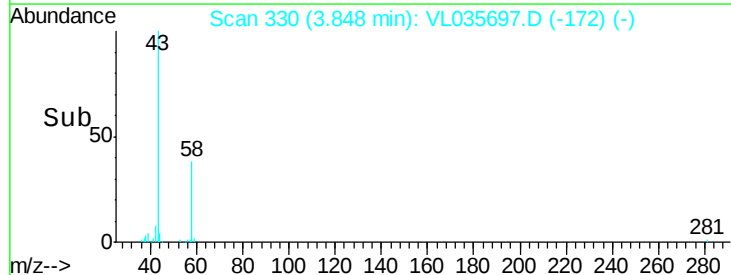
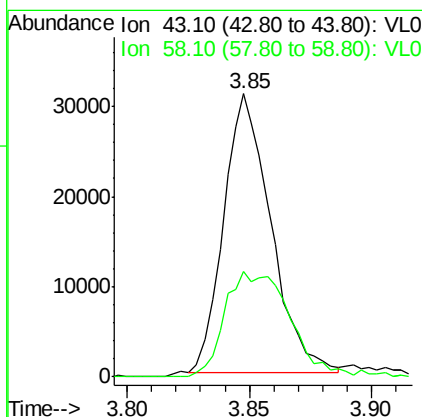
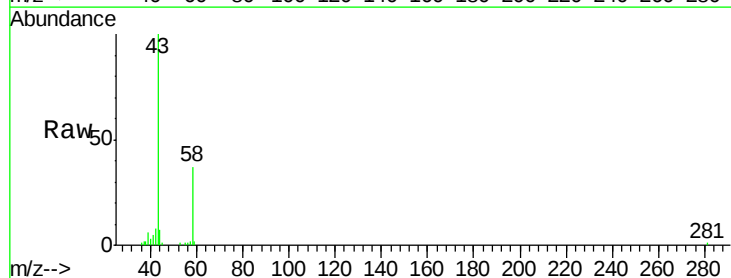
RT: 3.85 min Scan# 330

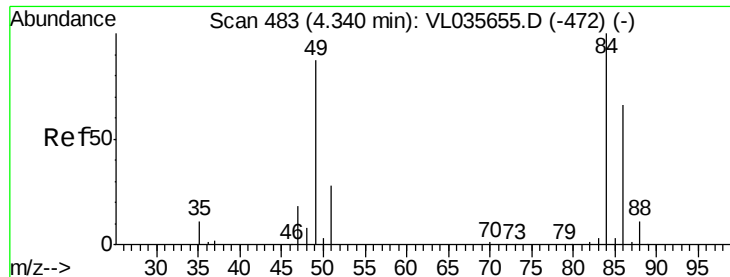
Delta R.T. 0.01 min

Lab File: VL035697.D

Acq: 21 Sep 2020 22:10

Tgt Ion:	43	Resp:	41675
Ion	Ratio	Lower	Upper
43	100		
58	52.7	28.4	42.6#





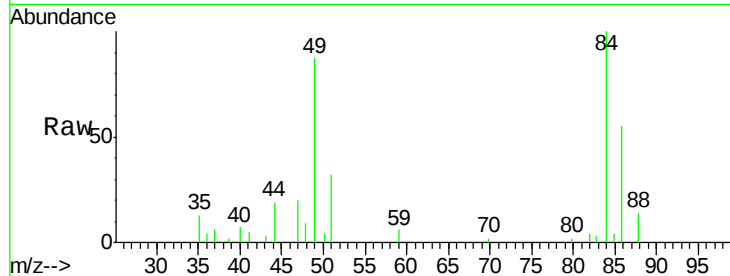
#20
Methvlene Chloride
Concen: 0.184 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL035697.D
Acq: 21 Sep 2020 22:10

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

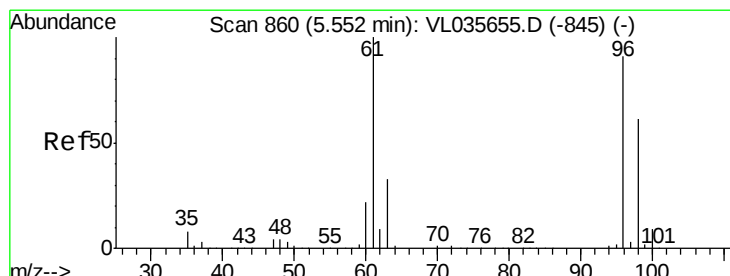
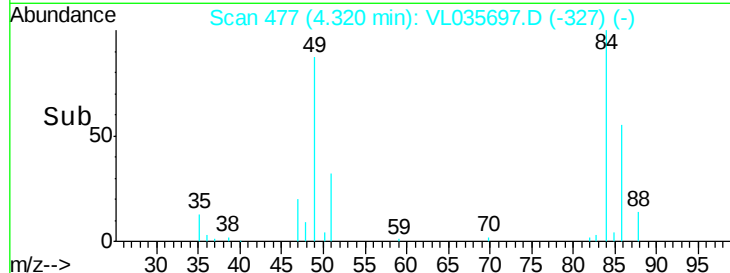
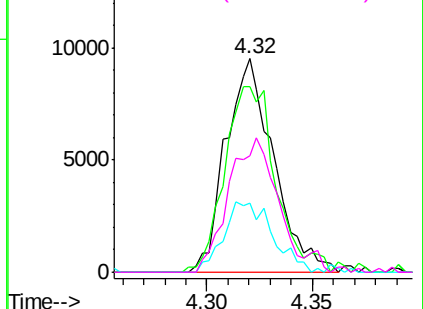
Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	84.9	65.4	98.0	
51	32.1	21.5	32.3	
86	54.6	52.9	79.3	

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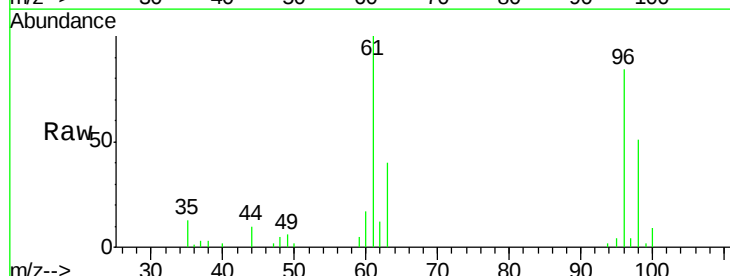


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

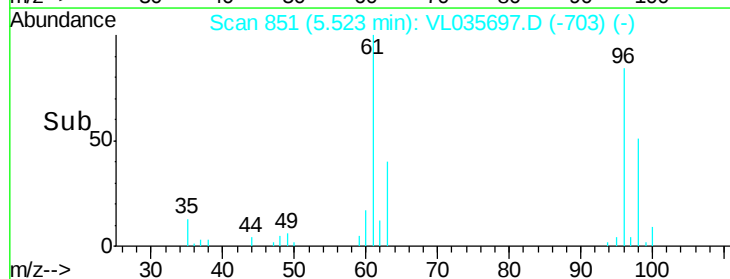
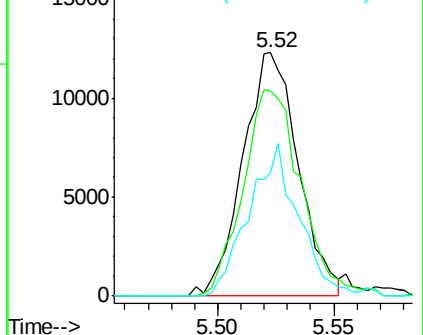


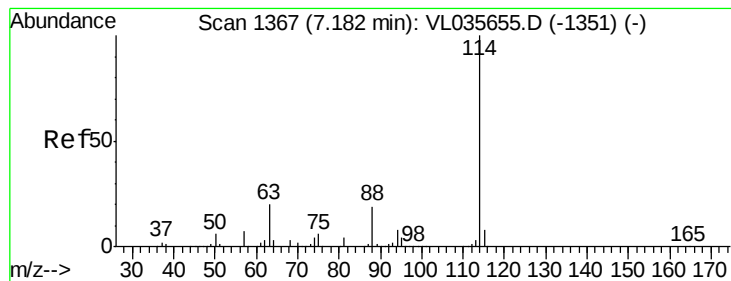
#31
cis-1,2-Dichloroethene
Concen: 0.182 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.02 min
Lab File: VL035697.D
Acq: 21 Sep 2020 22:10

Tgt Ion	Ion	Ratio	Lower	Upper
61	100			
96	84.4	74.4	111.6	
98	50.7	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: 7.15 min Scan# 1357

Delta R.T. -0.03 min

Lab File: VL035697.D

Acq: 21 Sep 2020 22:10

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

Tot Ion:114 Resp: 3712479

Ion Ratio Lower Upper

114 100

63 19.3 14.7 22.1

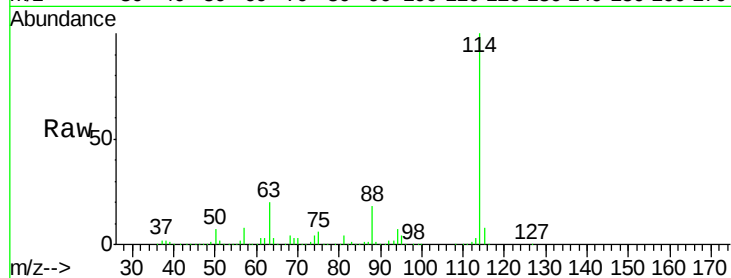
88 17.1 13.4 20.2

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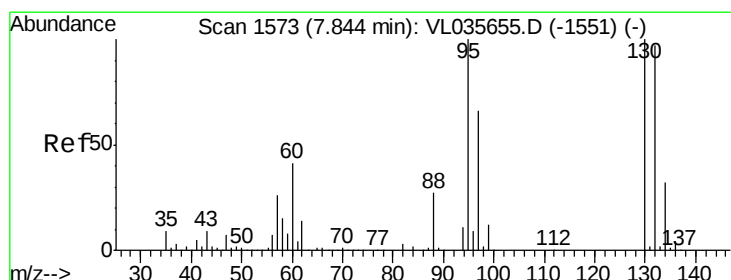
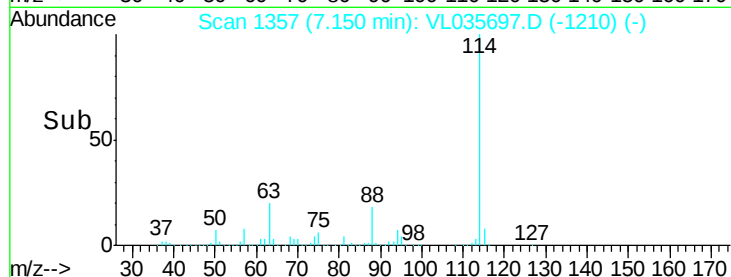
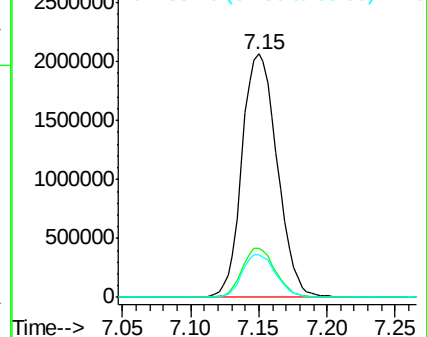
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38

Trichloroethene

Concen: 0.272 ppbv m

RT: 7.82 min Scan# 1564

Delta R.T. -0.02 min

Lab File: VL035697.D

Acq: 21 Sep 2020 22:10

Tgt Ion:130 Resp: 37968

Ion Ratio Lower Upper

130 100

95 101.4 74.6 112.0

132 89.6 77.6 116.4

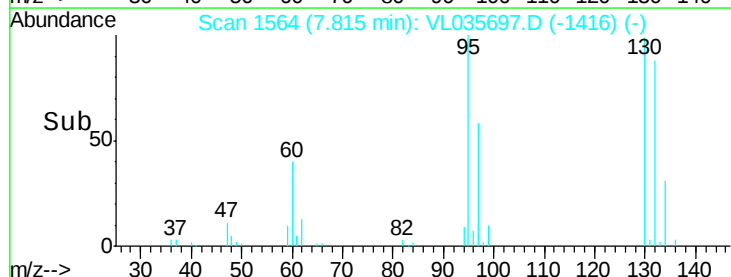
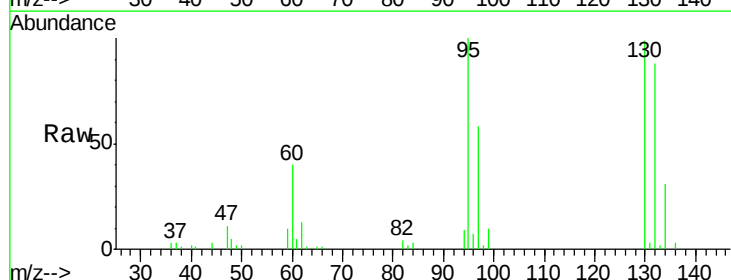
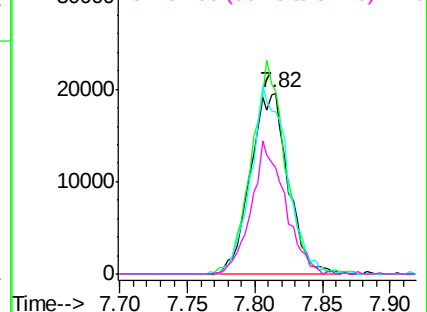
97 58.7 50.6 76.0

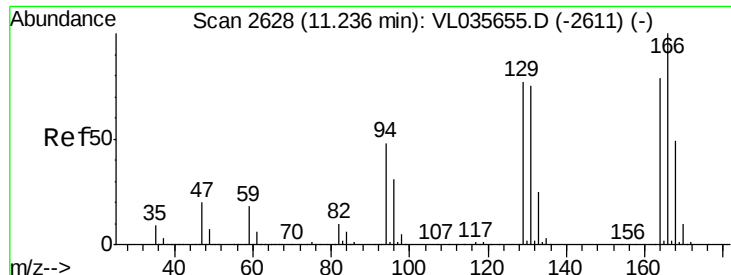
Abundance Ion 130.00 (129.70 to 130.70): V

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





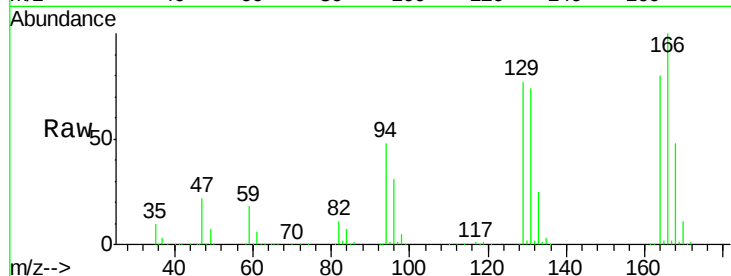
#52
Tetrachloroethene
Concen: 8.304 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL035697.D
Acq: 21 Sep 2020 22:10

Instrument :
MSVOA_L
ClientSampled :
SV-11ADL2

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.9	151.3
129	97.3	75.3	112.9
131	93.3	73.0	109.4

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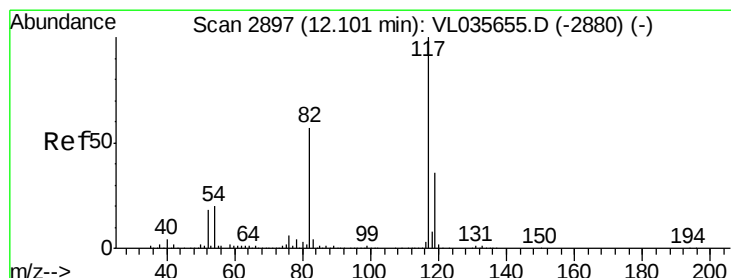
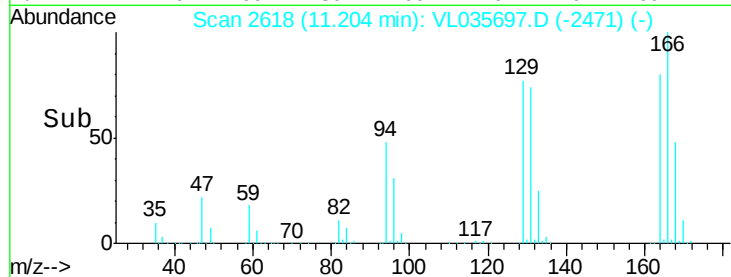
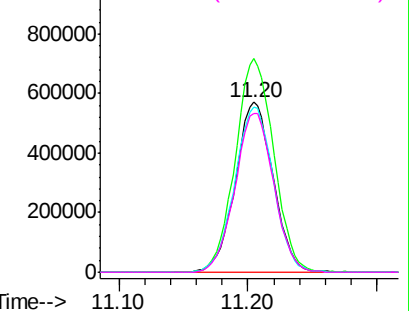
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

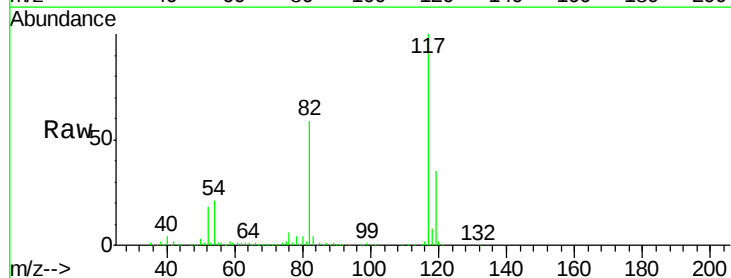
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL035697.D
Acq: 21 Sep 2020 22:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	41.6	62.4
119	34.4	29.3	43.9

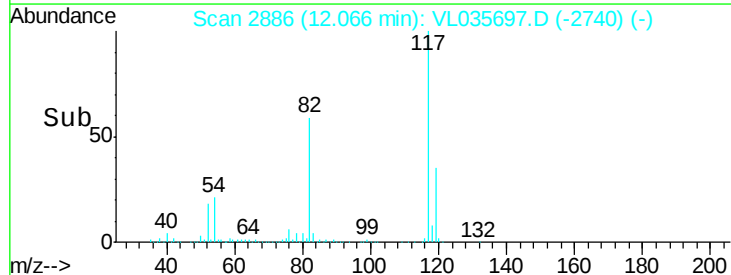
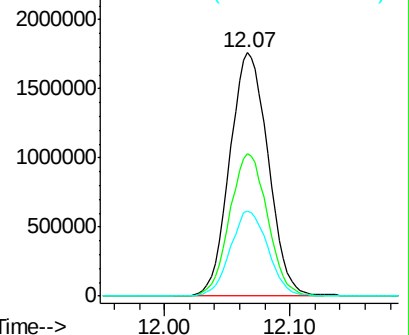


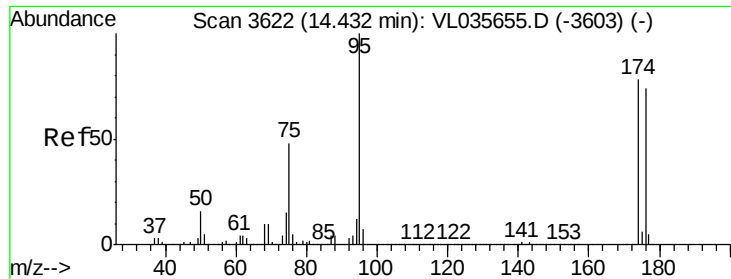
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.258 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL035697.D

Acq: 21 Sep 2020 22:10

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

Tot Ion: 95 Resp: 2736069

Ion Ratio Lower Upper

95 100

174 77.7 69.6 104.4

175 5.6 5.1 7.7

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