

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035679.D
 Acq On : 18 Sep 2020 10:29
 Operator : SY/AP
 Sample : L3983-05DL2DUP 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL2DUP

Manual Integrations
 APPROVED

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 9/22/2020 2:12:05 PM

Quant Time: Sep 18 14:54:03 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	943817	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3684814	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3654264	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2631316	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	45542	0.438	ppbv	# 80
31) cis-1,2-Dichloroethene	5.55	61	26615	0.249	ppbv	88
38) Trichloroethene	7.84	130	70764m	0.511	ppbv	
52) Tetrachloroethene	11.24	164	1382072	9.918	ppbv	97

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

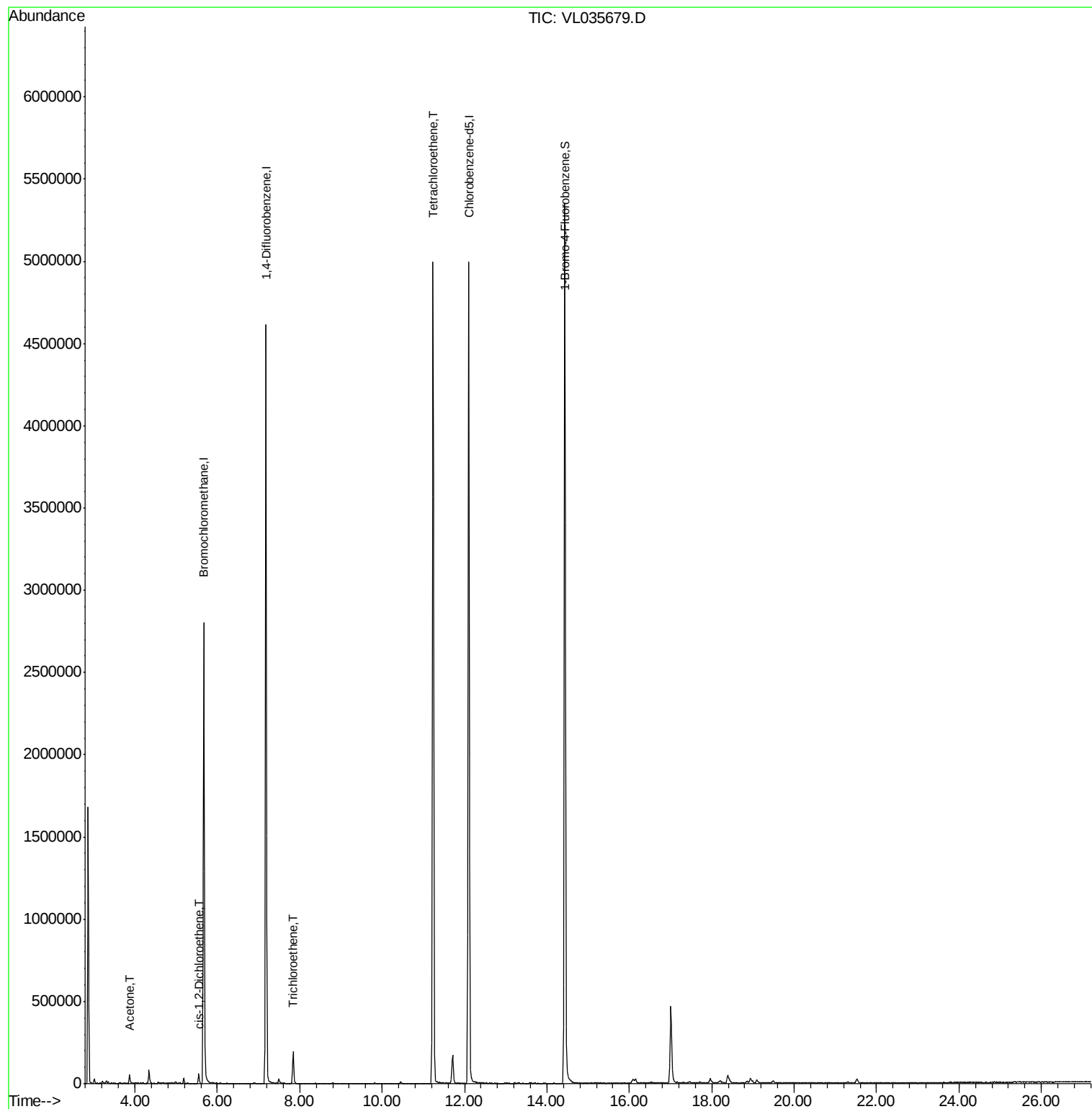
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091720\
Data File : VL035679.D
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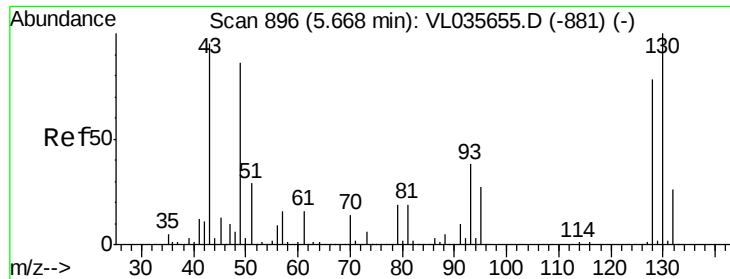
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL035679.D

Acq: 18 Sep 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2DUP

Tot Ion: 49 Resp: 943817

Ion Ratio Lower Upper

49 100

128 88.9 50.0 150.1

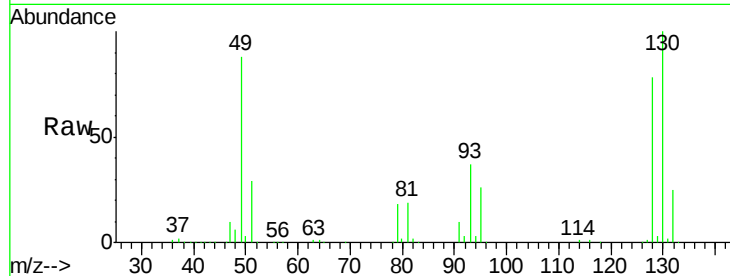
130 114.8 64.4 193.2

Manual Integrations

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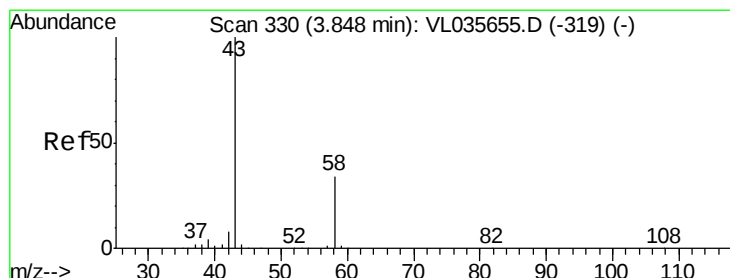
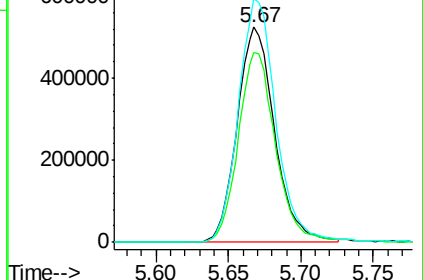
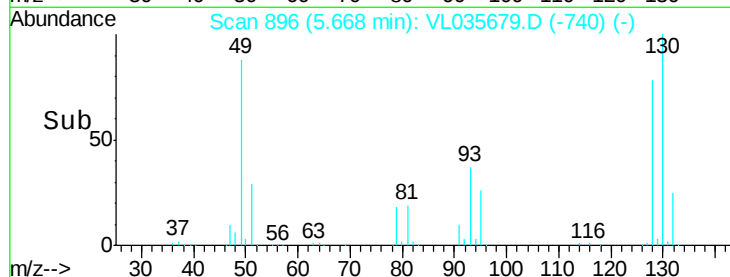
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#15

Acetone

Concen: 0.438 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL035679.D

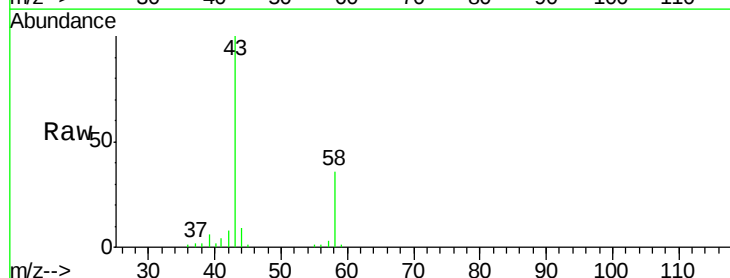
Acq: 18 Sep 2020 10:29

Tgt Ion: 43 Resp: 45542

Ion Ratio Lower Upper

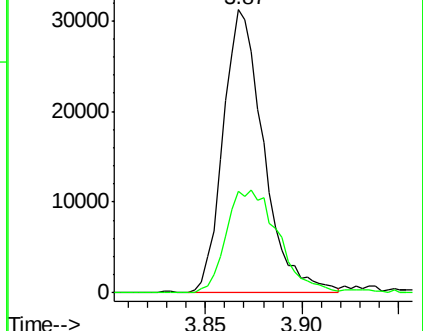
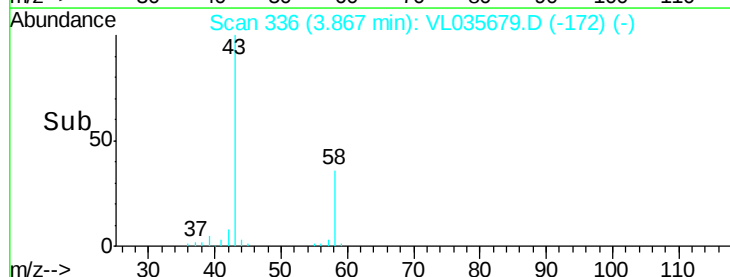
43 100

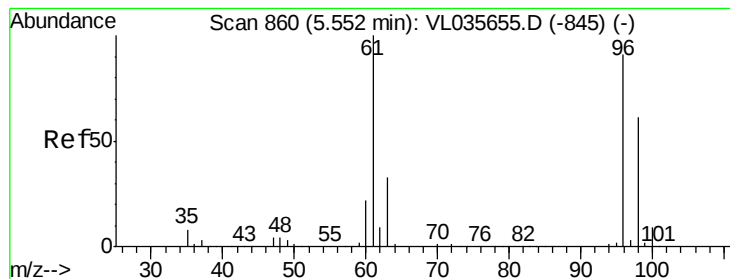
58 47.3 28.4 42.6#



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: 0.249 ppbv

RT: 5.55 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL035679.D

Acq: 18 Sep 2020 10:29

Instrument :

MSVOA_L

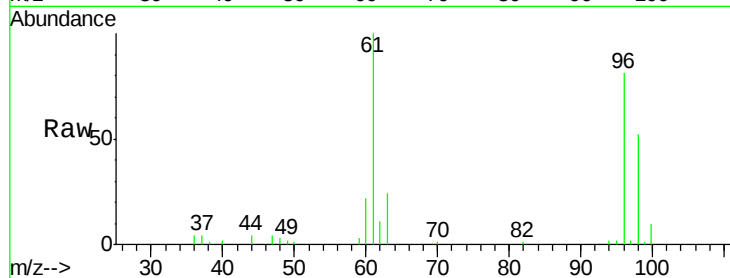
ClientSampleId :

SV-11ADL2DUP

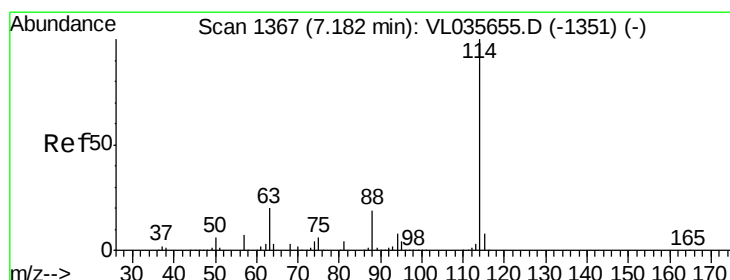
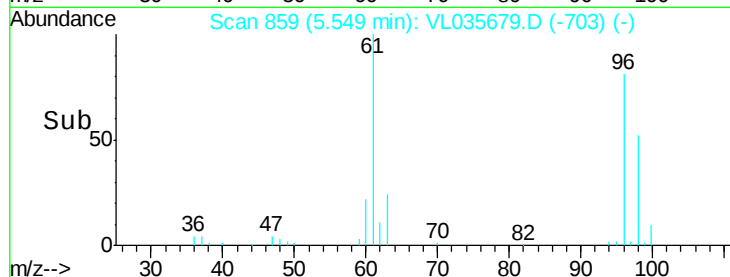
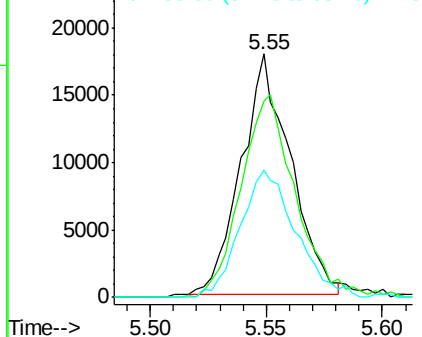
Tot Ion	Ratio	Lower	Upper
61	100		
96	80.6	74.4	111.6
98	52.9	49.2	73.8

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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

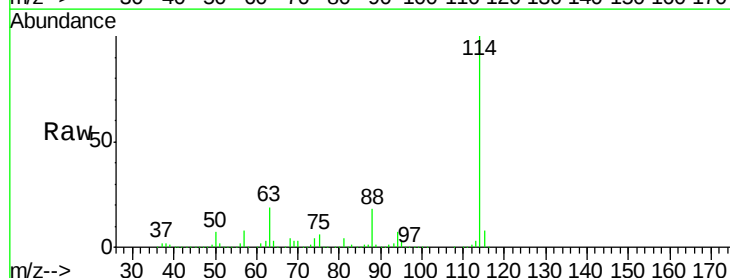
RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

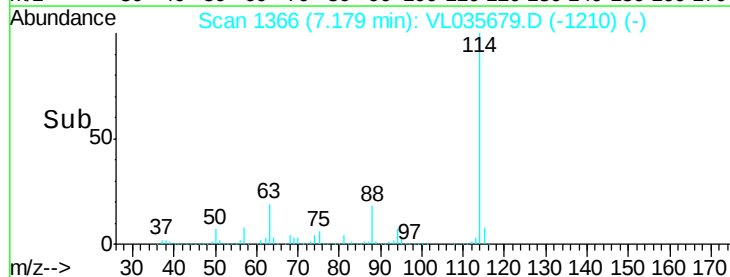
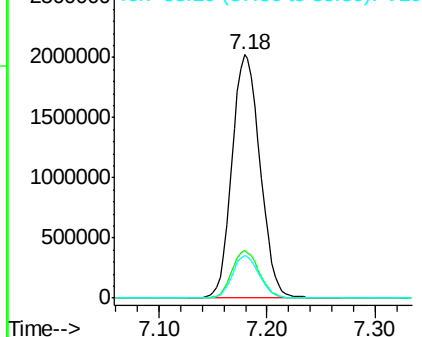
Lab File: VL035679.D

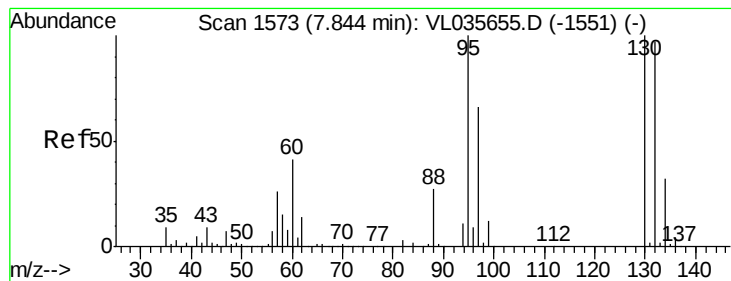
Acq: 18 Sep 2020 10:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	14.7	22.1
88	16.7	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

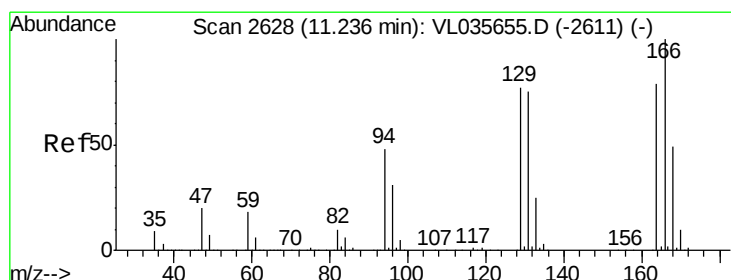
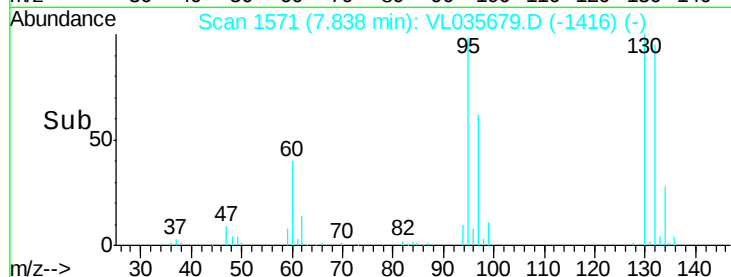
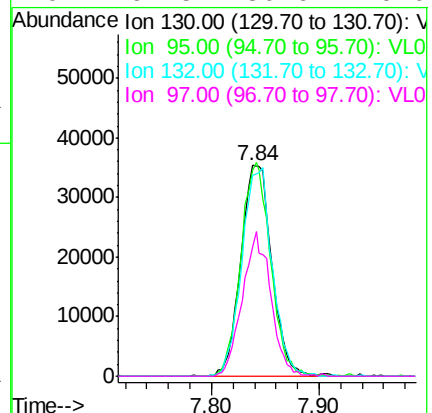
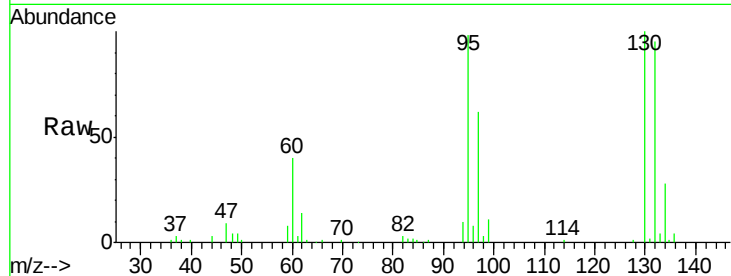
Concen: 0.511 ppbv m
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035679.D
 Acq: 18 Sep 2020 10:29

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		70764		
95	97.7	74.6	112.0		
132	95.1	77.6	116.4		
97	61.5	50.6	76.0		

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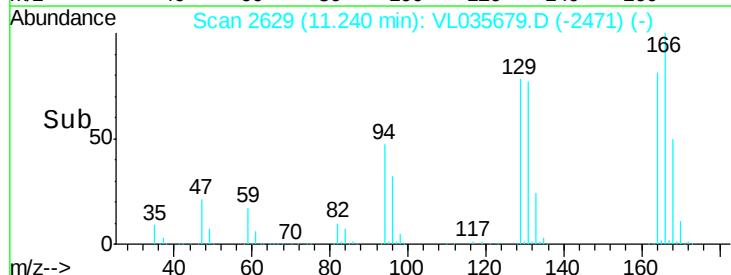
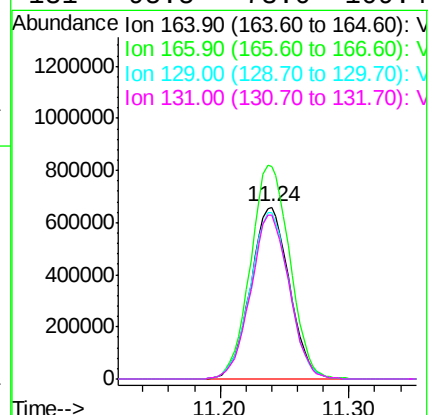
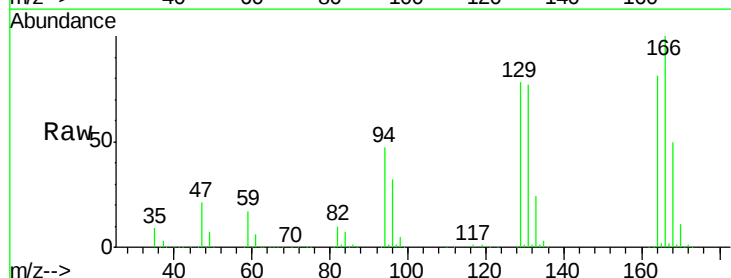


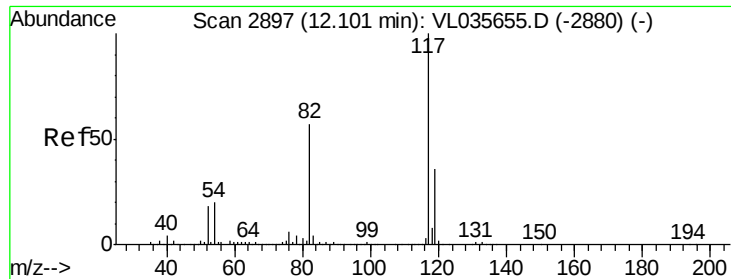
#52

Tetrachloroethene

Concen: 9.918 ppbv
 RT: 11.24 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: VL035679.D
 Acq: 18 Sep 2020 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		1382072		
166	124.0	100.9	151.3		
129	96.6	75.3	112.9		
131	95.5	73.0	109.4		





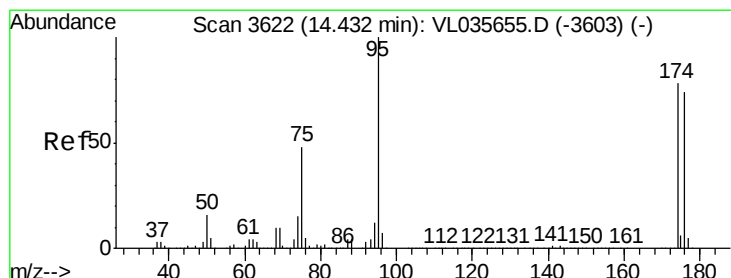
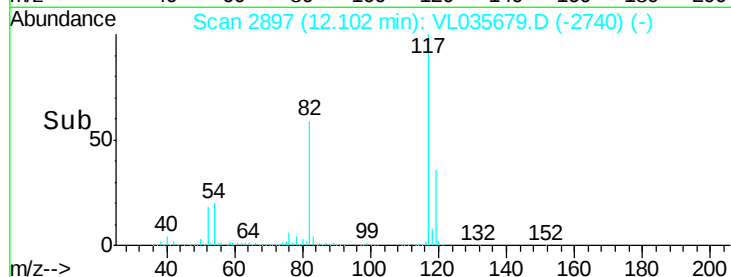
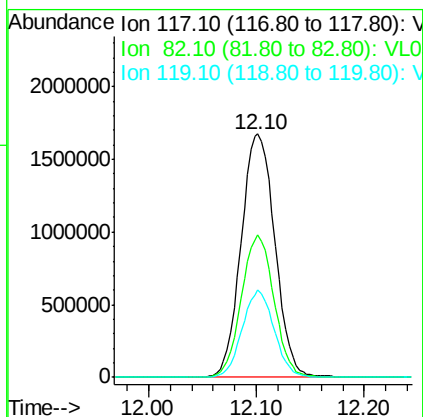
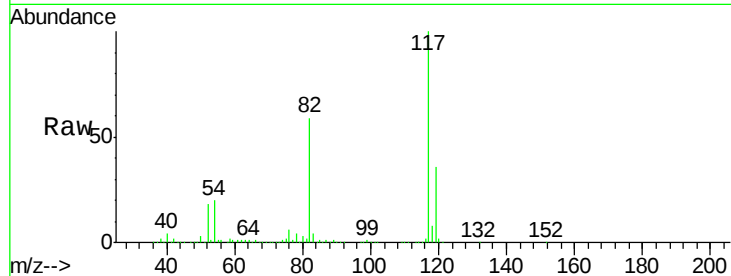
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035679.D
Acq: 18 Sep 2020 10:29

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Tot Ion:117 Resp: 3654264
Ion Ratio Lower Upper
117 100
82 56.6 41.6 62.4
119 34.0 29.3 43.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.140 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.00 min
Lab File: VL035679.D
Acq: 18 Sep 2020 10:29

Tgt Ion: 95 Resp: 2631316
Ion Ratio Lower Upper
95 100
174 79.1 69.6 104.4
175 5.7 5.1 7.7

