

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035173.D
 Acq On : 8 Jul 2020 5:47
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
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Quant Time: Jul 08 07:02:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08
 QLast Update : Wed Jul 08 06:17:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1187630	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2907473	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2655370	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2244537	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	3075m	0.044	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	6572m	0.039	ppbv	
35) Carbon Tetrachloride	7.01	117	6214m	0.036	ppbv	
38) Trichloroethene	7.84	130	2802m	0.032	ppbv	
52) Tetrachloroethene	11.24	164	2381m	0.030	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	8328m	0.039	ppbv	

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

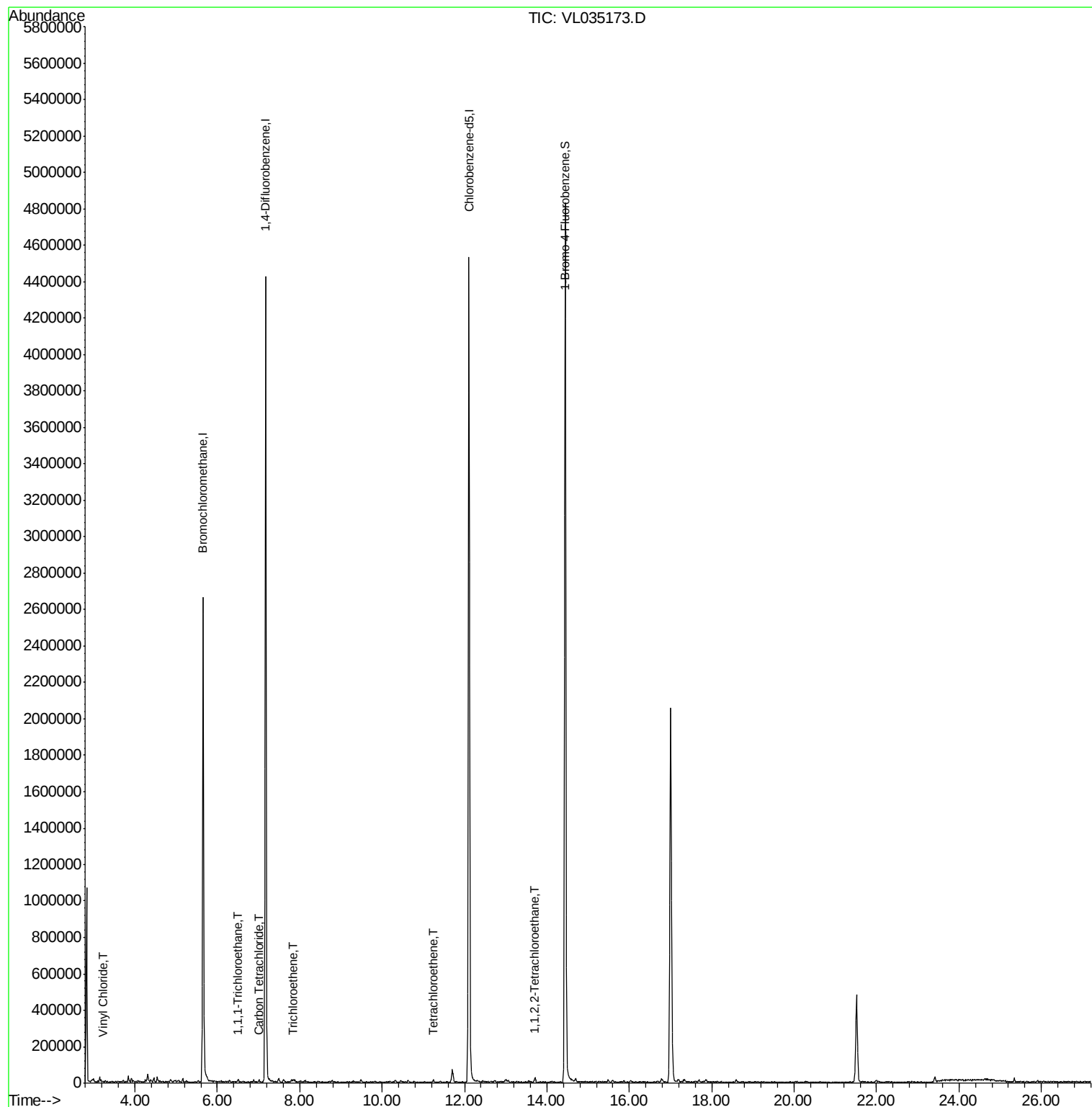
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
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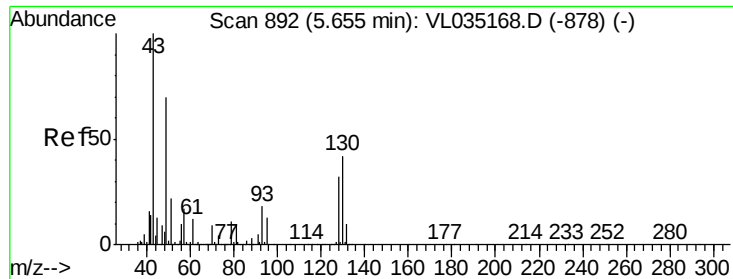
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 08 06:17:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035173.D

Acq: 8 Jul 2020 5:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1187630

Ion Ratio Lower Upper

49 100

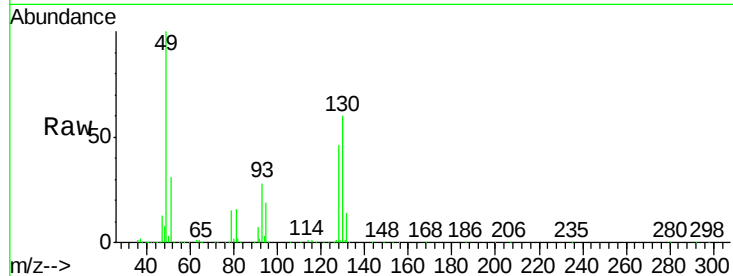
128 48.9 23.8 71.4

130 62.7 29.9 89.8

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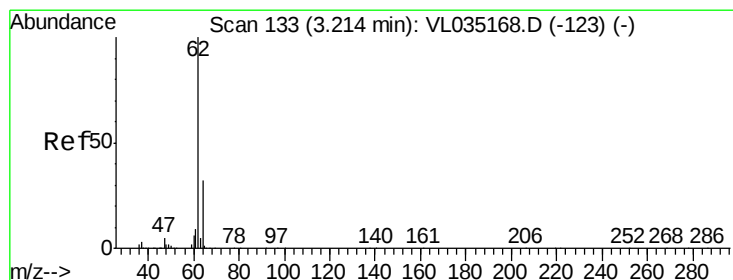
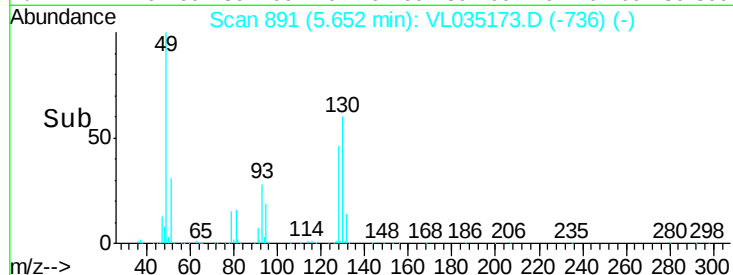
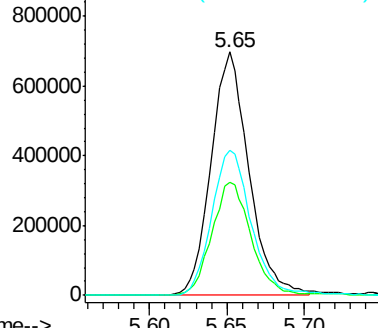
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.044 ppbv m

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL035173.D

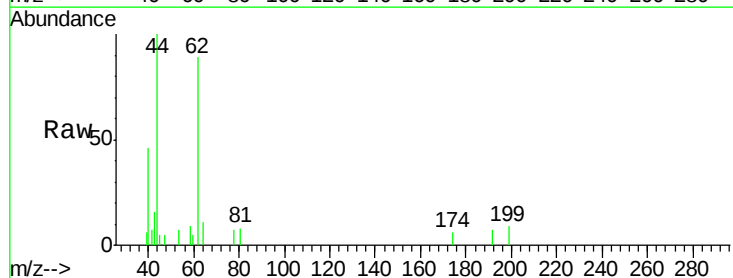
Acq: 8 Jul 2020 5:47

Tgt Ion: 62 Resp: 3075

Ion Ratio Lower Upper

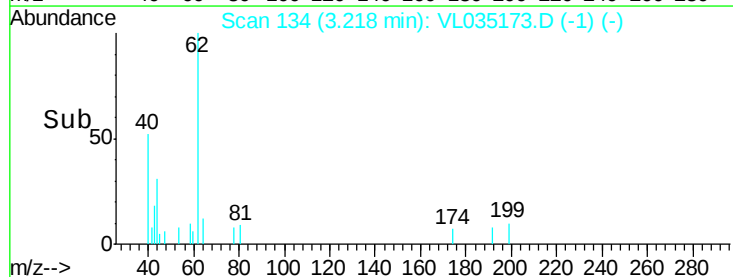
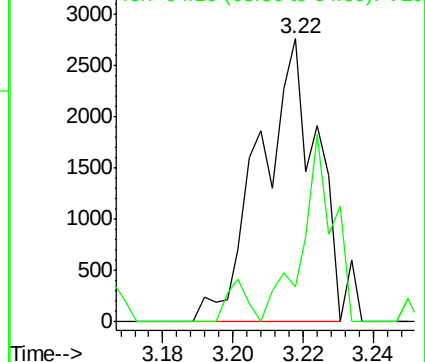
62 100

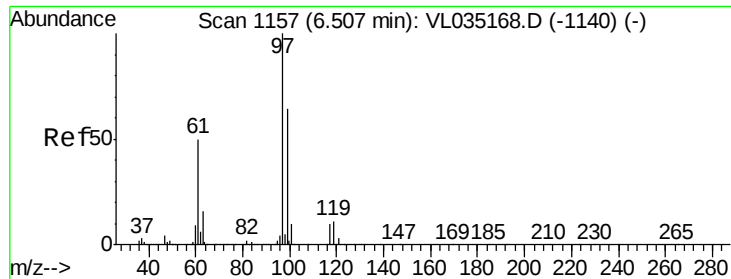
64 12.3 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





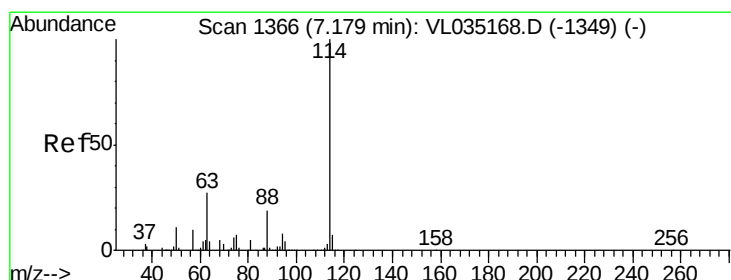
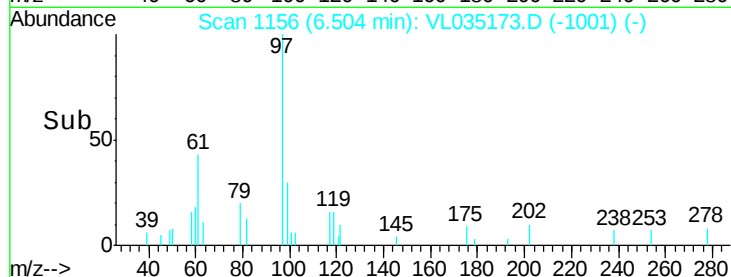
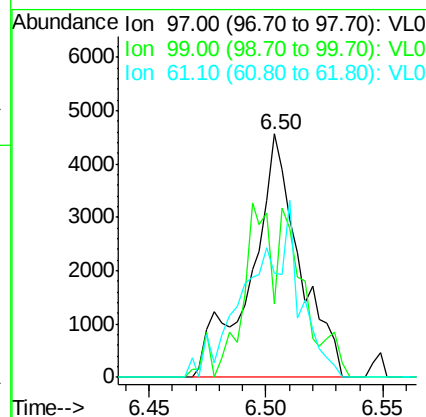
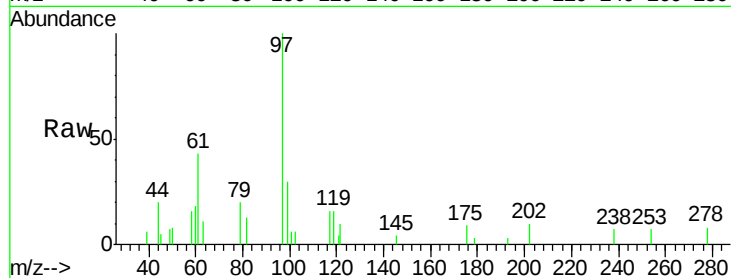
#32
 1,1,1-Trichloroethane
 Concen: 0.039 ppbv m
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL035173.D
 Acq: 8 Jul 2020 5:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
97	100		
99	82.2	51.2	76.8#
61	71.9	40.9	61.3#

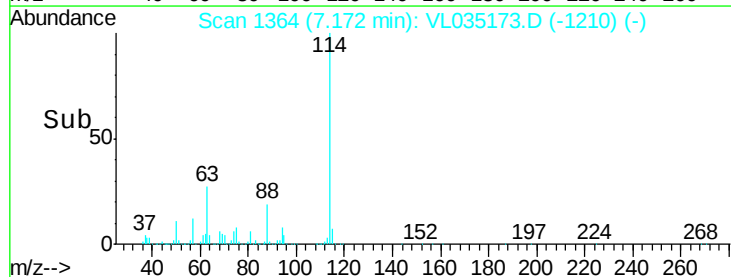
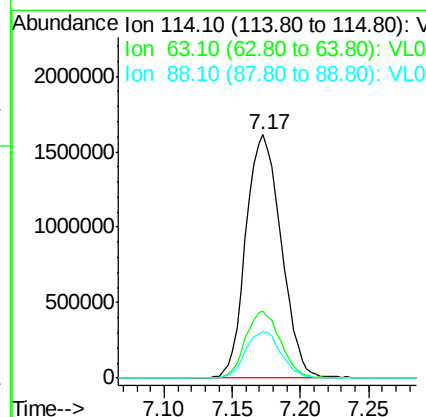
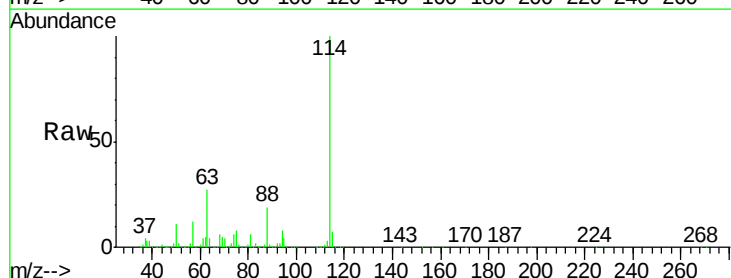
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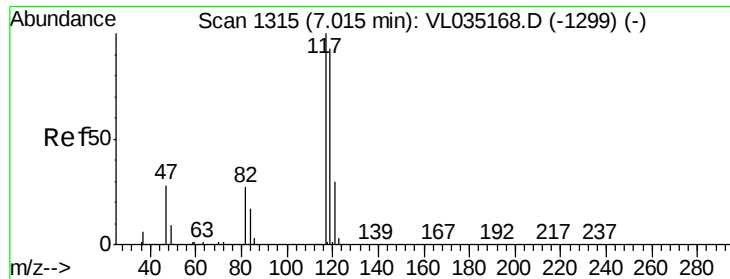
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035173.D
 Acq: 8 Jul 2020 5:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.0	33.0
88	19.2	15.4	23.0





#35

Carbon Tetrachloride

Concen: 0.036 ppbv m

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL035173.D

Acq: 8 Jul 2020 5:47

Instrument :

MSVOA_L

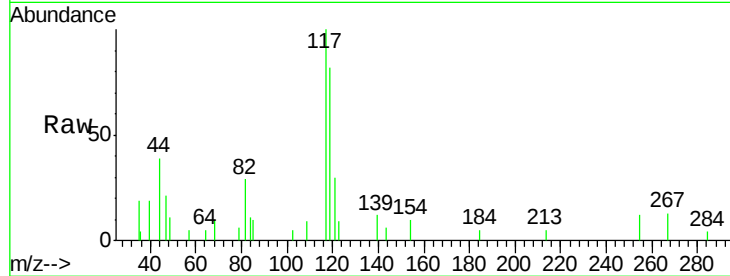
ClientSampleId :

VSTDIC0.03

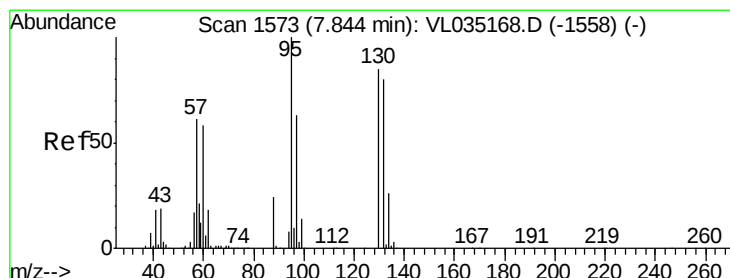
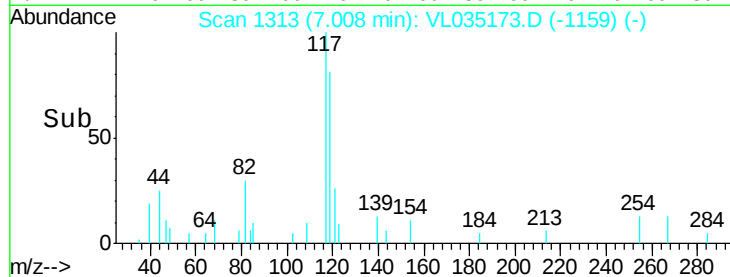
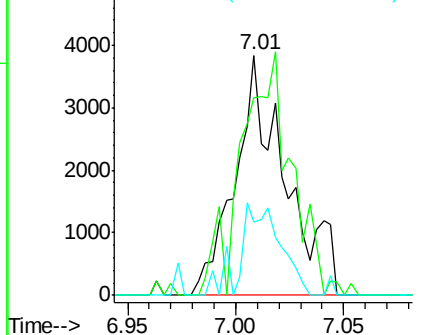
Tot Ion:	117	Resp:	6214
Ion Ratio	Lower	Upper	
117	100		
119	82.3	74.8	112.2
121	30.3	24.2	36.2

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.032 ppbv m

RT: 7.84 min Scan# 1573

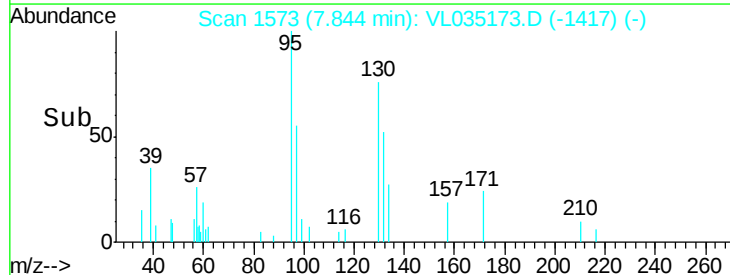
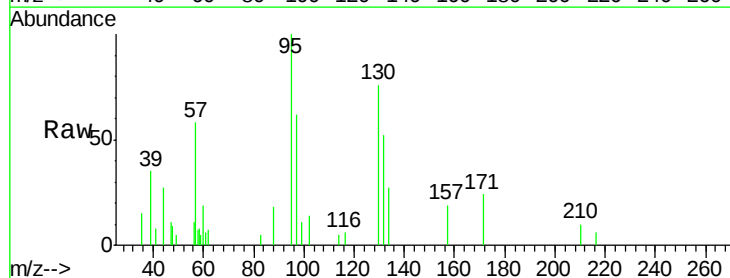
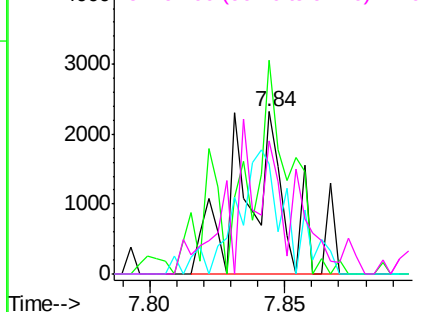
Delta R.T. 0.00 min

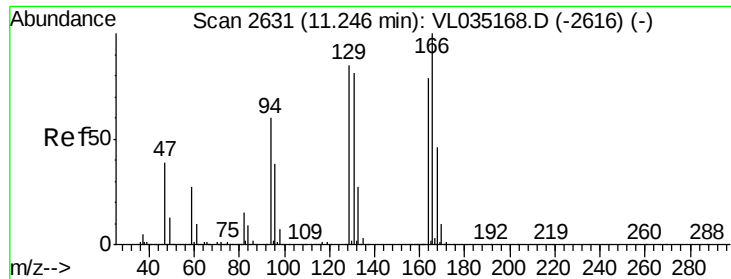
Lab File: VL035173.D

Acq: 8 Jul 2020 5:47

Tgt Ion:	130	Resp:	2802
Ion Ratio	Lower	Upper	
130	100		
95	131.5	93.8	140.8
132	68.0	75.0	112.4#
97	82.1	59.5	89.3

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





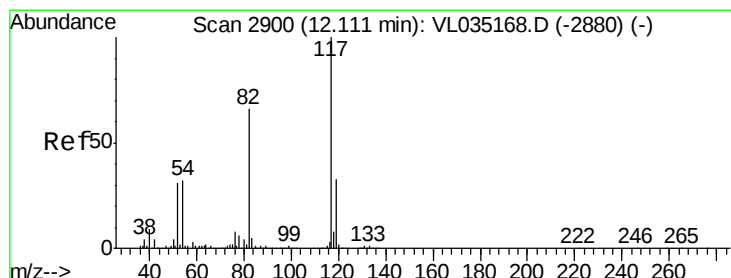
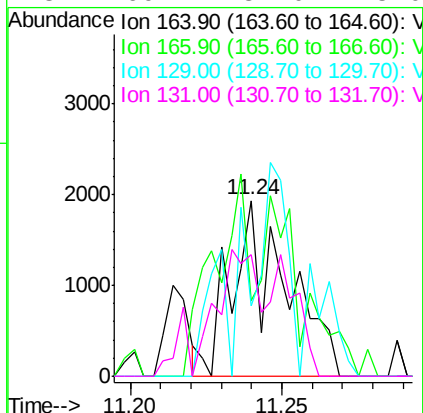
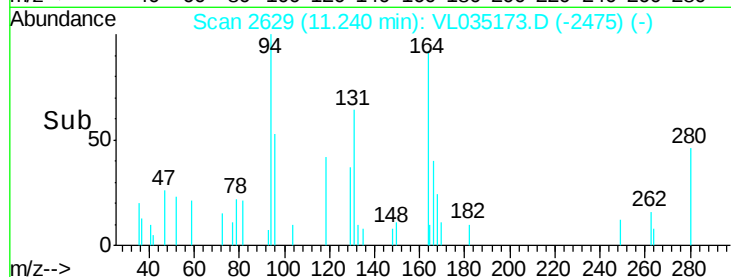
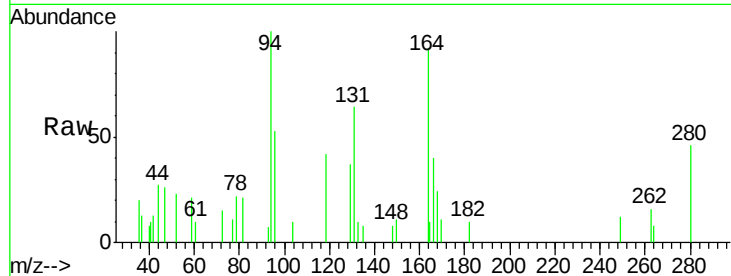
#52
Tetrachloroethene
Concen: 0.030 ppbv m
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL035173.D
Acq: 8 Jul 2020 5:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	43.1	100.7	151.1#
129	40.0	85.8	128.6#
131	69.2	82.0	123.0#

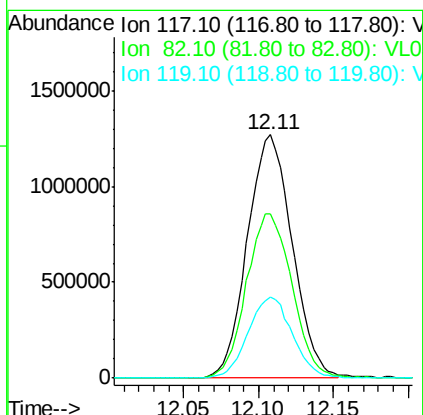
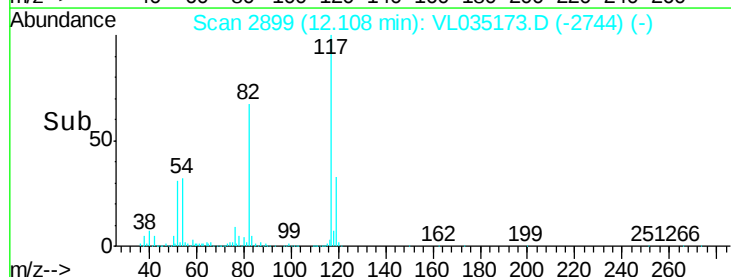
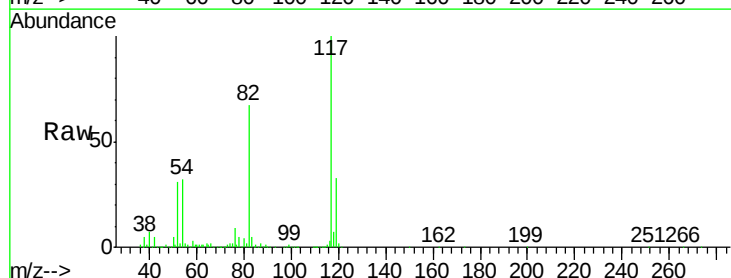
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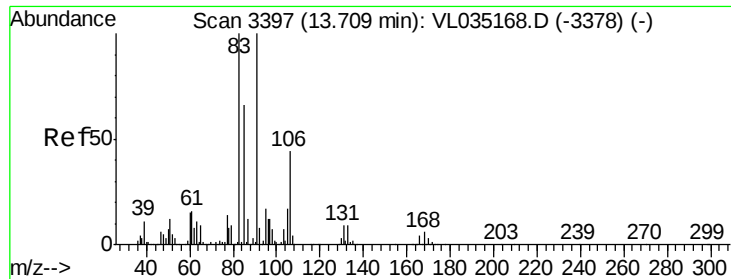
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035173.D
Acq: 8 Jul 2020 5:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.7	52.3	78.5
119	33.1	24.9	37.3





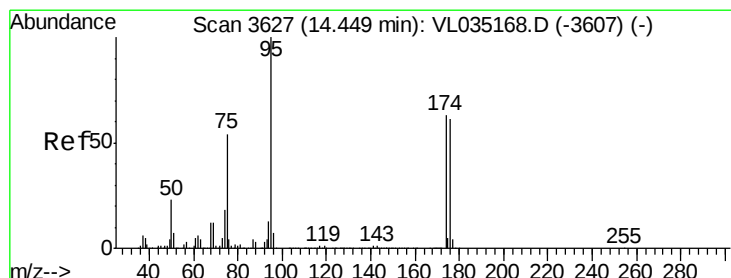
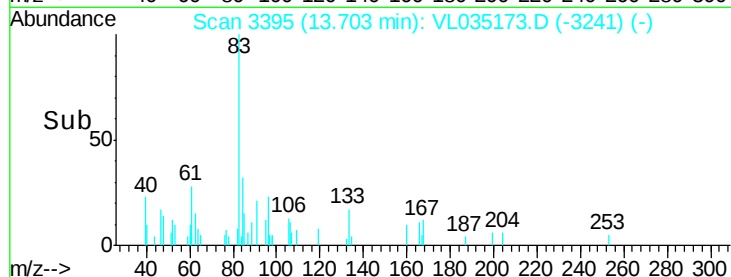
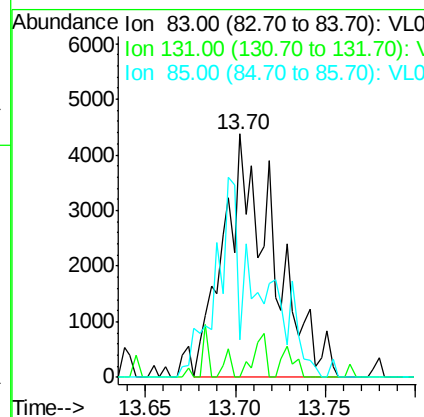
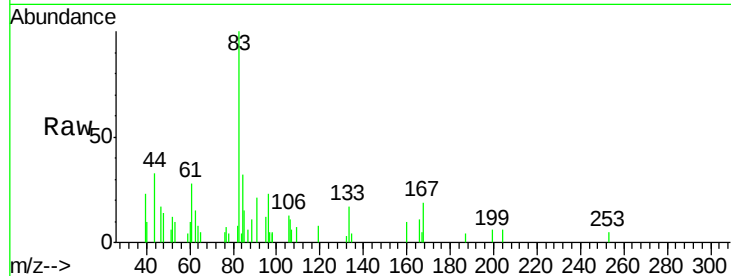
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.039 ppbv m
 RT: 13.70 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: VL035173.D
 Acq: 8 Jul 2020 5:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	0.0	33.0	99.0#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.171 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL035173.D
 Acq: 8 Jul 2020 5:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.6	52.2	78.2
175	4.7	4.0	6.0

