

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036214.D
 Acq On : 13 Jan 2021 5:07
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
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 1/18/2021 3:48:54 PM

Quant Time: Jan 13 07:43:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1677726	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3555532	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3201996	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2662084	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	8455	0.081	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	23884m	0.098	ppbv	
35) Carbon Tetrachloride	7.01	117	22389m	0.108	ppbv	
38) Trichloroethene	7.83	130	13813m	0.124	ppbv	
52) Tetrachloroethene	11.22	164	12863m	0.118	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	30486m	0.128	ppbv	

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

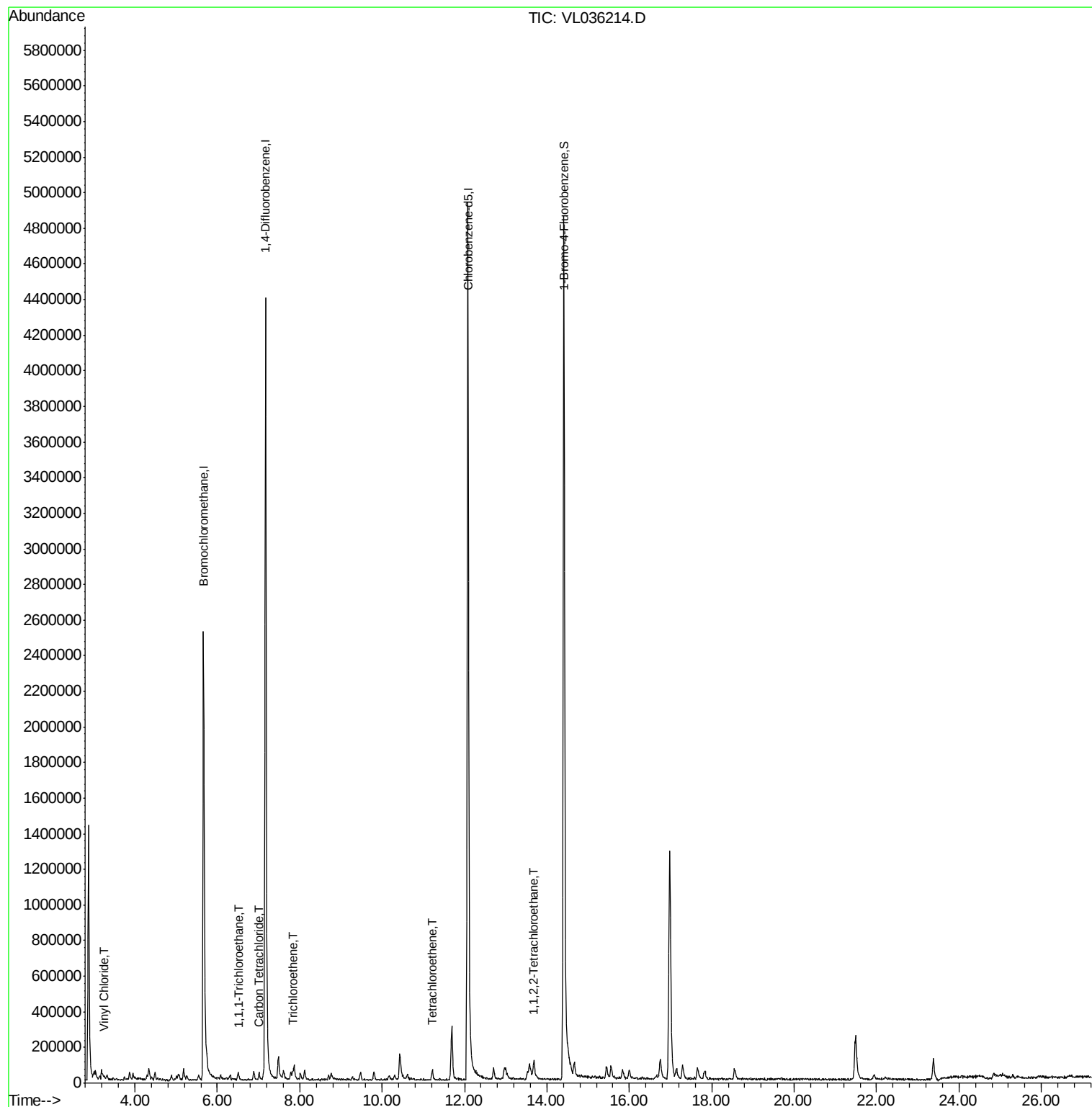
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jan
QLast Update : Wed Jan 13 05:46:16 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL036214.D

Acq: 13 Jan 2021 5:07

Instrument :

MSVOA_L

ClientSampled :

VSTDICCO.1

Tot Ion: 49 Resp: 1677726

Ion Ratio Lower Upper

49 100

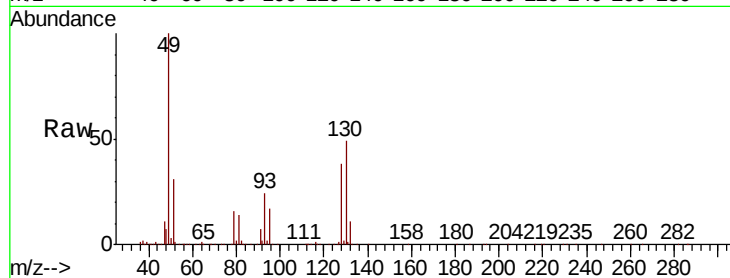
128 38.8 20.1 60.2

130 50.2 25.3 75.9

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

1000000

800000

600000

400000

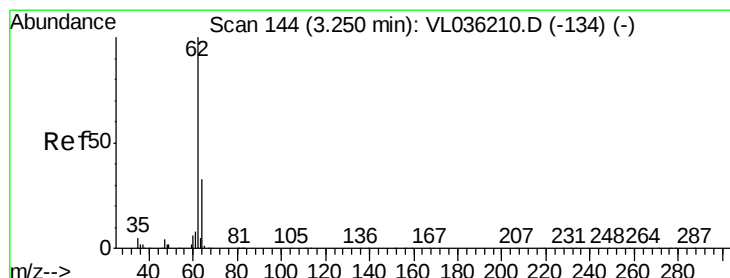
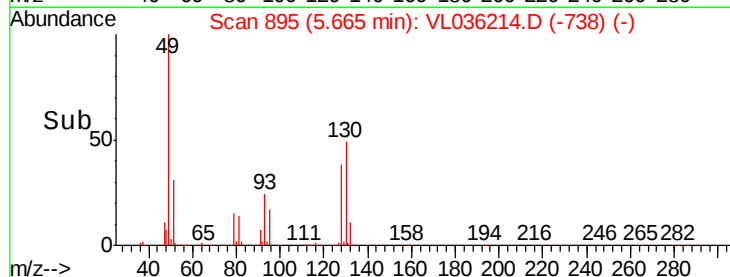
200000

0

5.66

5.60 5.70 5.80

Time-->



#5

Vinyl Chloride

Concen: 0.081 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL036214.D

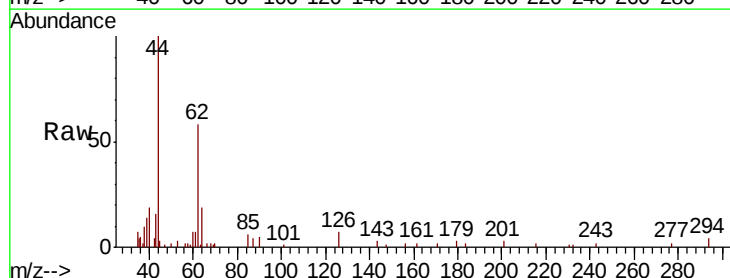
Acq: 13 Jan 2021 5:07

Tgt Ion: 62 Resp: 8455

Ion Ratio Lower Upper

62 100

64 29.2 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

8000

6000

4000

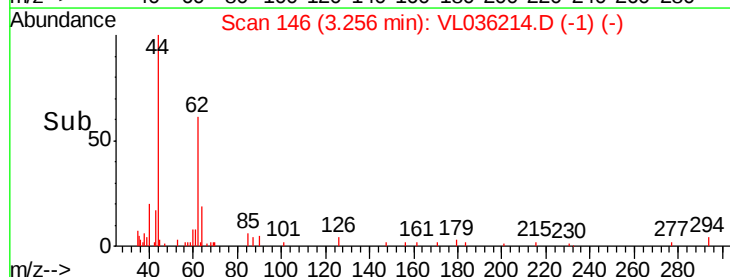
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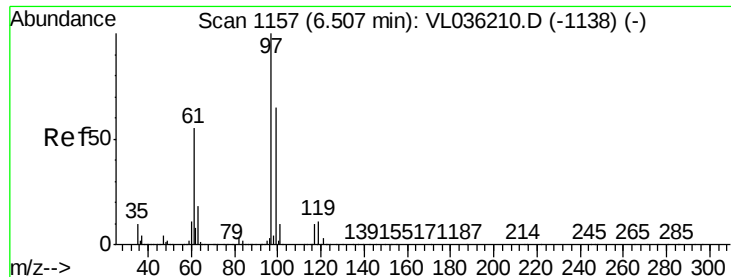
0

3.26

3.22 3.24 3.26 3.28

Time-->





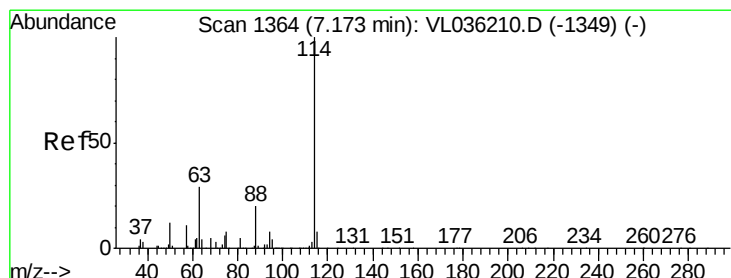
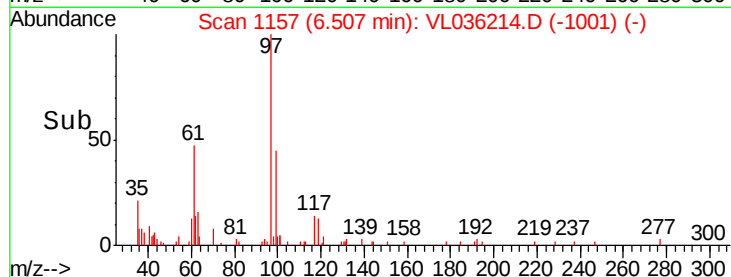
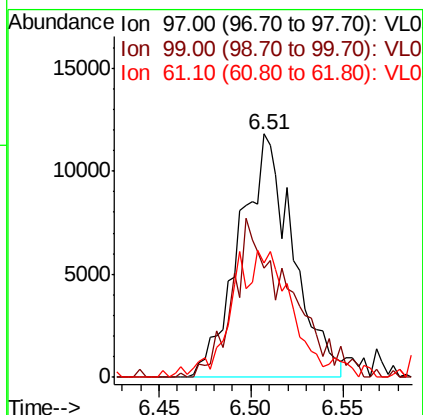
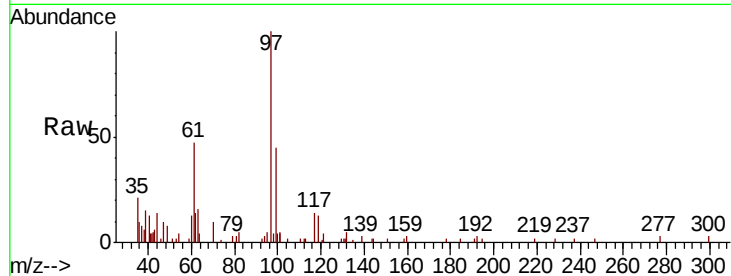
#32
 1,1,1-Trichloroethane
 Concen: 0.098 ppbv m
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL036214.D
 Acq: 13 Jan 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	60.4	43.6	65.4

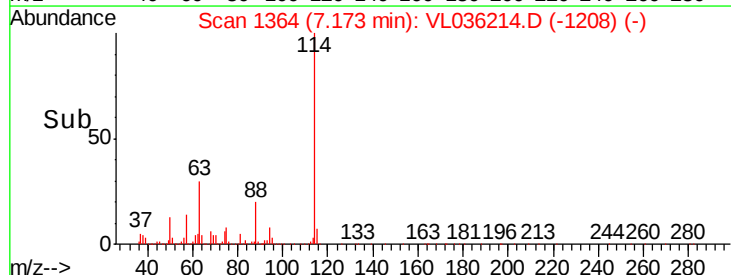
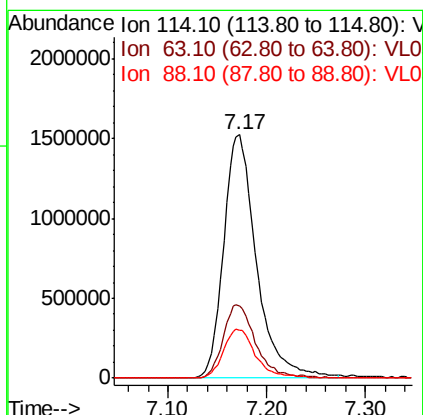
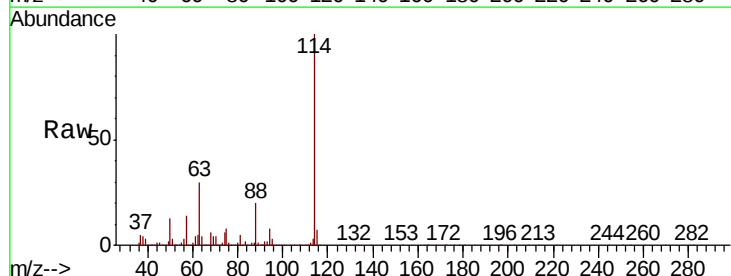
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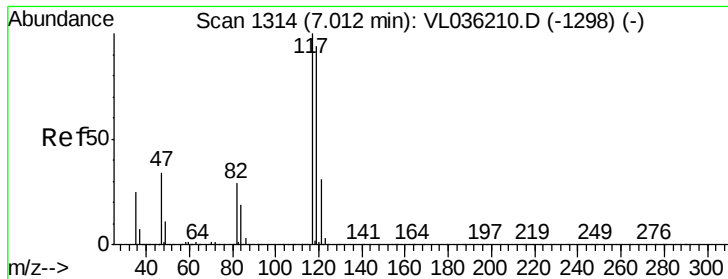
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL036214.D
 Acq: 13 Jan 2021 5:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.6	24.7	37.1
88	20.3	16.6	24.8





#35

Carbon Tetrachloride

Concen: 0.108 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VL036214.D

Acq: 13 Jan 2021 5:07

Instrument :

MSVOA_L

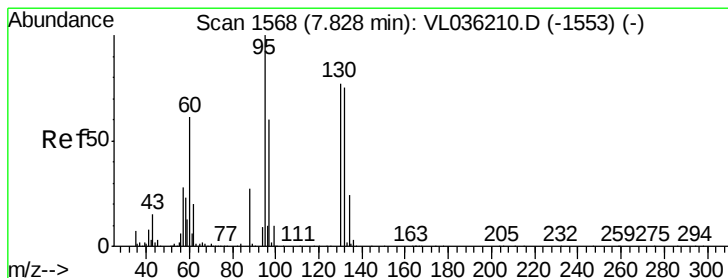
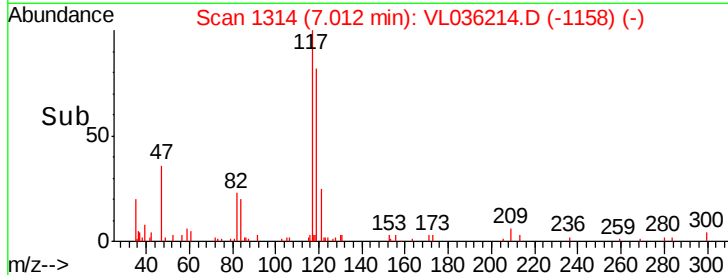
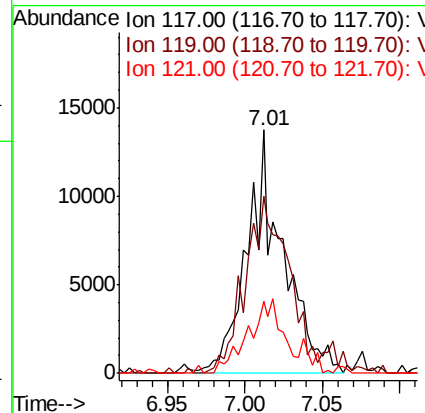
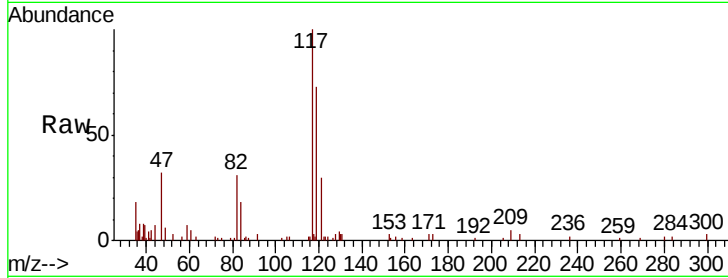
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	22389
Ion Ratio	Lower	Upper	
117	100		
119	72.6	74.9	112.3#
121	29.8	25.0	37.6

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#38

Trichloroethene

Concen: 0.124 ppbv m

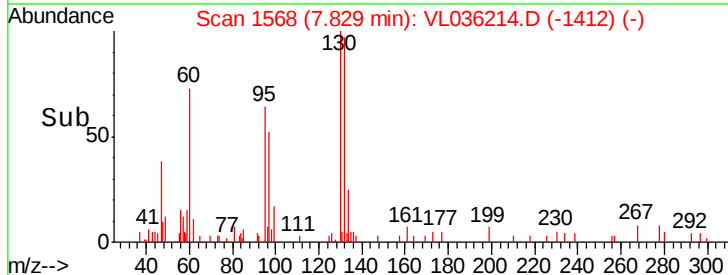
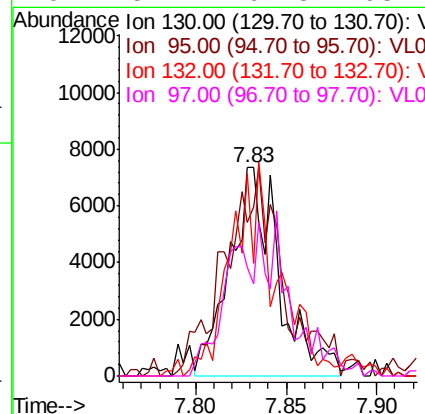
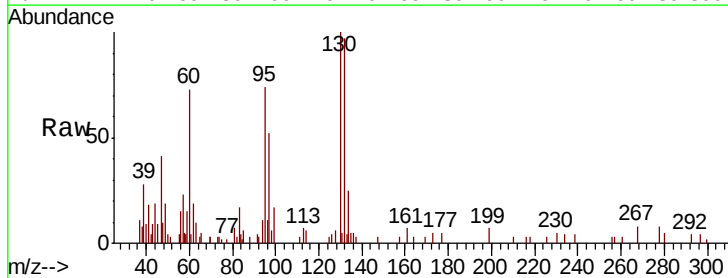
RT: 7.83 min Scan# 1568

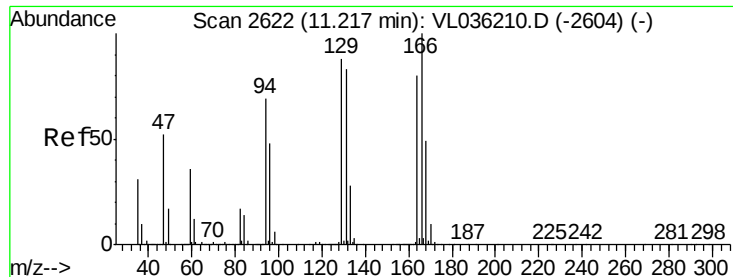
Delta R.T. 0.00 min

Lab File: VL036214.D

Acq: 13 Jan 2021 5:07

Tgt Ion:	130	Resp:	13813
Ion Ratio	Lower	Upper	
130	100		
95	73.6	103.9	155.9#
132	96.9	77.4	116.2
97	52.4	62.5	93.7#





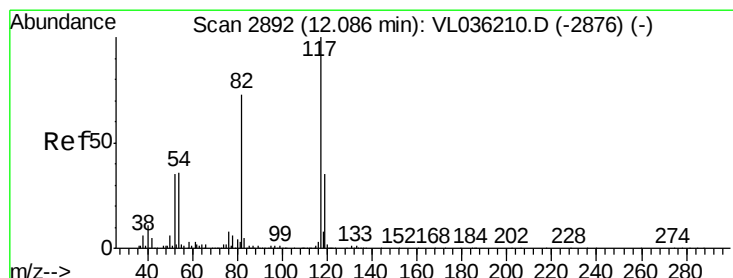
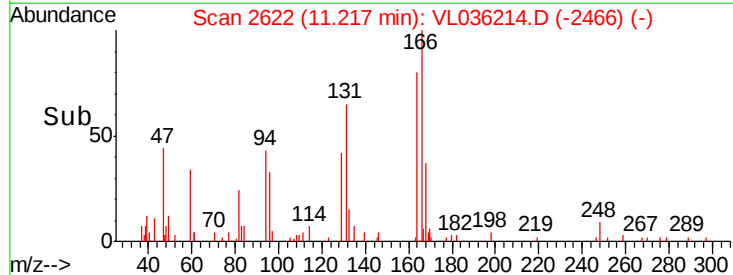
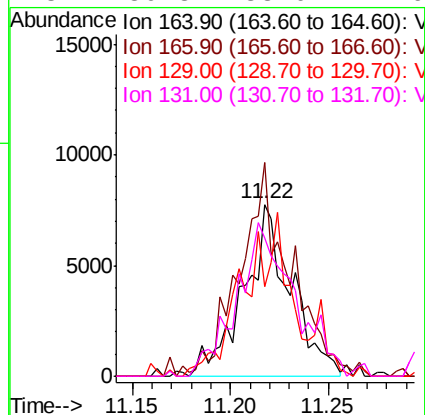
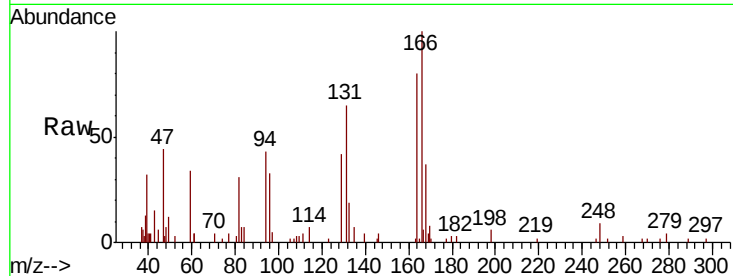
#52
Tetrachloroethene
Concen: 0.118 ppbv m
RT: 11.22 min Scan# 2622
Delta R.T. 0.00 min
Lab File: VL036214.D
Acq: 13 Jan 2021 5:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.9	149.9
129	52.1	88.2	132.4
131	80.3	83.0	124.6

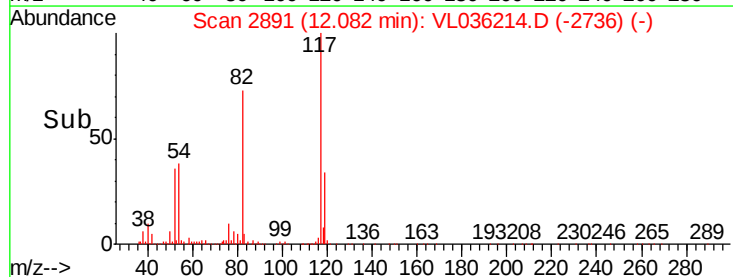
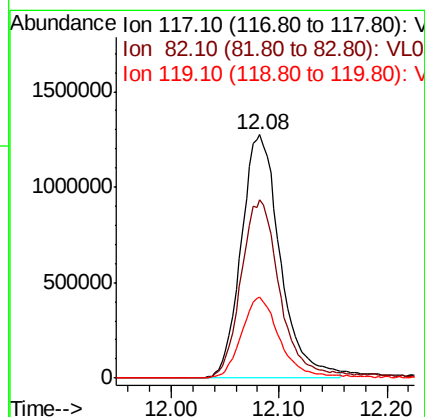
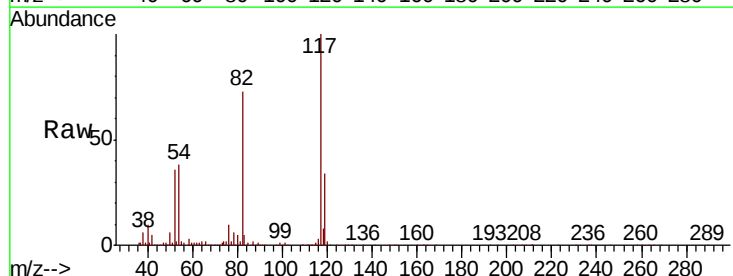
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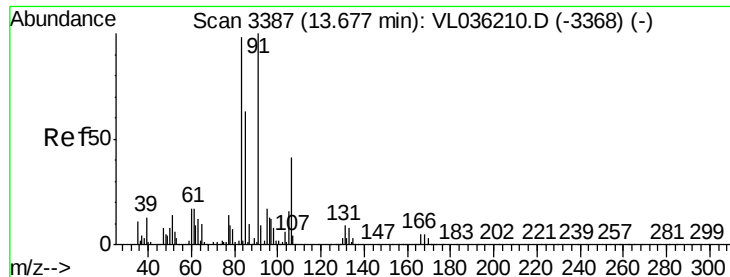
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL036214.D
Acq: 13 Jan 2021 5:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	74.8	59.7	89.5
119	33.6	28.6	43.0





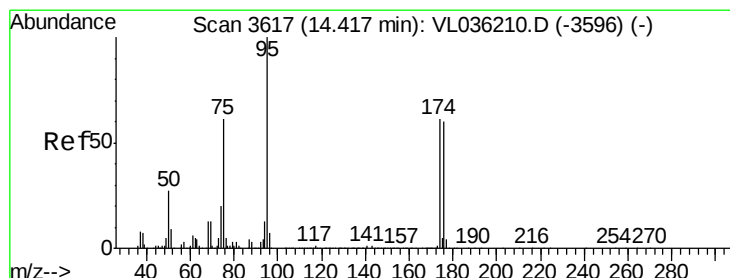
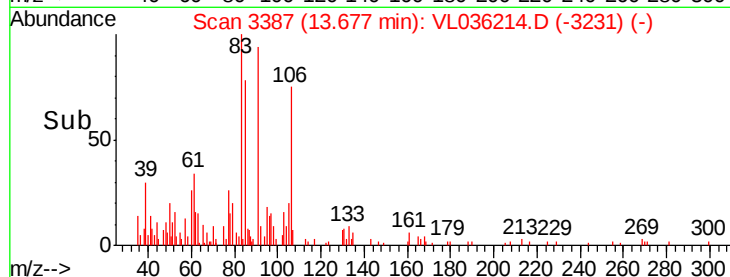
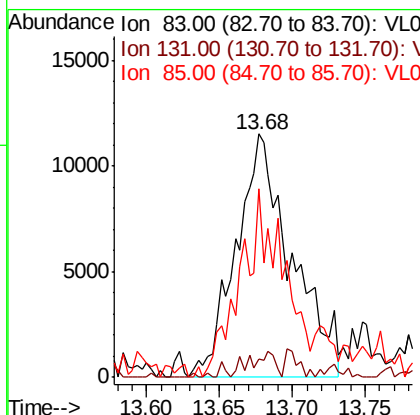
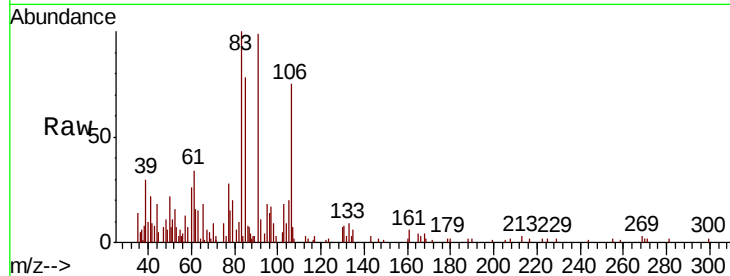
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.128 ppbv m
 RT: 13.68 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VL036214.D
 Acq: 13 Jan 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.5#
85	69.3	33.1	99.3

Manual Integrations
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.363 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.00 min
 Lab File: VL036214.D
 Acq: 13 Jan 2021 5:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.9	49.4	74.0
175	4.6	3.8	5.8

