

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036215.D
 Acq On : 13 Jan 2021 5:43
 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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 1/18/2021 3:48:57 PM

Quant Time: Jan 14 16:13:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 16:13:38 2021
 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	1550419	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3372221	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3026774	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2462001	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	3133m	0.033	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	7184m	0.032	ppbv	
35) Carbon Tetrachloride	7.02	117	6729m	0.034	ppbv	
38) Trichloroethene	7.83	130	4869m	0.046	ppbv	
52) Tetrachloroethene	11.21	164	5244m	0.051	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	10258m	0.046	ppbv	

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

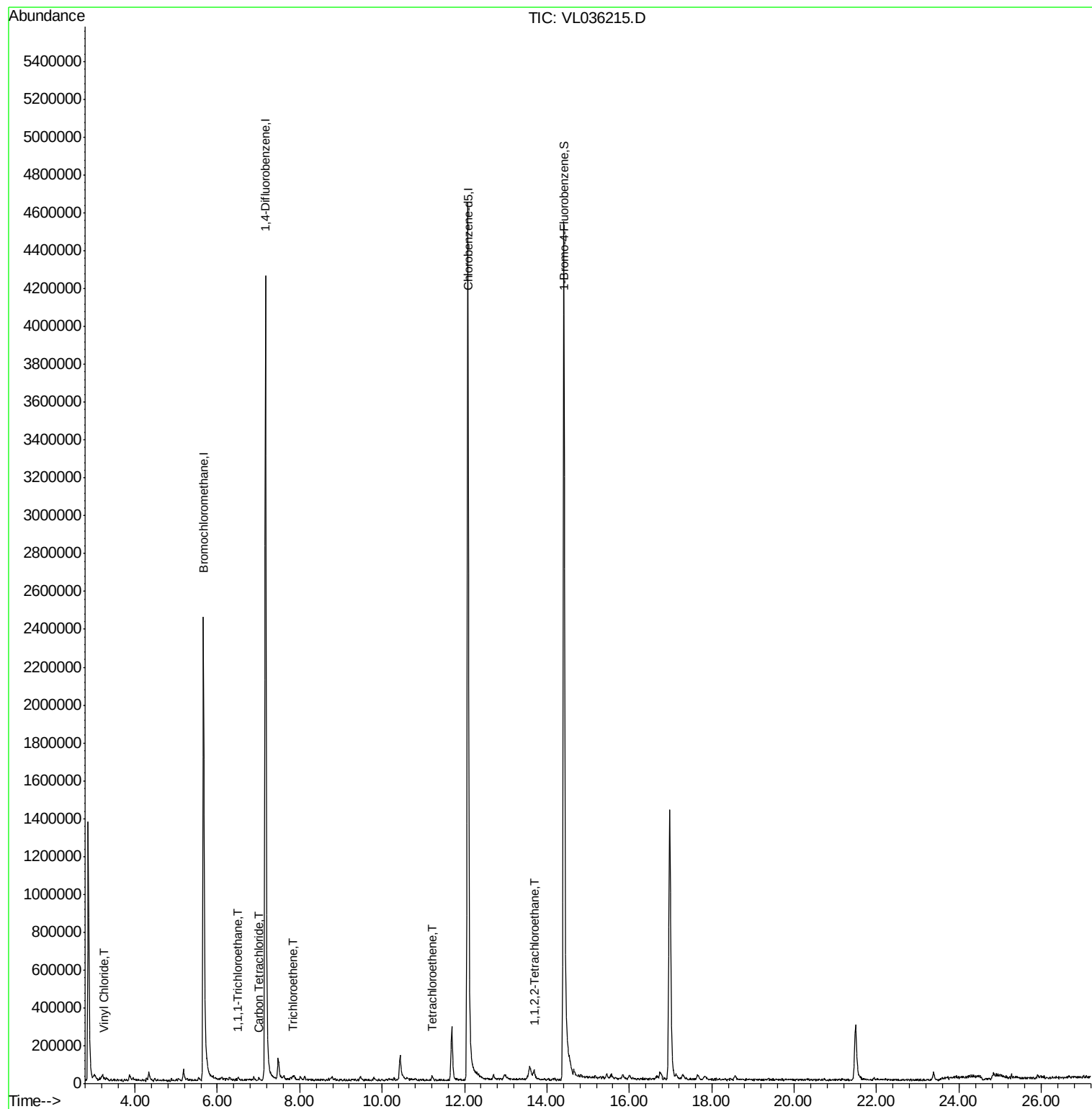
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL011321\
Data File : VL036215.D
Acq On : 13 Jan 2021 5:43
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA L
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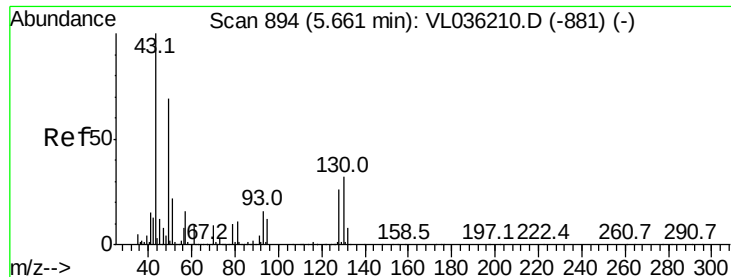
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Jan 14 16:13:38 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
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# 894

Delta R.T. -0.00 min

Lab File: VL036215.D

Acq: 13 Jan 2021 5:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1550419

Ion Ratio Lower Upper

49 100

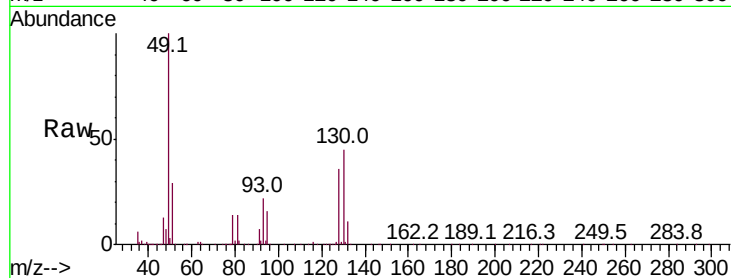
128 39.9 20.1 60.2

130 51.5 25.3 75.9

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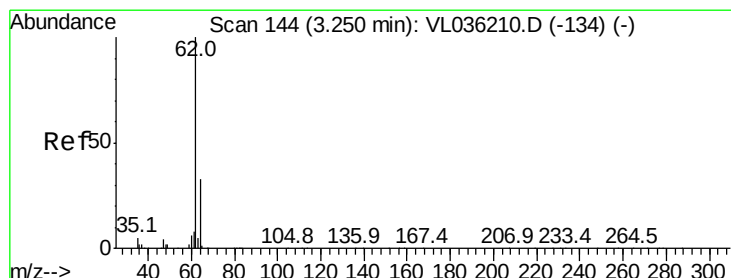
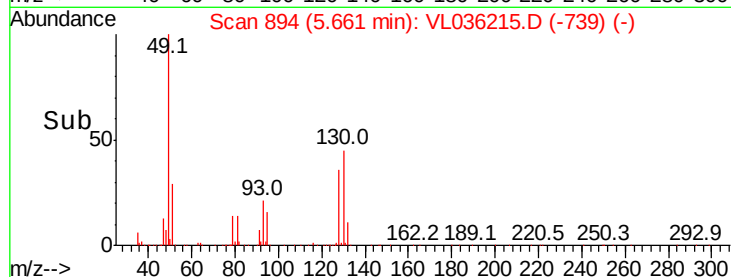
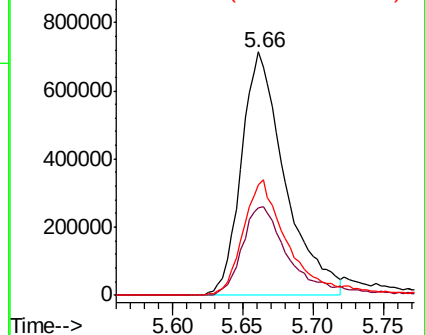
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.033 ppbv m

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL036215.D

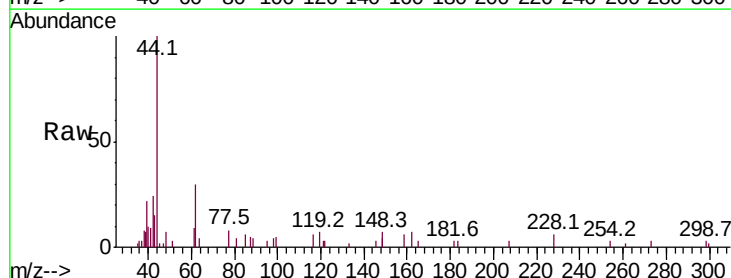
Acq: 13 Jan 2021 5:43

Tgt Ion: 62 Resp: 3133

Ion Ratio Lower Upper

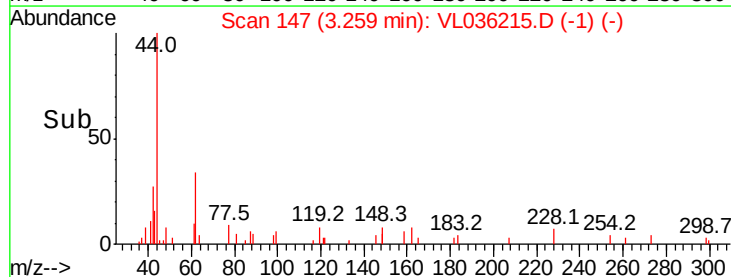
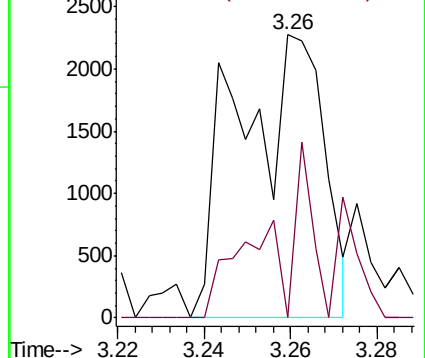
62 100

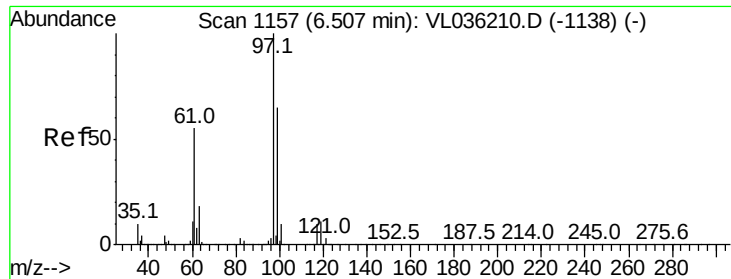
64 0.0 26.2 39.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





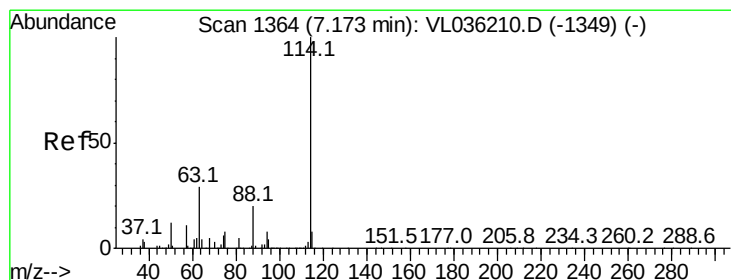
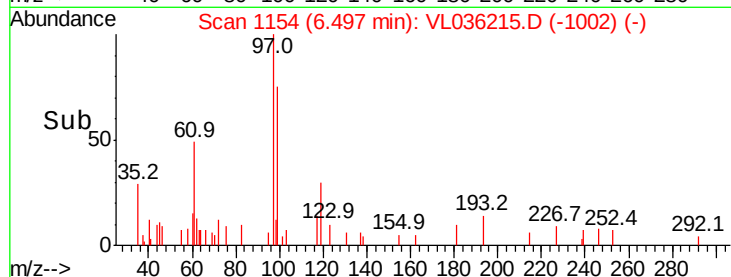
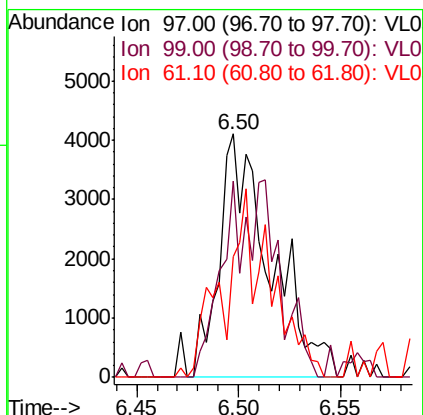
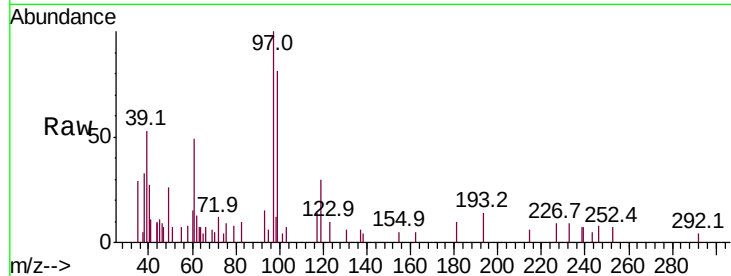
#32
 1,1,1-Trichloroethane
 Concen: 0.032 ppbv m
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VL036215.D
 Acq: 13 Jan 2021 5:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	69.7	43.6	65.4#

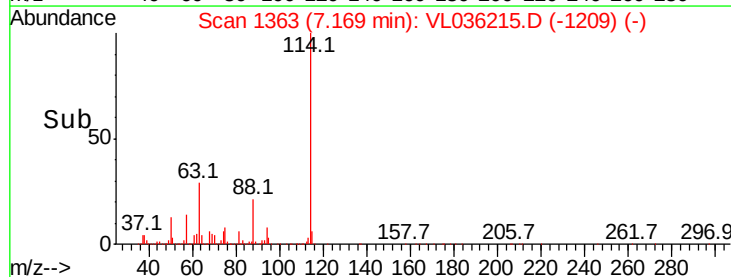
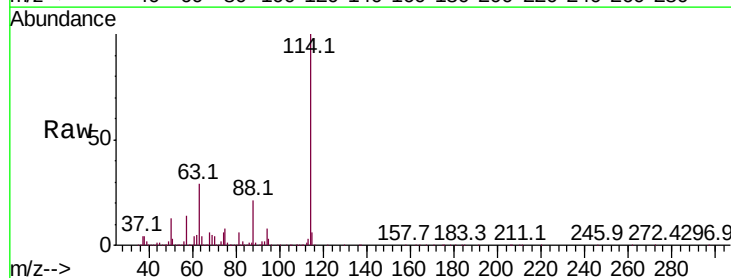
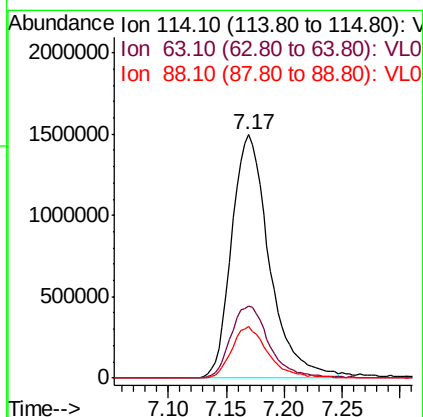
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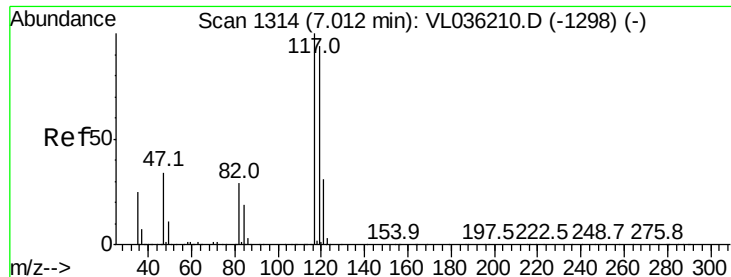
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL036215.D
 Acq: 13 Jan 2021 5:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.9	24.7	37.1
88	20.8	16.6	24.8





#35

Carbon Tetrachloride

Concen: 0.034 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VL036215.D

Acq: 13 Jan 2021 5:43

Instrument :

MSVOA_L

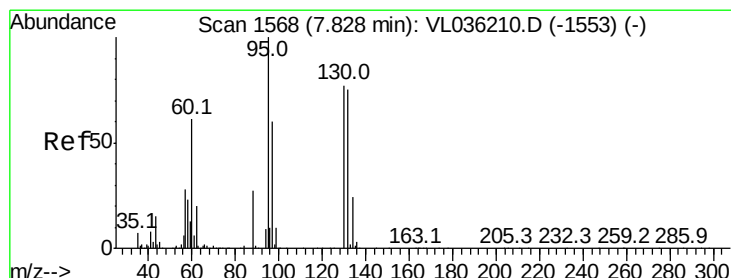
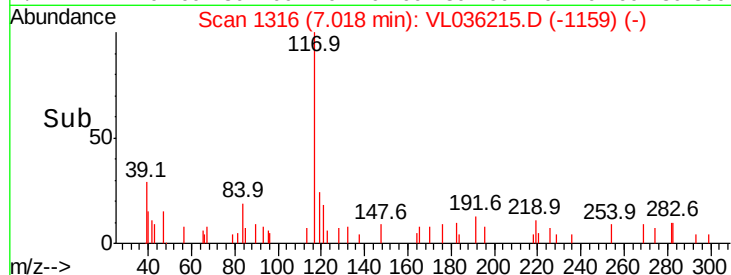
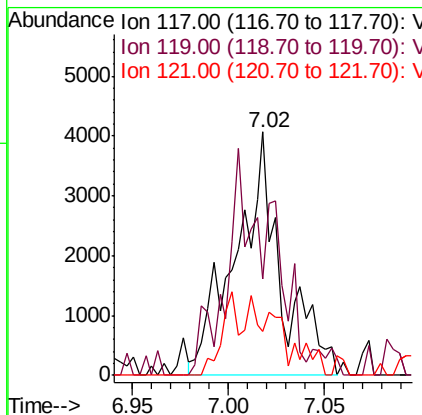
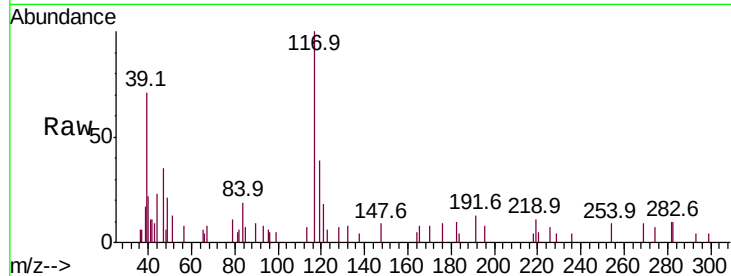
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	6729
Ion Ratio	Lower	Upper	
117	100		
119	39.4	74.9	112.3#
121	18.1	25.0	37.6#

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#38

Trichloroethene

Concen: 0.046 ppbv m

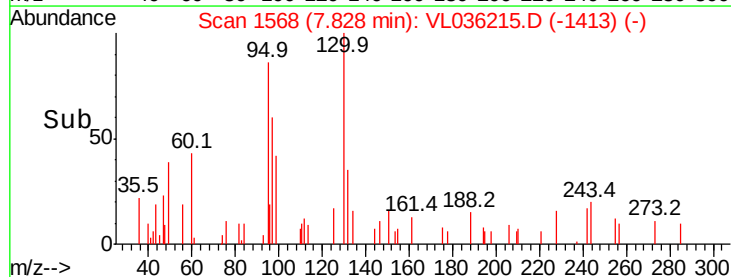
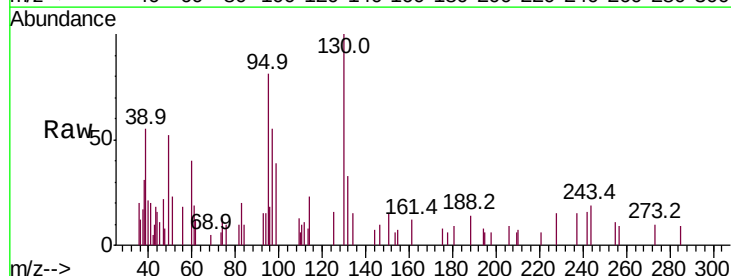
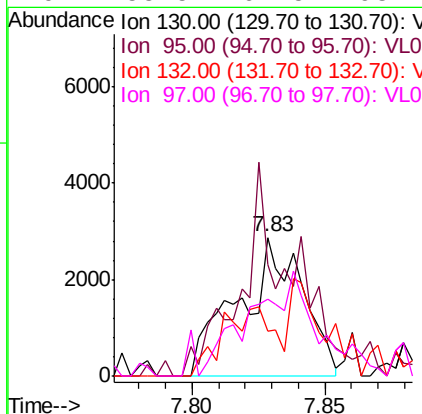
RT: 7.83 min Scan# 1568

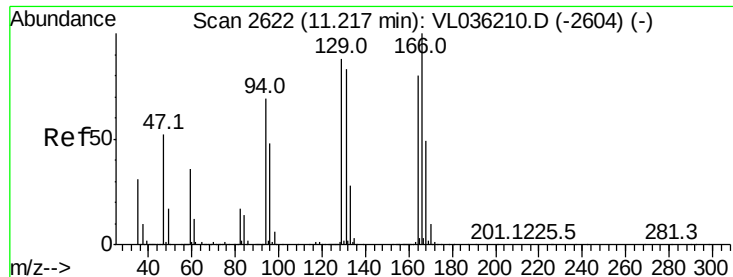
Delta R.T. -0.00 min

Lab File: VL036215.D

Acq: 13 Jan 2021 5:43

Tgt Ion:	130	Resp:	4869
Ion Ratio	Lower	Upper	
130	100		
95	80.6	103.9	155.9#
132	32.8	77.4	116.2#
97	55.5	62.5	93.7#





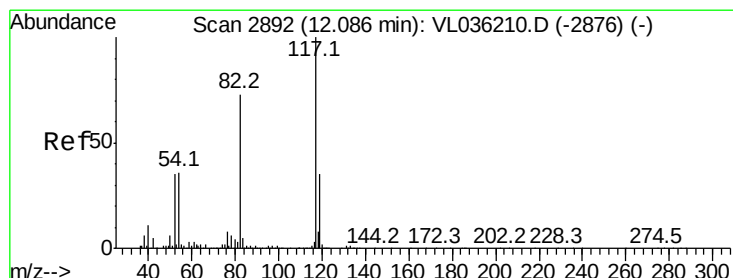
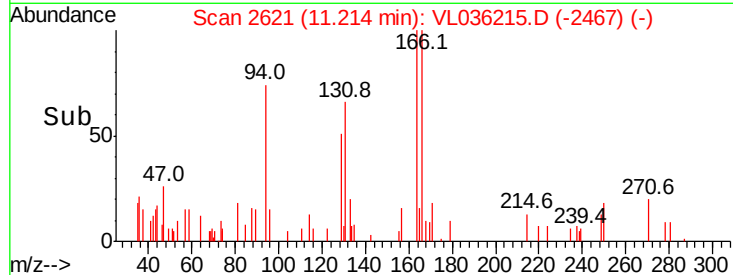
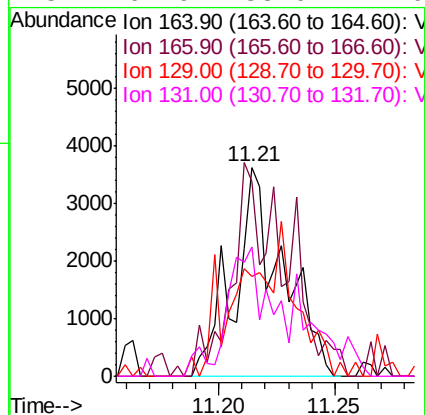
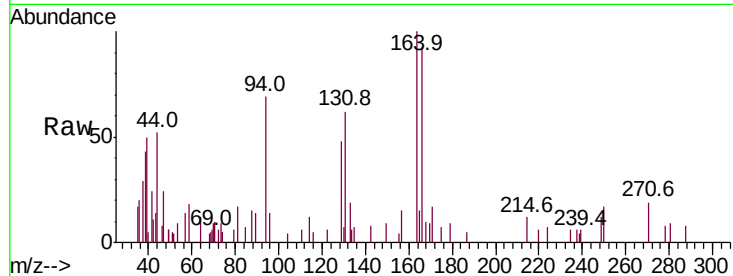
#52
Tetrachloroethene
Concen: 0.051 ppbv m
RT: 11.21 min Scan# 2621
Delta R.T. -0.00 min
Lab File: VL036215.D
Acq: 13 Jan 2021 5:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	93.2	99.9	149.9#
129	47.9	88.2	132.4#
131	61.9	83.0	124.6#

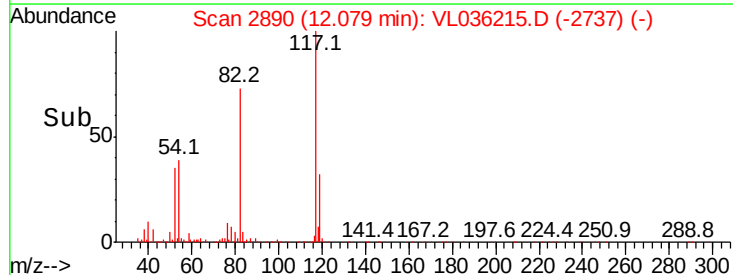
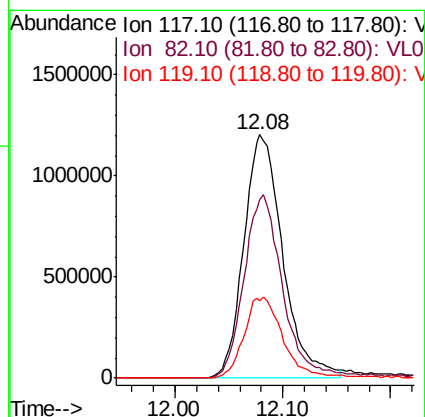
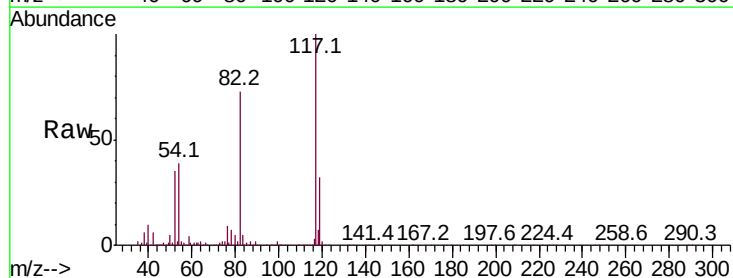
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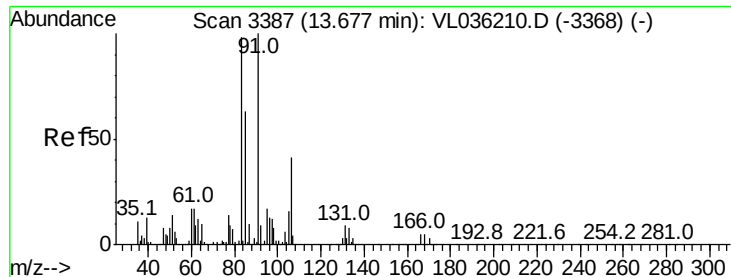
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036215.D
Acq: 13 Jan 2021 5:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	76.1	59.7	89.5
119	33.9	28.6	43.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.046 ppbv m

RT: 13.70 min Scan# 3393

Delta R.T. 0.02 min

Lab File: VL036215.D

Acq: 13 Jan 2021 5:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 83 Resp: 10258

Ion Ratio Lower Upper

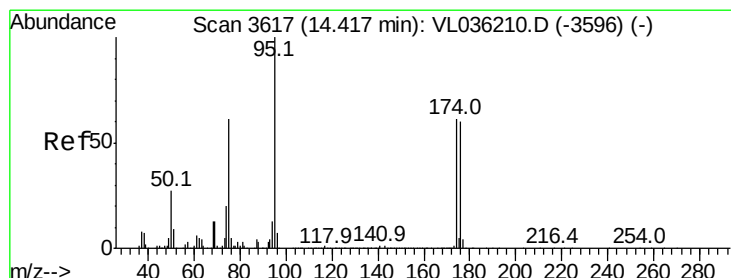
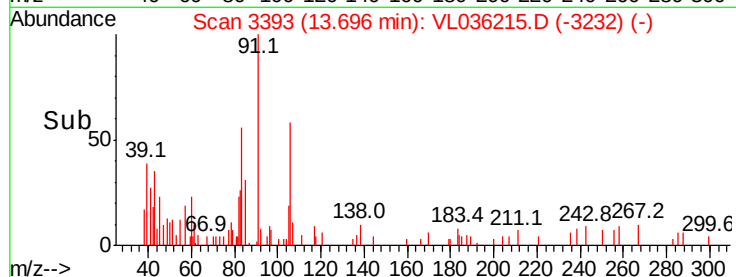
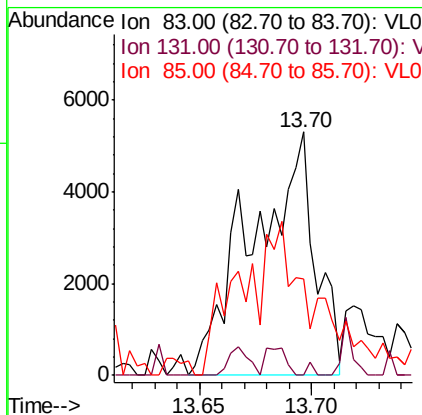
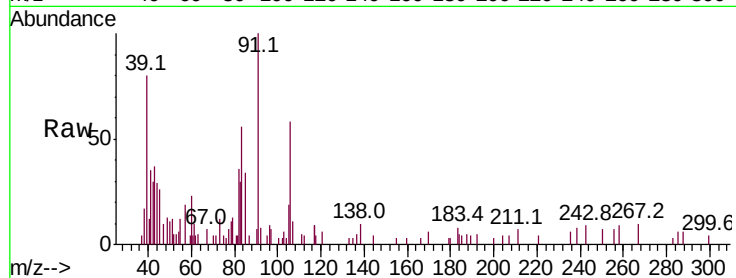
83 100

131 8.0 4.5 13.5

85 0.0 33.1 99.3#

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.139 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL036215.D

Acq: 13 Jan 2021 5:43

Tgt Ion: 95 Resp: 2462001

Ion Ratio Lower Upper

95 100

174 65.0 49.4 74.0

175 4.6 3.8 5.8

