

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036319.D
 Acq On : 10 Feb 2021 14:38
 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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 2/12/2021 1:42:01 PM

Quant Time: Feb 10 15:38:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 13:51:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1534819	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3332365	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3042506	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2450769	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.24	62	2936m	0.033	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	6596m	0.030	ppbv	
35) Carbon Tetrachloride	7.01	117	8094m	0.038	ppbv	
38) Trichloroethene	7.82	130	3185m	0.028	ppbv	
52) Tetrachloroethene	11.19	164	4033m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	11885m	0.043	ppbv	

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

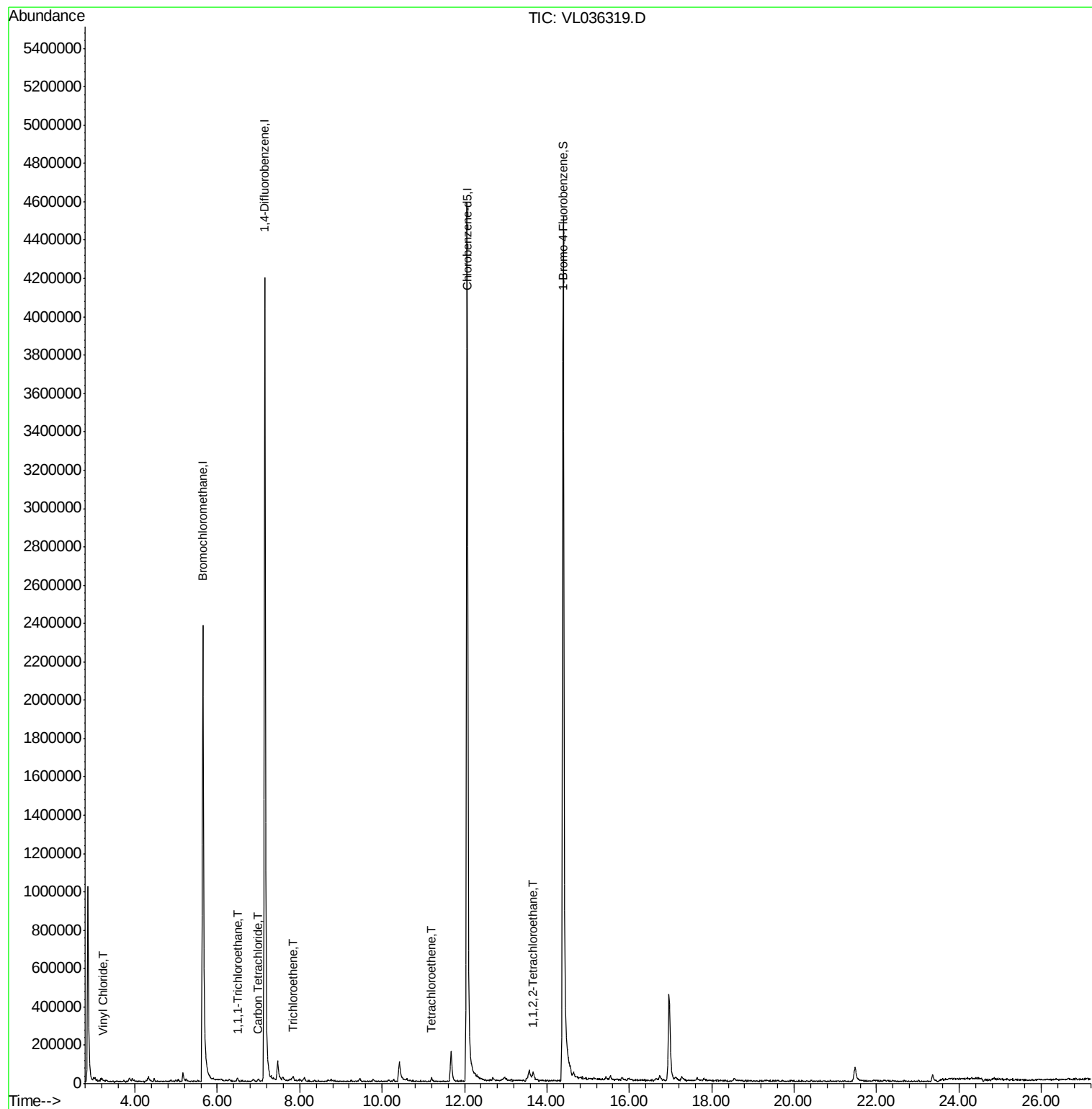
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021021\
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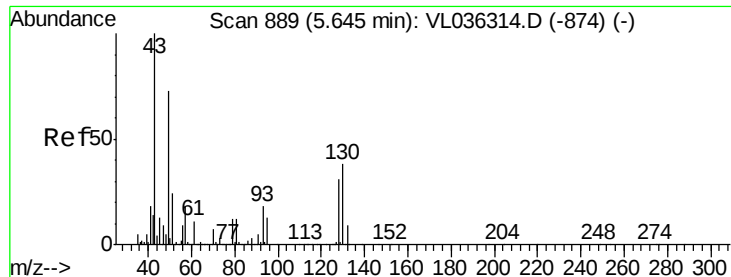
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ClientSampleId :
VSTDICC0.03

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QLast Update : Wed Feb 10 13:51:24 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL036319.D

Acq: 10 Feb 2021 14:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1534819

Ion Ratio Lower Upper

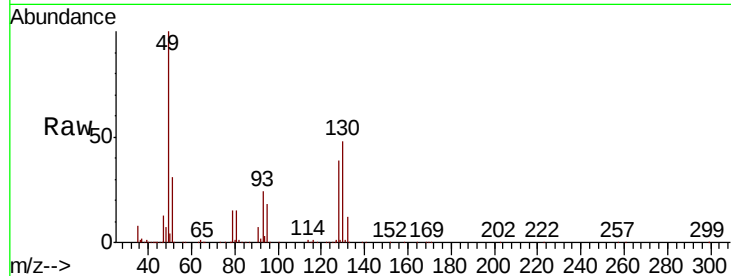
49 100

128 42.2 20.8 62.5

130 52.9 26.7 80.1

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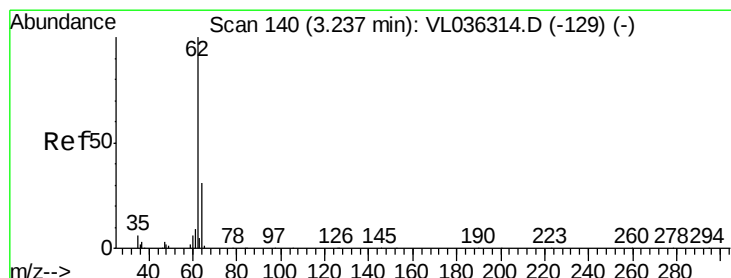
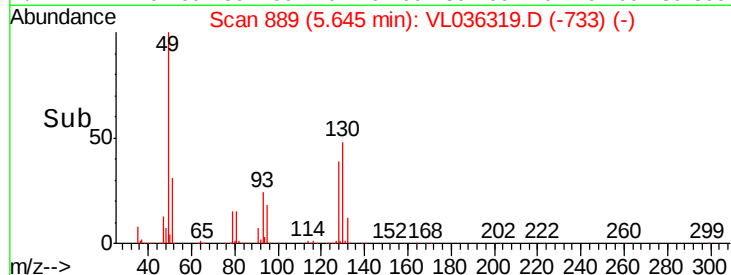
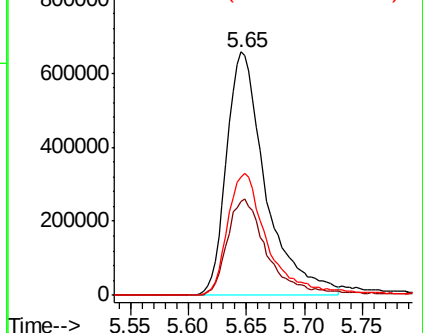
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.033 ppbv m

RT: 3.24 min Scan# 140

Delta R.T. 0.00 min

Lab File: VL036319.D

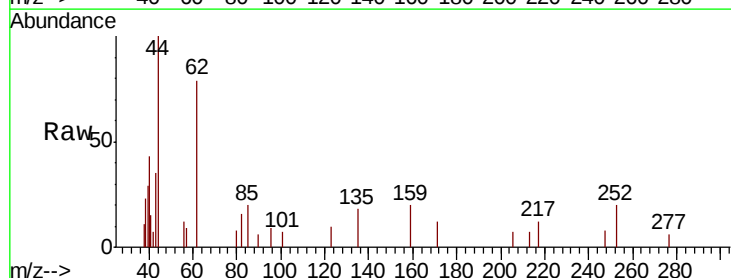
Acq: 10 Feb 2021 14:38

Tgt Ion: 62 Resp: 2936

Ion Ratio Lower Upper

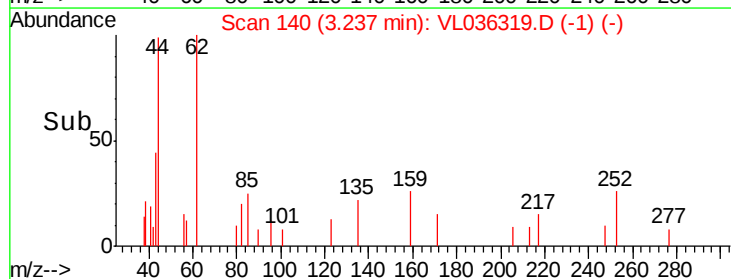
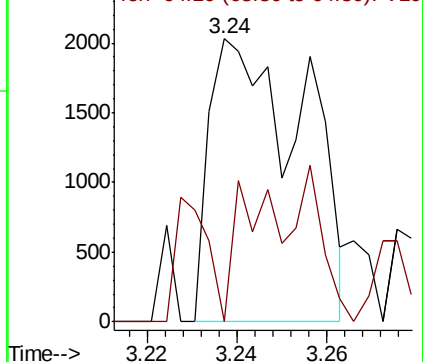
62 100

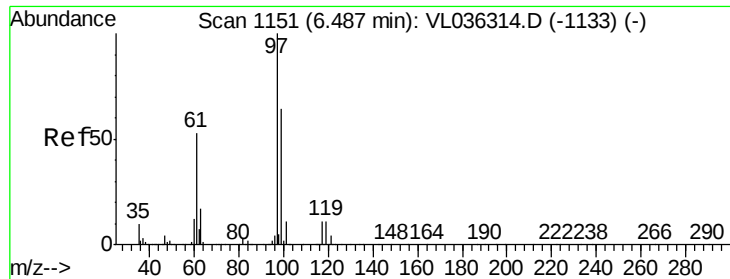
64 0.0 24.4 36.6#



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: 0.030 ppbv m

RT: 6.49 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VL036319.D

Acq: 10 Feb 2021 14:38

Instrument :

MSVOA_L

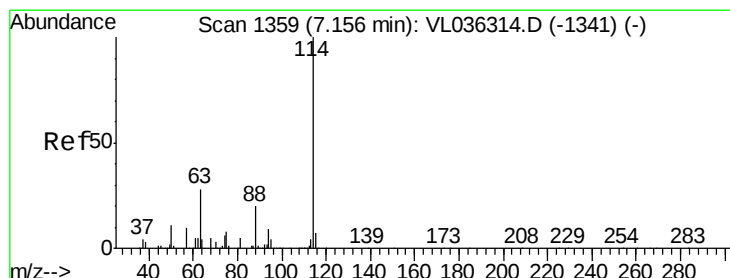
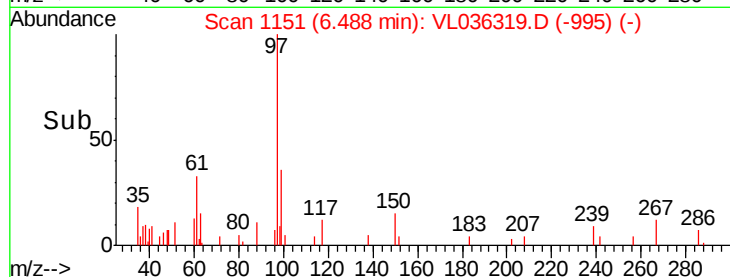
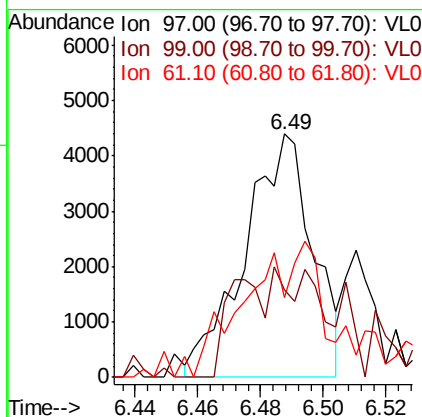
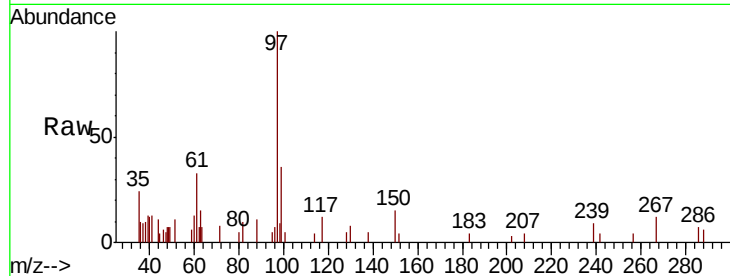
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	6596
Ion	Ratio	Lower	Upper
97	100		
99	75.4	52.2	78.4
61	80.0	43.3	64.9#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

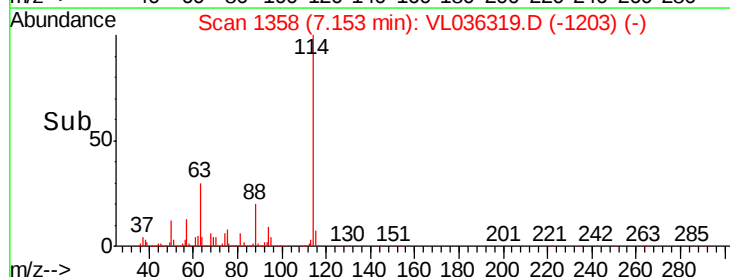
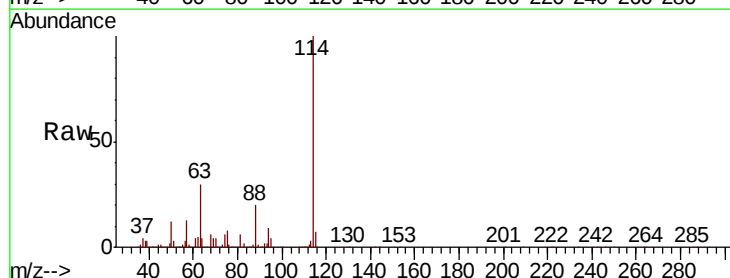
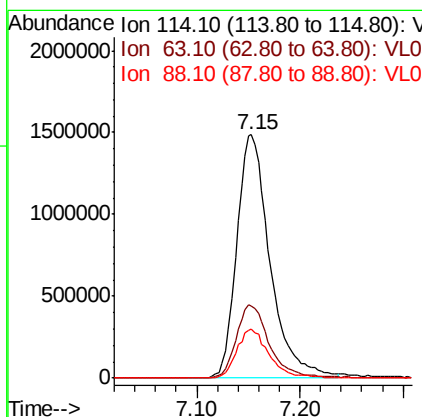
RT: 7.15 min Scan# 1358

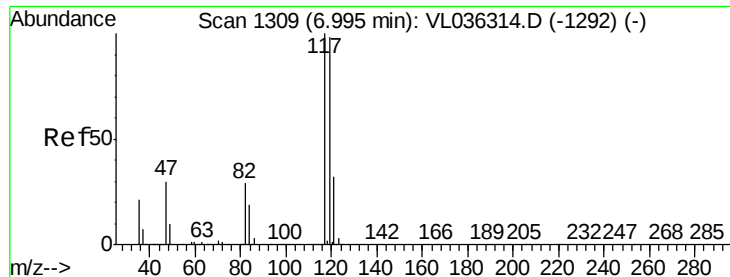
Delta R.T. -0.00 min

Lab File: VL036319.D

Acq: 10 Feb 2021 14:38

Tgt Ion:	114	Resp:	3332365
Ion	Ratio	Lower	Upper
114	100		
63	30.5	24.1	36.1
88	19.9	16.0	24.0





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL036319.D

Acq: 10 Feb 2021 14:38

Instrument :

MSVOA_L

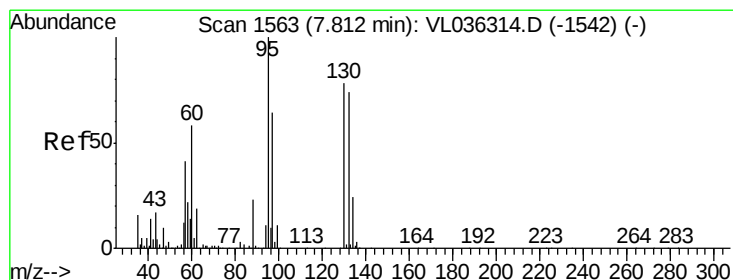
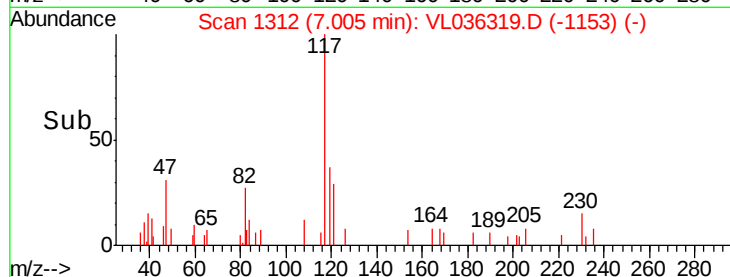
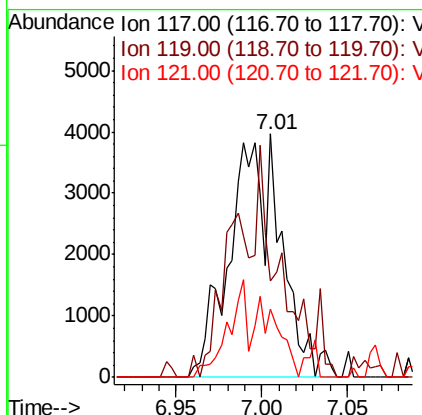
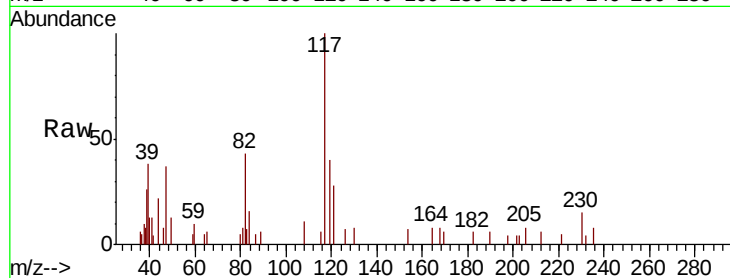
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	8094
Ion Ratio	Lower	Upper	
117	100		
119	39.8	78.1	117.1#
121	28.3	25.8	38.8

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#38

Trichloroethene

Concen: 0.028 ppbv m

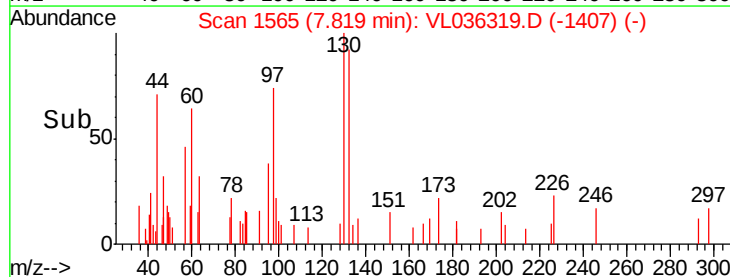
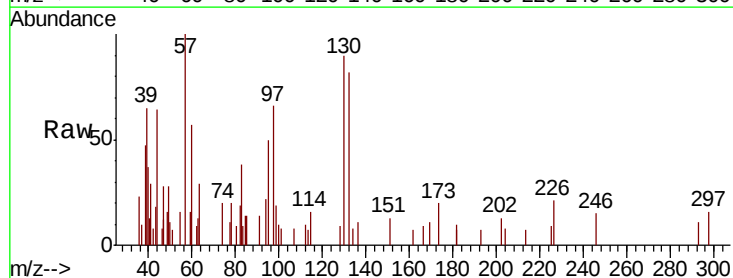
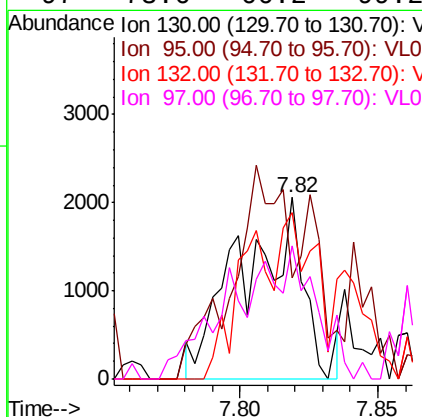
RT: 7.82 min Scan# 1565

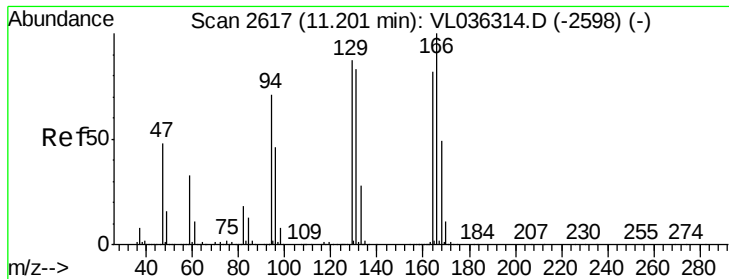
Delta R.T. 0.01 min

Lab File: VL036319.D

Acq: 10 Feb 2021 14:38

Tgt Ion:	130	Resp:	3185
Ion Ratio	Lower	Upper	
130	100		
95	55.6	102.8	154.2#
132	91.9	75.7	113.5
97	73.6	66.2	99.2





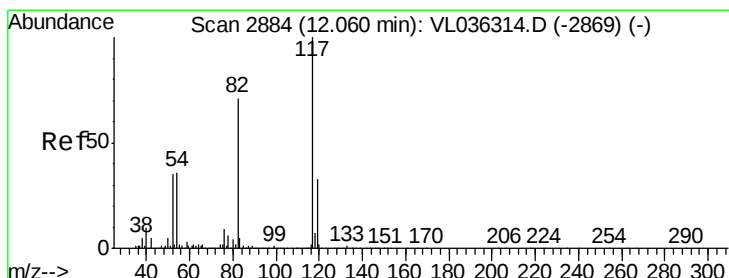
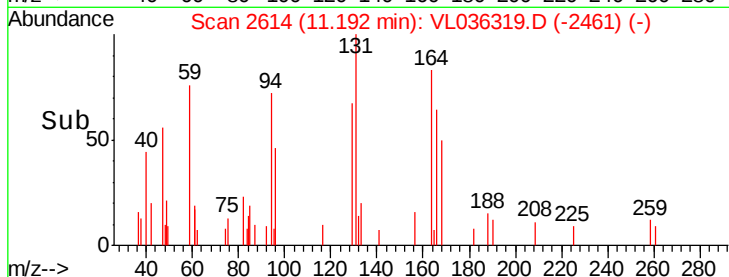
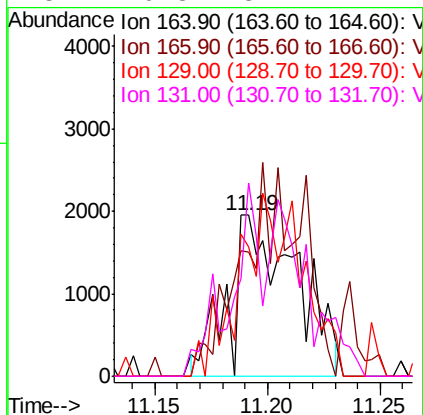
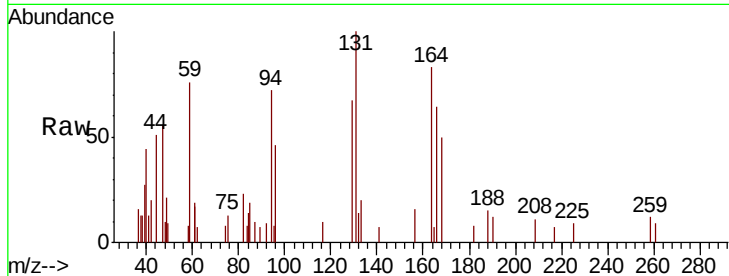
#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 11.19 min Scan# 2614
Delta R.T. -0.01 min
Lab File: VL036319.D
Acq: 10 Feb 2021 14:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	76.7	97.8	146.8#
129	80.3	84.9	127.3#
131	120.3	81.4	122.2

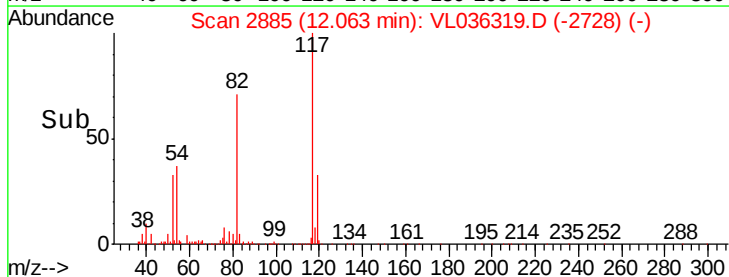
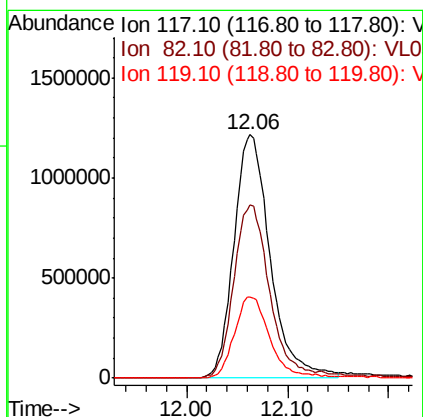
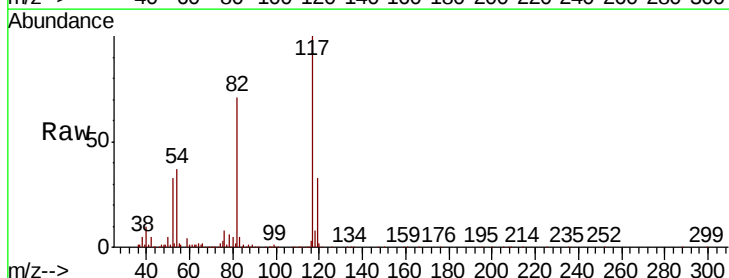
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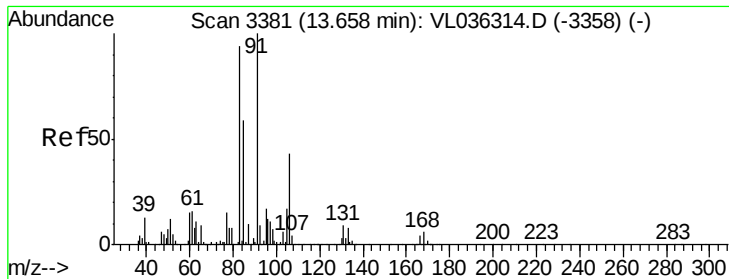
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL036319.D
Acq: 10 Feb 2021 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.9	59.1	88.7
119	33.8	46.3	69.5#





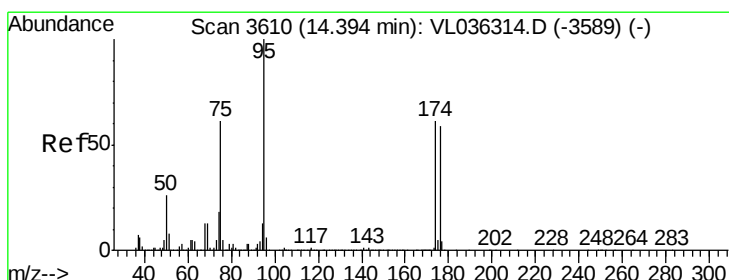
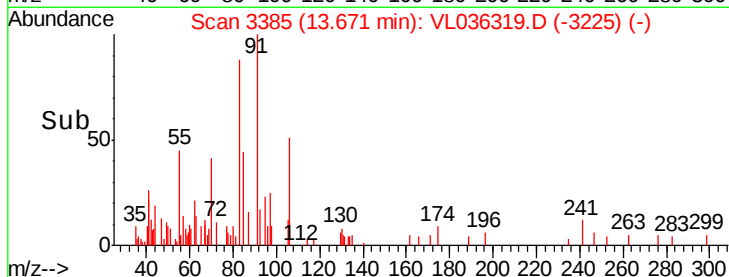
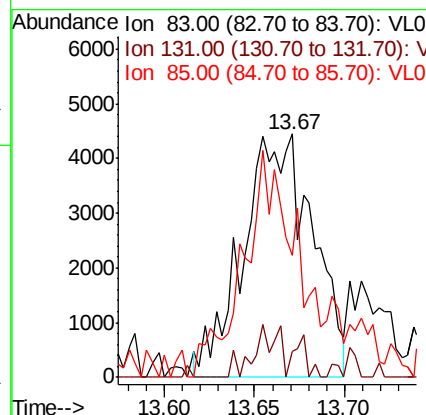
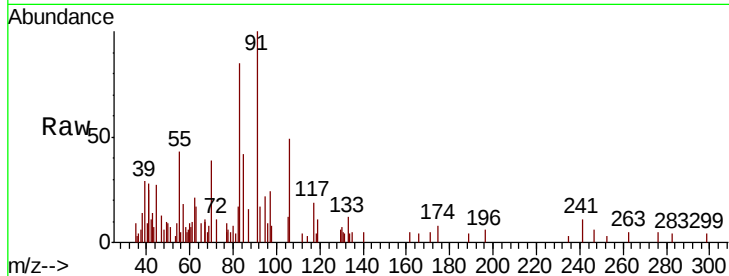
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.043 ppbv m
 RT: 13.67 min Scan# 3385
 Delta R.T. 0.01 min
 Lab File: VL036319.D
 Acq: 10 Feb 2021 14:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	13.4	4.7	14.0
85	88.3	33.0	98.9

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.732 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VL036319.D
 Acq: 10 Feb 2021 14:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.8	49.8	74.6
175	4.6	3.7	5.5

