

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035338.D
 Acq On : 5 Aug 2020 11:51
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

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 8/6/2020 12:49:00 PM

Quant Time: Aug 05 12:55:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 12:55:09 2020
 QLast Update : Wed Aug 05 09:32:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1220501	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3164615	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	3039597	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2553538	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.21	62	2817	0.036	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	8434m	0.043	ppbv	
35) Carbon Tetrachloride	7.01	117	7622m	0.037	ppbv	
38) Trichloroethene	7.83	130	3795m	0.045	ppbv	
52) Tetrachloroethene	11.24	164	2947m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	8181m	0.034	ppbv	

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

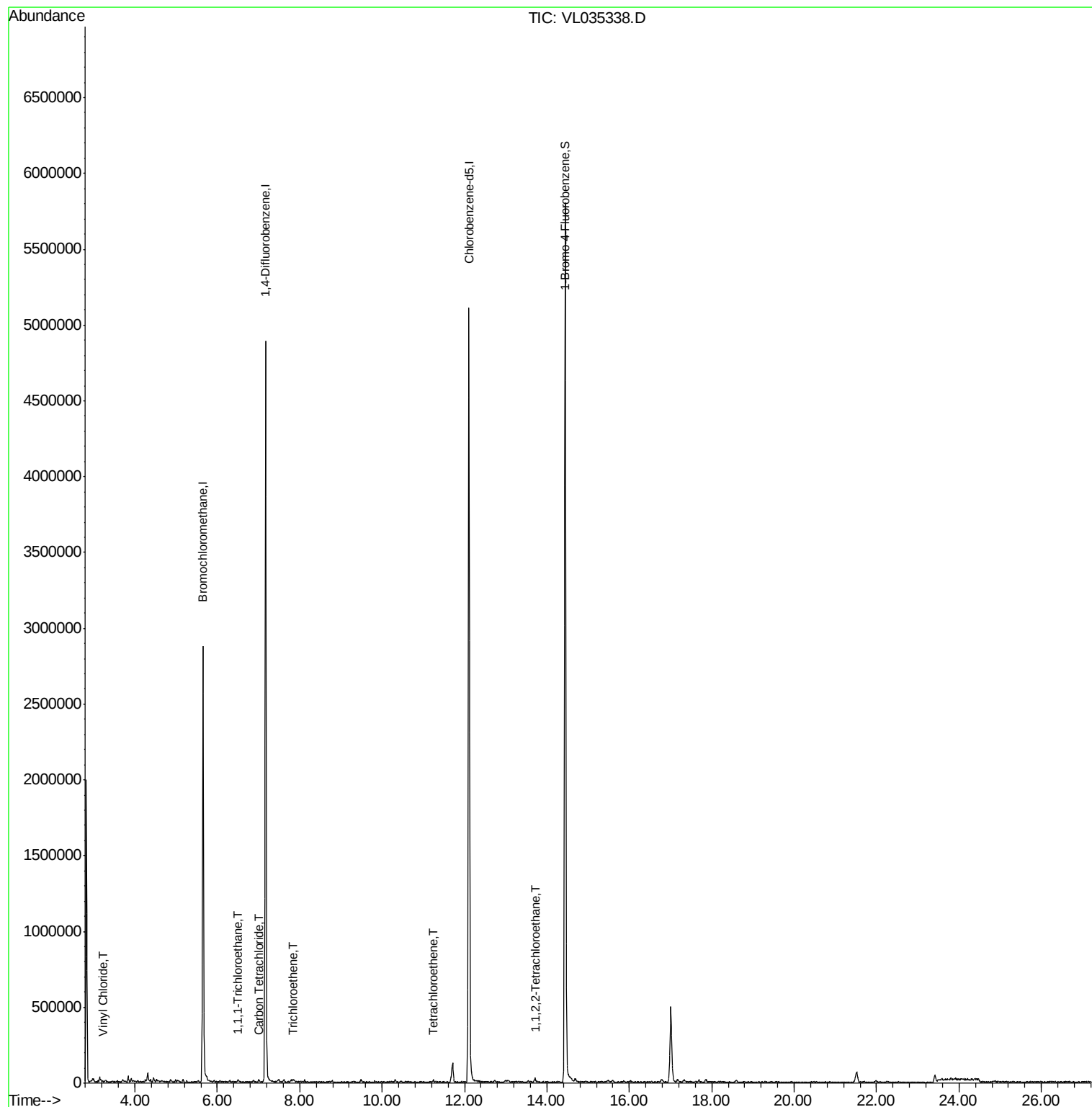
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080520\
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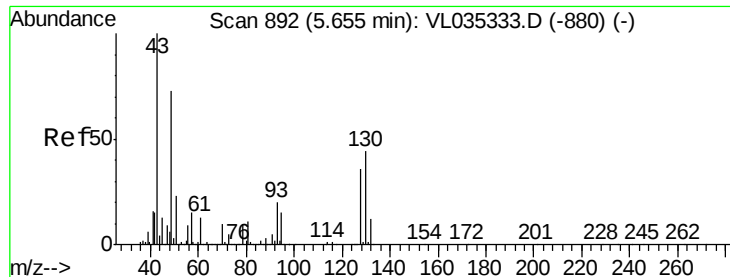
Instrument :
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Quant Time: Aug 05 12:55:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 05 09:32:28 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL035338.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1220501

Ion Ratio Lower Upper

49 100

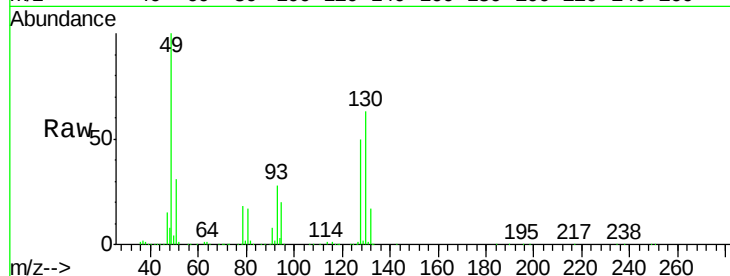
128 52.1 25.4 76.0

130 66.6 32.1 96.3

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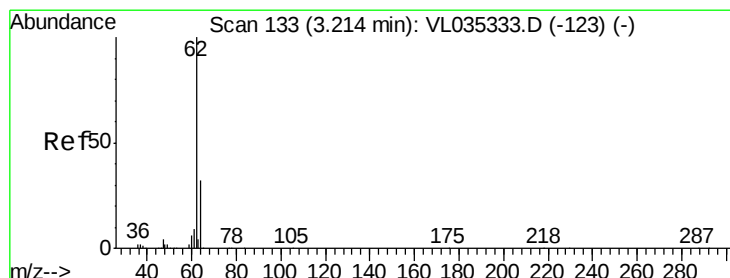
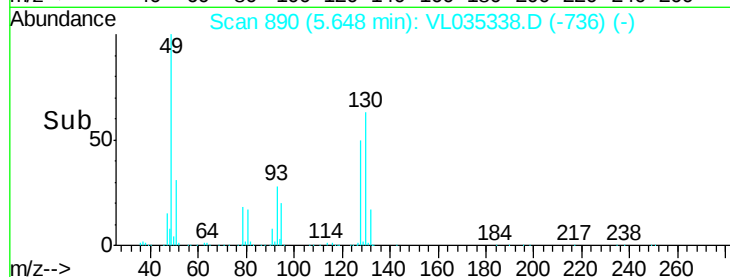
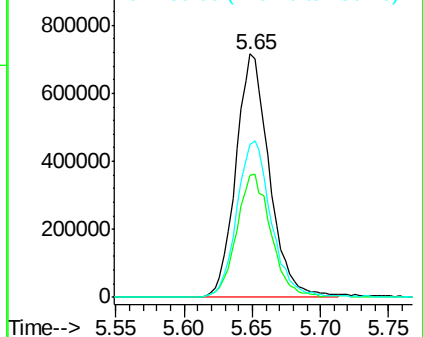
8/6/2020 12:49:00 PM



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: 0.036 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035338.D

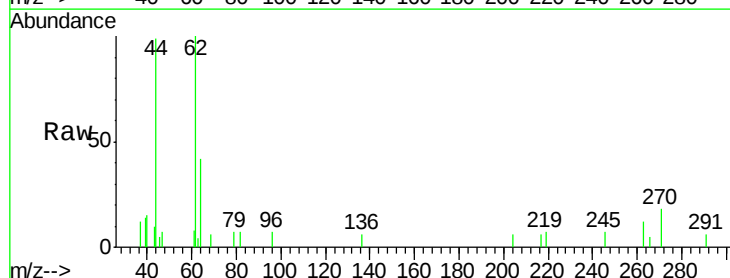
Acq: 5 Aug 2020 11:51

Tgt Ion: 62 Resp: 2817

Ion Ratio Lower Upper

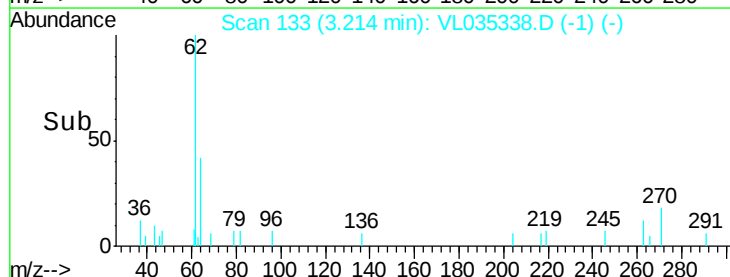
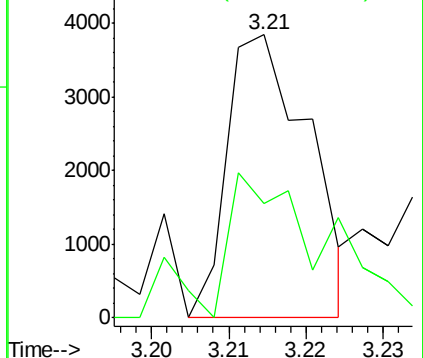
62 100

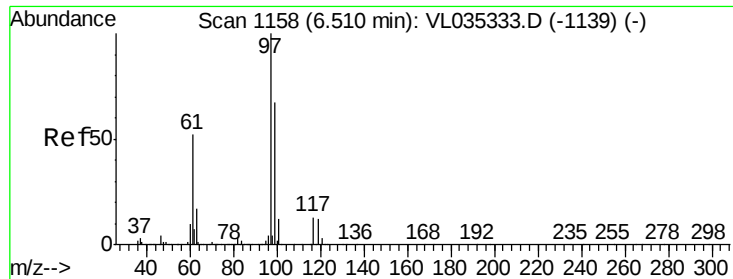
64 30.8 25.8 38.6



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: 0.043 ppbv m

RT: 6.50 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VL035338.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_L

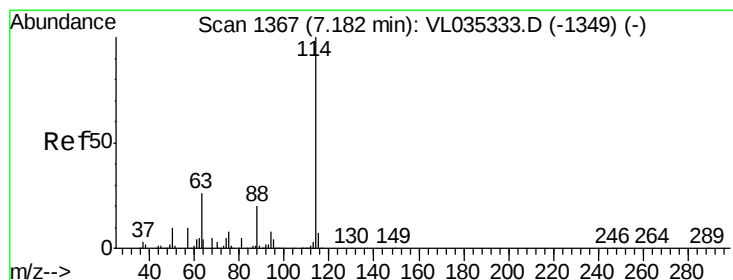
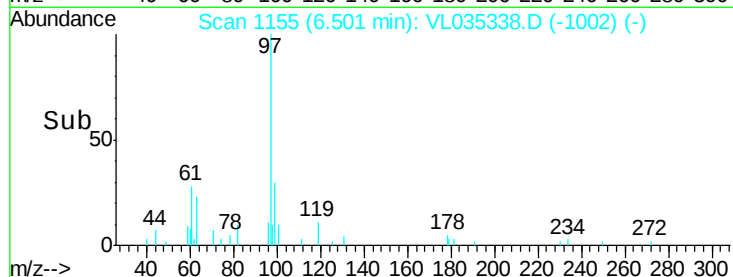
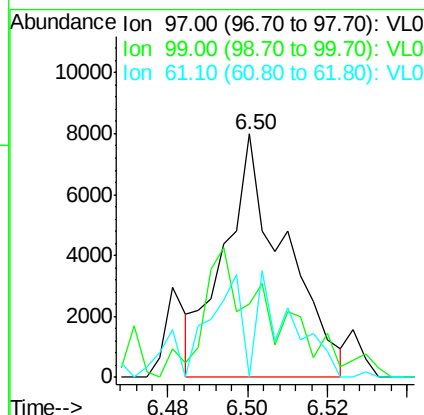
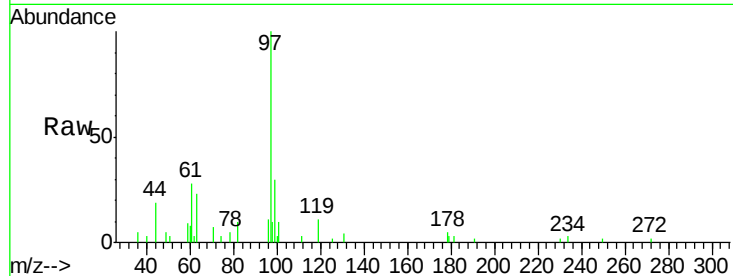
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	8434
Ion	Ratio	Lower	Upper
97	100		
99	66.8	52.2	78.4
61	54.5	40.9	61.3

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

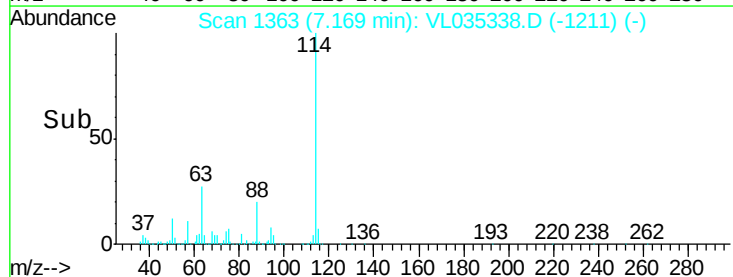
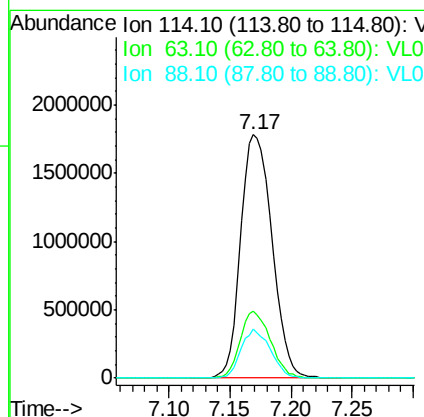
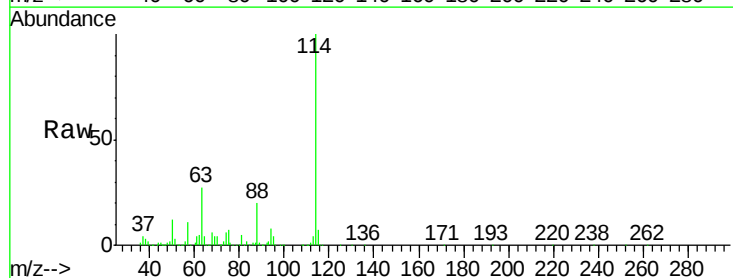
RT: 7.17 min Scan# 1363

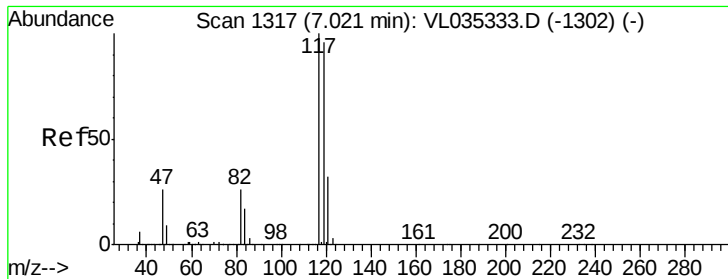
Delta R.T. -0.01 min

Lab File: VL035338.D

Acq: 5 Aug 2020 11:51

Tgt Ion:	114	Resp:	3164615
Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.3	31.9
88	18.8	15.3	22.9





#35

Carbon Tetrachloride

Concen: 0.037 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL035338.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_L

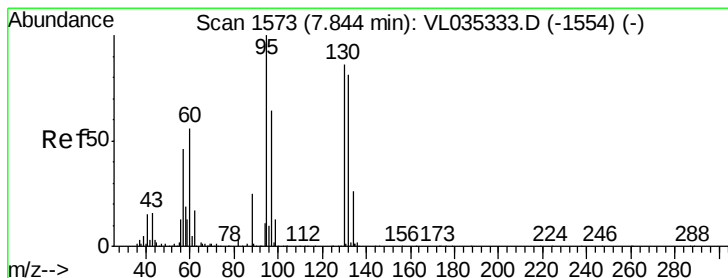
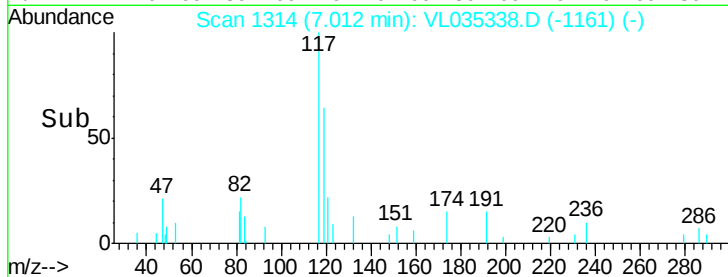
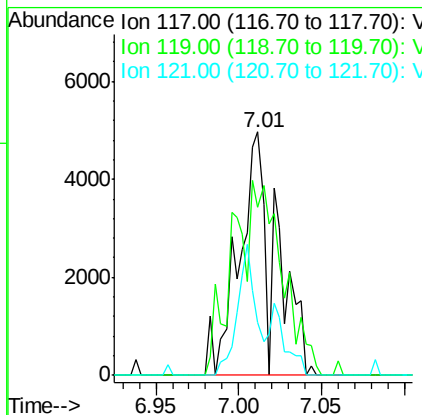
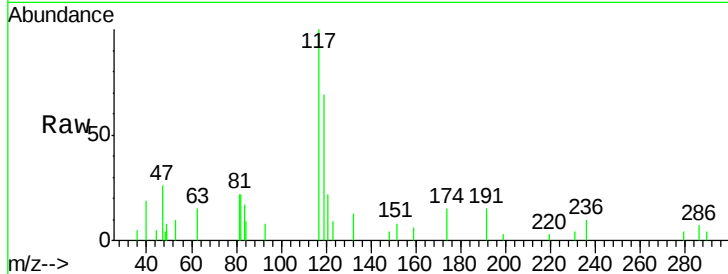
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	7622
Ion Ratio	Lower	Upper	
117	100		
119	69.1	77.0	115.6#
121	21.9	26.0	39.0#

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#38

Trichloroethene

Concen: 0.045 ppbv m

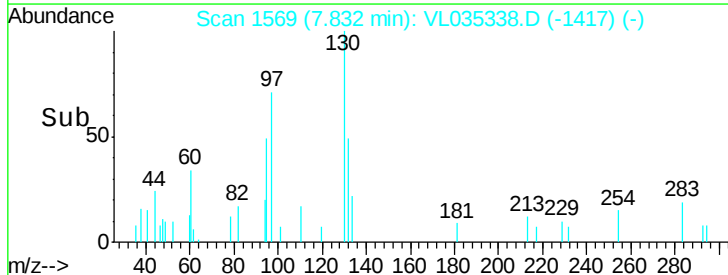
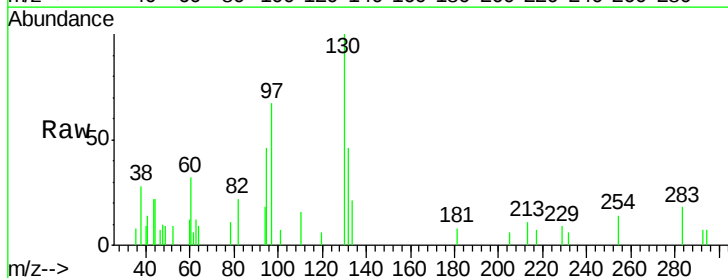
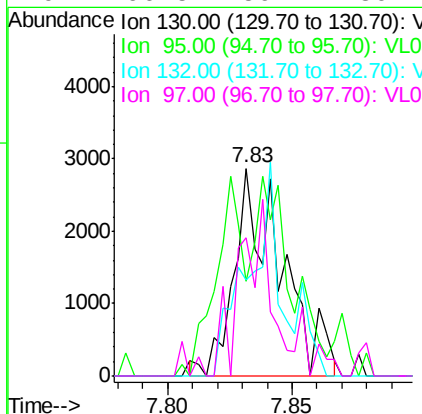
RT: 7.83 min Scan# 1569

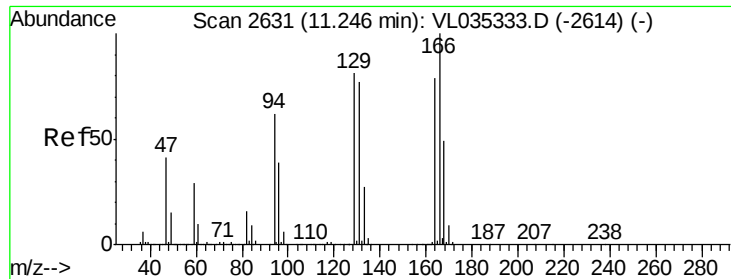
Delta R.T. -0.01 min

Lab File: VL035338.D

Acq: 5 Aug 2020 11:51

Tgt Ion:	130	Resp:	3795
Ion Ratio	Lower	Upper	
130	100		
95	45.6	93.4	140.2#
132	46.2	76.1	114.1#
97	66.5	59.4	89.2





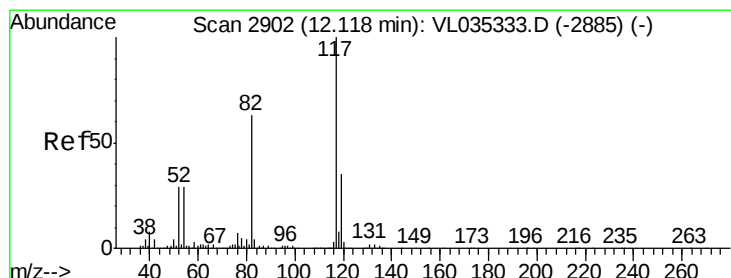
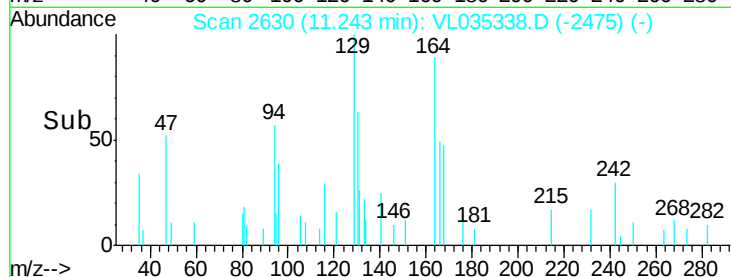
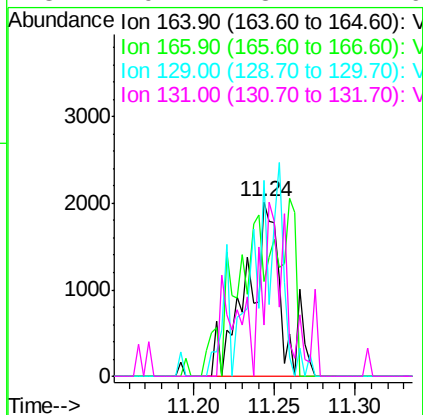
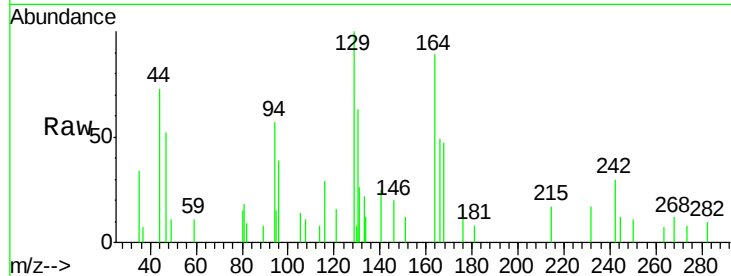
#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL035338.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	54.6	101.4	152.0#
129	112.5	82.1	123.1
131	29.1	78.4	117.6#

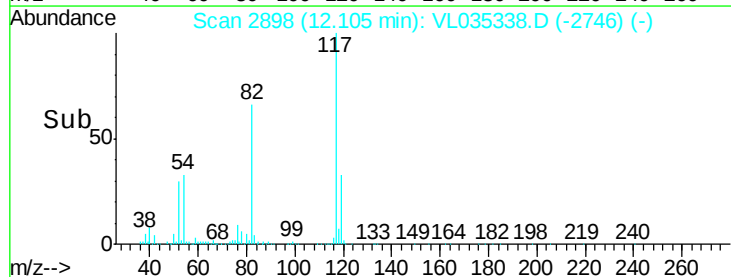
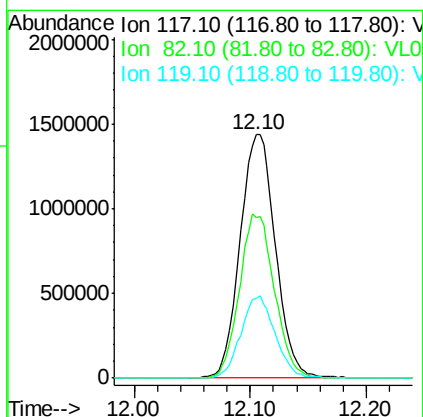
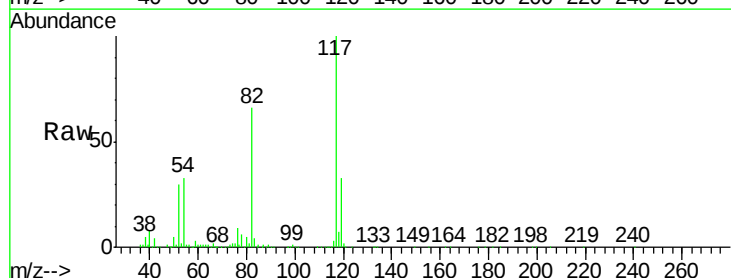
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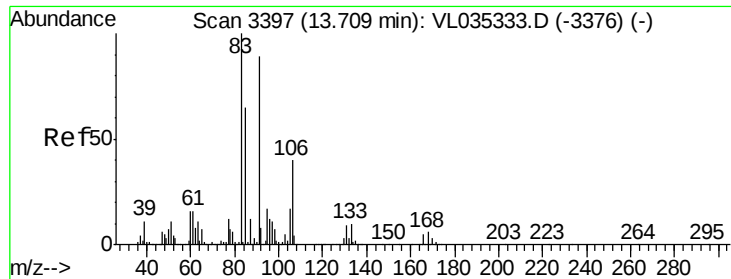
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035338.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.8	51.0	76.4
119	32.7	24.7	37.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.034 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL035338.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_L

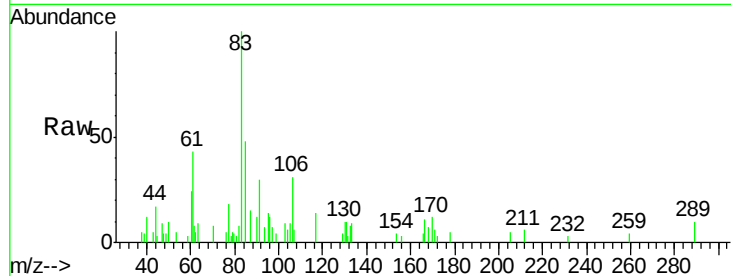
ClientSampleId :

VSTDIC0.03

Tot Ion:	83	Resp:	8181
Ion Ratio	Lower	Upper	
83	100		
131	15.9	5.0	14.9#
85	75.8	32.6	98.0

Manual Integrations
APPROVED

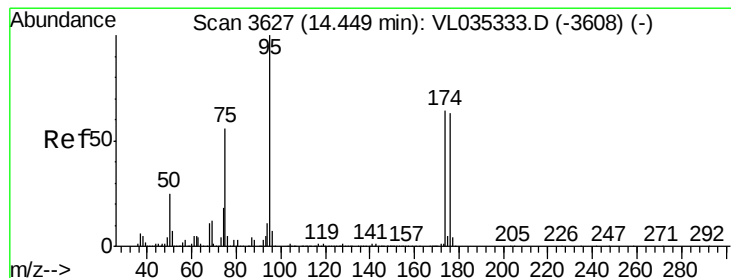
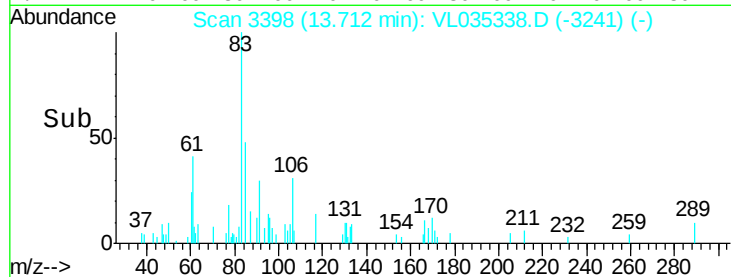
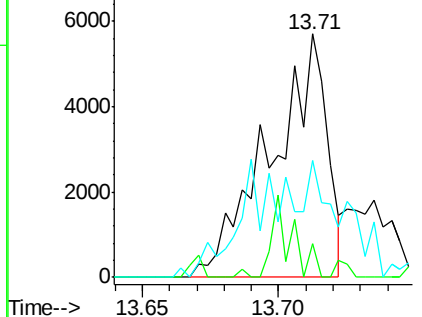
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.029 ppbv

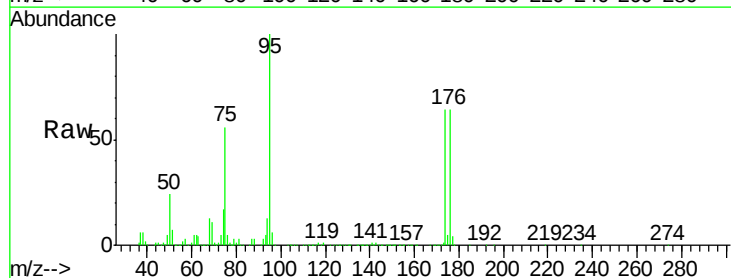
RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035338.D

Acq: 5 Aug 2020 11:51

Tgt Ion:	95	Resp:	2553538
Ion Ratio	Lower	Upper	
95	100		
174	66.3	53.5	80.3
175	5.0	4.2	6.2



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

