

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL073021\
 Data File : VL037293.D
 Acq On : 30 Jul 2021 20:31
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
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 8/2/2021 8:57:47 AM

Quant Time: Jul 30 23:15:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1156551	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3675983	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3274148	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2350227	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	3198m	0.039	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	7653m	0.032	ppbv	
35) Carbon Tetrachloride	7.01	117	7005m	0.029	ppbv	
38) Trichloroethene	7.83	130	4895m	0.034	ppbv	
52) Tetrachloroethene	11.22	164	4369m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	8300m	0.034	ppbv	

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

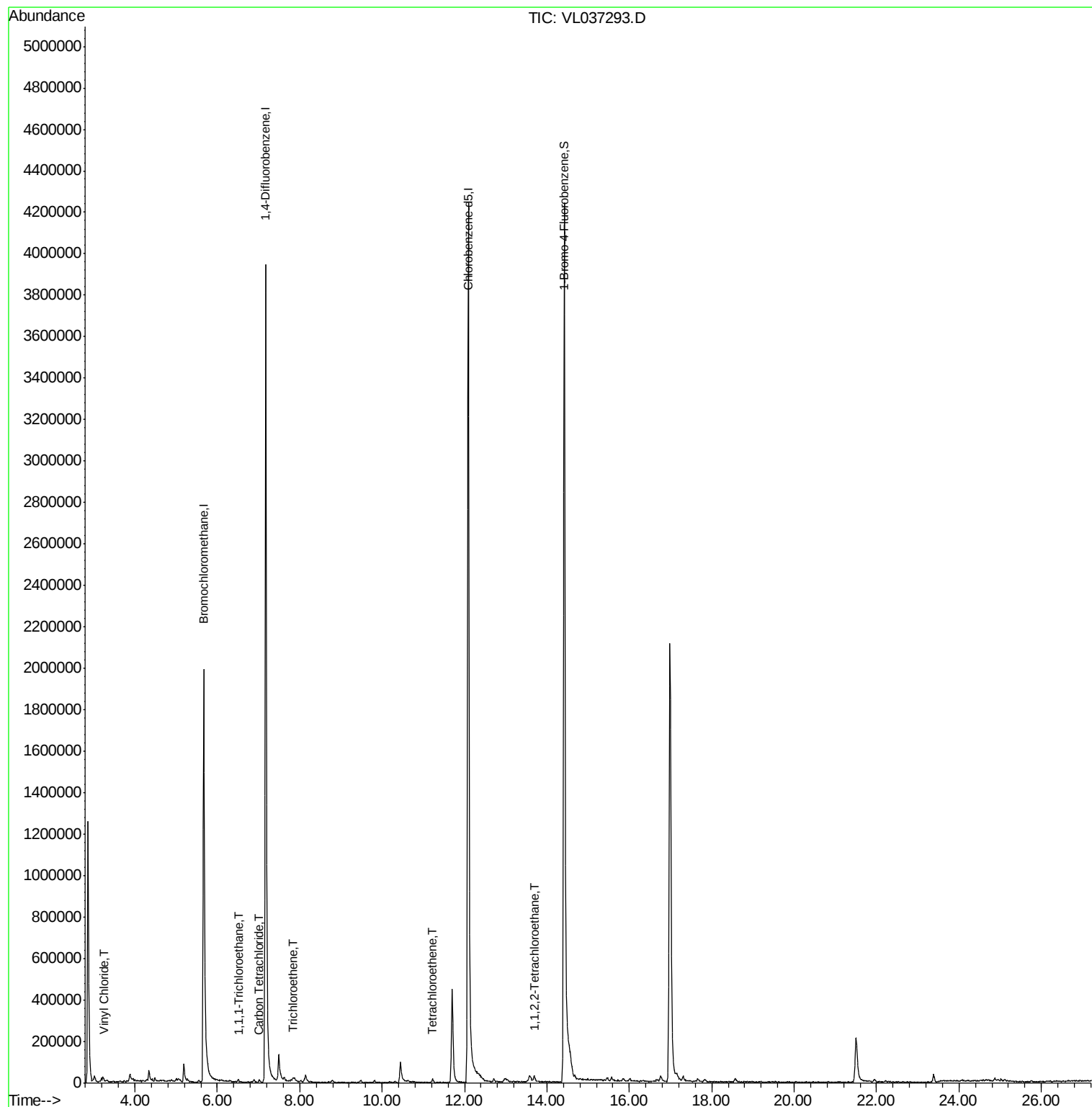
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL073021\
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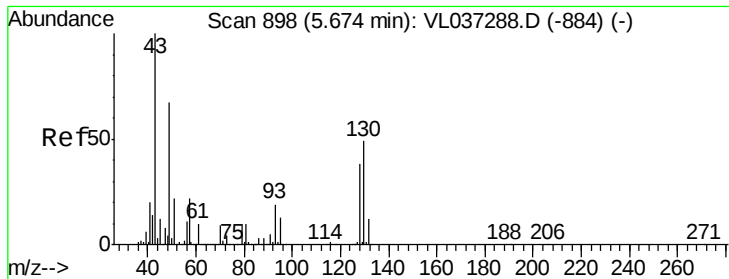
Instrument :
MSVOA_L
ClientSampleId :
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#1

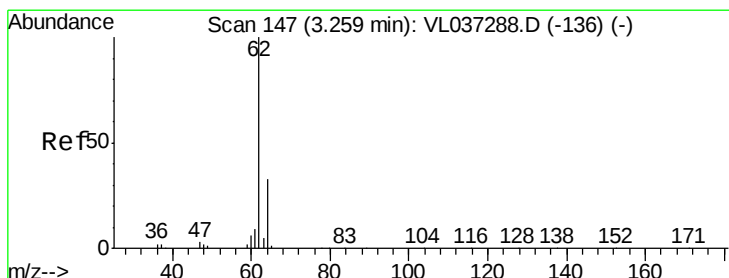
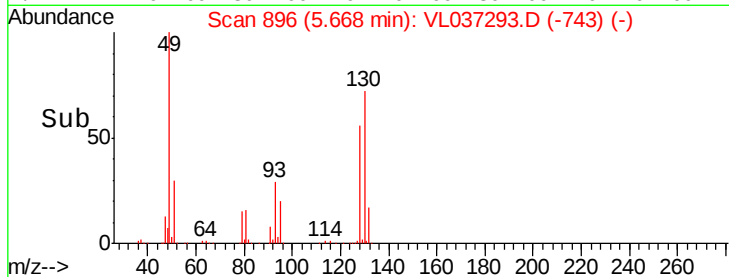
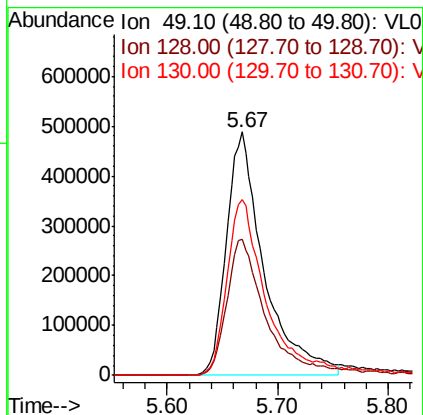
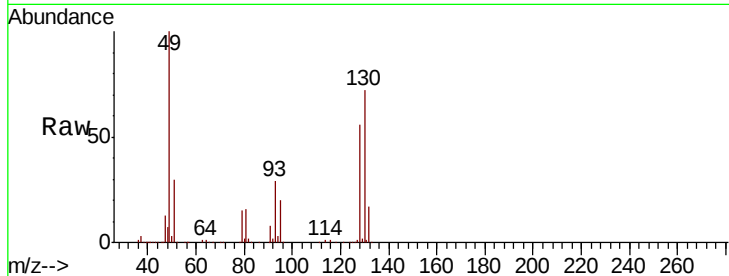
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: VL037293.D
 Acq: 30 Jul 2021 20:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
49	100		
128	60.0	30.6	92.0
130	79.6	37.8	113.4

Manual Integrations
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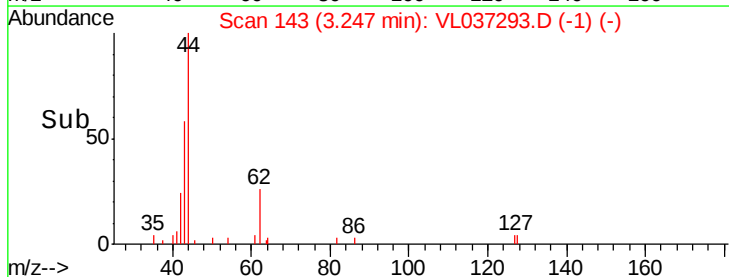
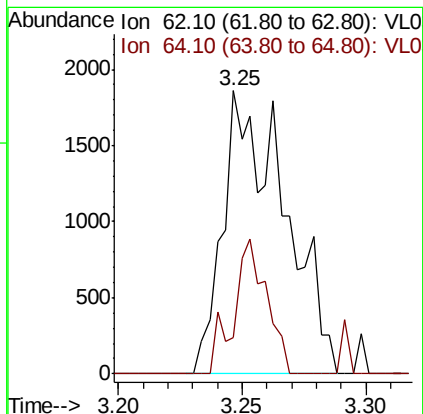
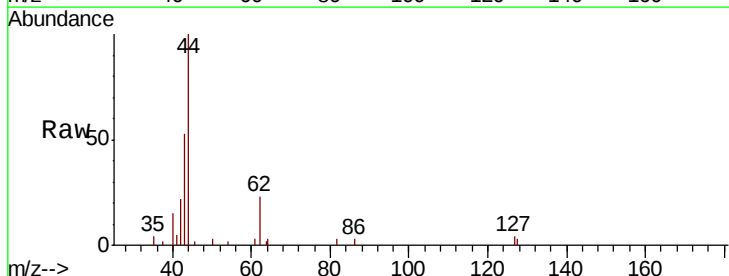
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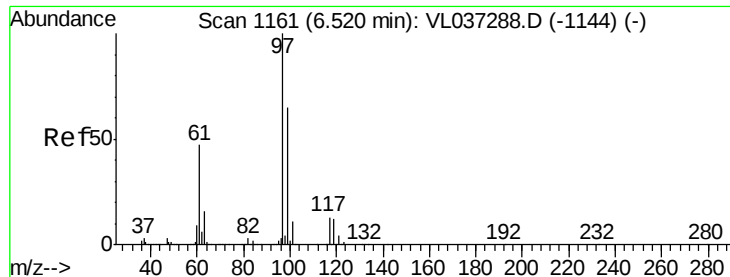


#5

Vinyl Chloride
 Concen: 0.039 ppbv m
 RT: 3.25 min Scan# 143
 Delta R.T. -0.01 min
 Lab File: VL037293.D
 Acq: 30 Jul 2021 20:31

Tgt Ion	Ratio	Lower	Upper
62	100		
64	12.7	26.1	39.1#





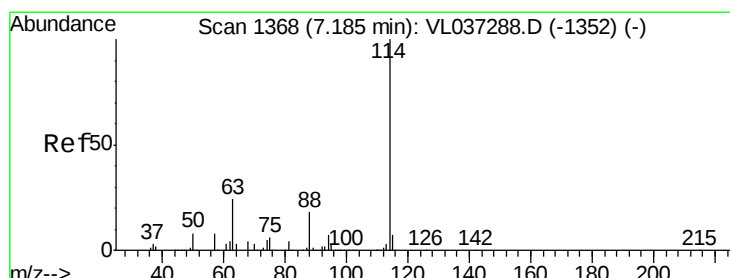
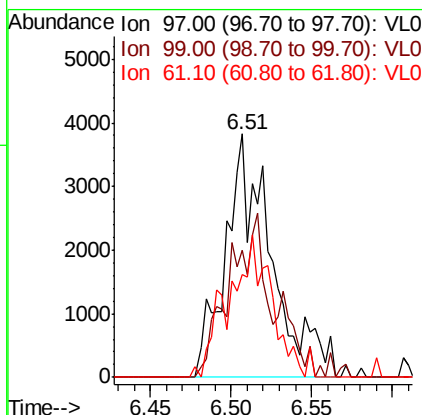
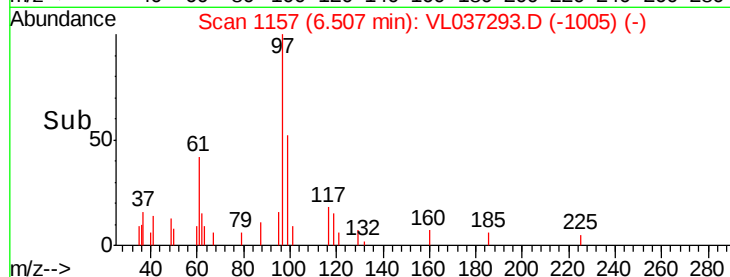
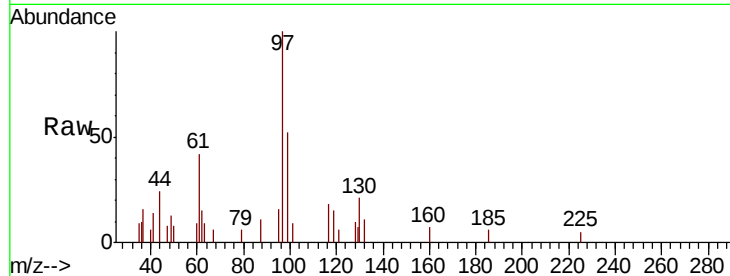
#32
 1,1,1-Trichloroethane
 Concen: 0.032 ppbv m
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: VL037293.D
 Acq: 30 Jul 2021 20:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.5	78.7
61	55.1	38.2	57.4

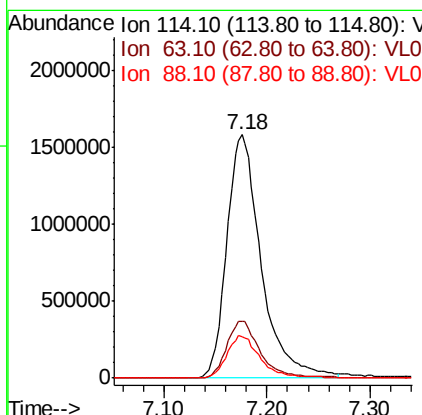
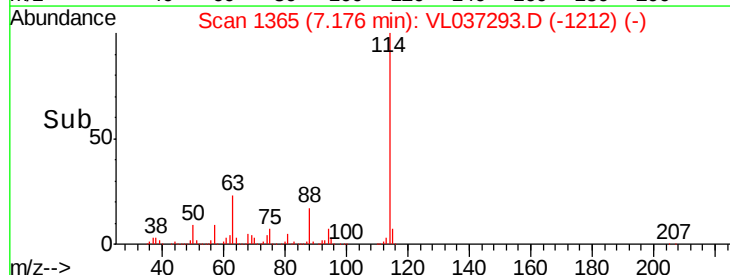
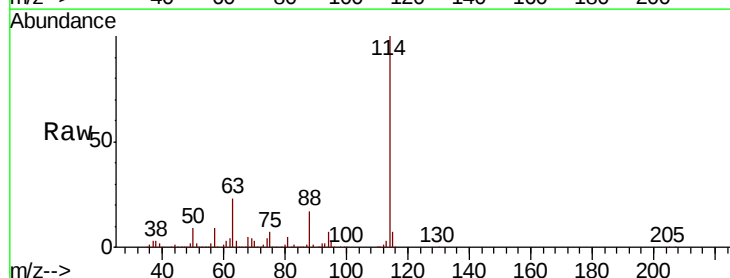
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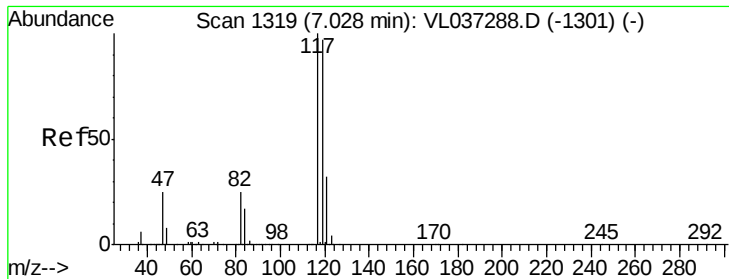
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037293.D
 Acq: 30 Jul 2021 20:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	19.0	28.4
88	17.5	14.0	21.0





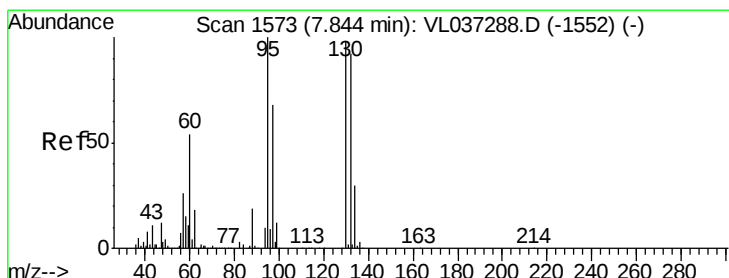
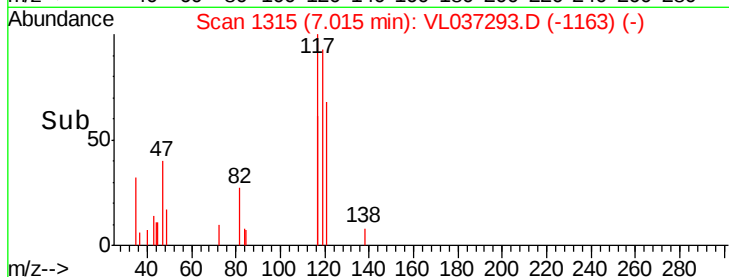
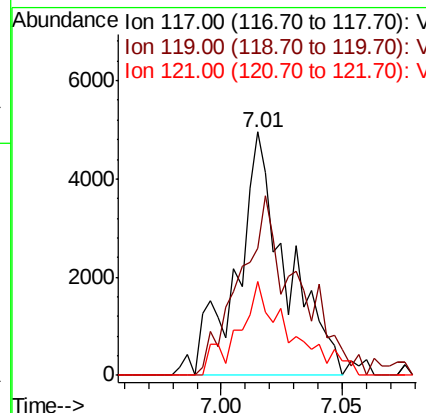
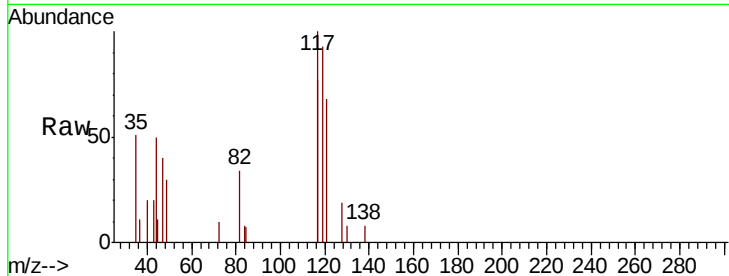
#35
Carbon Tetrachloride
Concen: 0.029 ppbv m
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL037293.D
Acq: 30 Jul 2021 20:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.4	116.2
121	68.2	25.8	38.8#

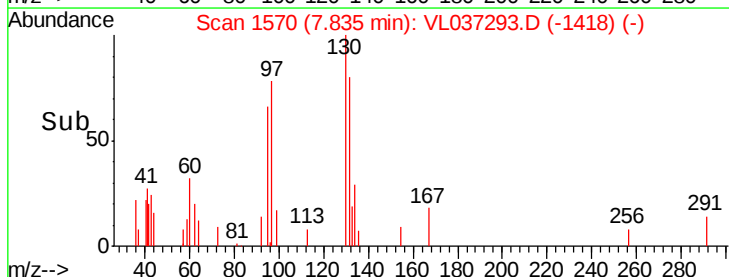
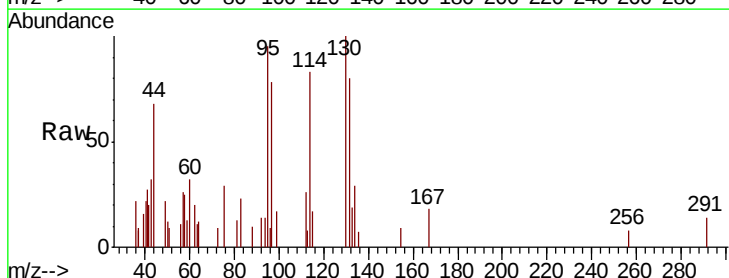
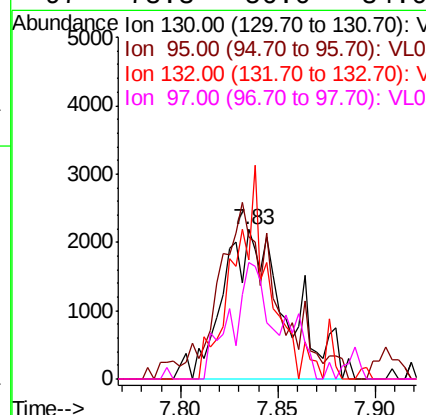
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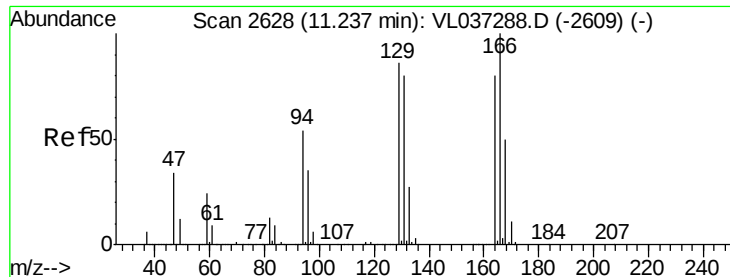
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#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL037293.D
Acq: 30 Jul 2021 20:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	82.0	123.0
132	79.6	75.0	112.6
97	78.3	56.0	84.0





#52

Tetrachloroethene

Concen: 0.031 ppbv m

RT: 11.22 min Scan# 2623

Delta R.T. -0.02 min

Lab File: VL037293.D

Acq: 30 Jul 2021 20:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 4369

Ion Ratio Lower Upper

164 100

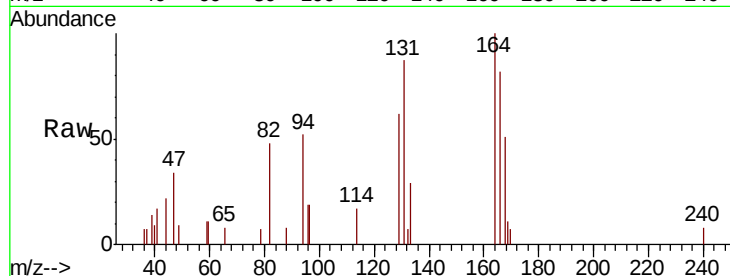
166 82.4 100.4 150.6#

129 62.5 86.2 129.4#

131 87.4 80.5 120.7

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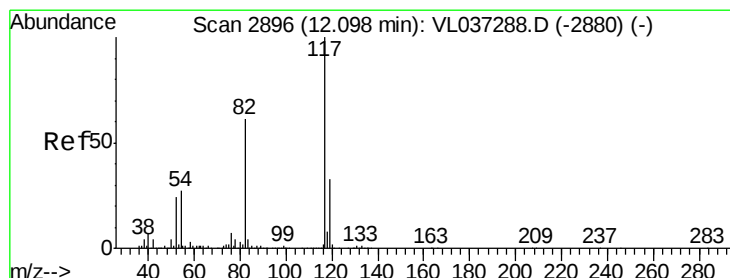
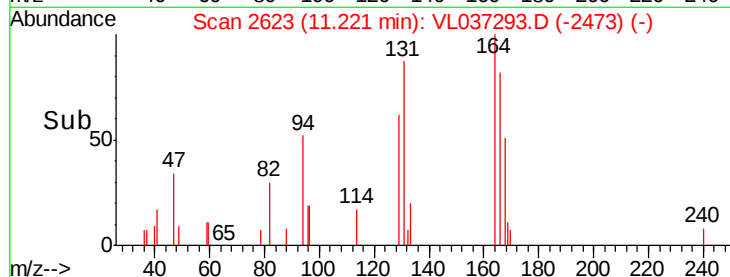
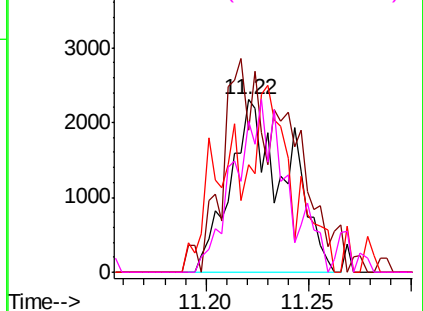


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL037293.D

Acq: 30 Jul 2021 20:31

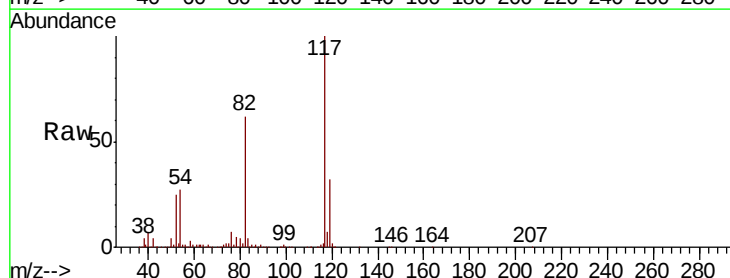
Tgt Ion:117 Resp: 3274148

Ion Ratio Lower Upper

117 100

82 63.3 47.2 70.8

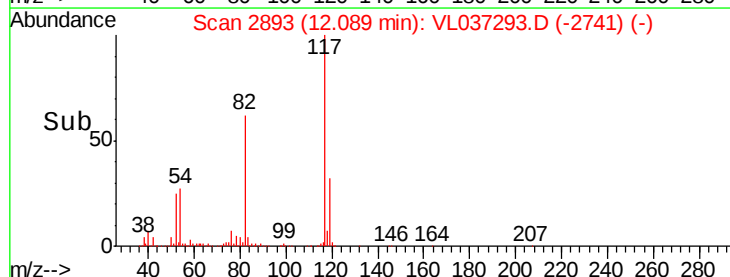
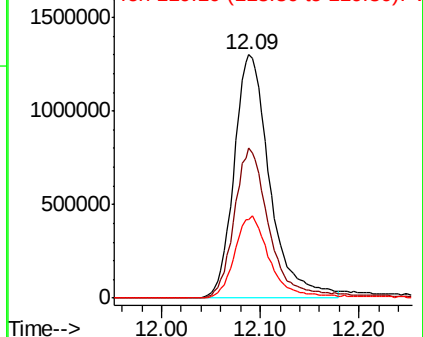
119 34.6 45.8 68.8#

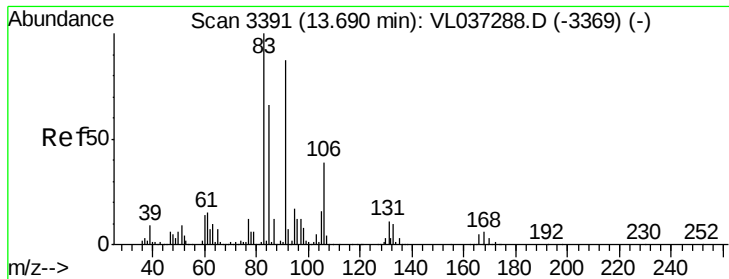


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.034 ppbv m

RT: 13.69 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL037293.D

Acq: 30 Jul 2021 20:31

Instrument :

MSVOA_L

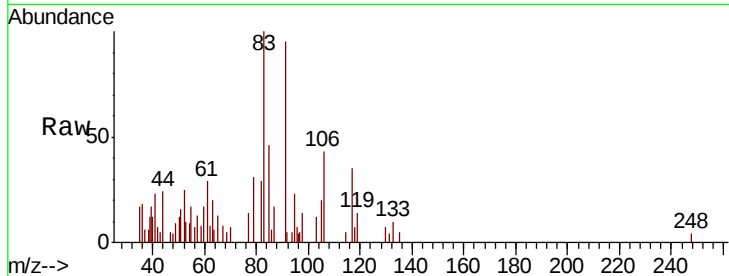
ClientSampleId :

VSTDIC0.03

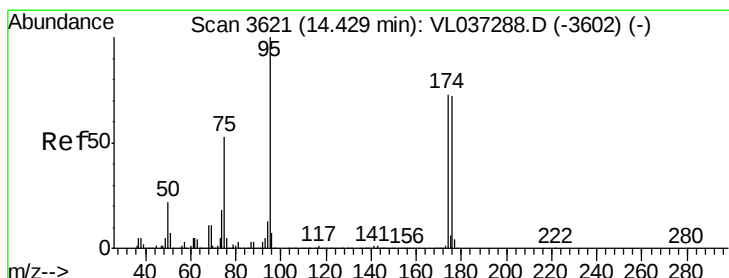
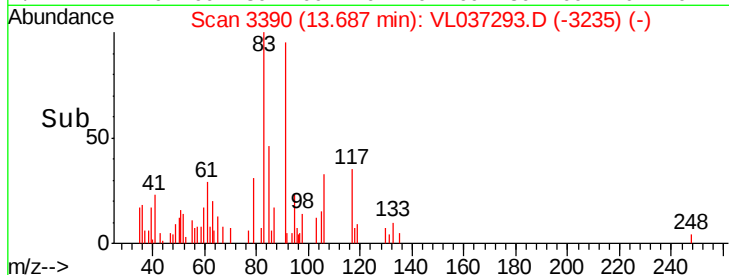
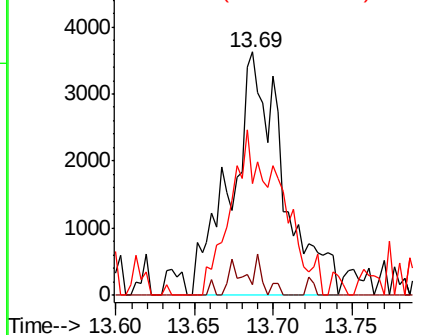
Tot Ion:	83	Resp:	8300
Ion Ratio	Lower	Upper	
83	100		
131	7.3	5.5	16.5
85	67.0	33.6	100.8

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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: 9.572 ppbv

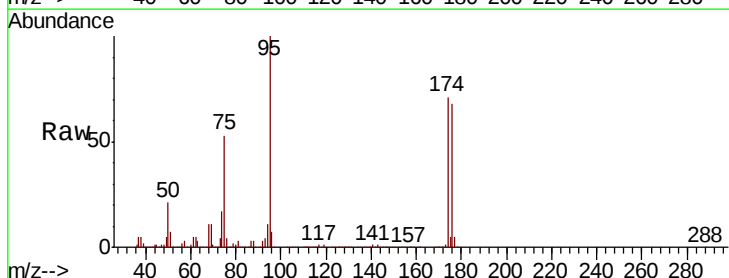
RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL037293.D

Acq: 30 Jul 2021 20:31

Tgt Ion:	95	Resp:	2350227
Ion Ratio	Lower	Upper	
95	100		
174	79.2	59.8	89.6
175	5.7	4.5	6.7



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

