

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037292.D
 Acq On : 30 Jul 2021 19:53
 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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MMDadoda
 8/2/2021 8:57:42 AM

Quant Time: Jul 30 23:12:45 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	1138033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3678862	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3250332	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2439374	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	9231m	0.113	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	22484m	0.097	ppbv	
35) Carbon Tetrachloride	7.02	117	21754m	0.089	ppbv	
38) Trichloroethene	7.83	130	14342m	0.101	ppbv	
52) Tetrachloroethene	11.23	164	15326m	0.110	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	26360m	0.109	ppbv	

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

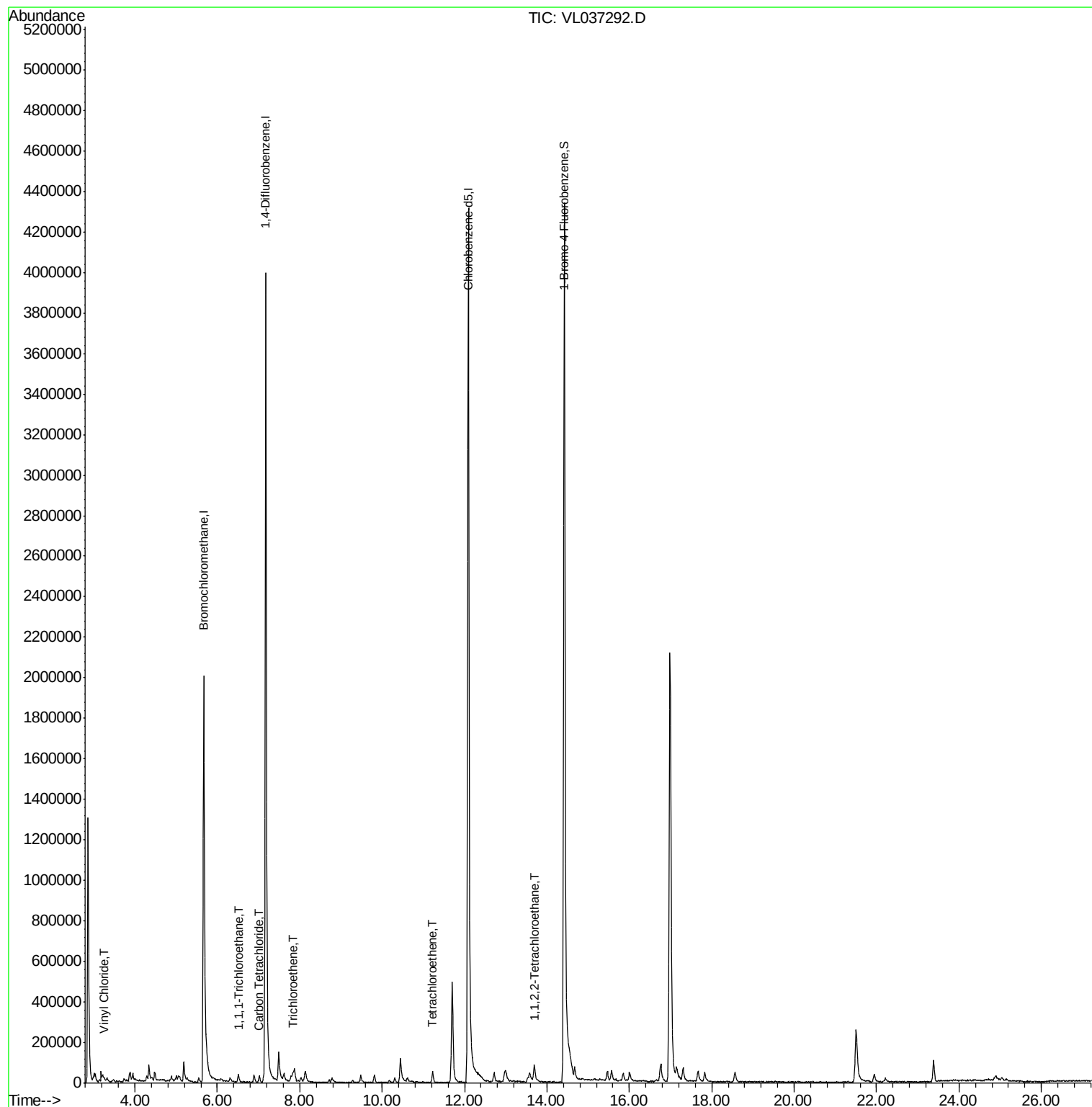
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL073021\
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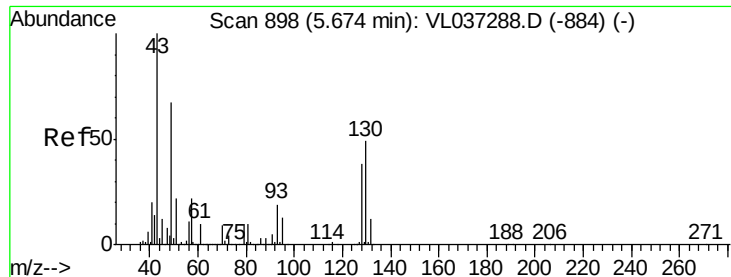
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
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QLast Update : Fri Jul 30 22:49:48 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037292.D

Acq: 30 Jul 2021 19:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1138033

Ion Ratio Lower Upper

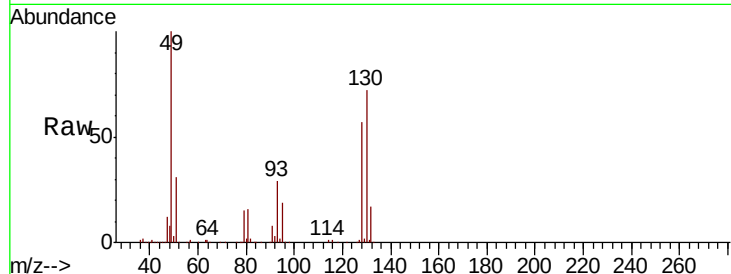
49 100

128 62.9 30.6 92.0

130 80.0 37.8 113.4

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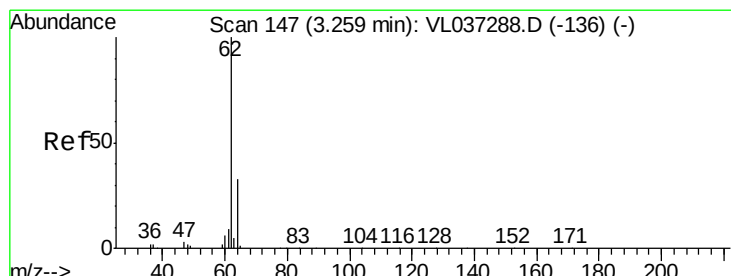
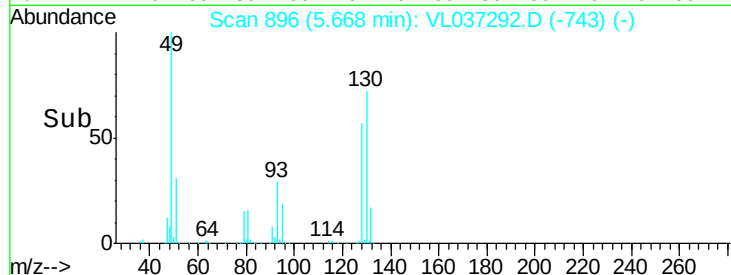
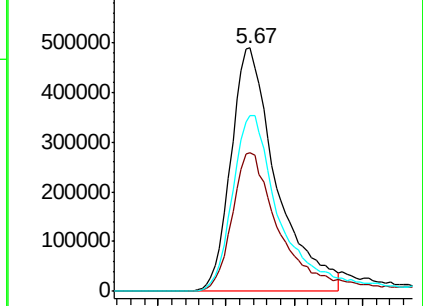
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.113 ppbv m

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037292.D

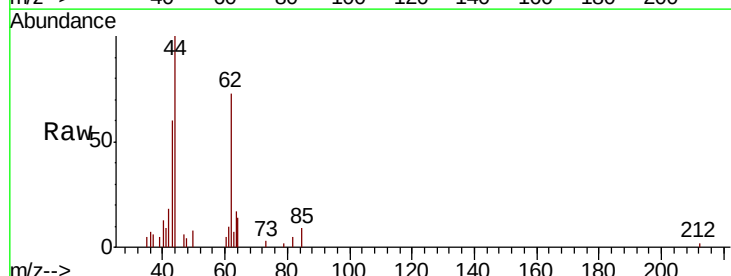
Acq: 30 Jul 2021 19:53

Tgt Ion: 62 Resp: 9231

Ion Ratio Lower Upper

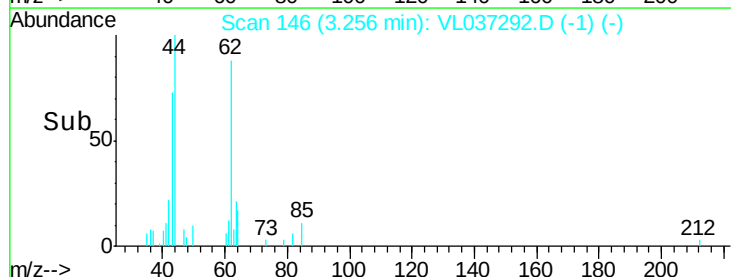
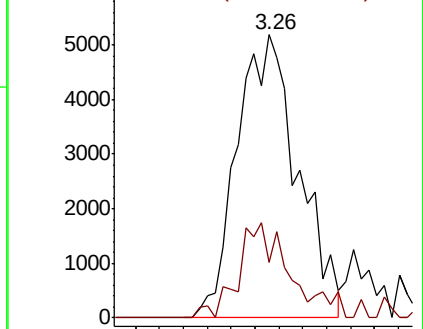
62 100

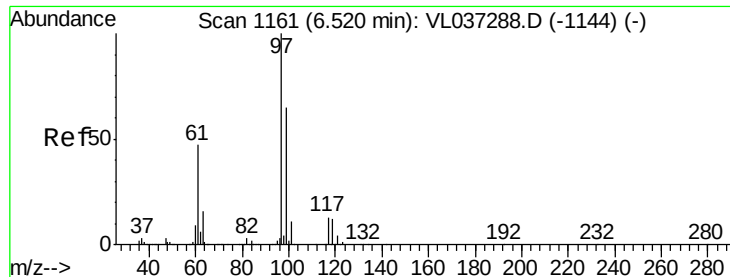
64 19.5 26.1 39.1#



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: 0.097 ppbv m

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL037292.D

Acq: 30 Jul 2021 19:53

Instrument :

MSVOA_L

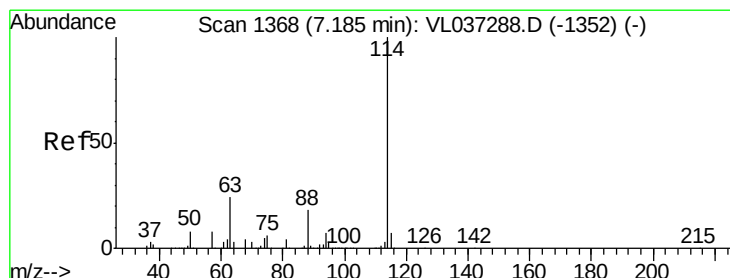
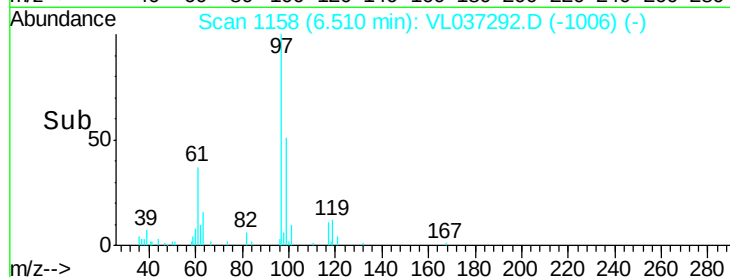
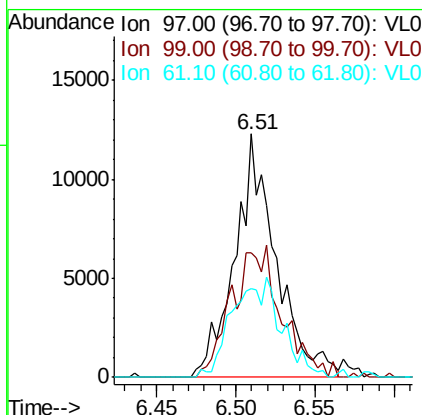
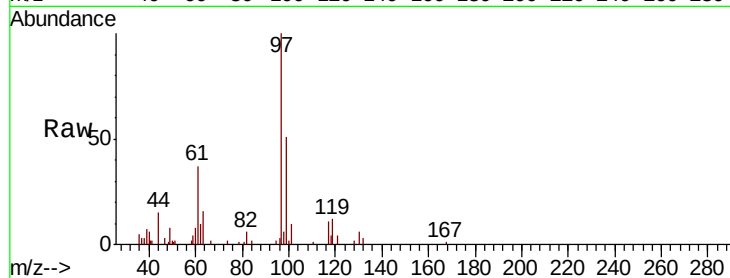
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	22484
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.5	78.7#
61	0.0	38.2	57.4#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

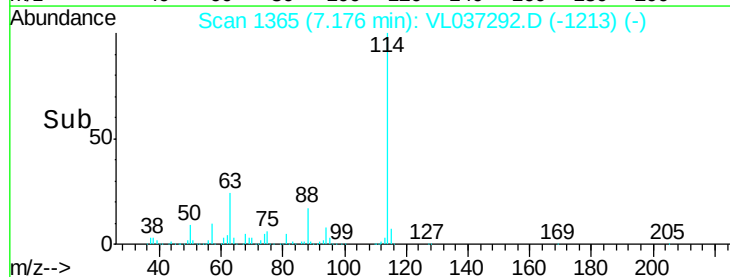
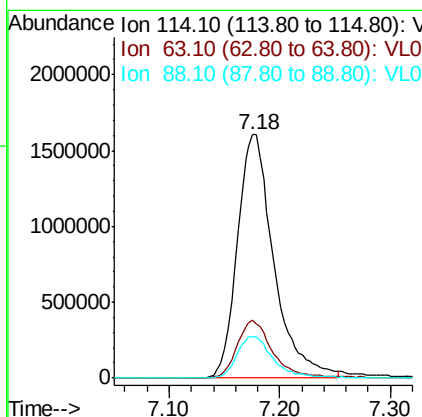
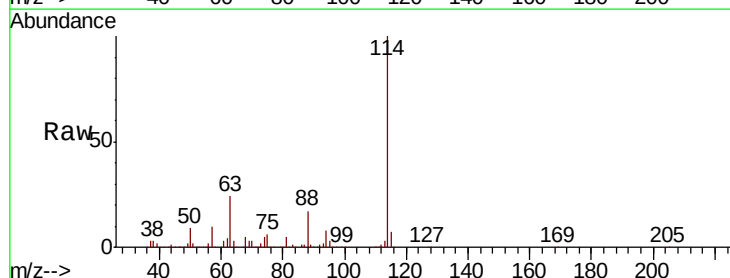
RT: 7.18 min Scan# 1365

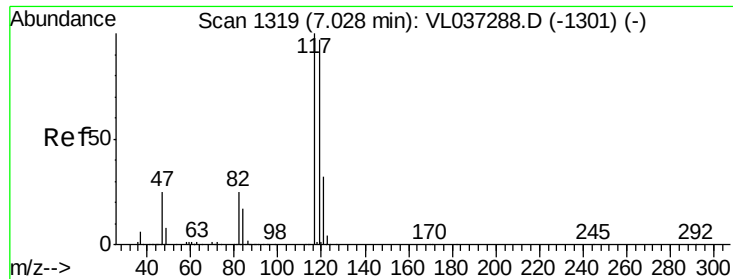
Delta R.T. -0.01 min

Lab File: VL037292.D

Acq: 30 Jul 2021 19:53

Tgt Ion:	114	Resp:	3678862
Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.0	28.4
88	17.3	14.0	21.0





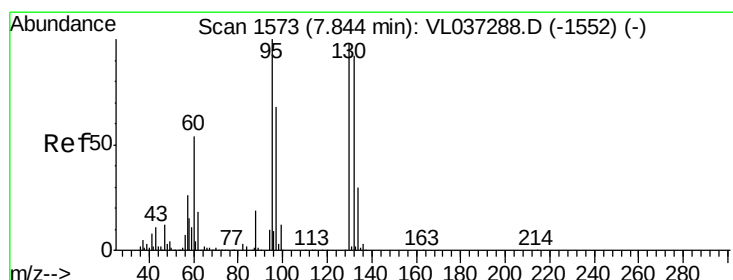
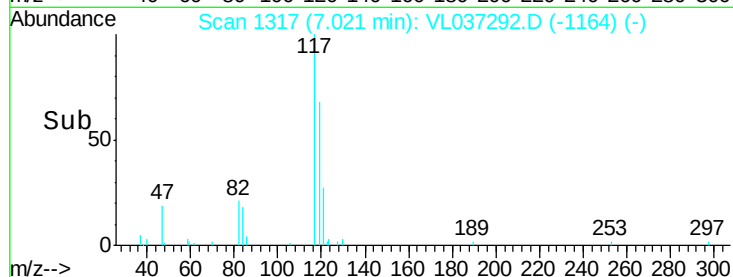
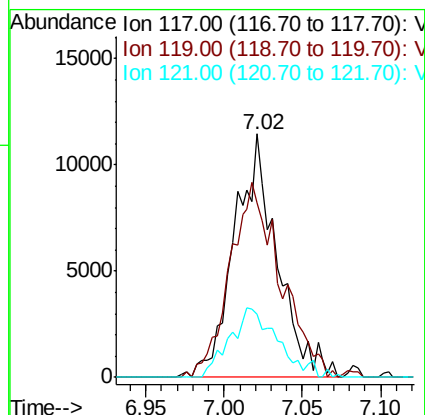
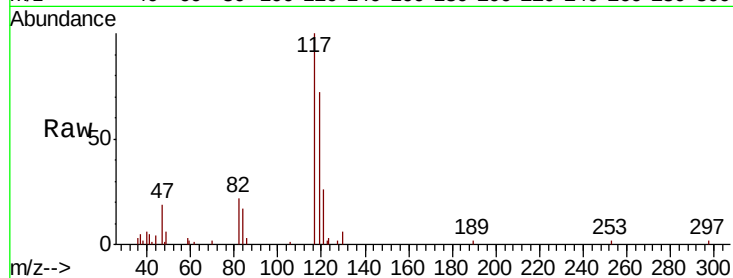
#35
Carbon Tetrachloride
Concen: 0.089 ppbv m
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL037292.D
Acq: 30 Jul 2021 19:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
117	100		
119	71.6	77.4	116.2#
121	25.7	25.8	38.8#

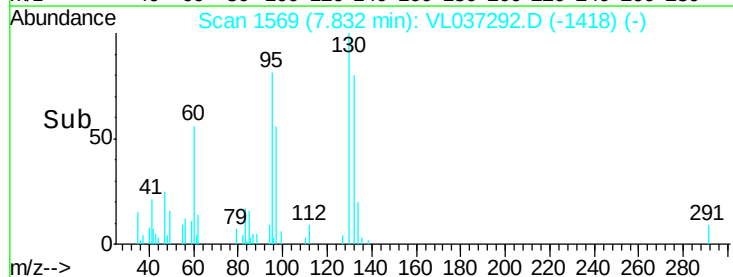
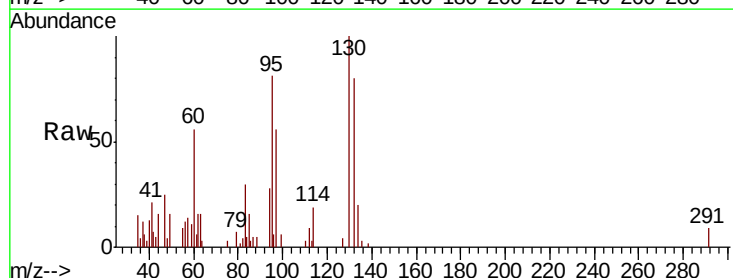
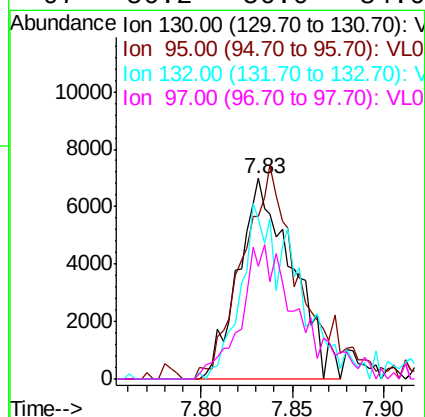
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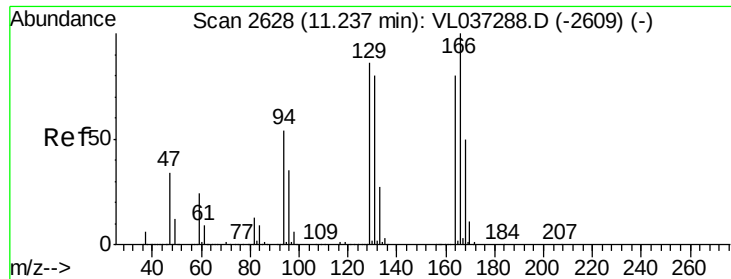
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#38
Trichloroethene
Concen: 0.101 ppbv m
RT: 7.83 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL037292.D
Acq: 30 Jul 2021 19:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.1	82.0	123.0#
132	79.8	75.0	112.6
97	56.2	56.0	84.0





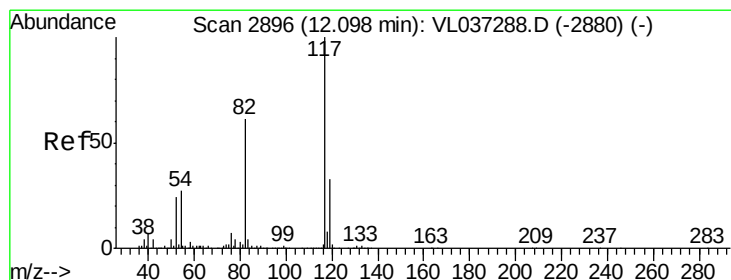
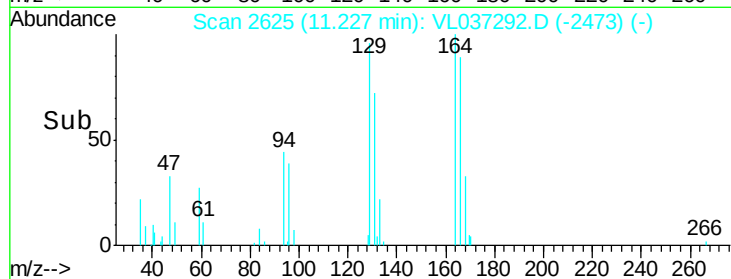
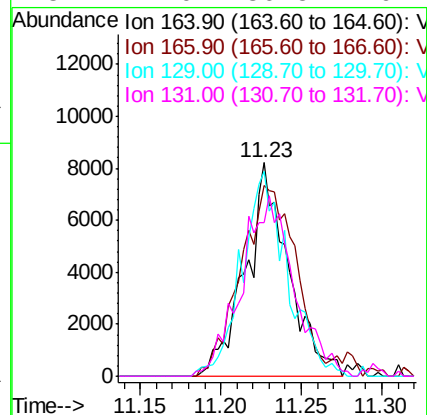
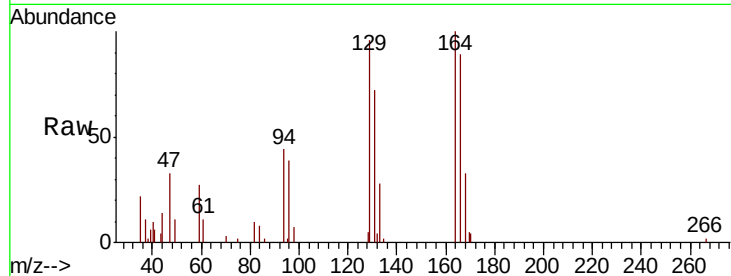
#52
Tetrachloroethene
Concen: 0.110 ppbv m
RT: 11.23 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL037292.D
Acq: 30 Jul 2021 19:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	89.1	100.4	150.6#
129	95.8	86.2	129.4
131	72.0	80.5	120.7#

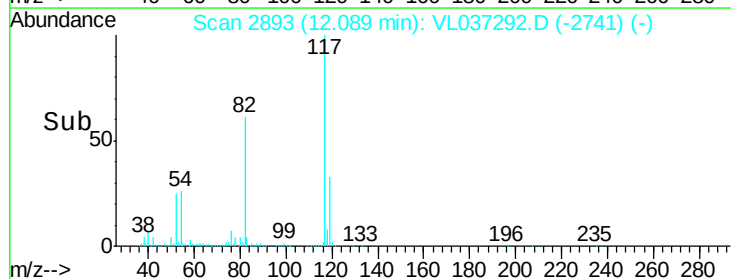
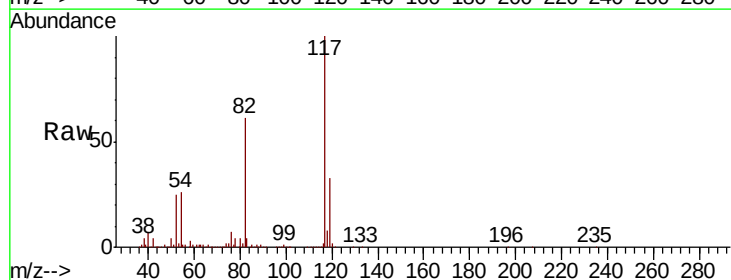
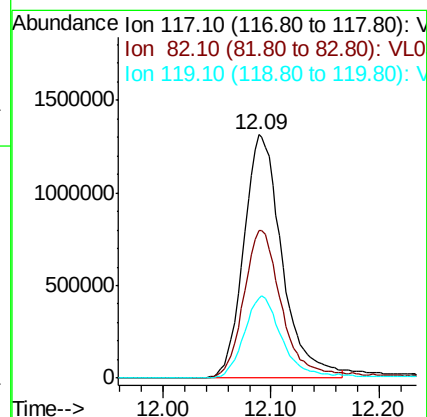
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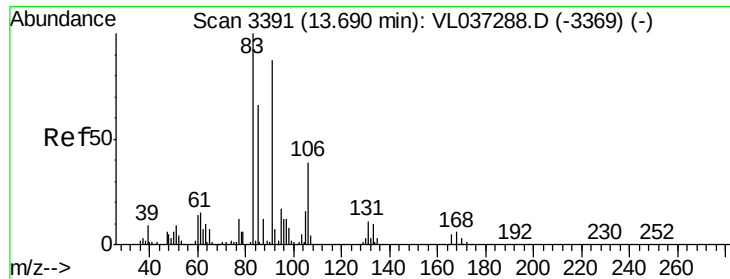
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037292.D
Acq: 30 Jul 2021 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.2	47.2	70.8
119	34.5	45.8	68.8#





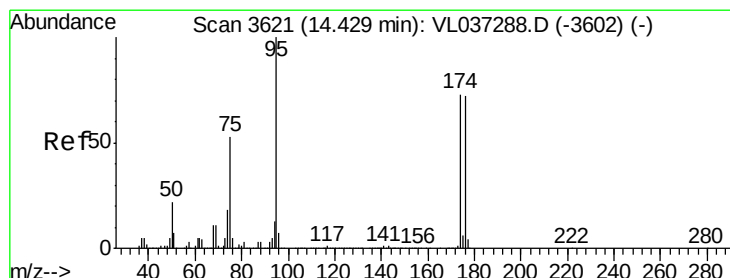
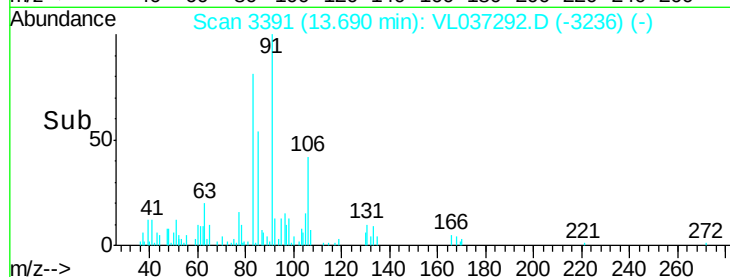
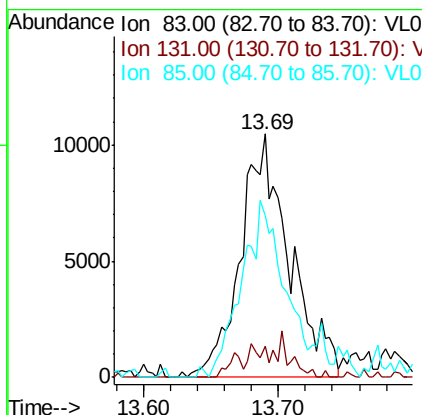
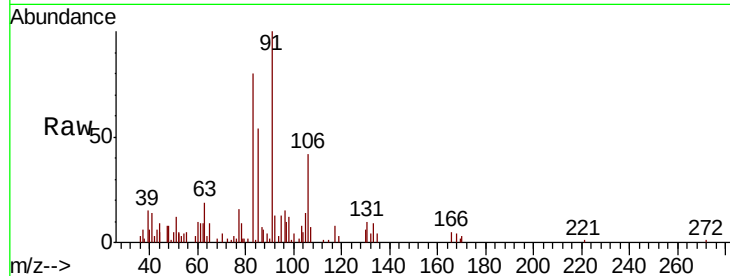
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.109 ppbv m
 RT: 13.69 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VL037292.D
 Acq: 30 Jul 2021 19:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	0.0	33.6	100.8#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.008 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL037292.D
 Acq: 30 Jul 2021 19:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.8	59.8	89.6
175	5.6	4.5	6.7

