

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035389.D
 Acq On : 12 Aug 2020 19:38
 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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 8/17/2020 5:44:01 PM

Quant Time: Aug 12 20:33:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 2020
 QLast Update : Wed Aug 12 20:00:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1493271	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3418748	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3201328	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2709127	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	3183m	0.031	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	10241	0.040	ppbv	87
35) Carbon Tetrachloride	7.01	117	7452m	0.031	ppbv	
38) Trichloroethene	7.84	130	4895m	0.037	ppbv	
52) Tetrachloroethene	11.24	164	4179m	0.035	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	10243m	0.034	ppbv	

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

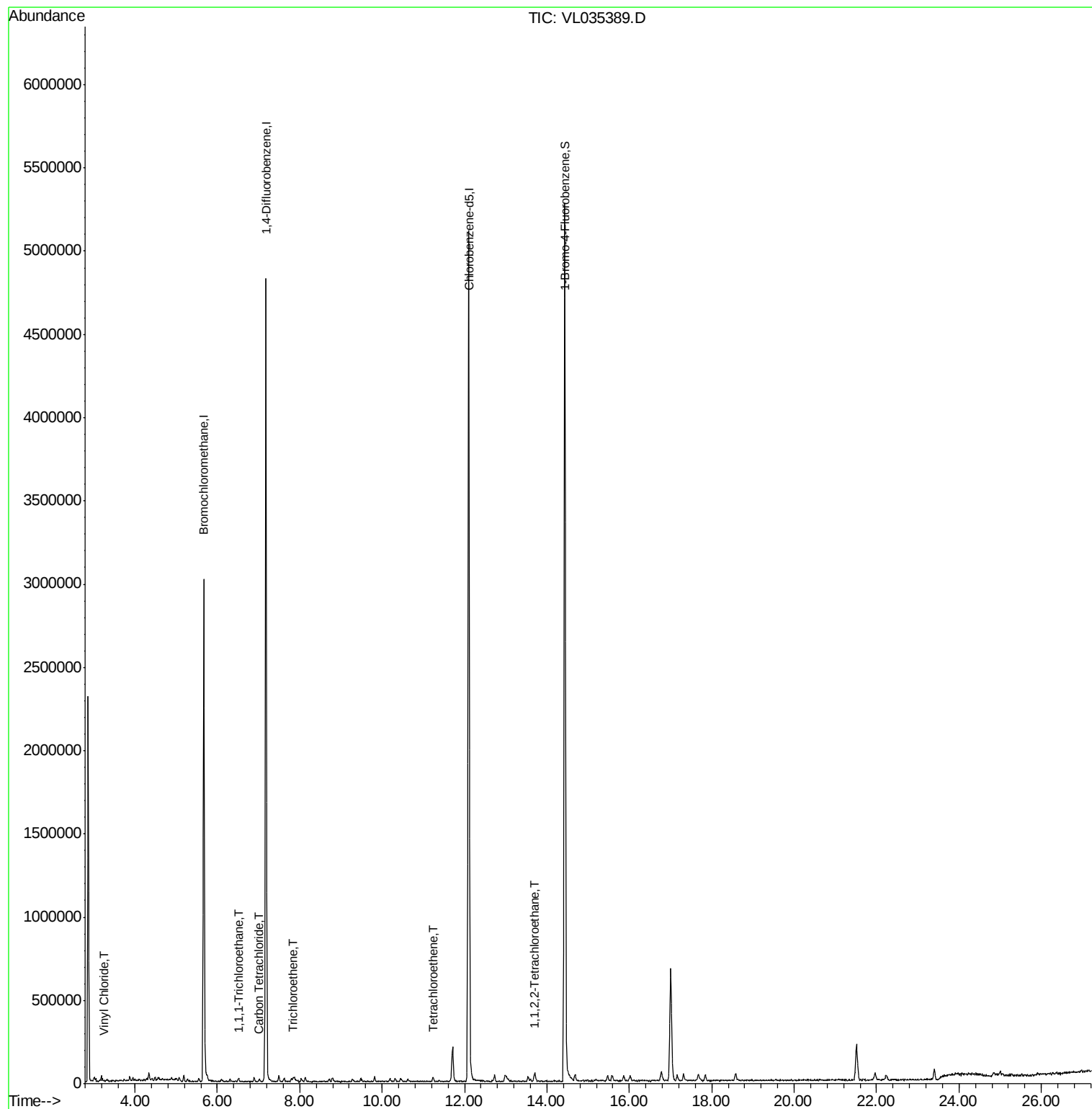
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Data File : VL035389.D
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Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

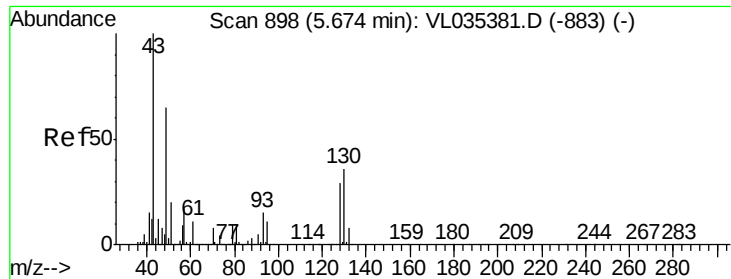
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Manual Integrations
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Quant Time: Aug 12 20:33:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 12 20:00:38 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035389.D

Acq: 12 Aug 2020 19:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1493271

Ion Ratio Lower Upper

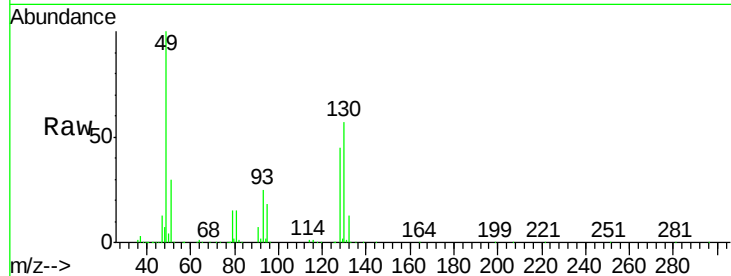
49 100

128 43.6 21.8 65.3

130 54.9 27.9 83.6

Manual Integrations
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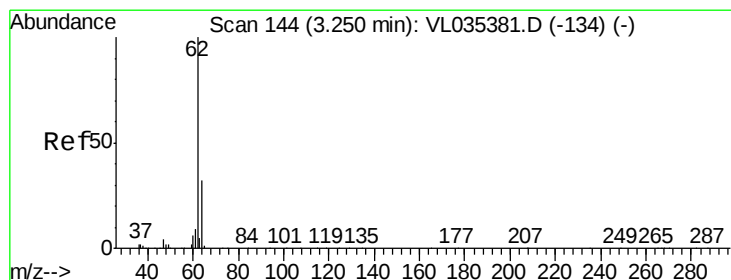
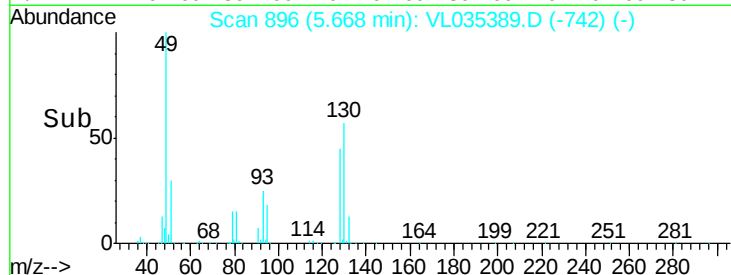
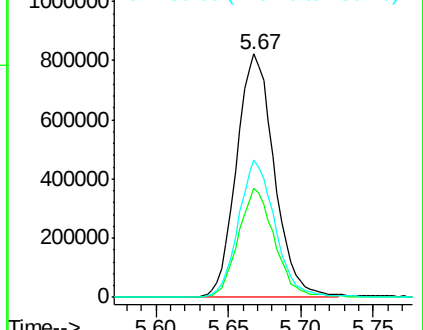
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.031 ppbv m

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL035389.D

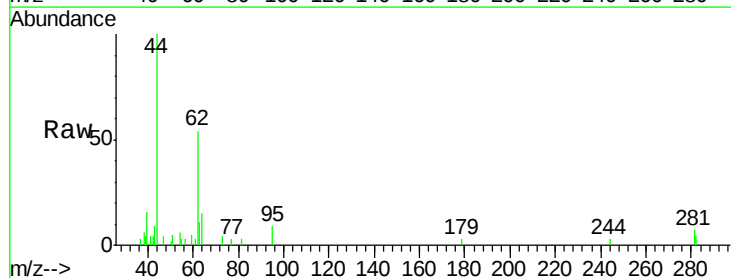
Acq: 12 Aug 2020 19:38

Tgt Ion: 62 Resp: 3183

Ion Ratio Lower Upper

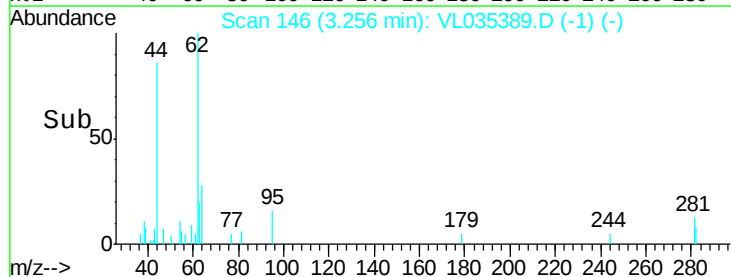
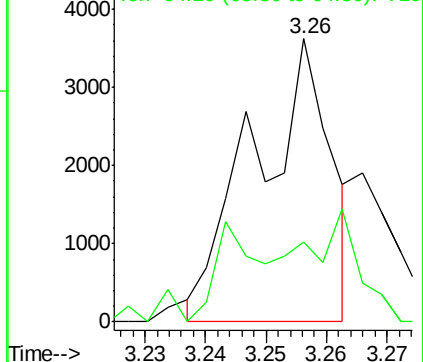
62 100

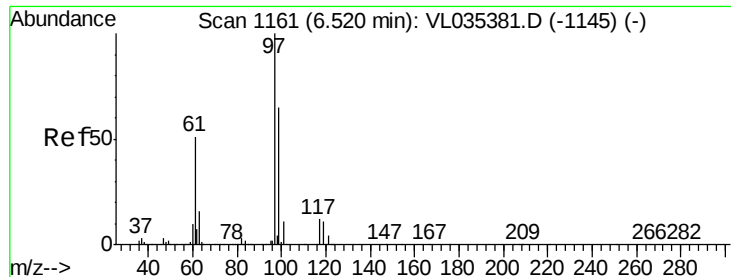
64 28.1 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





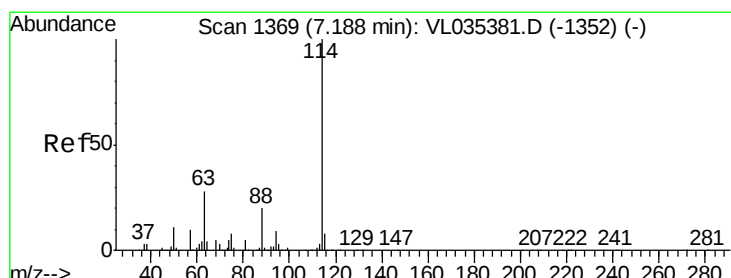
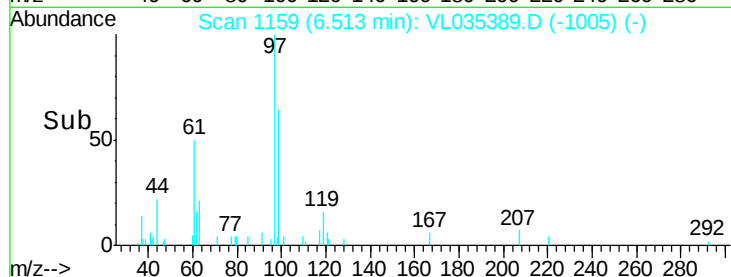
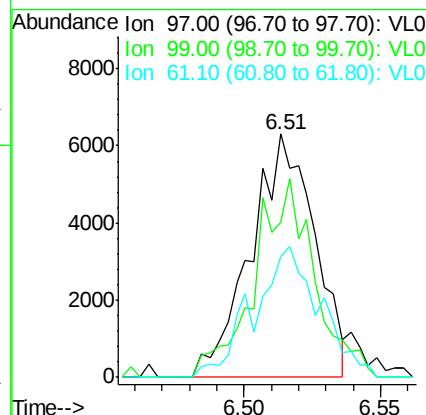
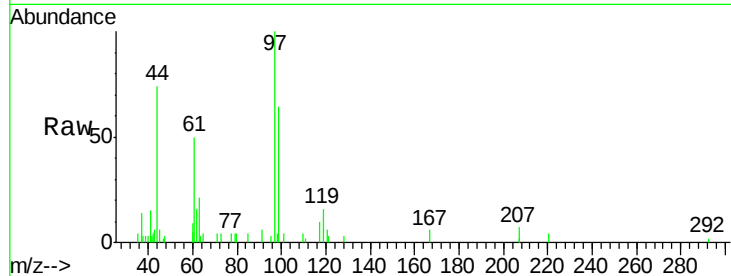
#32
 1,1,1-Trichloroethane
 Concen: 0.040 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: VL035389.D
 Acq: 12 Aug 2020 19:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	76.6	51.8	77.8	
61	56.1	39.6	59.4	

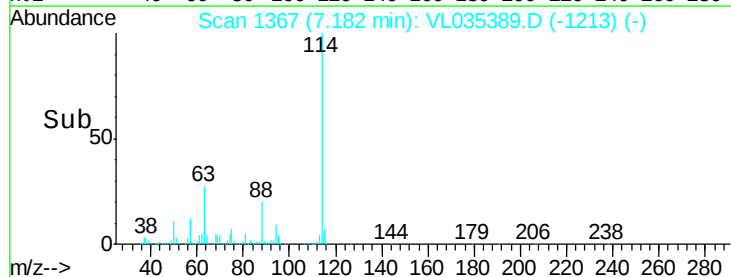
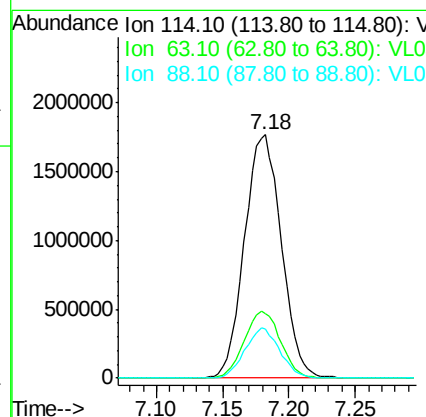
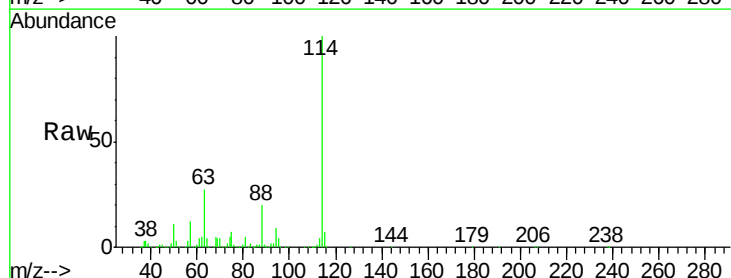
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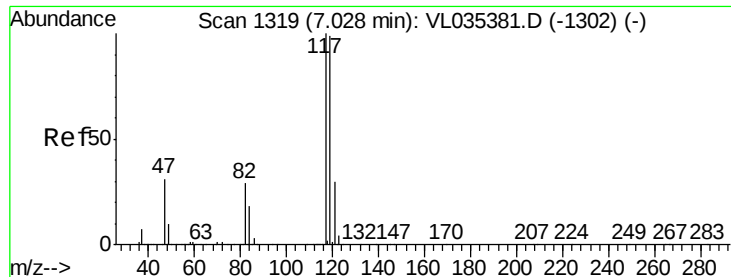
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL035389.D
 Acq: 12 Aug 2020 19:38

Tgt Ion	Ion	Ratio	Lower	Upper
114	100			
63	27.1	21.5	32.3	
88	19.6	15.6	23.4	





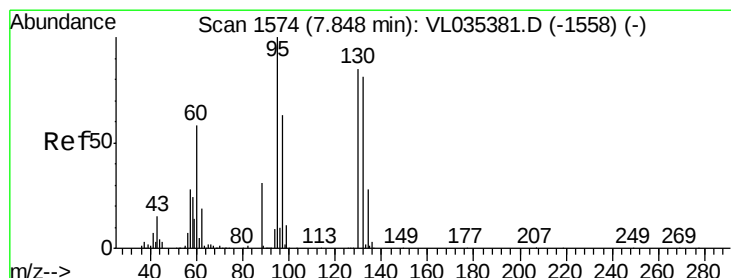
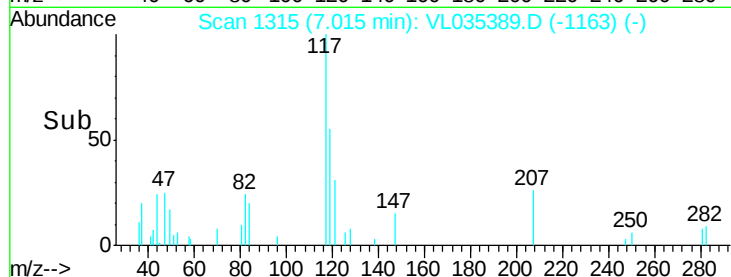
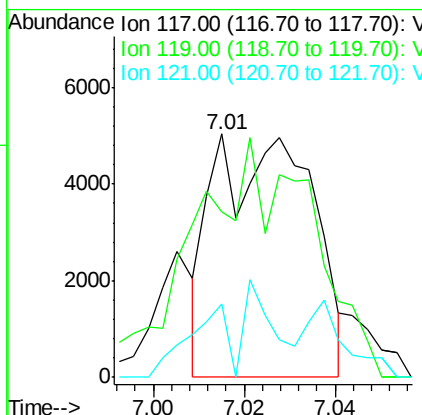
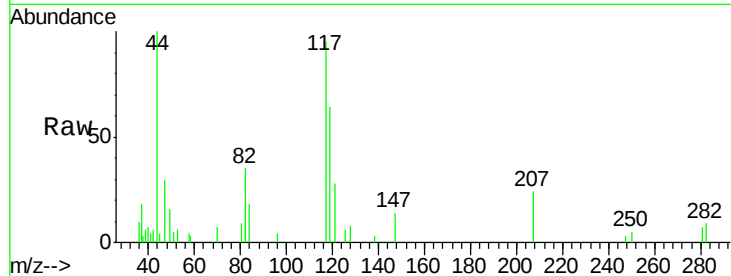
#35
Carbon Tetrachloride
Concen: 0.031 ppbv m
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	68.1	79.4	119.0#
121	30.0	24.3	36.5

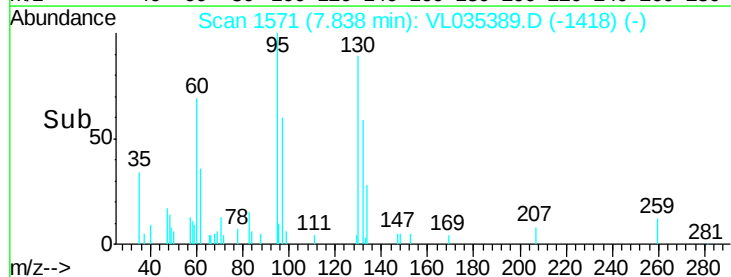
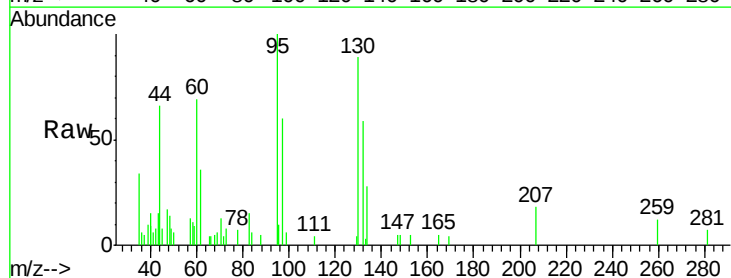
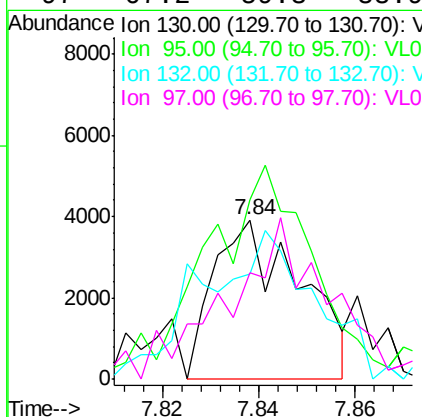
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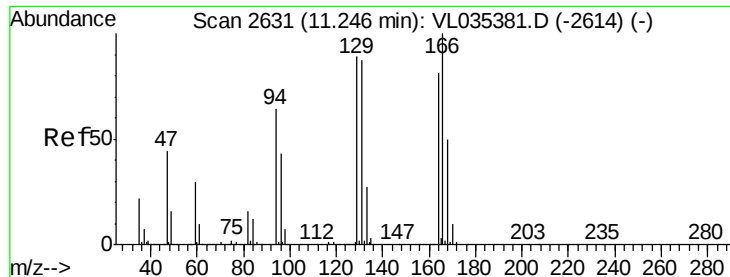
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#38
Trichloroethene
Concen: 0.037 ppbv m
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.9	94.2	141.4
132	66.3	76.6	114.8#
97	67.2	59.3	88.9





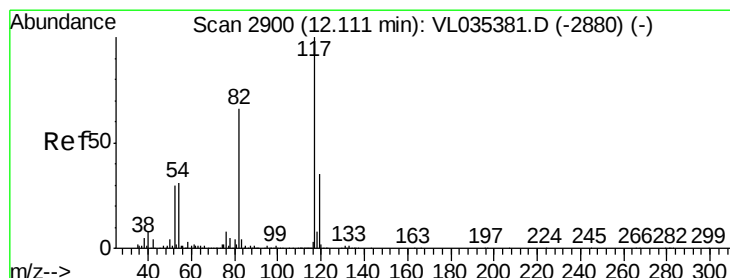
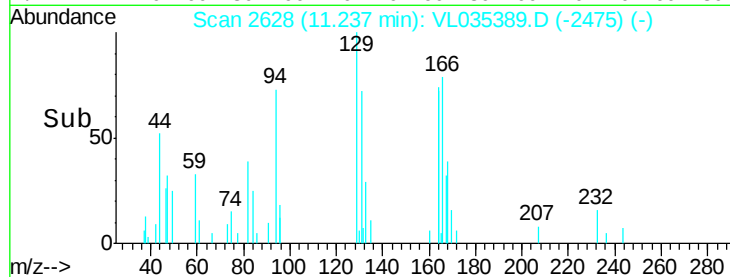
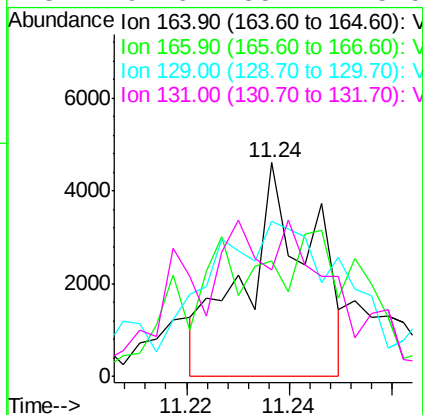
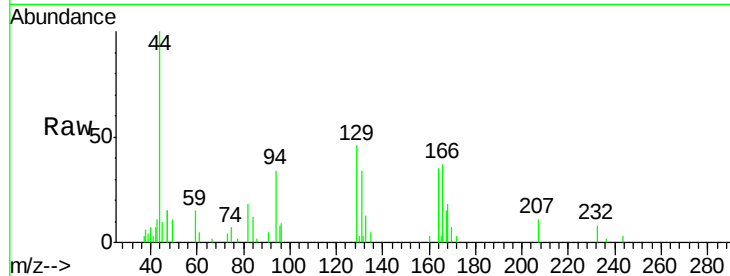
#52
Tetrachloroethene
Concen: 0.035 ppbv m
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	105.9	98.2	147.2
129	134.6	87.3	130.9#
131	97.6	85.7	128.5

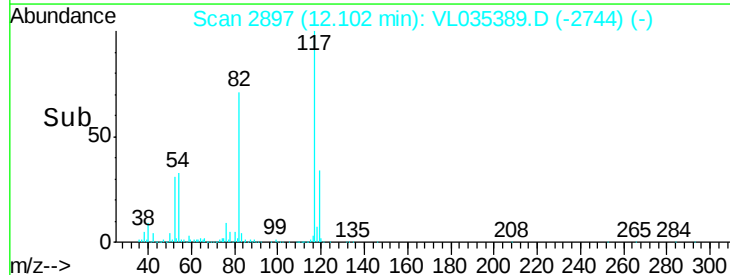
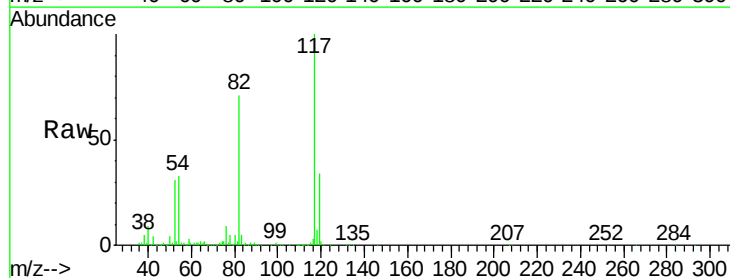
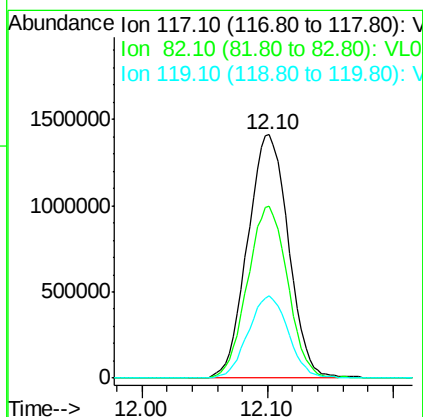
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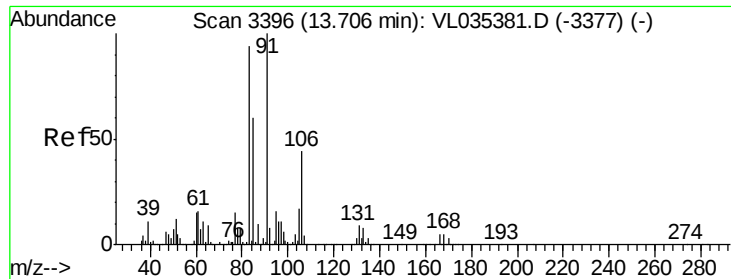
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.8	53.0	79.6
119	33.4	25.7	38.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.034 ppbv m

RT: 13.69 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL035389.D

Acq: 12 Aug 2020 19:38

Instrument :

MSVOA_L

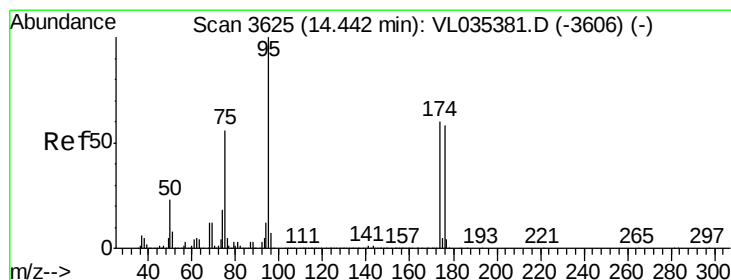
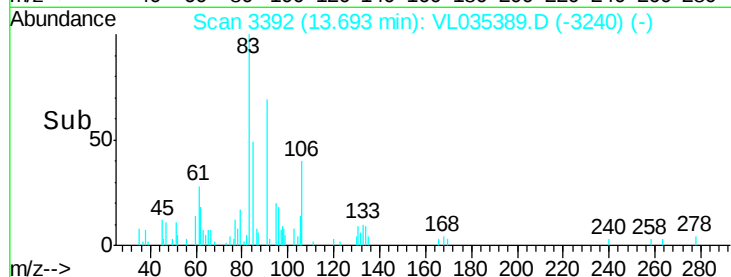
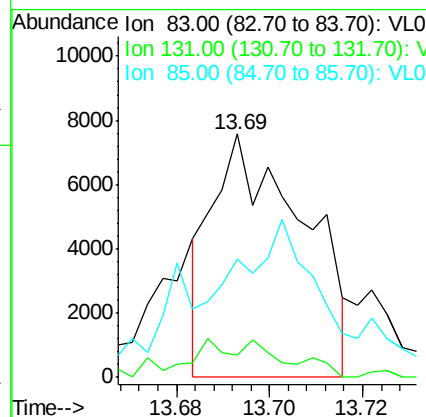
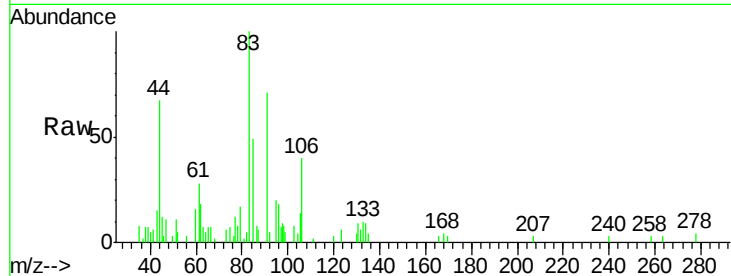
ClientSampleId :

VSTDIC0.03

Tot Ion:	83	Resp:	10243
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.5	13.7#
85	0.0	32.4	97.0#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.483 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035389.D

Acq: 12 Aug 2020 19:38

Tgt Ion:	95	Resp:	2709127
Ion Ratio	Lower	Upper	
95	100		
174	57.9	48.2	72.2
175	4.3	3.7	5.5

