

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080320\
 Data File : VL035320.D
 Acq On : 3 Aug 2020 15:28
 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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Quant Time: Aug 03 16:26:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 2020
 QLast Update : Mon Aug 03 15:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1351846	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3350817	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3205264	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2726701	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.20	62	2648m	0.030	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	6566m	0.030	ppbv	
35) Carbon Tetrachloride	7.02	117	6615m	0.029	ppbv	
38) Trichloroethene	7.83	130	1411m	0.015	ppbv	
52) Tetrachloroethene	11.25	164	2202m	0.025	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	7293m	0.027	ppbv	

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

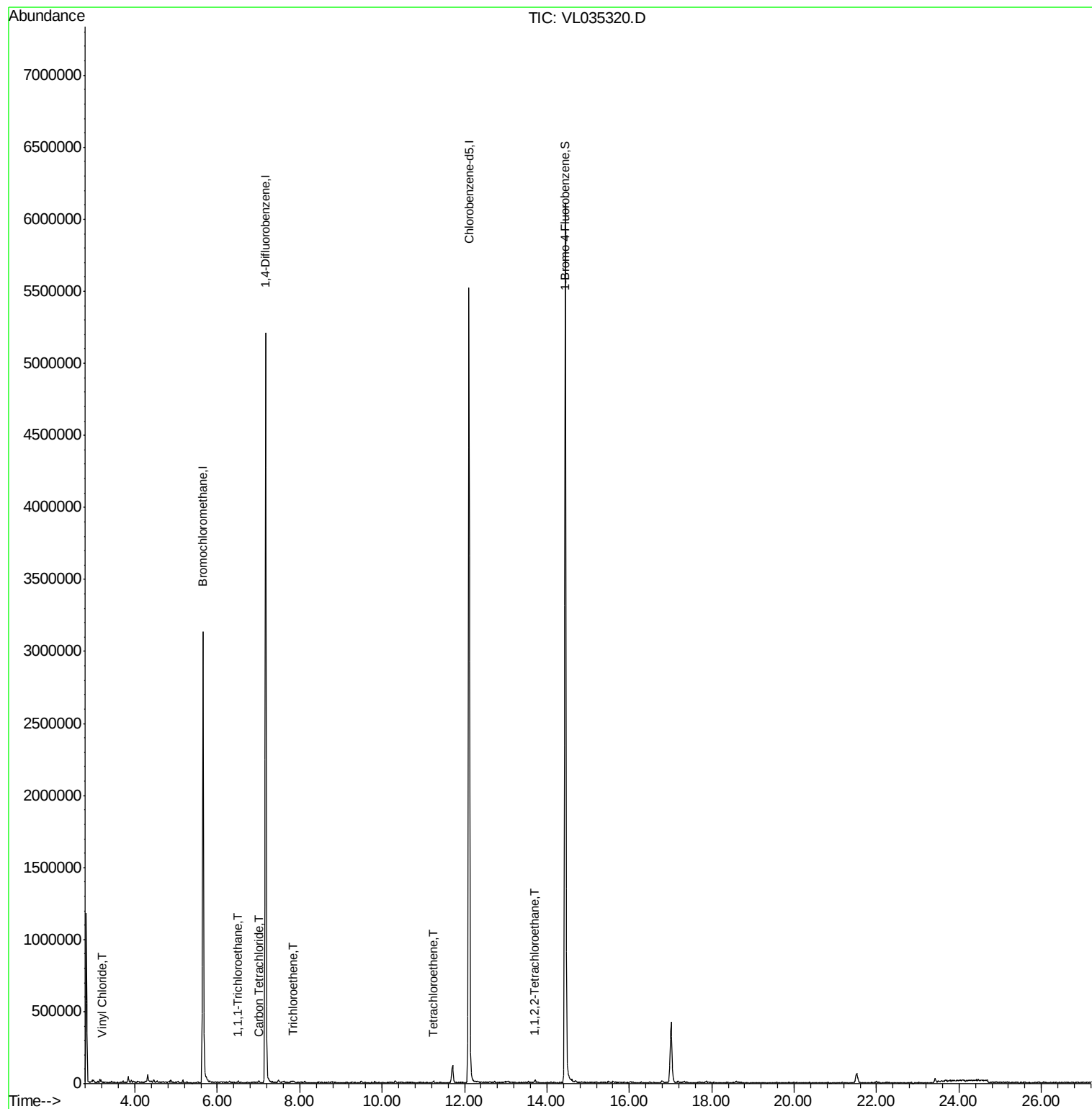
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL080320\
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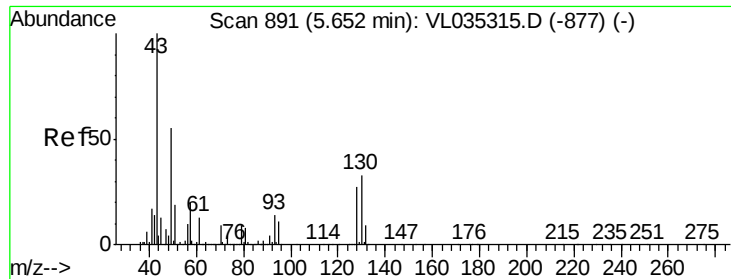
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Aug 03 16:26:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 03 15:02:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 49 Resp: 1351846

Ion Ratio Lower Upper

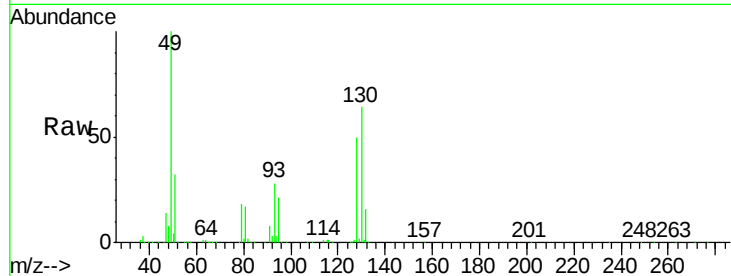
49 100

128 50.6 23.8 71.5

130 65.6 31.4 94.3

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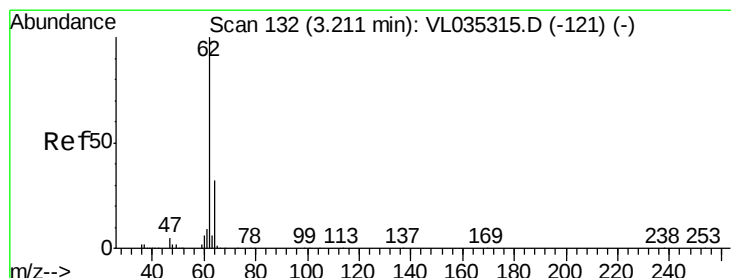
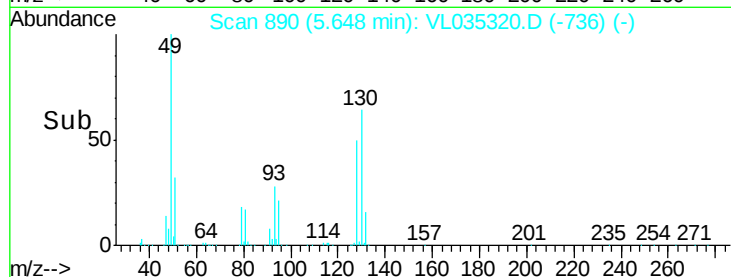
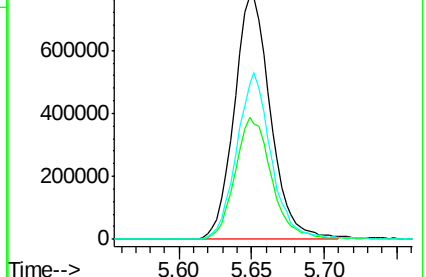
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.030 ppbv m

RT: 3.20 min Scan# 130

Delta R.T. -0.01 min

Lab File: VL035320.D

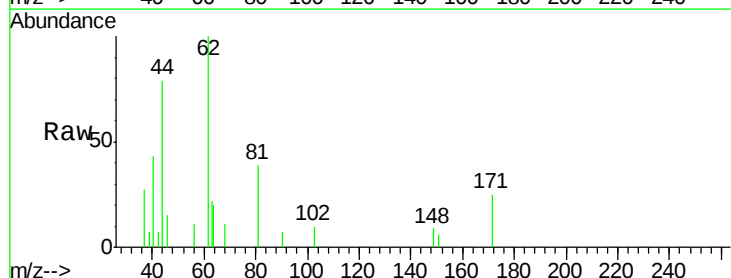
Acq: 3 Aug 2020 15:28

Tgt Ion: 62 Resp: 2648

Ion Ratio Lower Upper

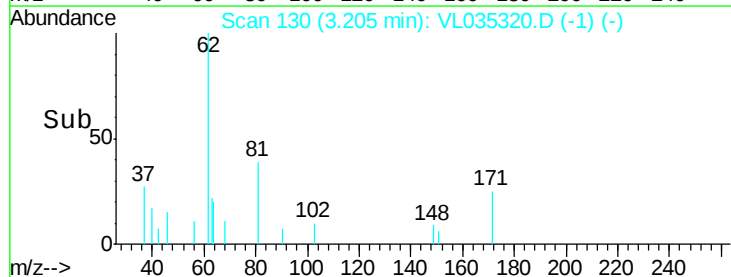
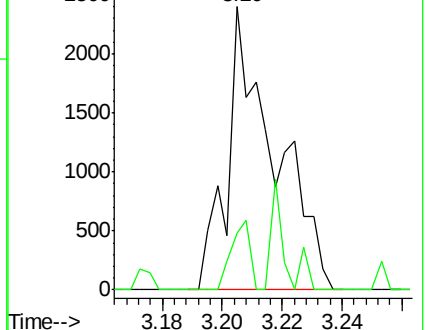
62 100

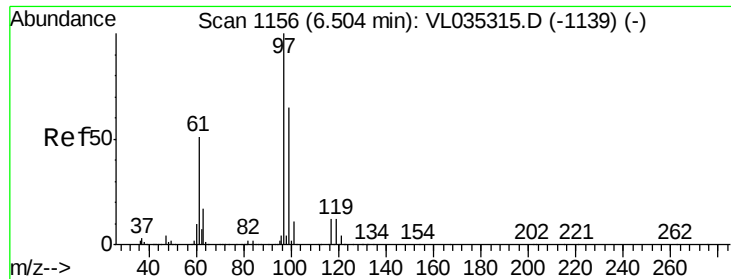
64 20.1 25.9 38.9#



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: 6.50 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

Instrument :

MSVOA_L

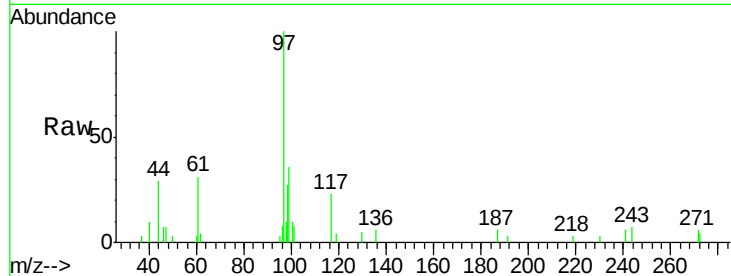
ClientSampleId :

VSTDIC0.03

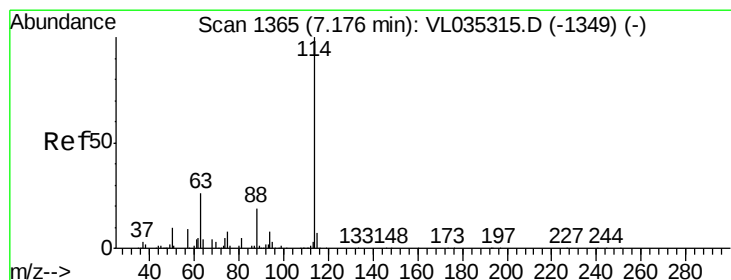
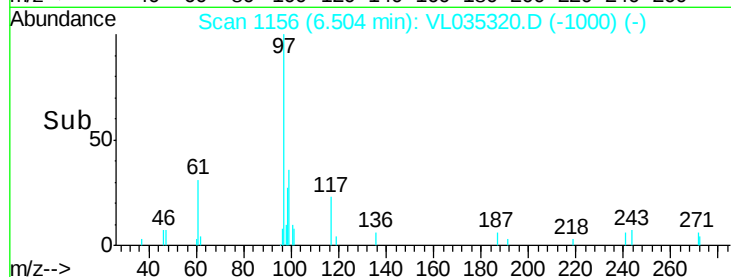
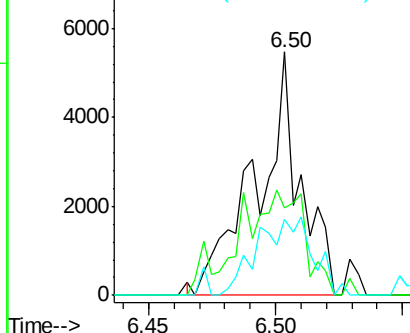
Tgt Ion:	97	Resp:	6566
Ion Ratio	Lower	Upper	
97	100		
99	65.7	52.2	78.4
61	0.0	40.9	61.3#

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

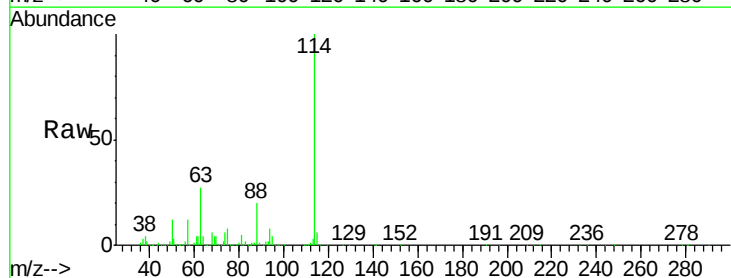
RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

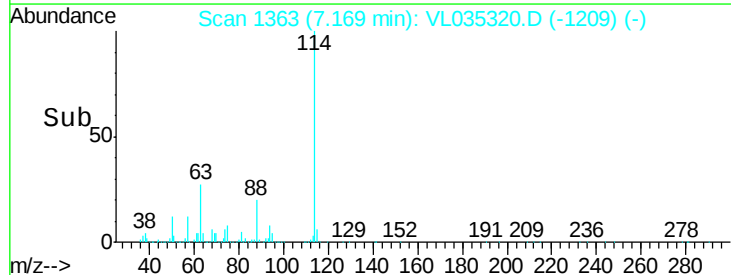
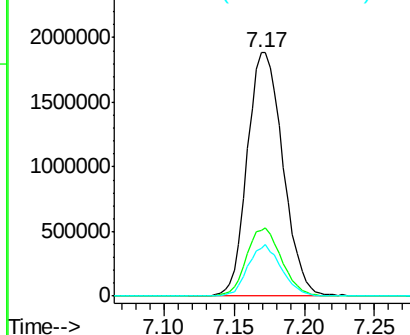
Lab File: VL035320.D

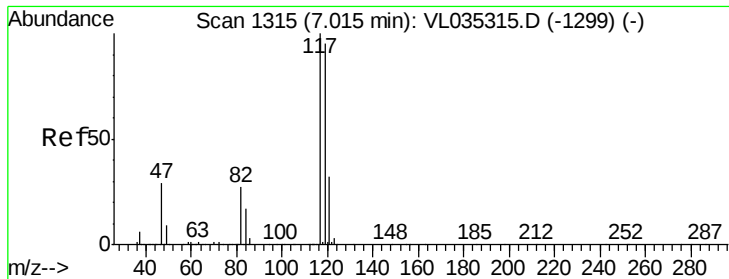
Acq: 3 Aug 2020 15:28

Tgt Ion:	114	Resp:	3350817
Ion Ratio	Lower	Upper	
114	100		
63	27.5	21.5	32.3
88	19.7	15.3	22.9



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.029 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

Instrument :

MSVOA_L

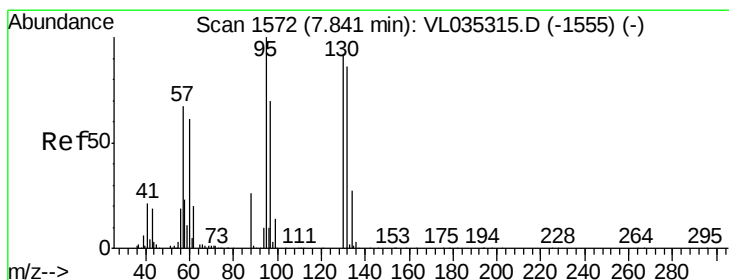
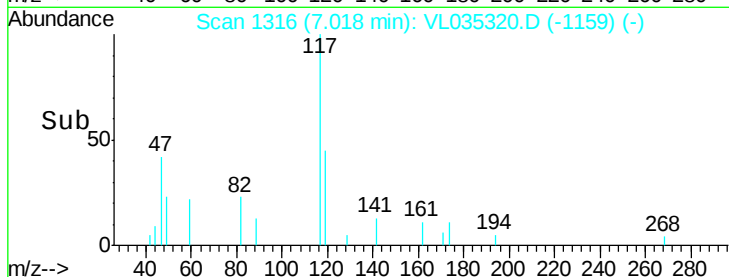
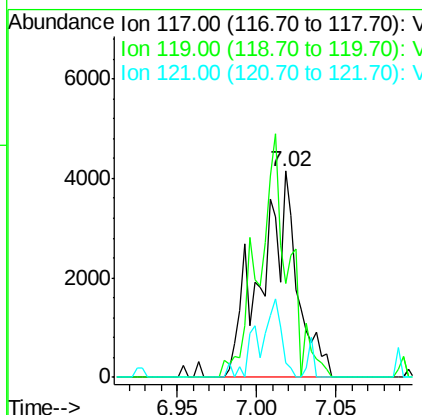
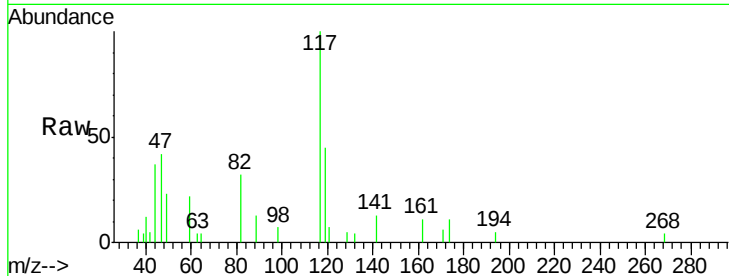
ClientSampleId :

VSTDIC0.03

Tgt Ion:	117	Resp:	6615
Ion Ratio	Lower	Upper	
117	100		
119	45.3	76.1	114.1#
121	7.1	25.6	38.4#

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#38

Trichloroethene

Concen: 0.015 ppbv m

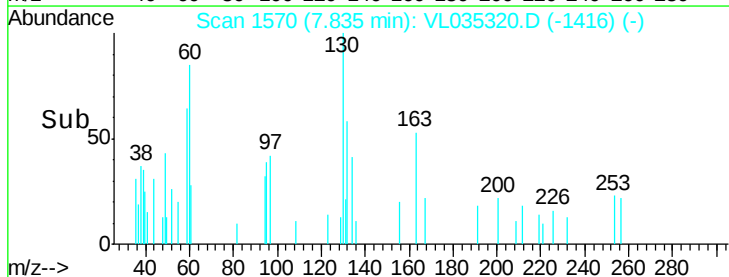
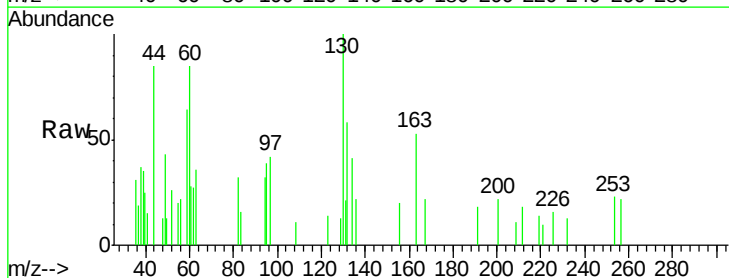
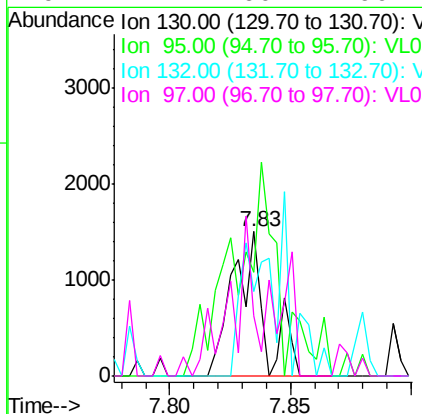
RT: 7.83 min Scan# 1570

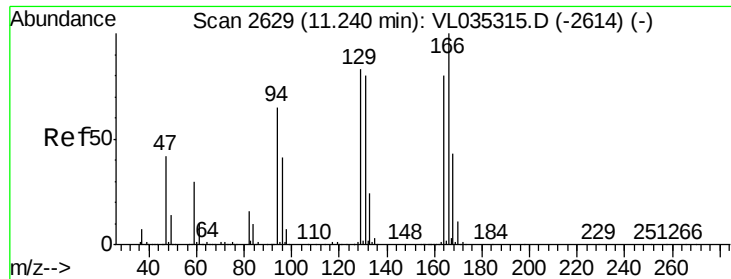
Delta R.T. -0.01 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

Tgt Ion:	130	Resp:	1411
Ion Ratio	Lower	Upper	
130	100		
95	39.4	86.3	129.5#
132	58.1	74.2	111.2#
97	41.7	60.2	90.4#





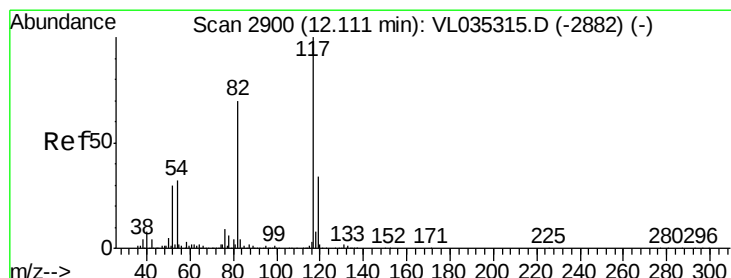
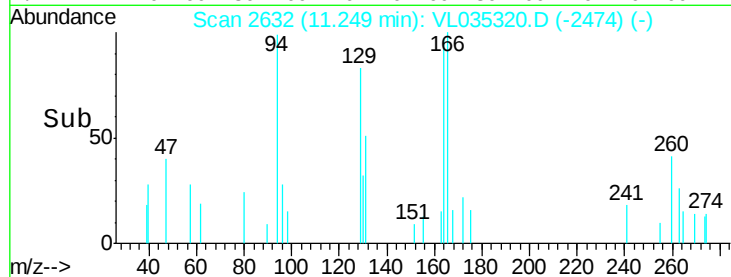
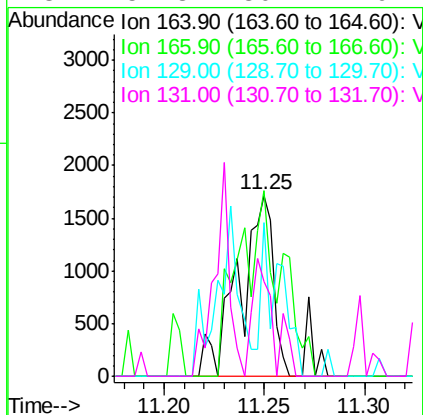
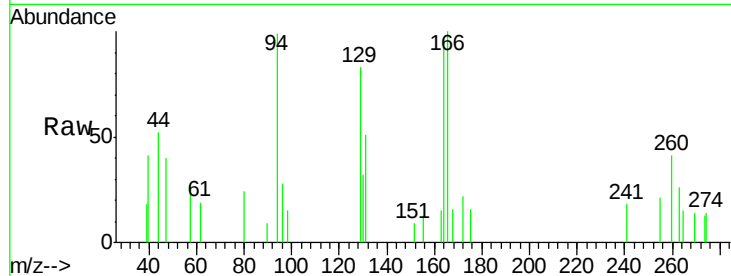
#52
Tetrachloroethene
Concen: 0.025 ppbv m
RT: 11.25 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL035320.D
Acq: 3 Aug 2020 15:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	102.6	100.2	150.2
129	85.2	82.7	124.1
131	52.3	80.2	120.4

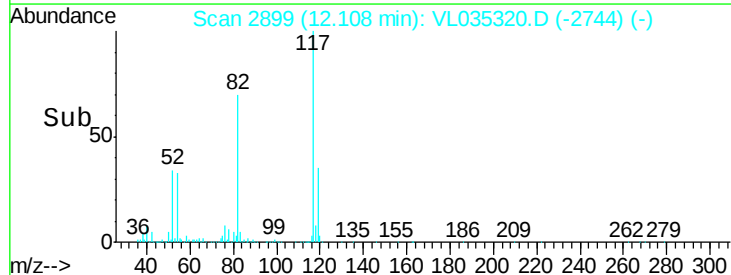
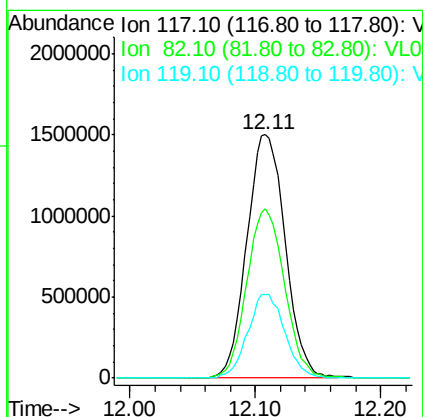
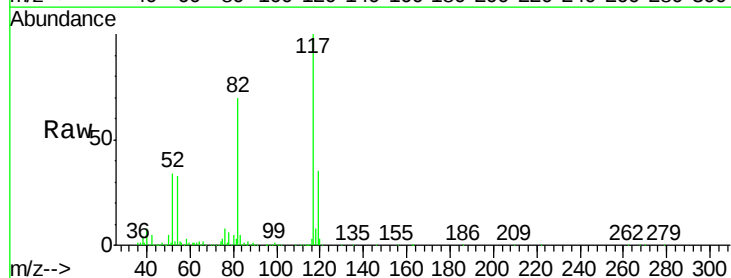
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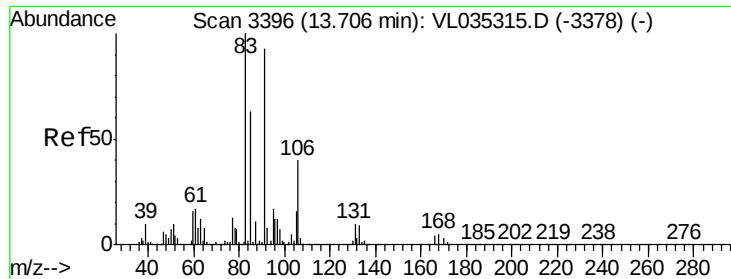
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035320.D
Acq: 3 Aug 2020 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.6	50.6	76.0
119	33.3	24.1	36.1





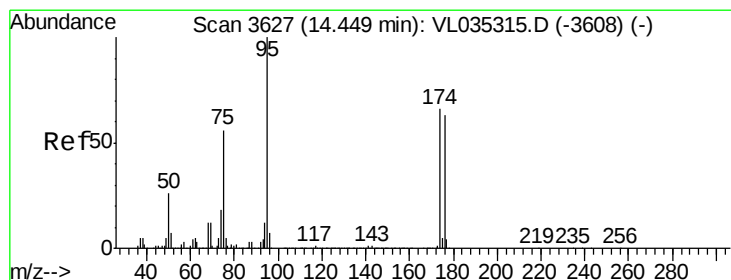
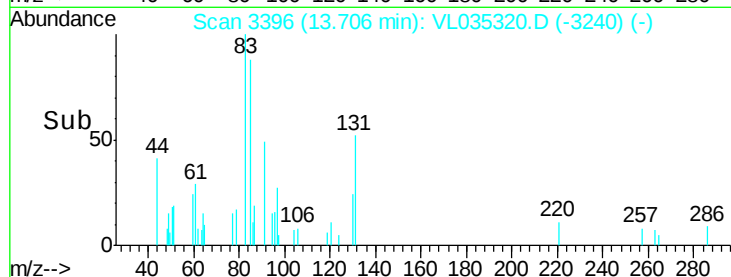
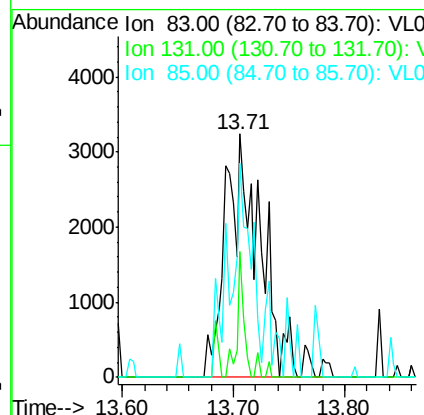
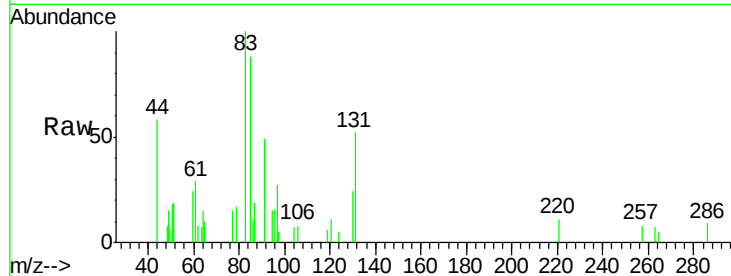
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.027 ppbv m
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035320.D
 Acq: 3 Aug 2020 15:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion: 83 Resp: 7293
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.6 13.8#
 85 66.9 32.6 97.7

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.646 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035320.D
 Acq: 3 Aug 2020 15:28

Tgt Ion: 95 Resp: 2726701
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.5 78.7
 175 4.8 3.9 5.9

