

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120720\
 Data File : VL036069.D
 Acq On : 7 Dec 2020 15:36
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
 APPROVED

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 12/10/2020 9:53:22 AM

Quant Time: Dec 07 16:27:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 13:39:30 2020
 QLast Update : Mon Dec 07 13:39:30 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.684	49	1331033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.195	114	2941821	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.108	117	2604004	10.00	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.442	95	2114737	10.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

Target Compounds					Qvalue
5) Vinyl Chloride	3.269	62	3849m	0.04	ppbv
32) 1,1,1-Trichloroethane	6.526	97	6409m	0.03	ppbv
35) Carbon Tetrachloride	7.031	117	5297m	0.03	ppbv
38) Trichloroethene	7.861	130	3300m	0.04	ppbv
52) Tetrachloroethene	11.237	164	3824m	0.05	ppbv
63) 1,1,2,2-Tetrachloroethane	13.703	83	6762m	0.03	ppbv

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

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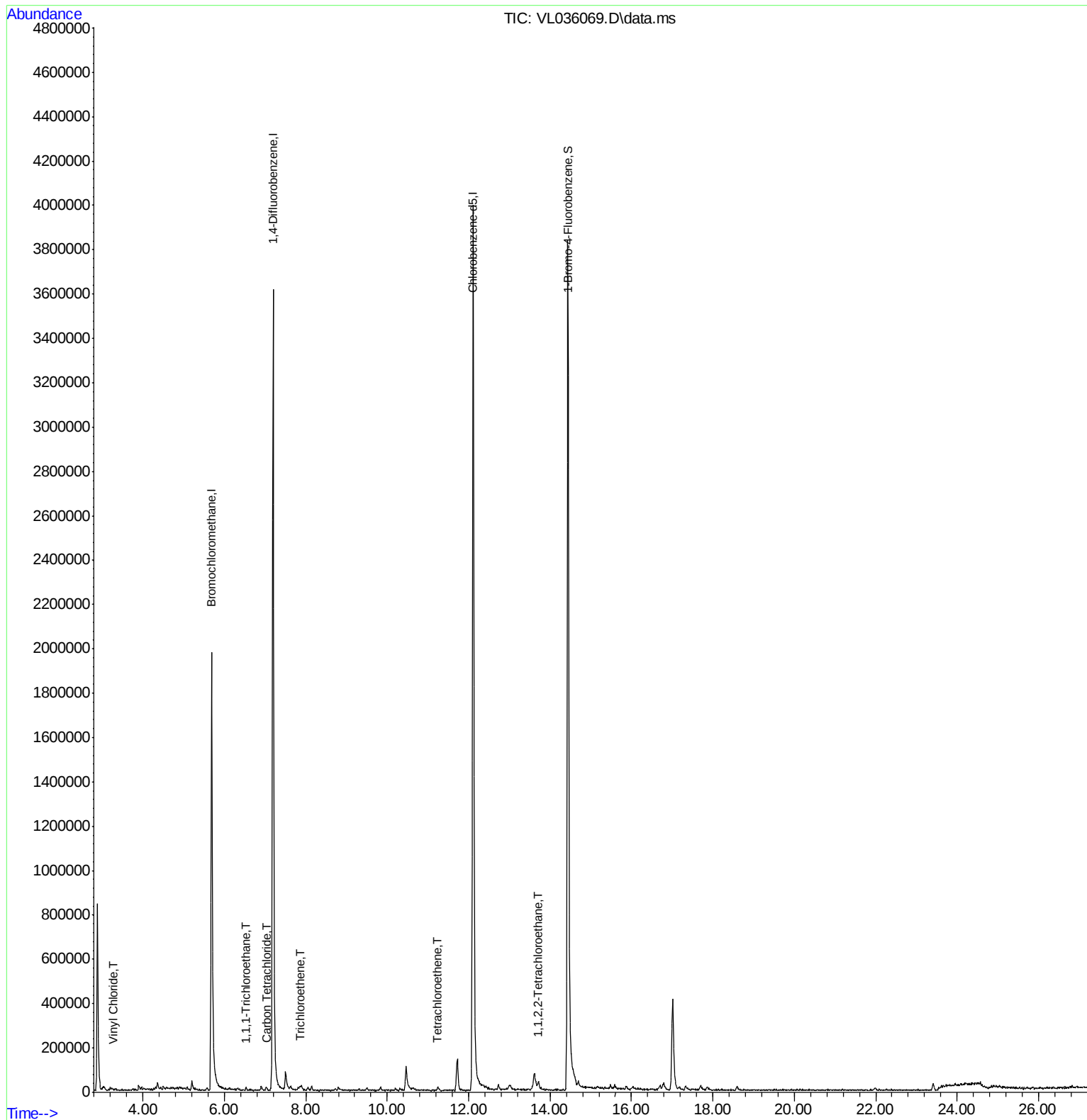
Quant Time: Dec 07 16:27:43 2020

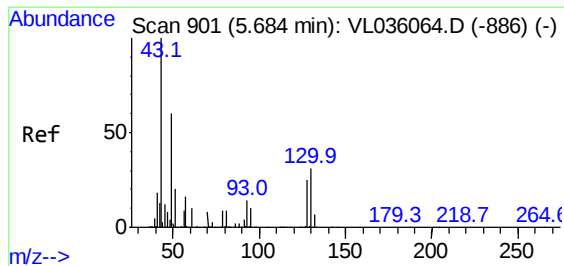
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 13:39:30 2020

QLast Update : Mon Dec 07 13:39:30 2020

Response via : Initial Calibration

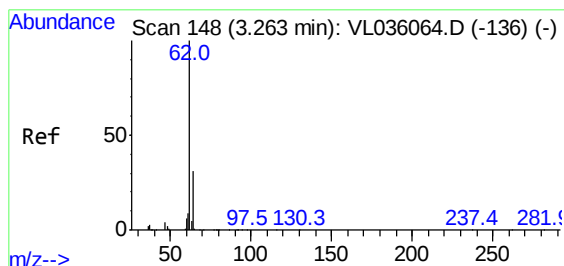
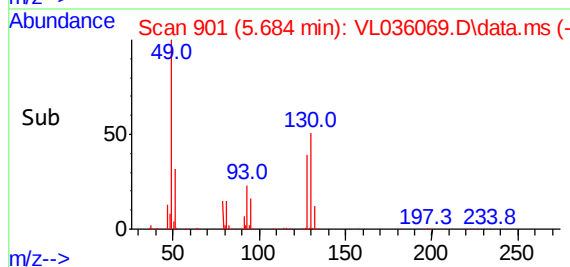
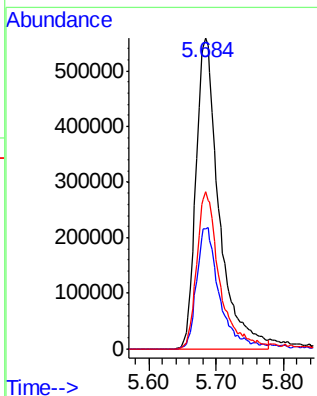
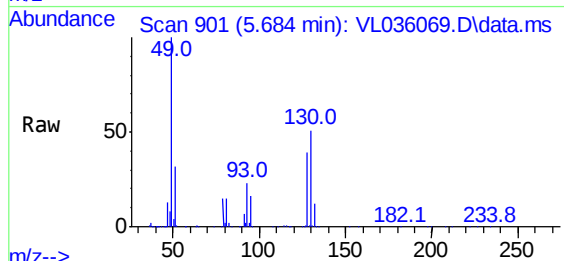




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.000 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

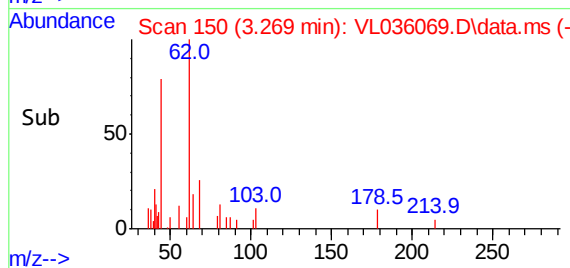
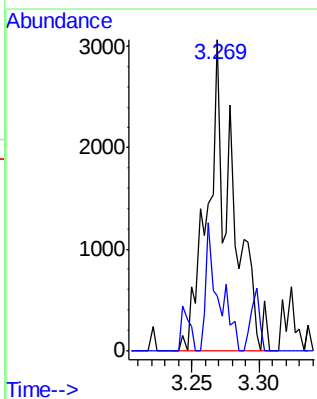
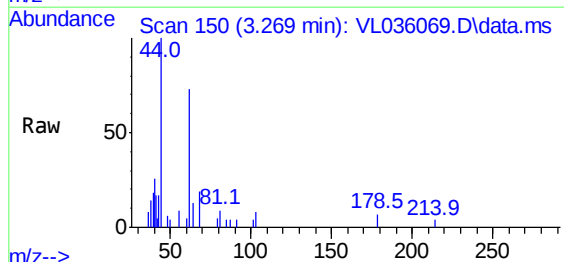
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

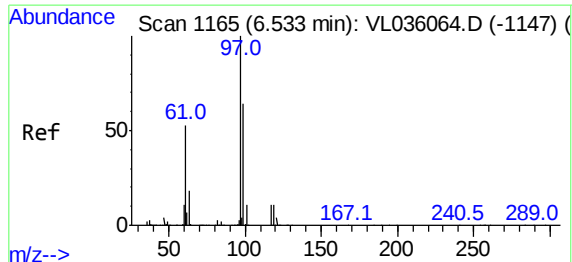
Tgt Ion: 49 Resp: 1331033
Ion Ratio Lower Upper
49 100
128 39.7 21.1 63.1
130 52.2 27.1 81.3



#5
Vinyl Chloride
Concen: 0.04 ppbv m
RT: 3.269 min Scan# 150
Delta R.T. 0.006 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

Tgt Ion: 62 Resp: 3849
Ion Ratio Lower Upper
62 100
64 17.7 24.5 36.7#





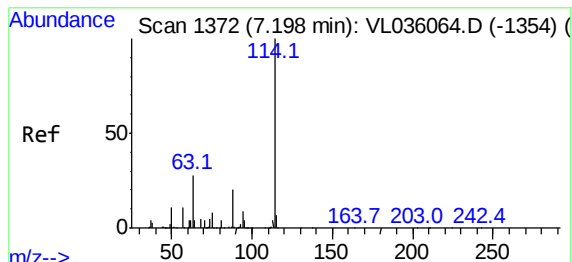
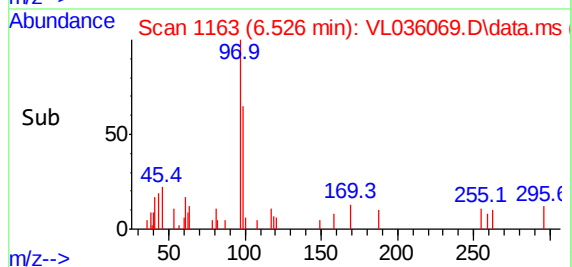
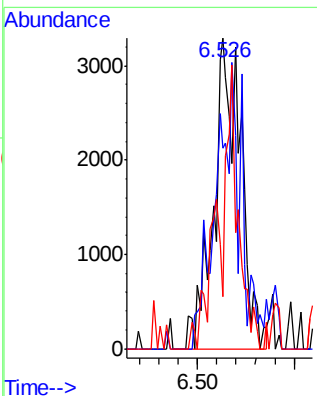
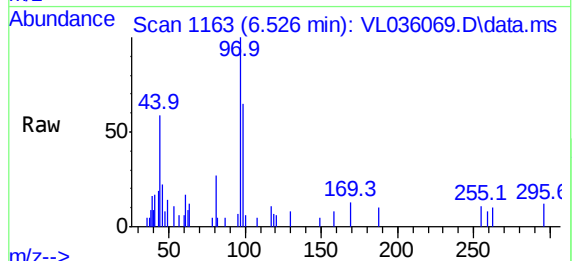
#32
1,1,1-Trichloroethane
Concen: 0.03 ppbv m
RT: 6.526 min Scan# 1163
Delta R.T. -0.006 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 97 Resp: 6409
Ion Ratio Lower Upper
97 100
99 83.7 52.4 78.6#
61 67.3 43.4 65.0#

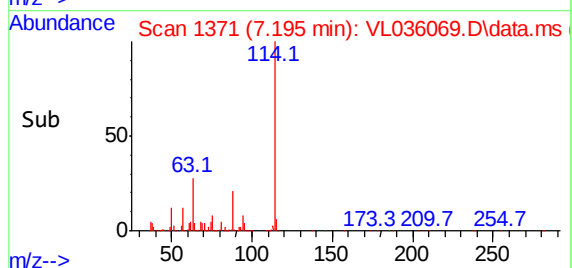
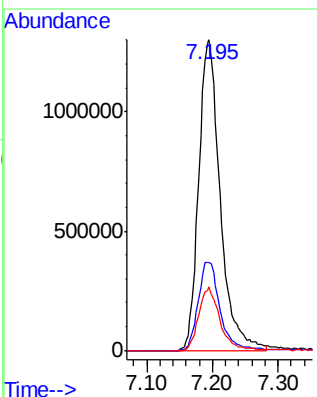
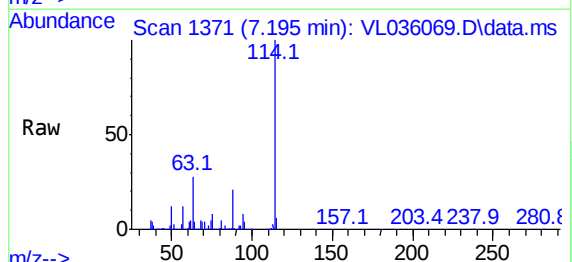
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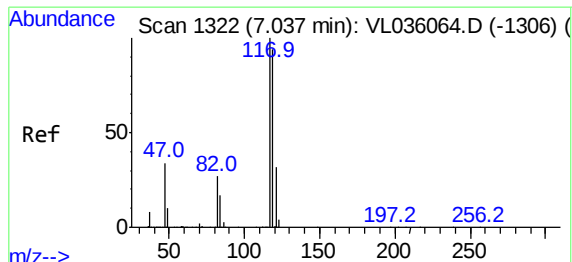
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.195 min Scan# 1371
Delta R.T. -0.003 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

Tgt Ion:114 Resp: 2941821
Ion Ratio Lower Upper
114 100
63 29.1 23.6 35.4
88 20.2 15.8 23.6





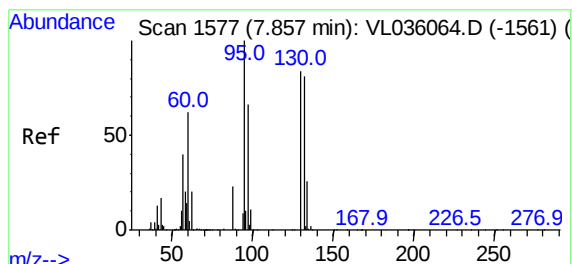
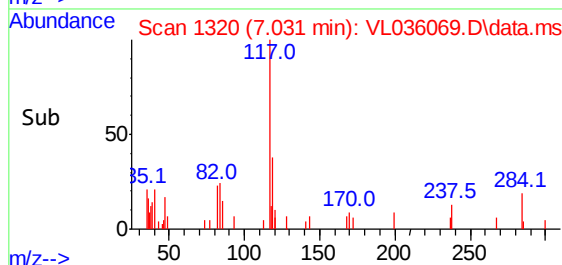
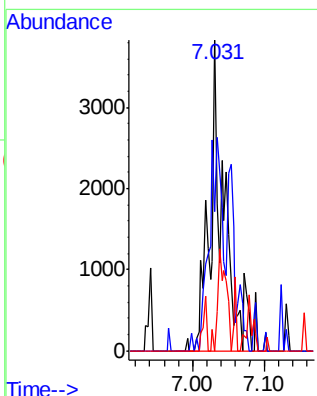
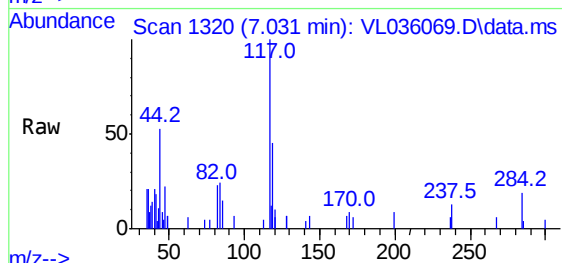
#35
Carbon Tetrachloride
Concen: 0.03 ppbv m
RT: 7.031 min Scan# 1320
Delta R.T. -0.006 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion:117 Resp: 5297
Ion Ratio Lower Upper
117 100
119 44.8 75.1 112.7#
121 0.0 25.6 38.4#

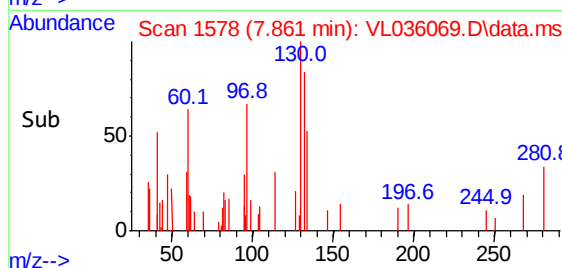
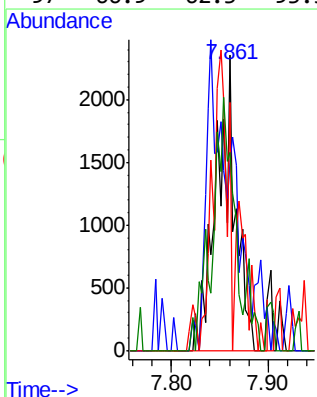
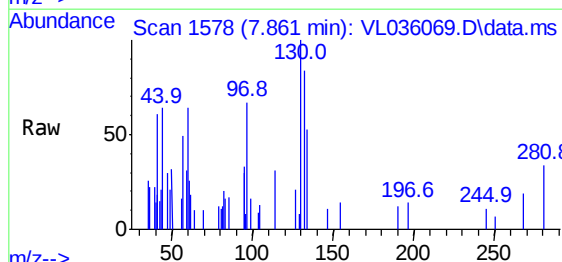
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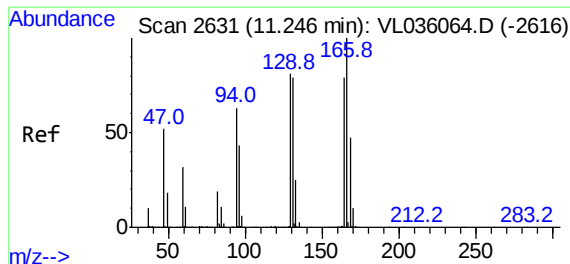
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#38
Trichloroethene
Concen: 0.04 ppbv m
RT: 7.861 min Scan# 1578
Delta R.T. 0.003 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

Tgt Ion:130 Resp: 3300
Ion Ratio Lower Upper
130 100
95 33.3 95.2 142.8#
132 83.9 76.9 115.3
97 66.9 62.3 93.5





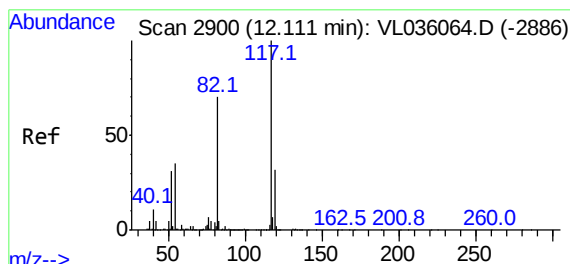
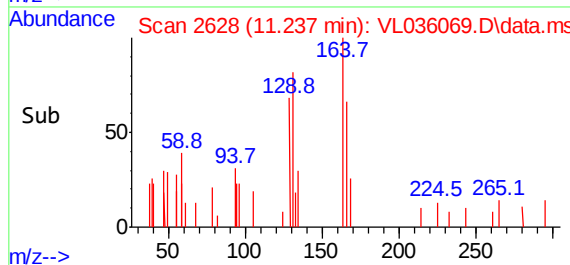
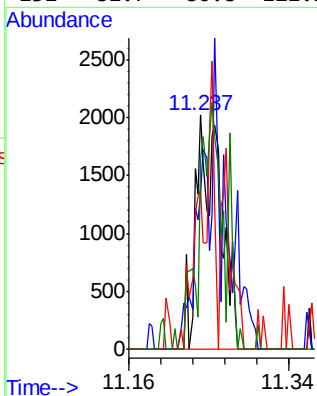
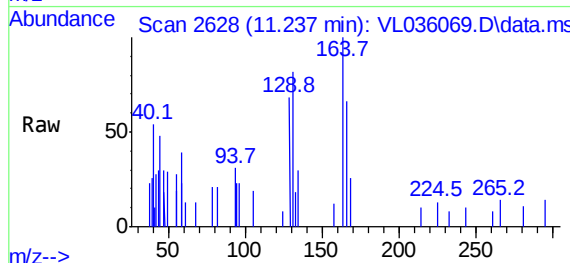
#52
Tetrachloroethene
Concen: 0.05 ppbv m
RT: 11.237 min Scan# 2628
Delta R.T. -0.010 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion:164 Resp: 3824
Ion Ratio Lower Upper
164 100
166 66.4 101.9 152.9#
129 67.6 82.1 123.1#
131 81.7 80.8 121.2

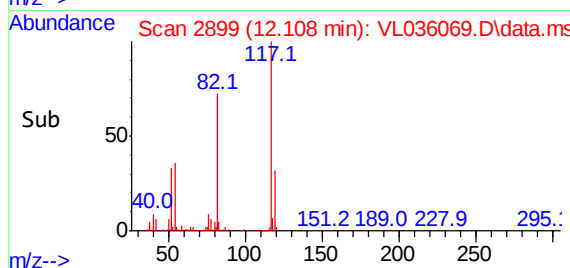
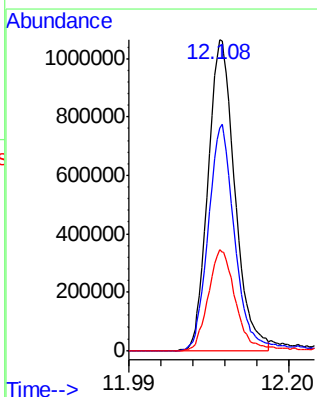
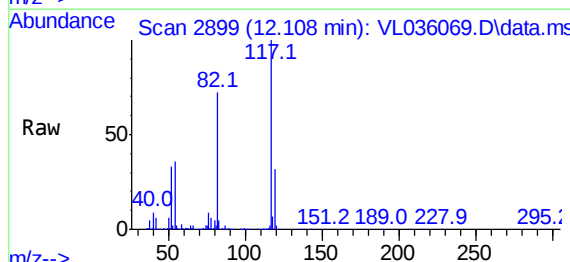
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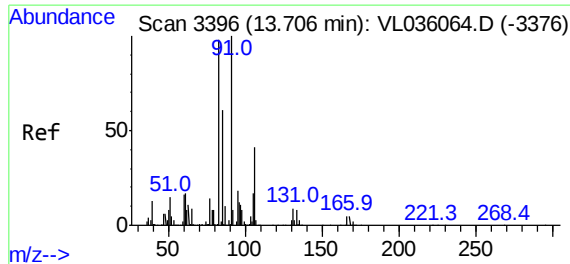
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.108 min Scan# 2899
Delta R.T. -0.003 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

Tgt Ion:117 Resp: 2604004
Ion Ratio Lower Upper
117 100
82 73.9 0.0 0.0#
119 33.0 0.0 0.0#





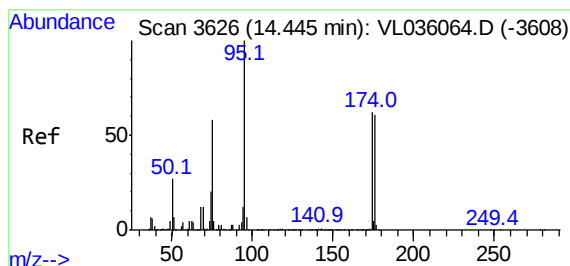
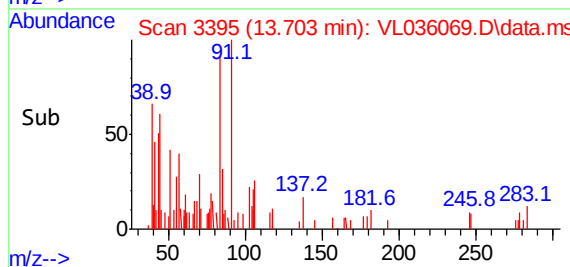
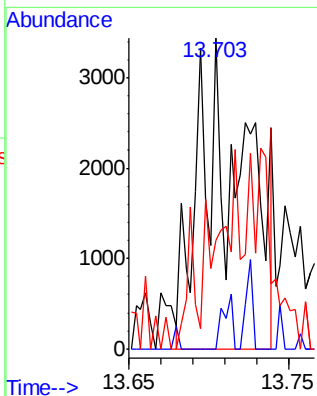
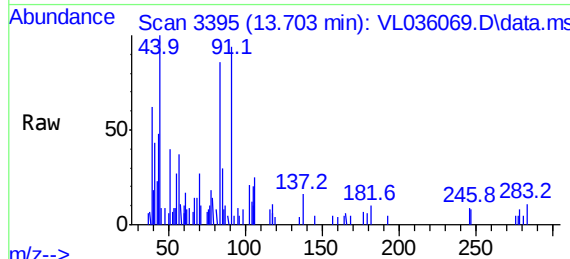
#63
1,1,2,2-Tetrachloroethane
Concen: 0.03 ppbv m
RT: 13.703 min Scan# 3395
Delta R.T. -0.003 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 83 Resp: 6762
Ion Ratio Lower Upper
83 100
131 0.0 4.6 13.8#
85 0.0 32.5 97.5#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.63 ppbv
RT: 14.442 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VL036069.D
Acq: 7 Dec 2020 15:36

Tgt Ion: 95 Resp: 2114737
Ion Ratio Lower Upper
95 100
174 63.7 50.7 76.1
175 4.6 4.0 6.0

