

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032435.D
 Acq On : 31 Aug 2018 3:07
 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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Quant Time: Aug 31 06:41:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 06:41:19 2018
 QLast Update : Fri Aug 31 04:25:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2119738	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4108033	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3908042	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2963442	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.32	62	12738m	0.13	ppbv	
32) 1,1,1-Trichloroethane	6.67	97	29268m	0.11	ppbv	
35) Carbon Tetrachloride	7.18	117	28236m	0.11	ppbv	
38) Trichloroethene	8.02	130	12287m	0.11	ppbv	
52) Tetrachloroethene	11.43	164	9975m	0.10	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.89	83	35756m	0.11	ppbv	

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

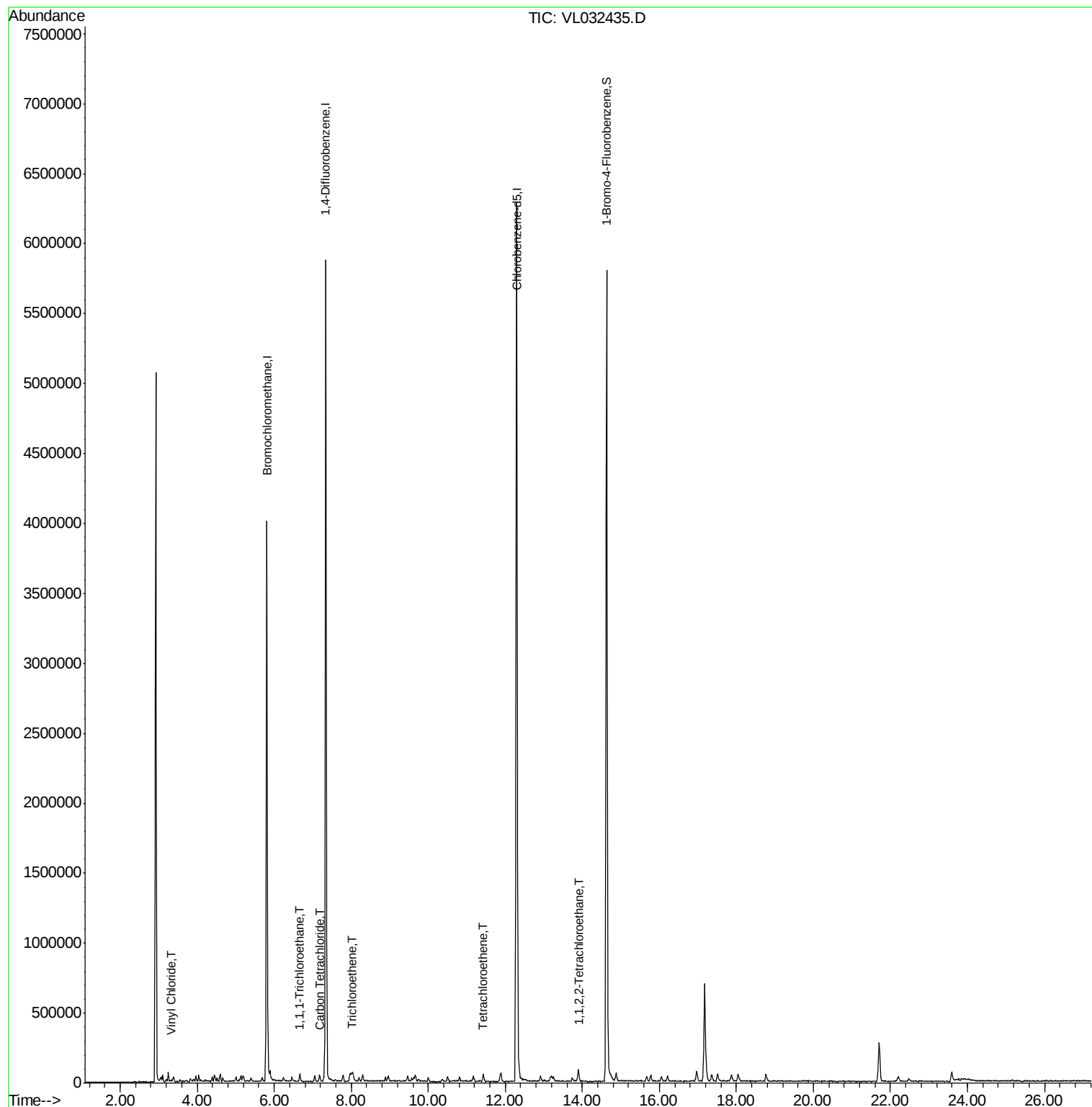
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL083118\
Data File : VL032435.D
Acq On : 31 Aug 2018 3:07
Operator : SY/AP
Sample : VSTDICC0.1
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Quant Time: Aug 31 06:41:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.81 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VL032435.D

Acq: 31 Aug 2018 3:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 2119738

Ion Ratio Lower Upper

49 100

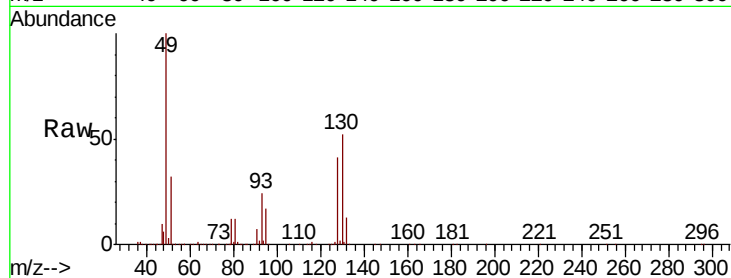
128 41.3 20.7 62.1

130 52.7 26.7 80.0

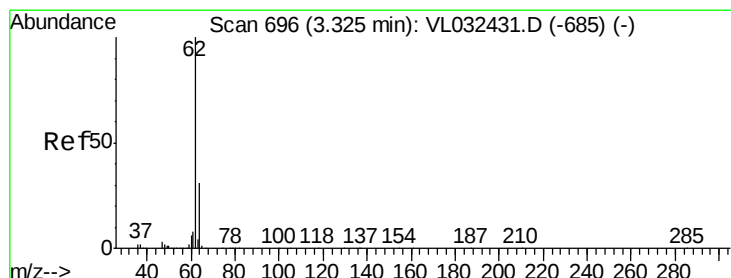
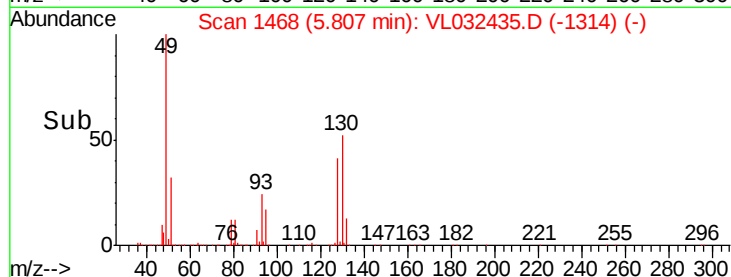
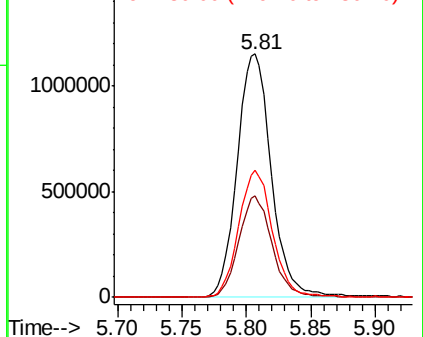
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.13 ppbv m

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL032435.D

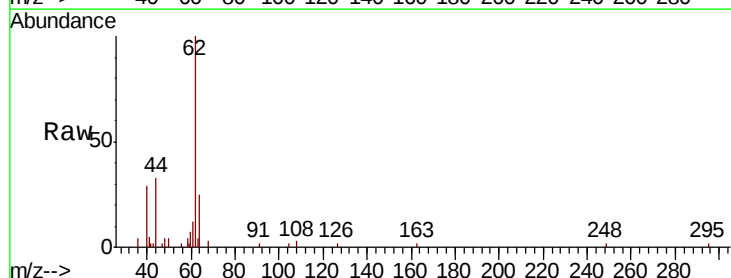
Acq: 31 Aug 2018 3:07

Tgt Ion: 62 Resp: 12738

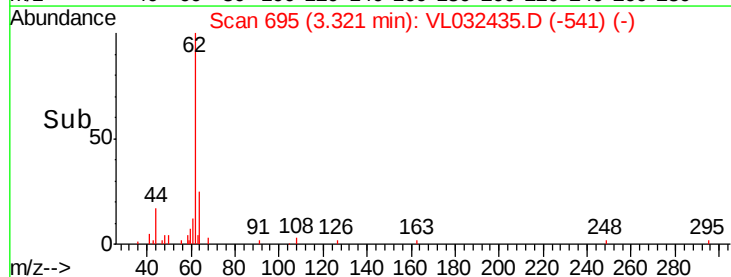
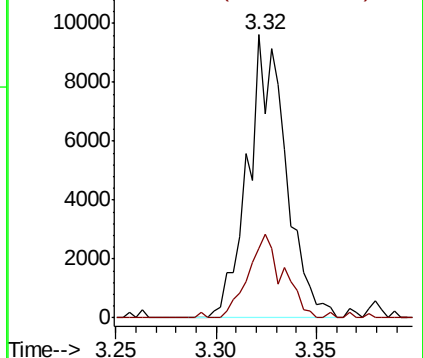
Ion Ratio Lower Upper

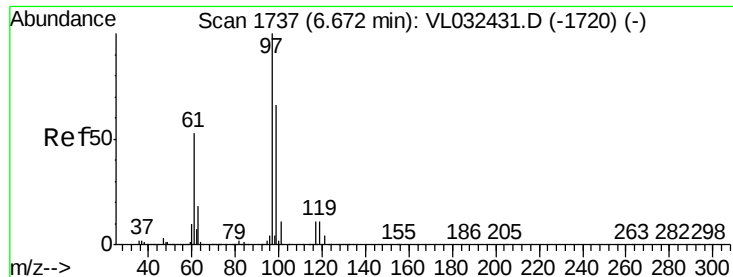
62 100

64 24.8 25.0 37.6#



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: 0.11 ppbv m

RT: 6.67 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VL032435.D

Acq: 31 Aug 2018 3:07

Instrument :

MSVOA_L

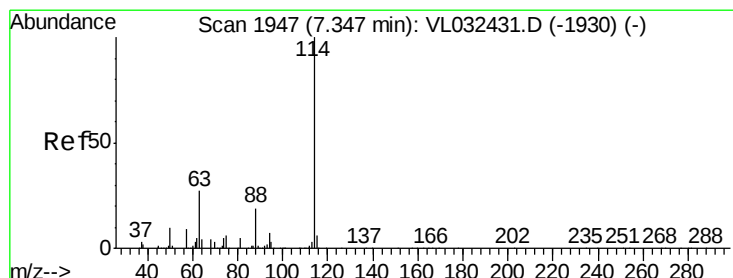
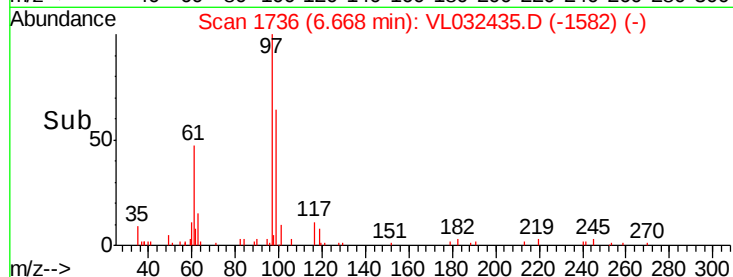
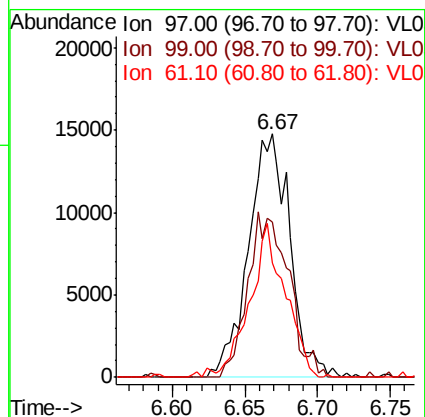
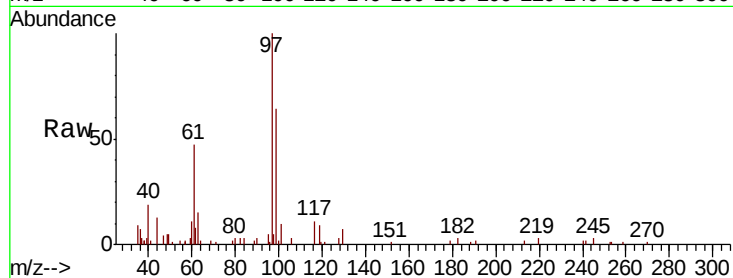
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	29268
Ion Ratio	Lower	Upper	
97	100		
99	66.1	52.1	78.1
61	54.2	42.6	64.0

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

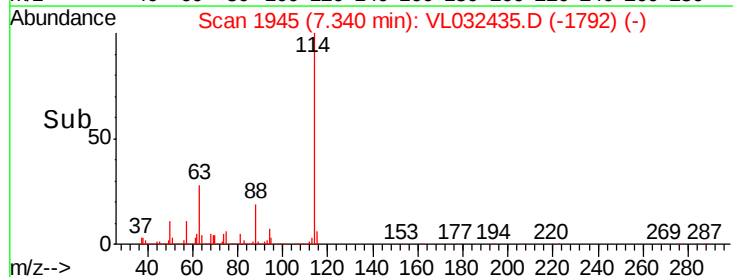
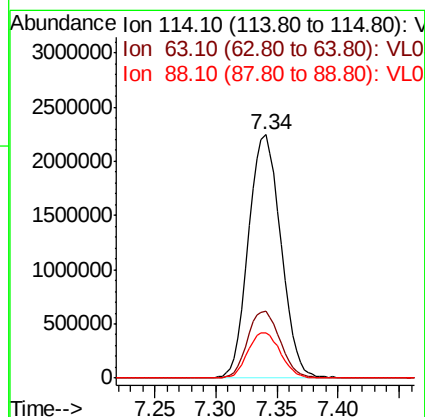
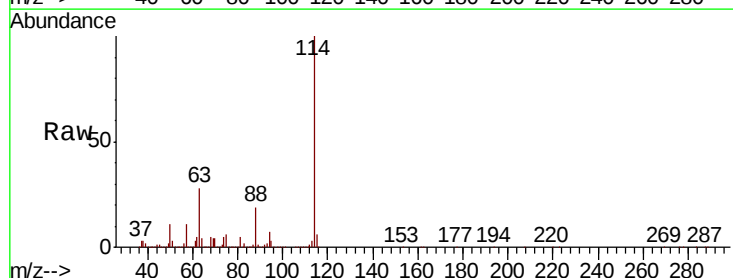
RT: 7.34 min Scan# 1945

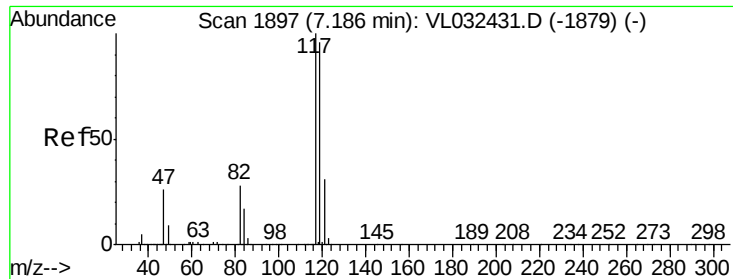
Delta R.T. -0.01 min

Lab File: VL032435.D

Acq: 31 Aug 2018 3:07

Tgt Ion:	114	Resp:	4108033
Ion Ratio	Lower	Upper	
114	100		
63	27.8	22.1	33.1
88	18.8	15.0	22.6





#35

Carbon Tetrachloride

Concen: 0.11 ppbv m

RT: 7.18 min Scan# 1894

Delta R.T. -0.01 min

Lab File: VL032435.D

Acq: 31 Aug 2018 3:07

Instrument :

MSVOA_L

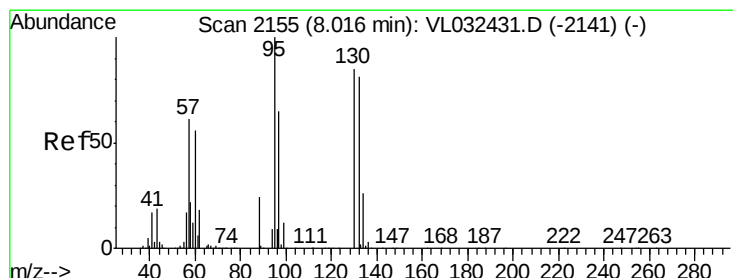
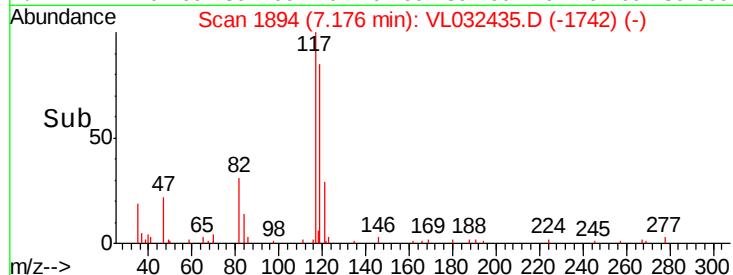
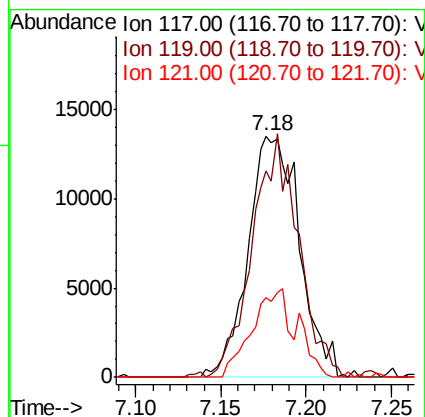
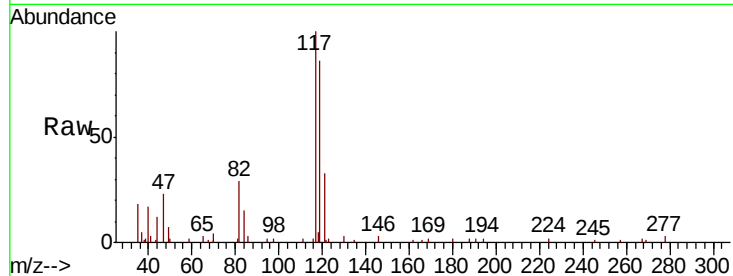
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	28236
Ion Ratio	Lower	Upper	
117	100		
119	85.7	76.6	115.0
121	33.1	24.6	36.8

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#38

Trichloroethene

Concen: 0.11 ppbv m

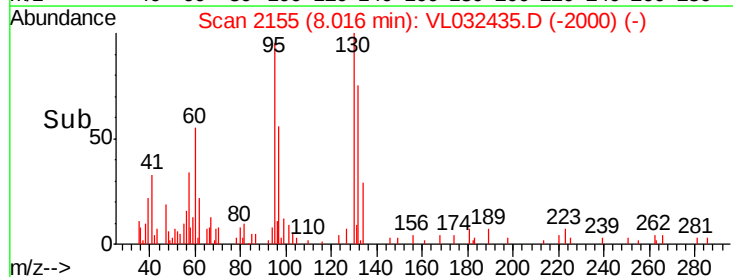
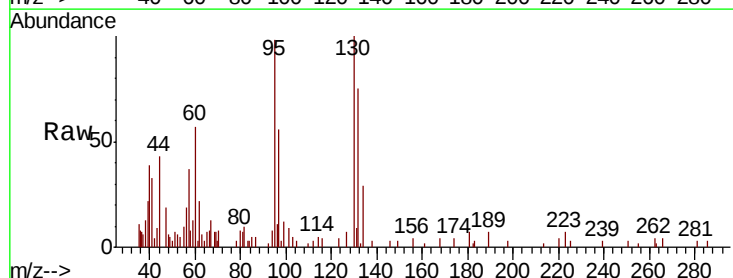
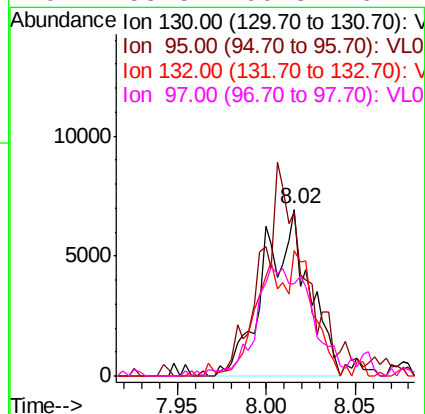
RT: 8.02 min Scan# 2155

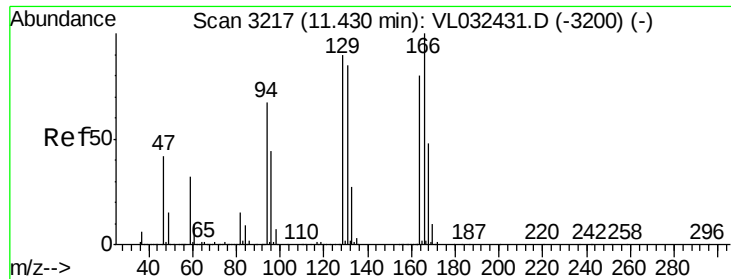
Delta R.T. -0.00 min

Lab File: VL032435.D

Acq: 31 Aug 2018 3:07

Tgt Ion:	130	Resp:	12287
Ion Ratio	Lower	Upper	
130	100		
95	98.1	94.2	141.4
132	75.0	76.2	114.4#
97	55.5	60.8	91.2#





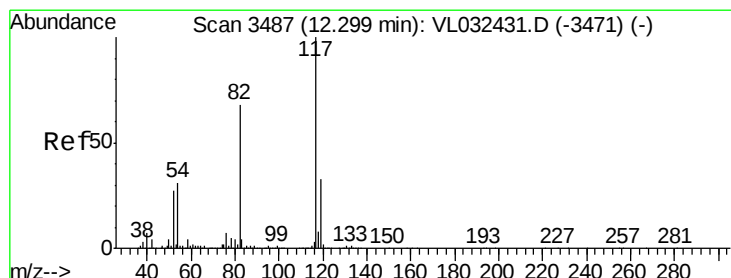
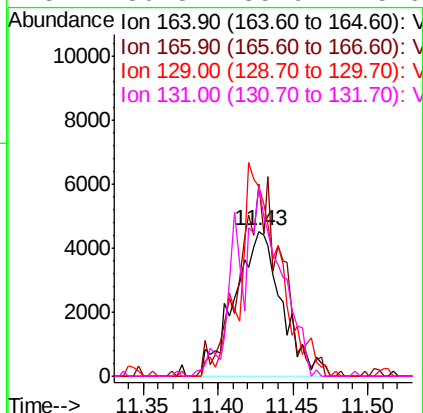
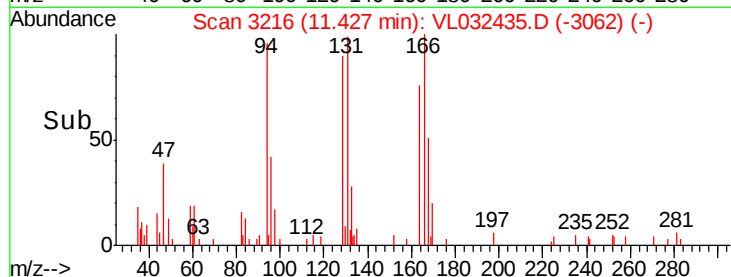
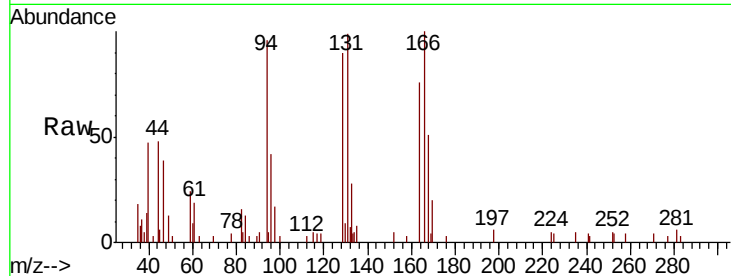
#52
Tetrachloroethene
Concen: 0.10 ppbv m
RT: 11.43 min Scan# 3216
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.3	100.6	150.8
129	119.2	89.9	134.9
131	130.8	85.9	128.9#

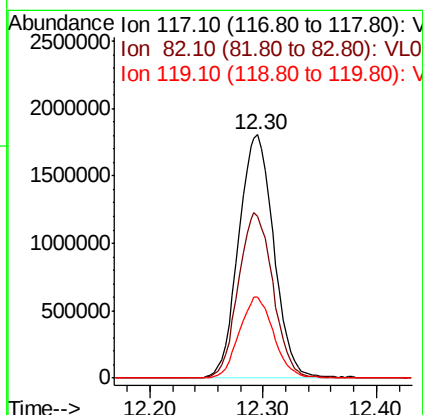
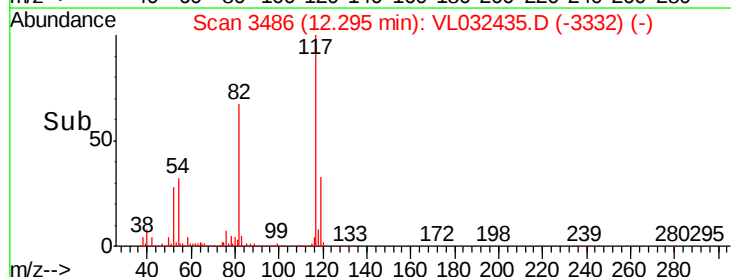
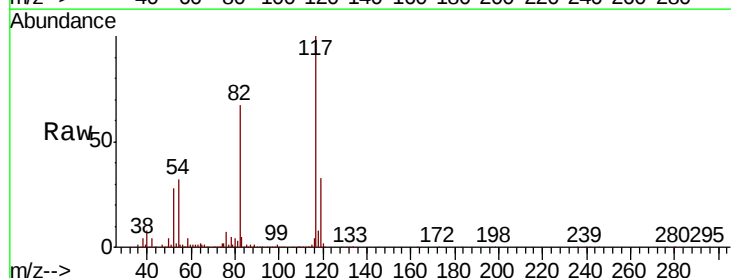
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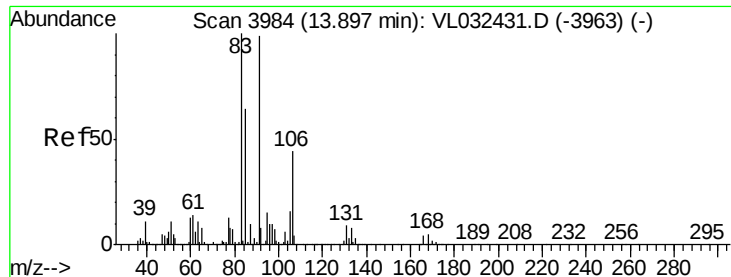
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.30 min Scan# 3486
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.3	51.5	77.3
119	32.7	44.6	66.8#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.11 ppbv m

RT: 13.89 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VL032435.D

Acq: 31 Aug 2018 3:07

Instrument :

MSVOA_L

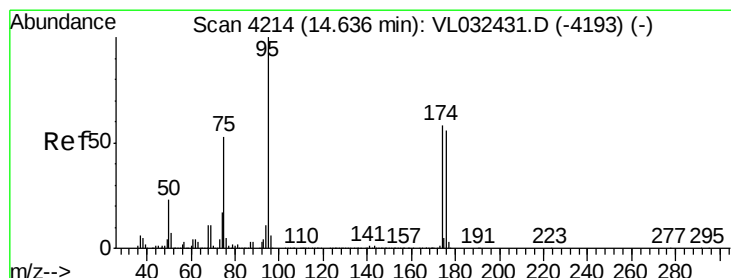
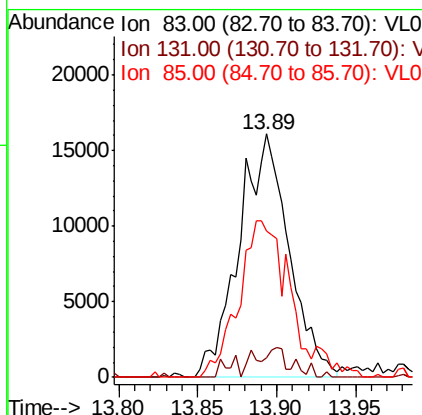
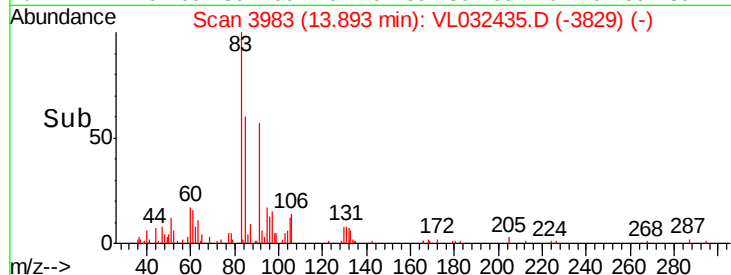
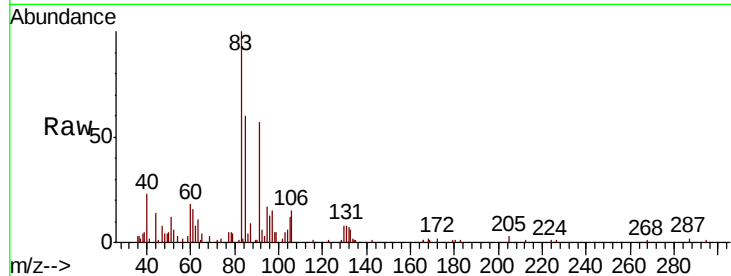
ClientSampleId :

VSTDIC0.1

Tot Ion:	83	Resp:	35756
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.3	12.8
85	66.8	32.3	96.8

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.17 ppbv

RT: 14.63 min Scan# 4212

Delta R.T. -0.01 min

Lab File: VL032435.D

Acq: 31 Aug 2018 3:07

Tgt Ion:	95	Resp:	2963442
Ion Ratio	Lower	Upper	
95	100		
174	57.6	46.3	69.5
175	4.1	3.4	5.0

