

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032631.D
 Acq On : 17 Oct 2018 5:19
 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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 10/19/2018 4:36:27 PM

Quant Time: Oct 17 07:00:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 07:00:11 2018
 QLast Update : Wed Oct 17 05:31:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1238979	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2682350	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2579221	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1981299	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.31	62	5427	0.10	ppbv	# 77
32) 1,1,1-Trichloroethane	6.63	97	21037	0.11	ppbv	100
35) Carbon Tetrachloride	7.15	117	21325m	0.11	ppbv	
38) Trichloroethene	7.97	130	7388m	0.09	ppbv	
52) Tetrachloroethene	11.39	164	6990m	0.10	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.86	83	22460m	0.10	ppbv	

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

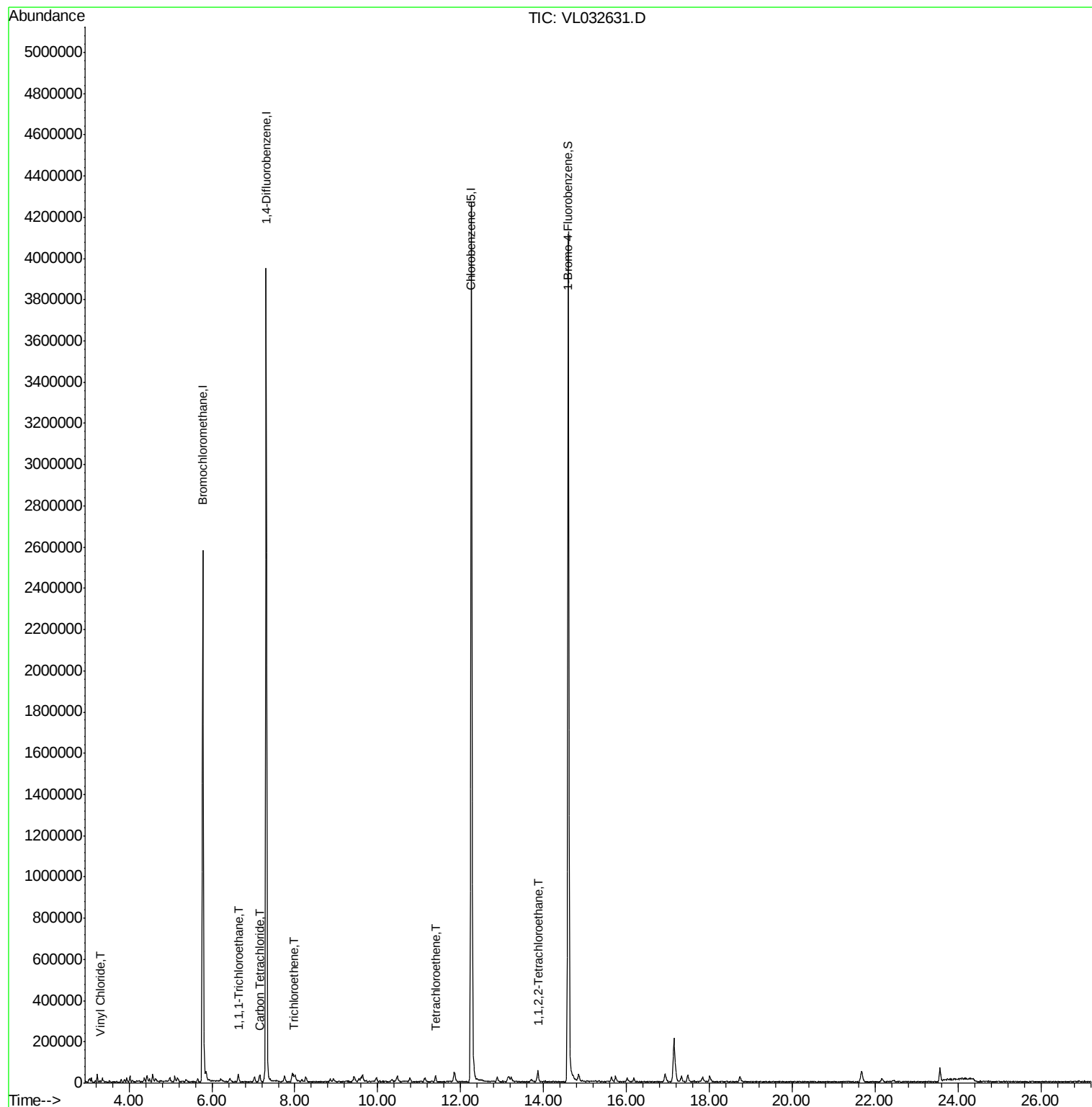
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
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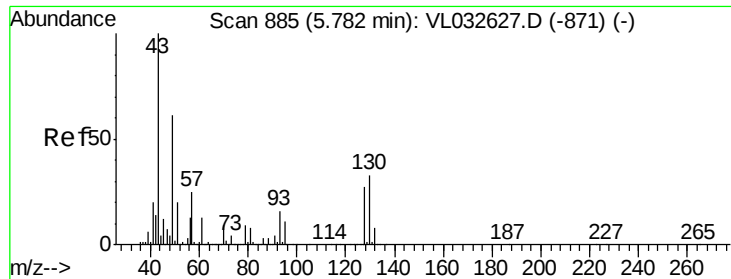
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 17 05:31:40 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCO.1

Tgt Ion: 49 Resp: 1238979

Ion Ratio Lower Upper

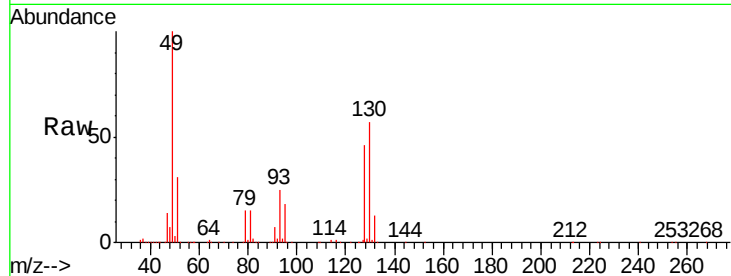
49 100

128 46.2 22.3 66.8

130 58.8 28.4 85.3

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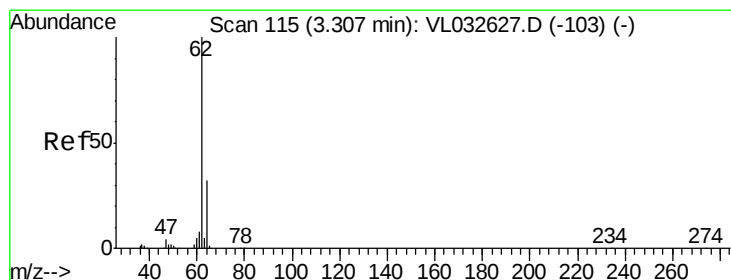
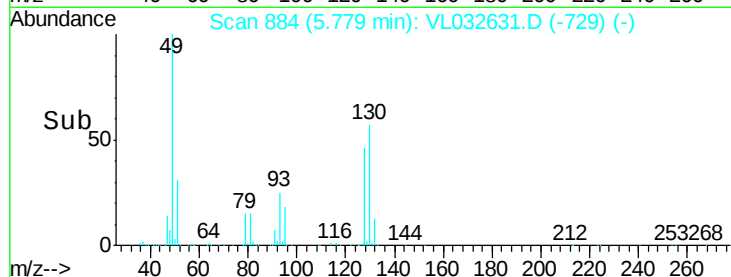
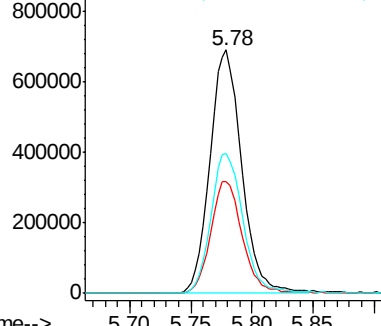
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.10 ppbv

RT: 3.31 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL032631.D

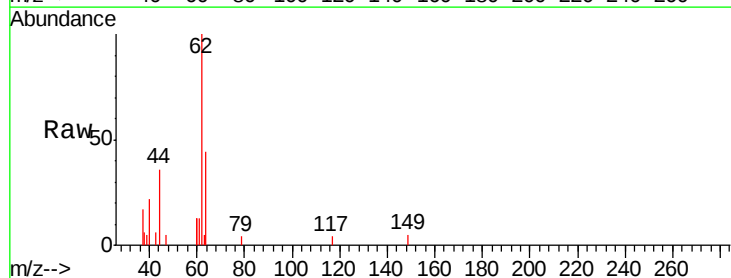
Acq: 17 Oct 2018 5:19

Tgt Ion: 62 Resp: 5427

Ion Ratio Lower Upper

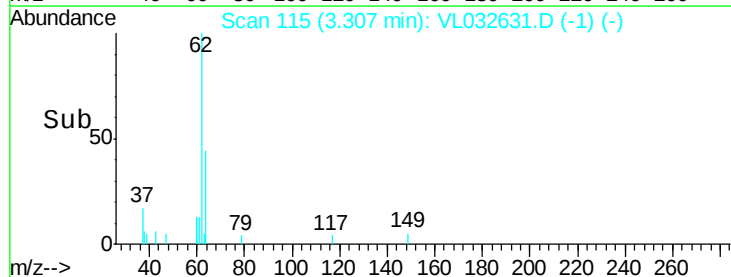
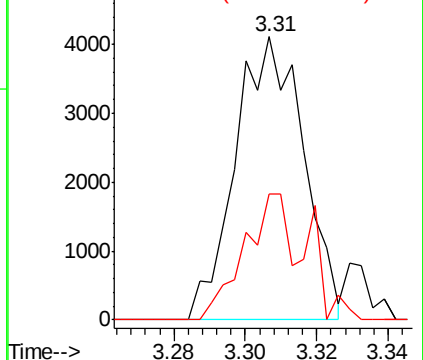
62 100

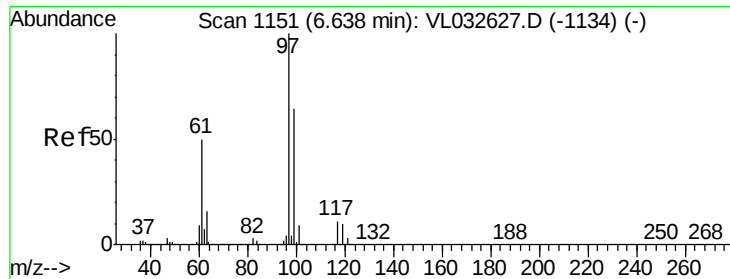
64 44.5 25.5 38.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





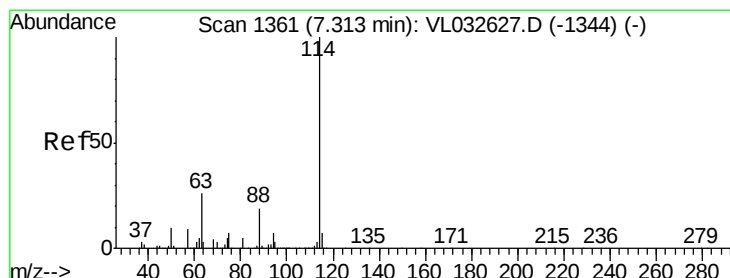
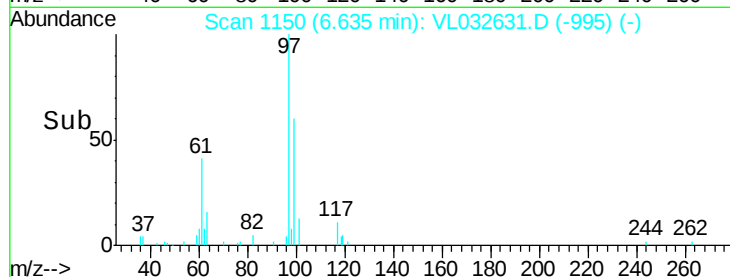
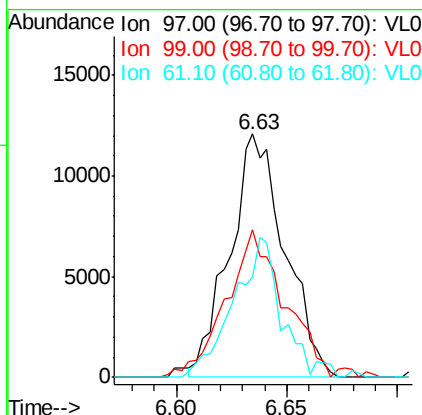
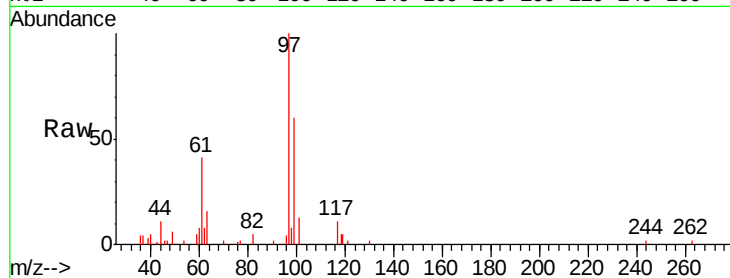
#32
 1,1,1-Trichloroethane
 Concen: 0.11 ppbv
 RT: 6.63 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	50.6	40.7	61.1

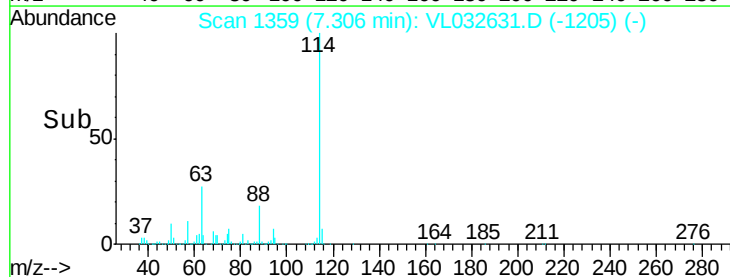
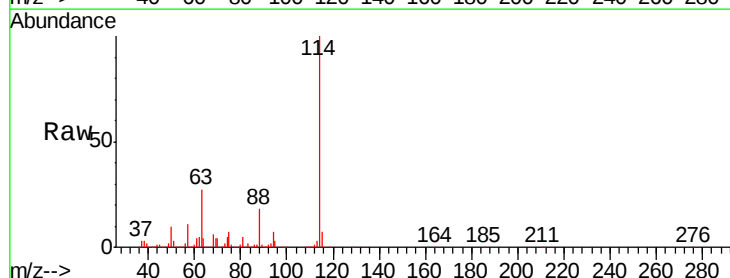
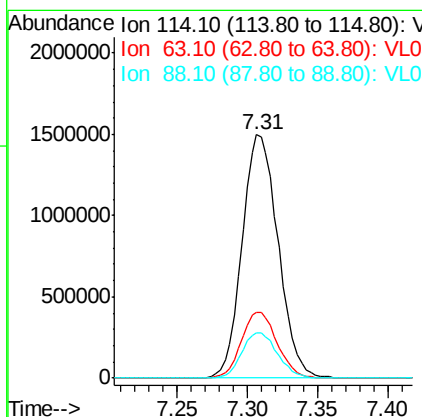
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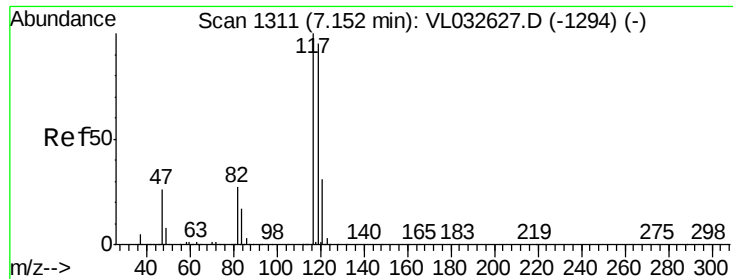
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#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.7	32.5
88	18.6	14.9	22.3





#35

Carbon Tetrachloride

Concen: 0.11 ppbv m

RT: 7.15 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

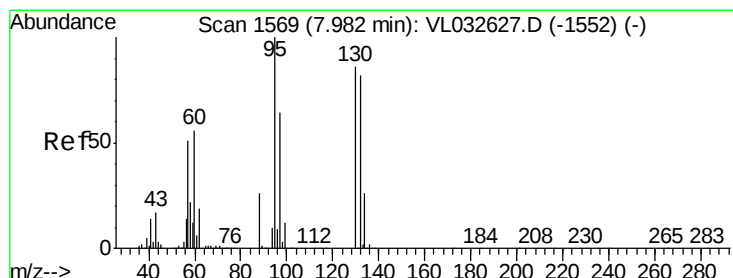
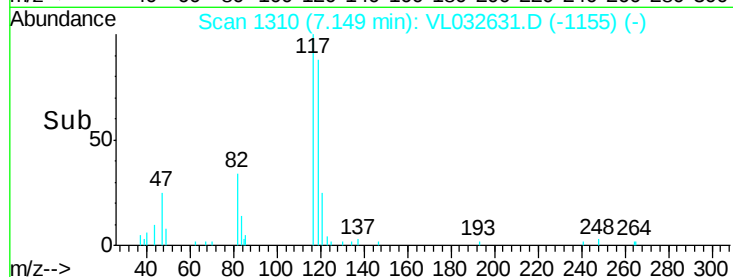
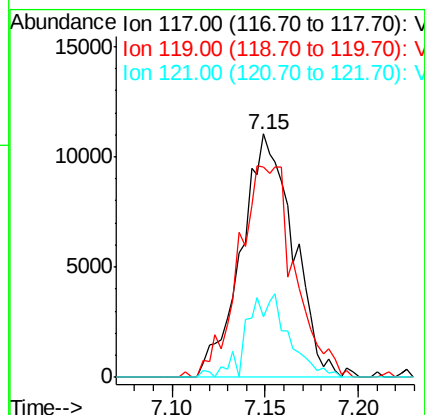
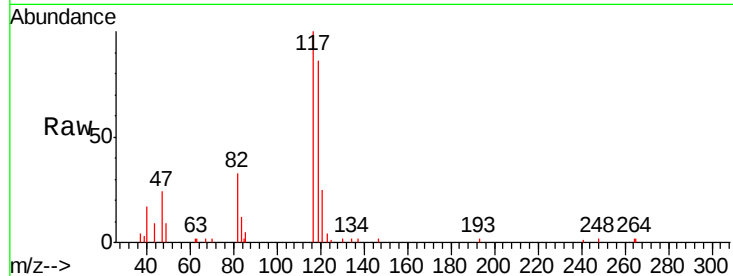
ClientSampleId :

VSTDIC0.1

Tgt Ion:	117	Resp:	21325
Ion Ratio	Lower	Upper	
117	100		
119	86.2	75.7	113.5
121	24.8	24.7	37.1

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#38

Trichloroethene

Concen: 0.09 ppbv m

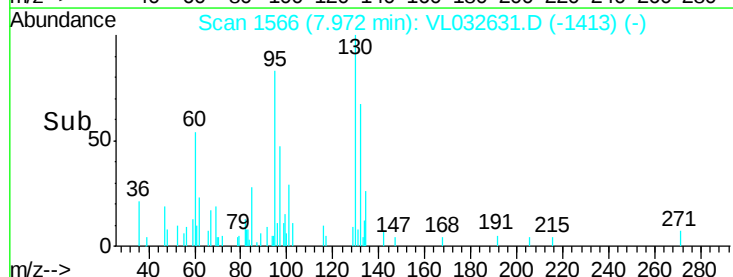
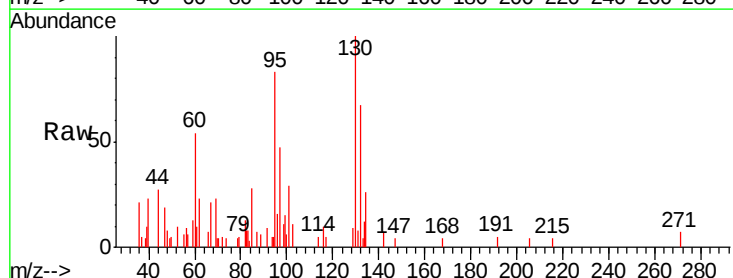
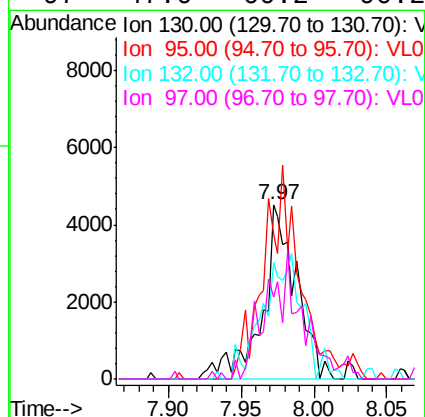
RT: 7.97 min Scan# 1566

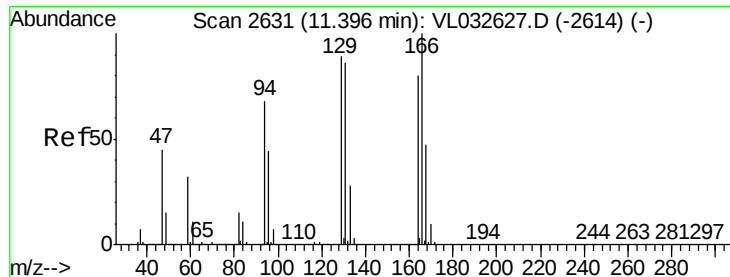
Delta R.T. -0.01 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Tgt Ion:	130	Resp:	7388
Ion Ratio	Lower	Upper	
130	100		
95	83.4	93.4	140.0#
132	66.6	76.5	114.7#
97	47.0	60.2	90.2#





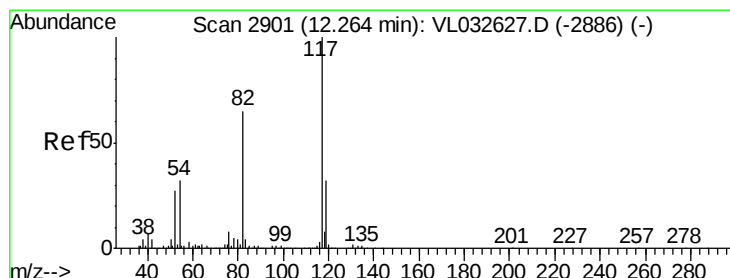
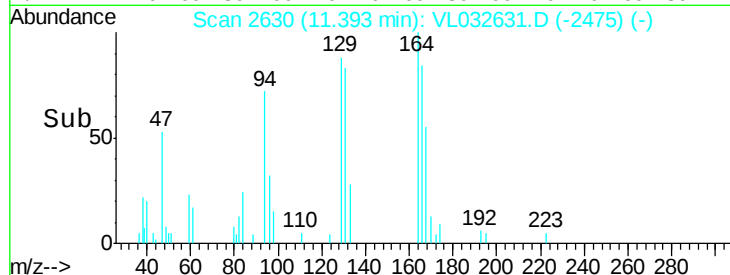
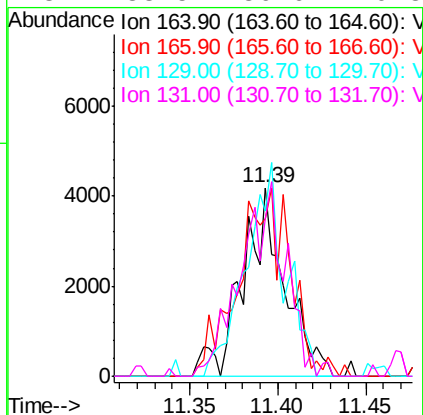
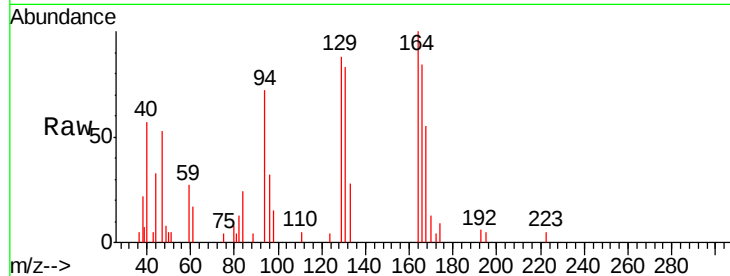
#52
Tetrachloroethene
Concen: 0.10 ppbv m
RT: 11.39 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
164	100		
166	83.9	100.5	150.7#
129	87.8	90.0	135.0#
131	83.5	86.6	129.8#

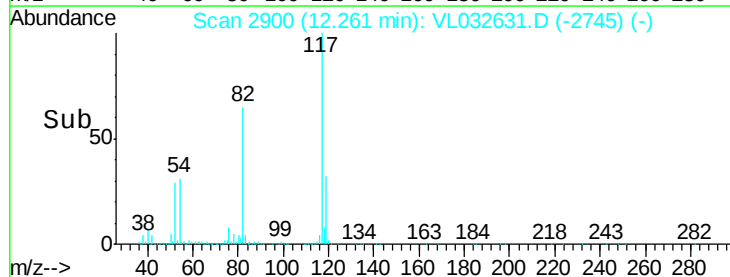
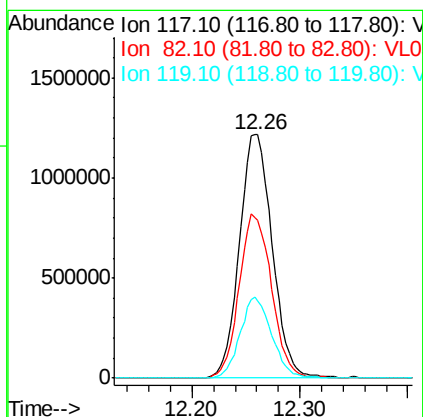
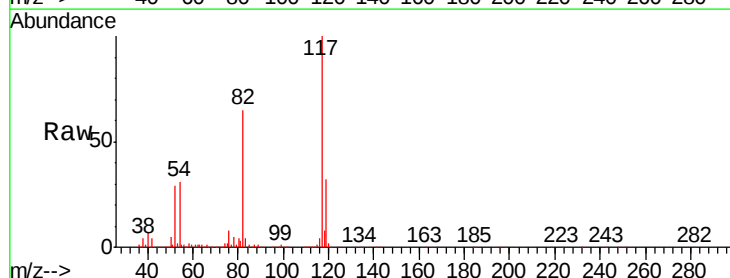
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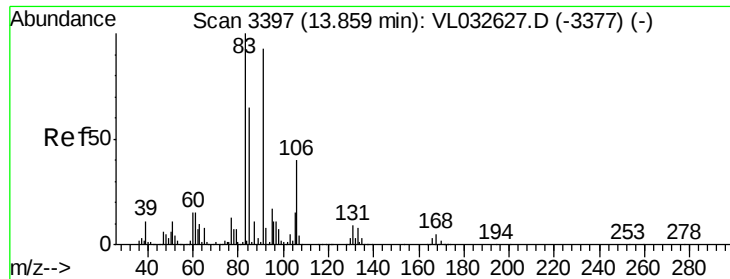
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.1	52.7	79.1
119	32.2	26.7	40.1





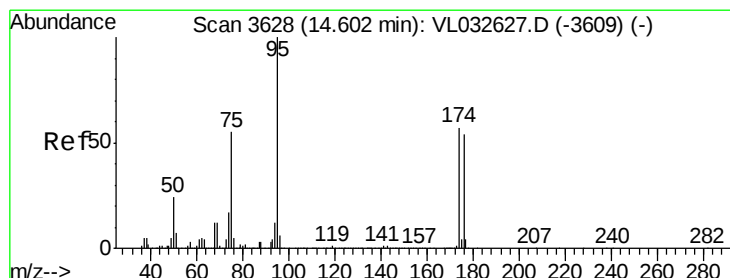
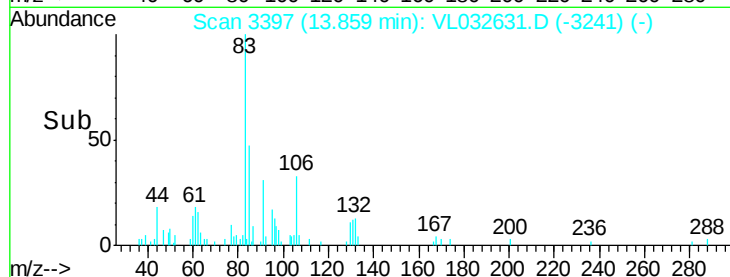
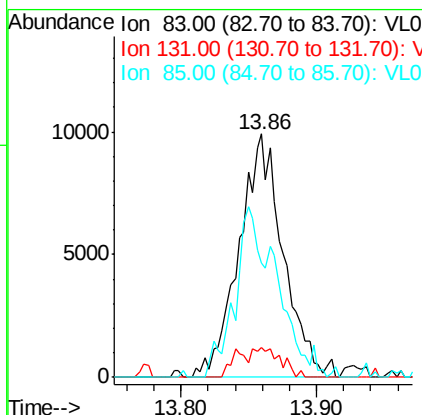
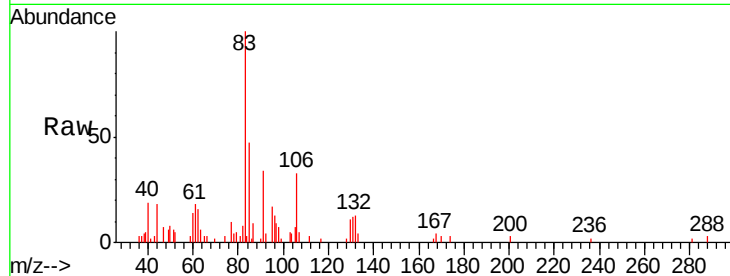
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.10 ppbv m
 RT: 13.86 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.8	4.3	12.9
85	67.1	32.3	96.9

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.15 ppbv
 RT: 14.59 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	59.1	46.0	69.0
175	4.1	3.4	5.0

