

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032924.D
 Acq On : 7 Dec 2018 6:11
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:08:20 AM

Quant Time: Dec 07 07:25:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Dec 07 07:25:28 2018
 QLast Update : Fri Dec 07 05:41:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1283136	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3045142	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2829263	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2129443	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.30	62	5960	0.103	ppbv	93
32) 1,1,1-Trichloroethane	6.62	97	21724m	0.092	ppbv	
35) Carbon Tetrachloride	7.14	117	24055m	0.106	ppbv	
38) Trichloroethene	7.96	130	7742m	0.081	ppbv	
52) Tetrachloroethene	11.37	164	7353m	0.082	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.85	83	19904m	0.093	ppbv	

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

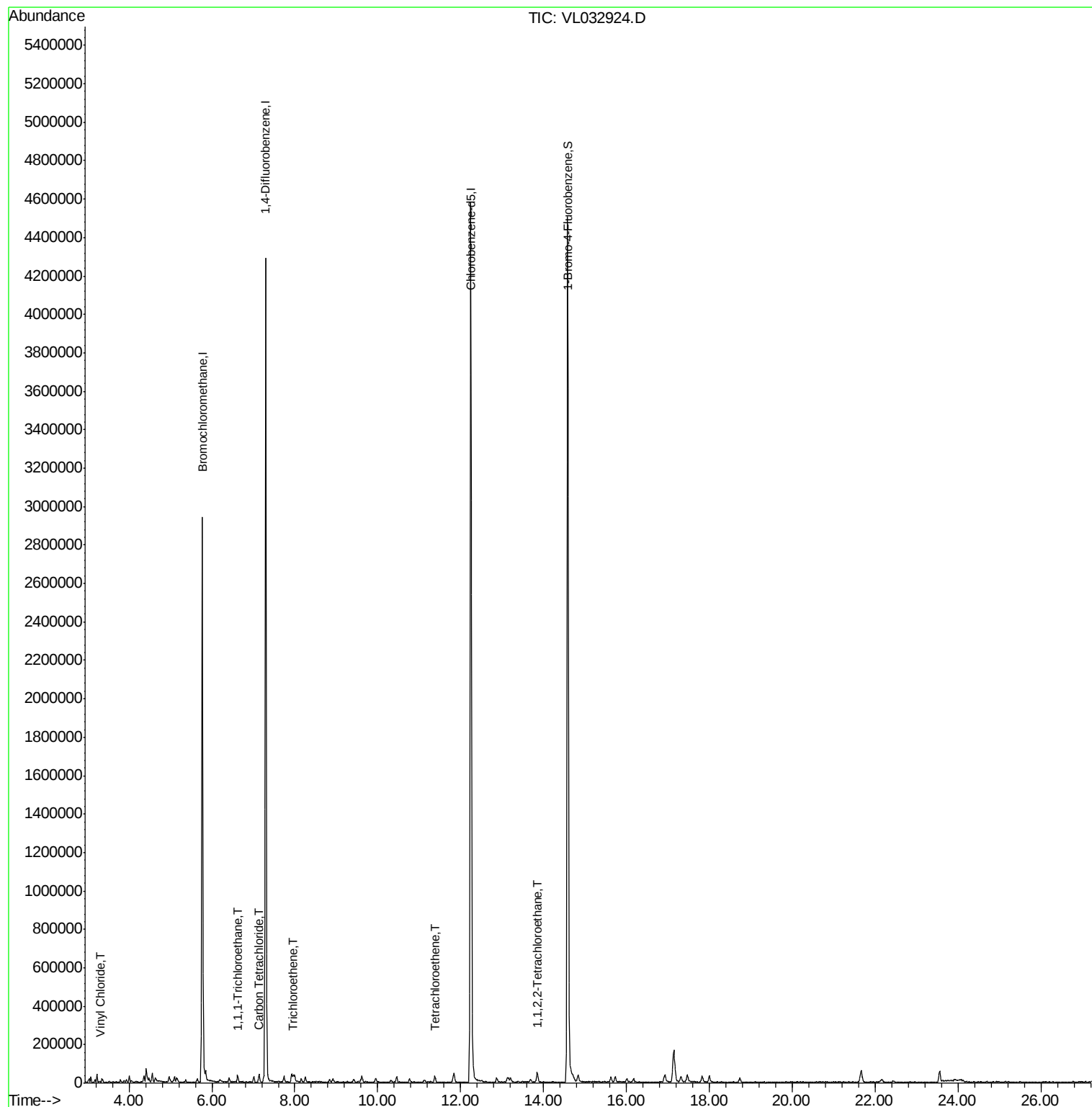
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
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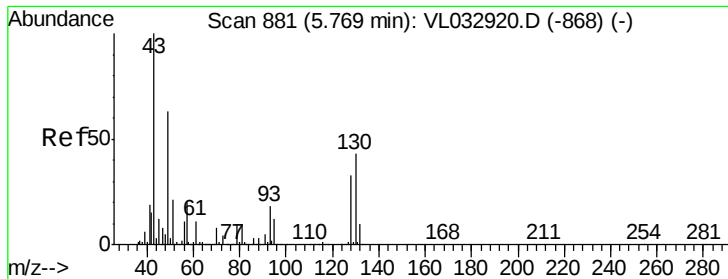
Instrument :
MSVOA_L
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VSTDIC0.1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL032924.D

Acq: 7 Dec 2018 6:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCO.1

Tgt Ion: 49 Resp: 1283136

Ion Ratio Lower Upper

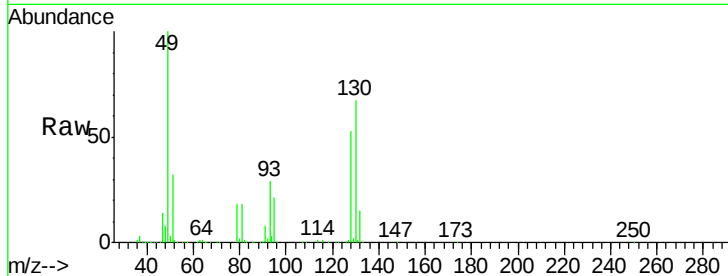
49 100

128 52.4 26.3 78.8

130 67.3 33.9 101.7

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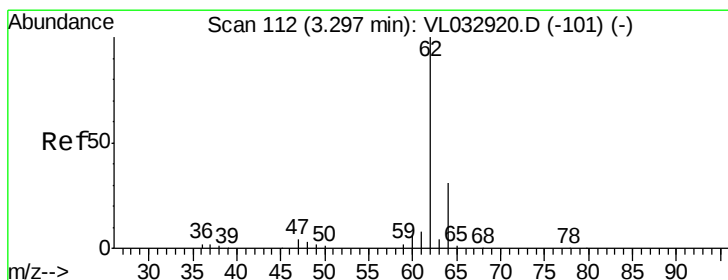
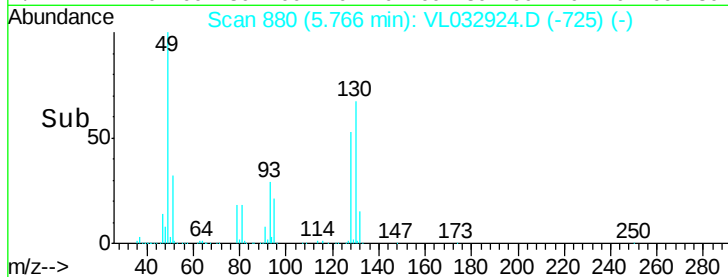
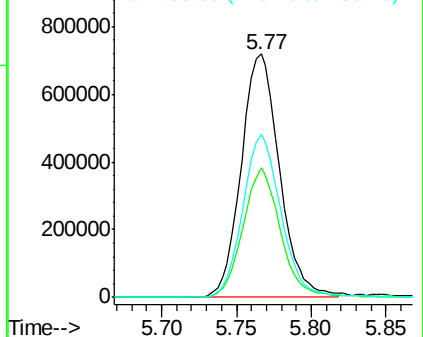
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.103 ppbv

RT: 3.30 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL032924.D

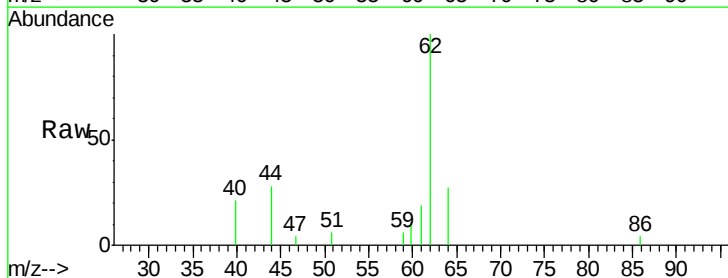
Acq: 7 Dec 2018 6:11

Tgt Ion: 62 Resp: 5960

Ion Ratio Lower Upper

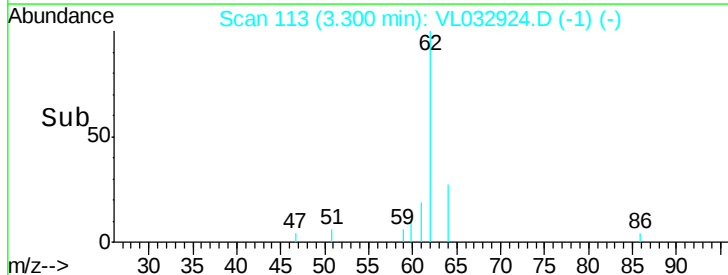
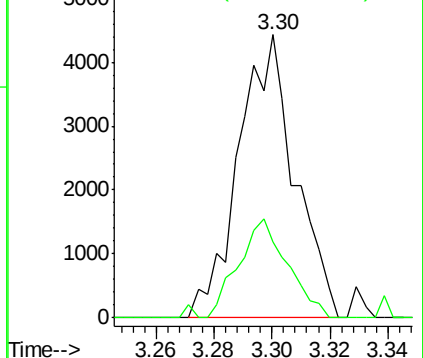
62 100

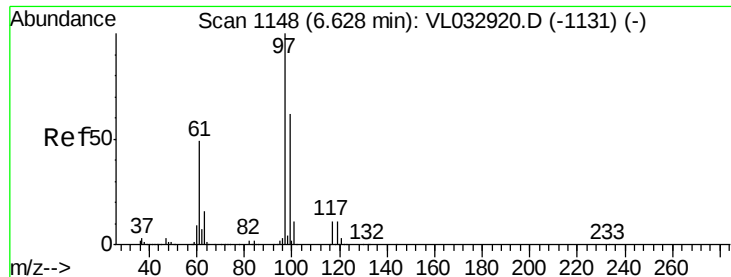
64 27.0 24.8 37.2



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: 0.092 ppbv m

RT: 6.62 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VL032924.D

Acq: 7 Dec 2018 6:11

Instrument :

MSVOA_L

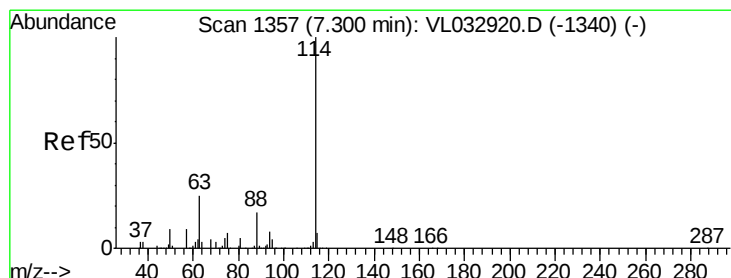
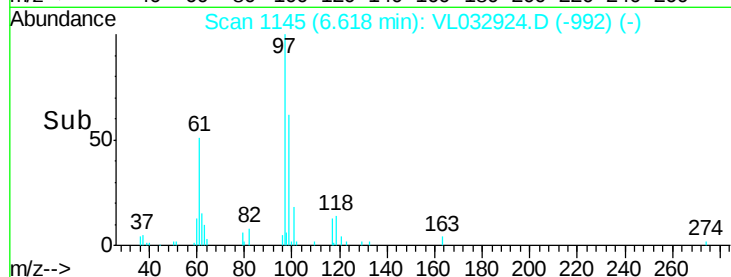
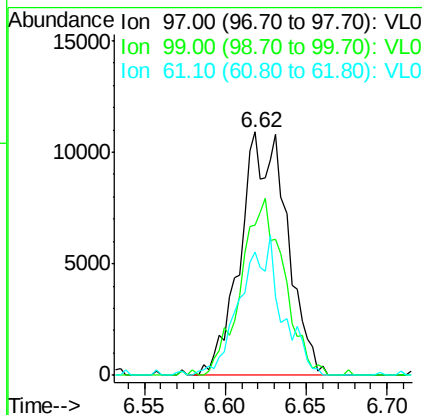
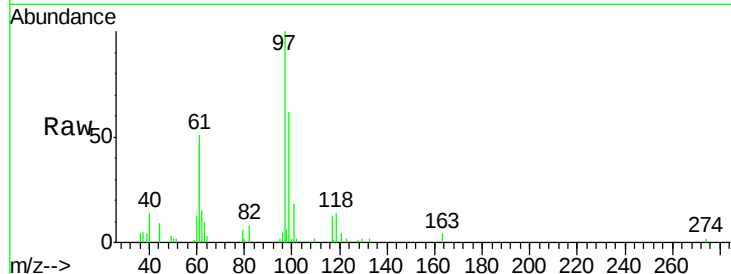
ClientSampleId :

VSTDIC0.1

Tgt Ion:	97	Resp:	21724
Ion	Ratio	Lower	Upper
97	100		
99	67.3	51.1	76.7
61	50.2	39.3	58.9

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

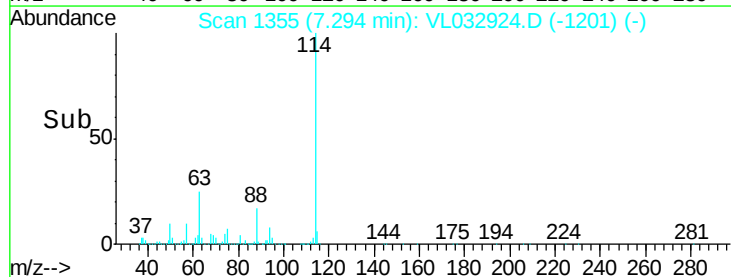
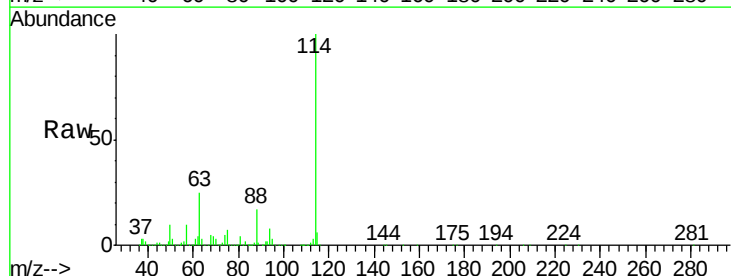
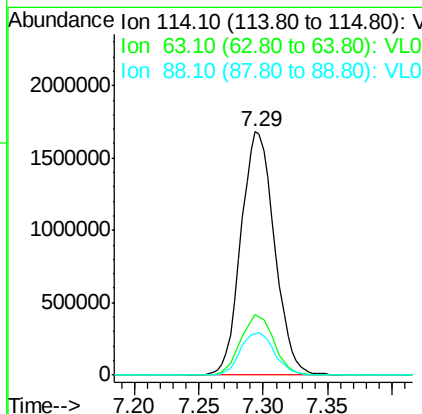
RT: 7.29 min Scan# 1355

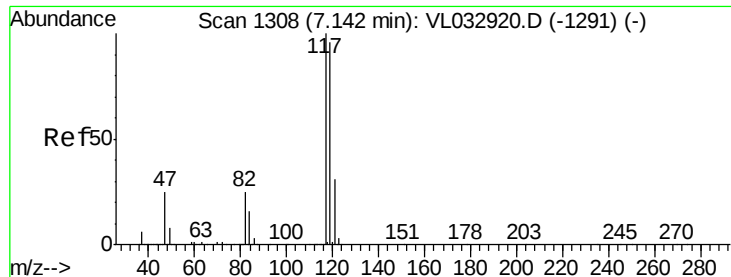
Delta R.T. -0.01 min

Lab File: VL032924.D

Acq: 7 Dec 2018 6:11

Tgt Ion:	114	Resp:	3045142
Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.1	30.1
88	17.7	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.106 ppbv m

RT: 7.14 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL032924.D

Acq: 7 Dec 2018 6:11

Instrument :

MSVOA_L

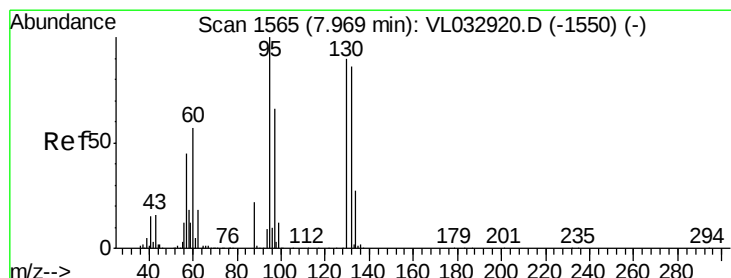
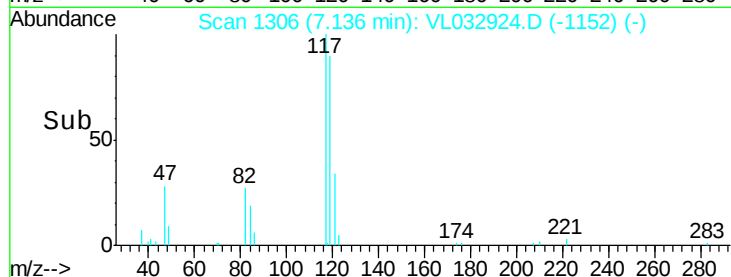
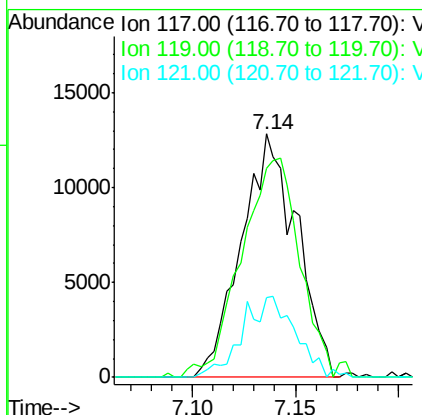
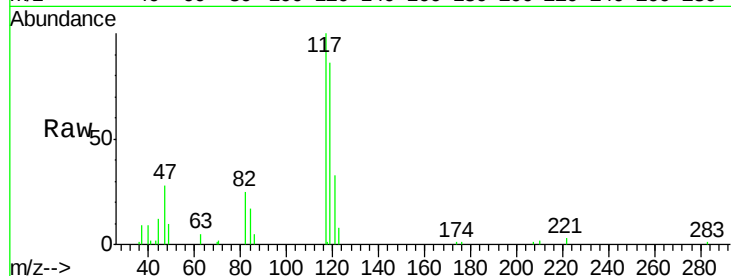
ClientSampleId :

VSTDIC0.1

Tgt Ion:	117	Resp:	24055
Ion Ratio	Lower	Upper	
117	100		
119	85.6	76.5	114.7
121	32.9	24.5	36.7

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#38

Trichloroethene

Concen: 0.081 ppbv m

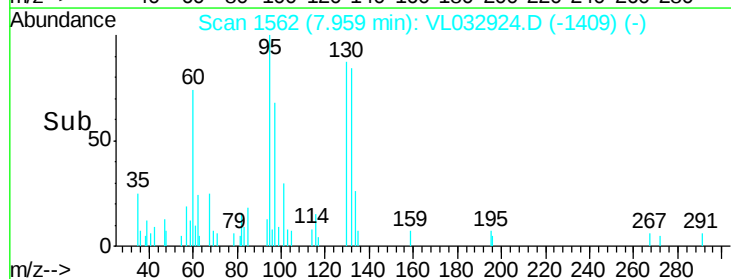
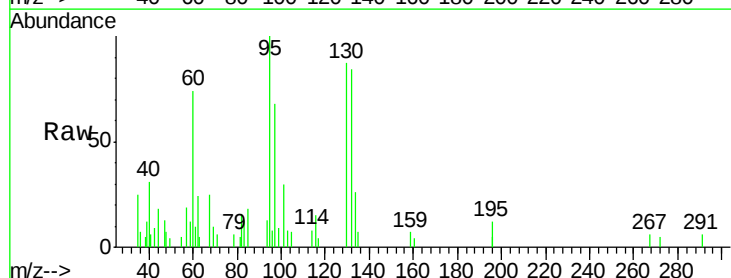
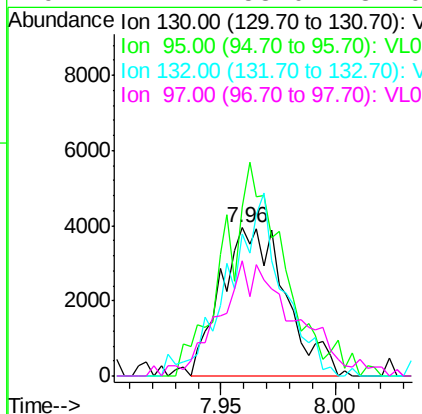
RT: 7.96 min Scan# 1562

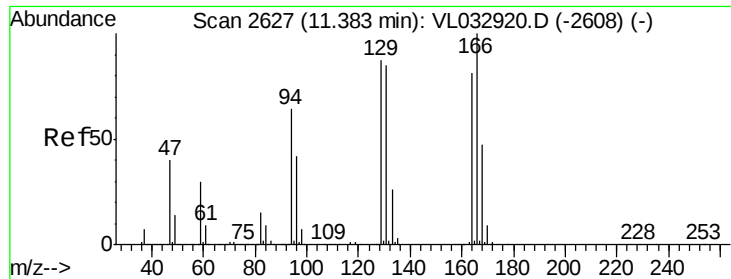
Delta R.T. -0.01 min

Lab File: VL032924.D

Acq: 7 Dec 2018 6:11

Tgt Ion:	130	Resp:	7742
Ion Ratio	Lower	Upper	
130	100		
95	114.7	88.6	132.8
132	96.2	76.1	114.1
97	77.7	58.0	87.0





#52

Tetrachloroethene

Concen: 0.082 ppbv m

RT: 11.37 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL032924.D

Acq: 7 Dec 2018 6:11

Instrument :

MSVOA_L

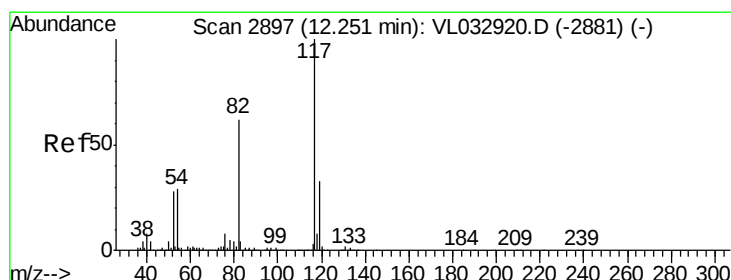
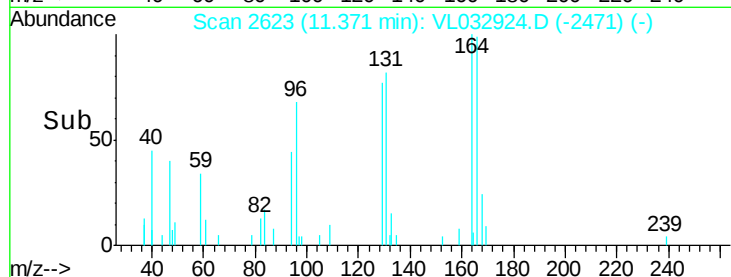
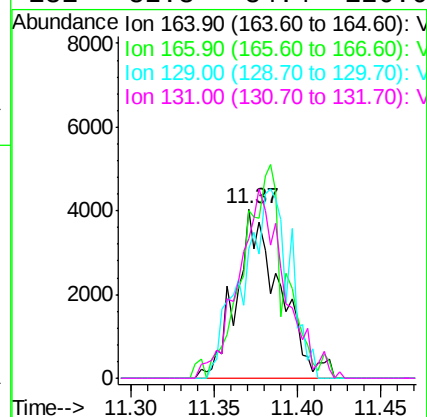
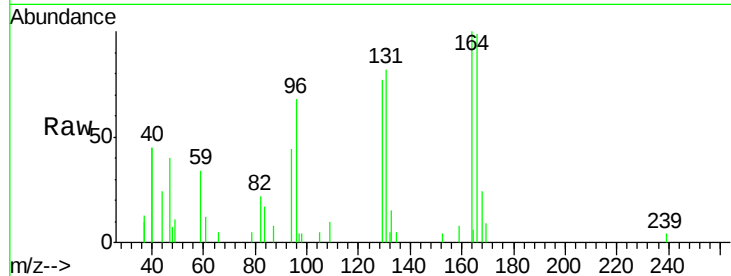
ClientSampleId :

VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
164	100		
166	98.9	98.8	148.2
129	76.6	85.5	128.3#
131	82.3	84.4	126.6#

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

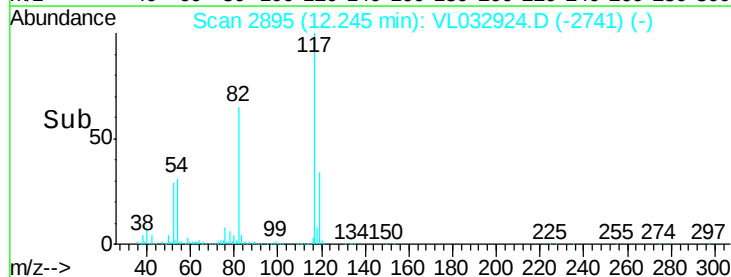
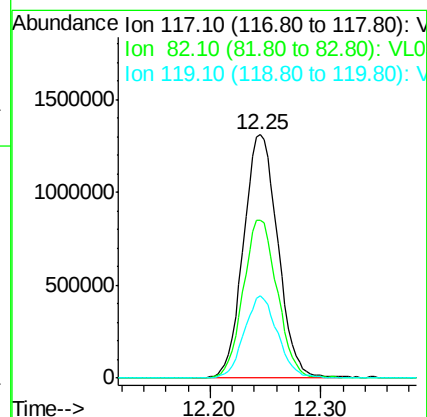
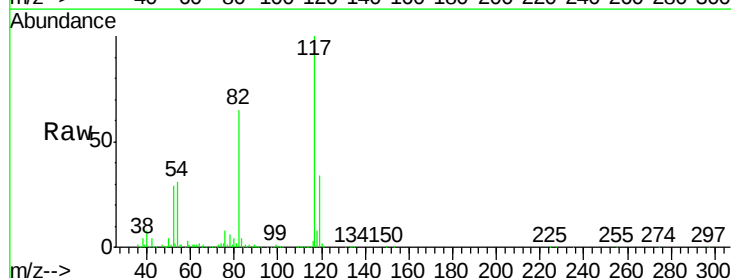
RT: 12.25 min Scan# 2895

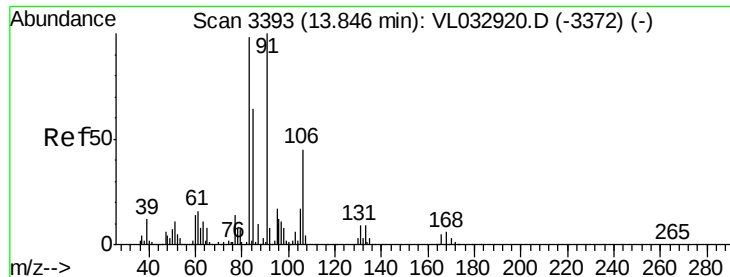
Delta R.T. -0.01 min

Lab File: VL032924.D

Acq: 7 Dec 2018 6:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.8	47.8	71.8
119	33.0	43.1	64.7#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.093 ppbv m

RT: 13.85 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VL032924.D

Acq: 7 Dec 2018 6:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 83 Resp: 19904

Ion Ratio Lower Upper

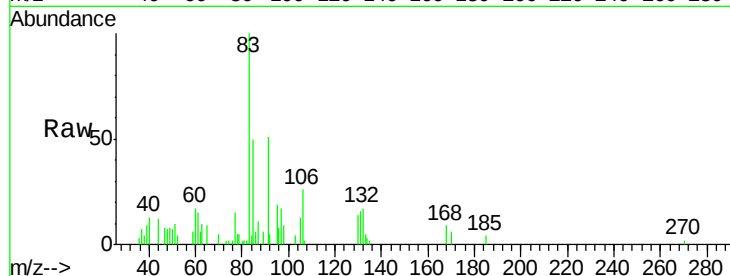
83 100

131 0.0 4.9 14.6#

85 68.4 32.9 98.6

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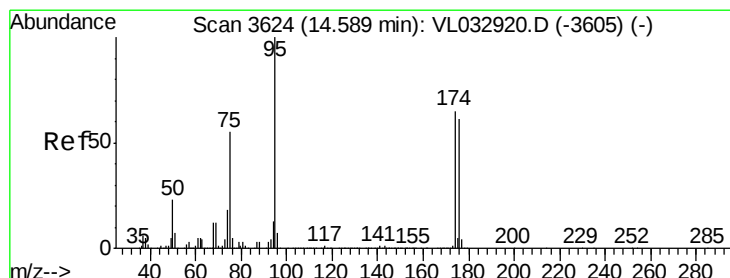
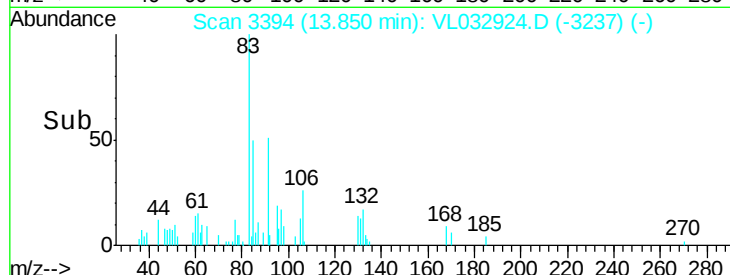
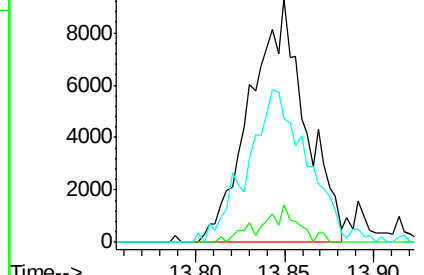
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.306 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL032924.D

Acq: 7 Dec 2018 6:11

Tgt Ion: 95 Resp: 2129443

Ion Ratio Lower Upper

95 100

174 65.4 51.4 77.0

175 4.8 3.8 5.6

Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

