

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032519.D
 Acq On : 24 Sep 2018 19:40
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
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Quant Time: Sep 24 21:11:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 24 2018
 QLast Update : Mon Sep 24 18:32:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1525295	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3436942	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3426390	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2588688	10.18	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.31	62	2827m	0.034	ppbv	
32) 1,1,1-Trichloroethane	6.65	97	9104m	0.044	ppbv	
35) Carbon Tetrachloride	7.16	117	9073m	0.039	ppbv	
38) Trichloroethene	8.00	130	3432m	0.031	ppbv	
52) Tetrachloroethene	11.40	164	3374m	0.037	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.87	83	11573m	0.036	ppbv	

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

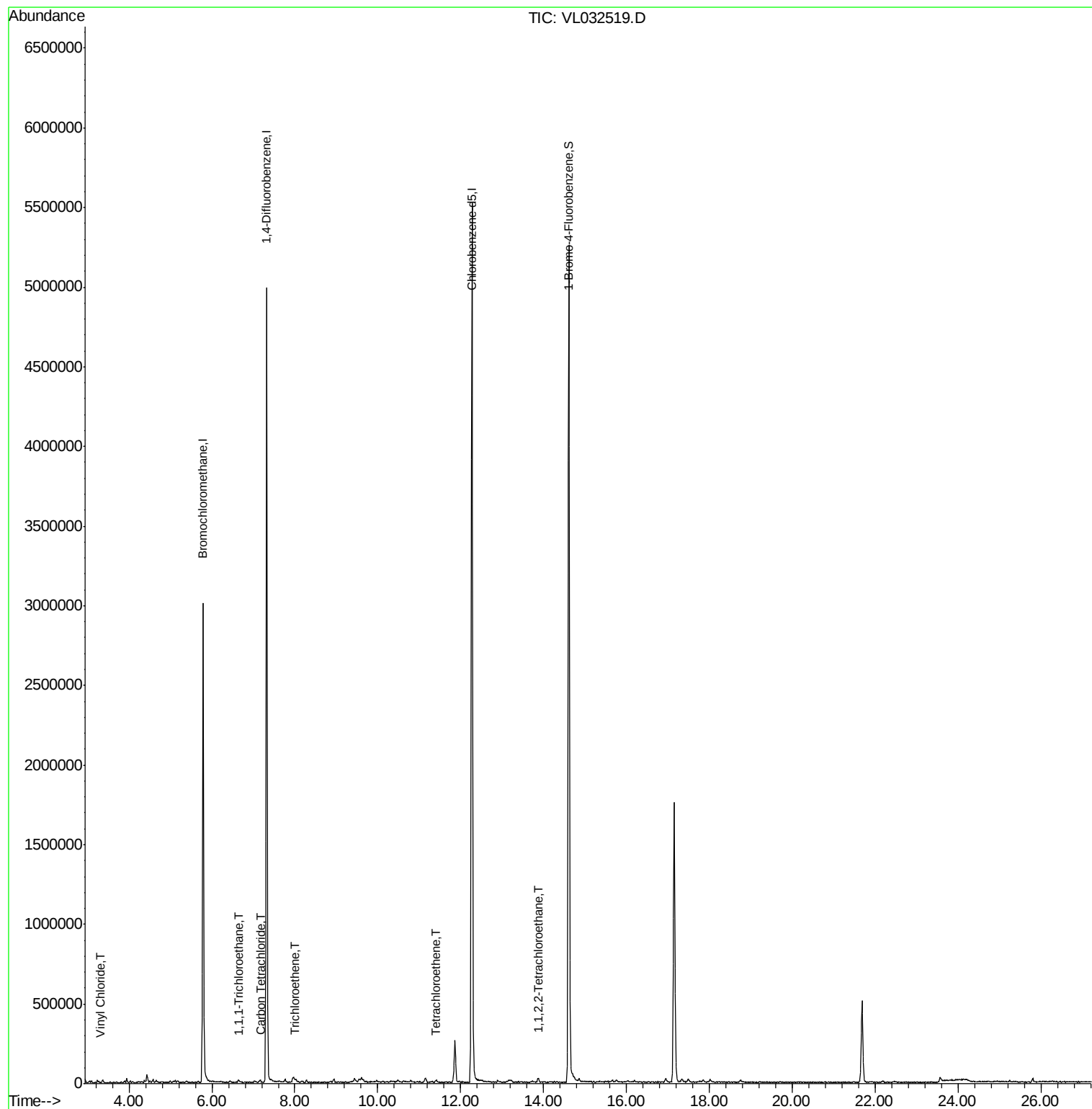
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092418\
Data File : VL032519.D
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Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

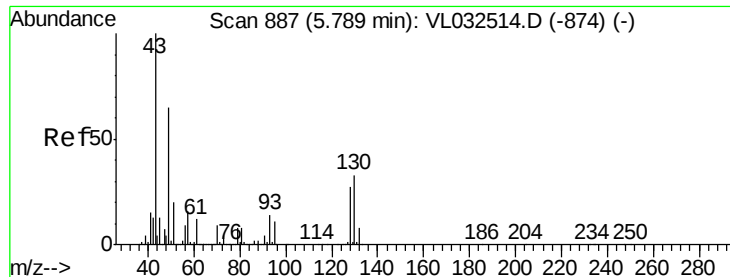
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Sep 24 21:11:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 24 18:32:13 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032519.D

Acq: 24 Sep 2018 19:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1525295

Ion Ratio Lower Upper

49 100

128 43.2 20.7 62.1

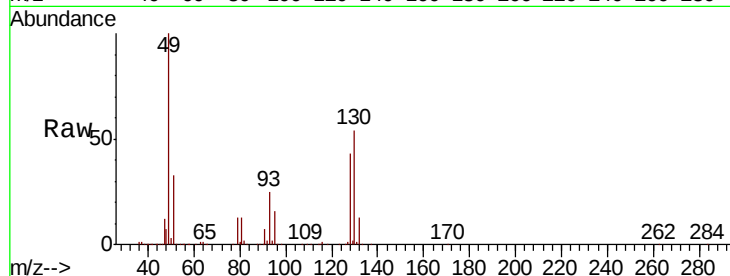
130 55.3 26.6 79.7

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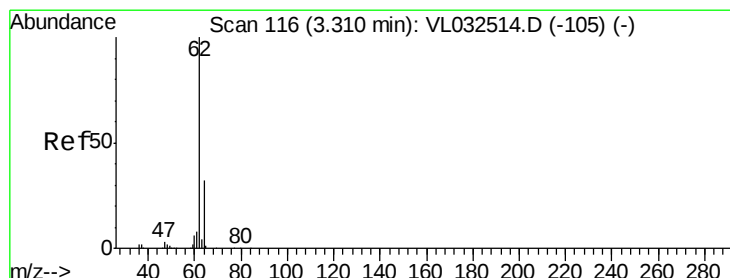
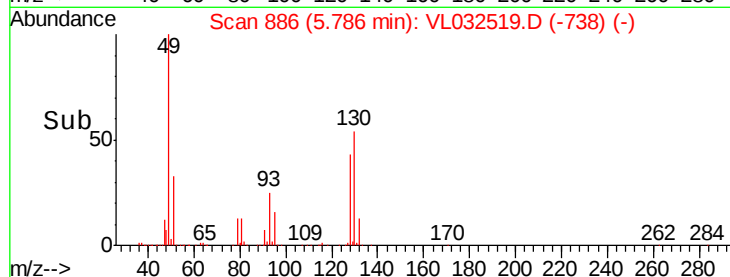
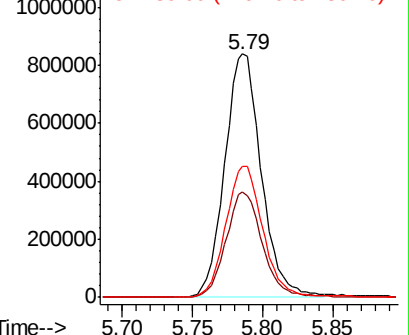
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.034 ppbv m

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032519.D

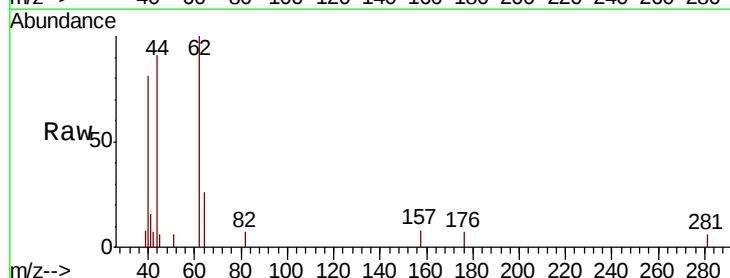
Acq: 24 Sep 2018 19:40

Tgt Ion: 62 Resp: 2827

Ion Ratio Lower Upper

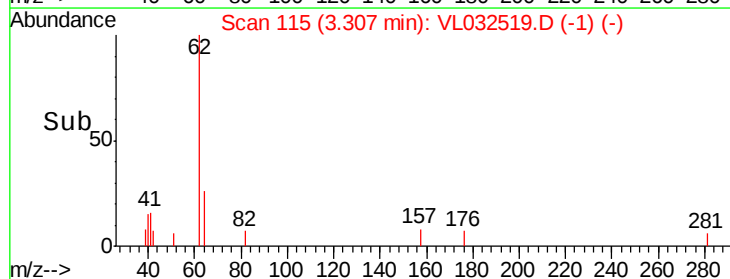
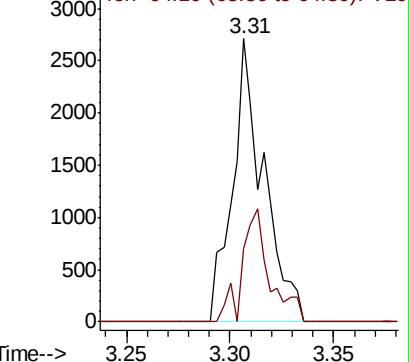
62 100

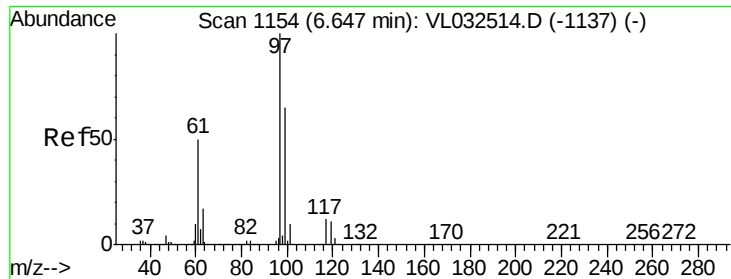
64 25.8 25.0 37.6



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: 0.044 ppbv m

RT: 6.65 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL032519.D

Acq: 24 Sep 2018 19:40

Instrument :

MSVOA_L

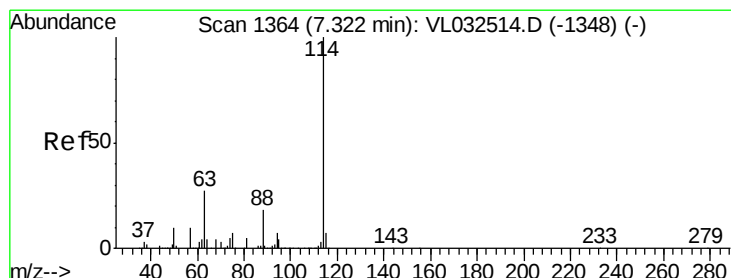
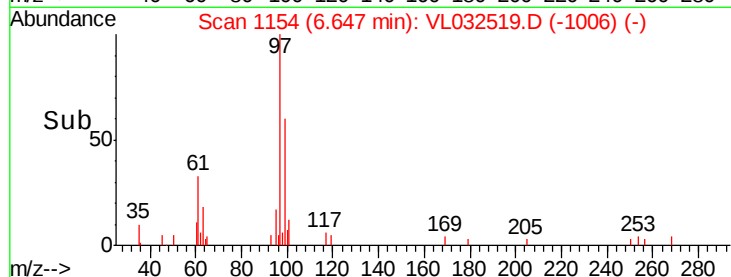
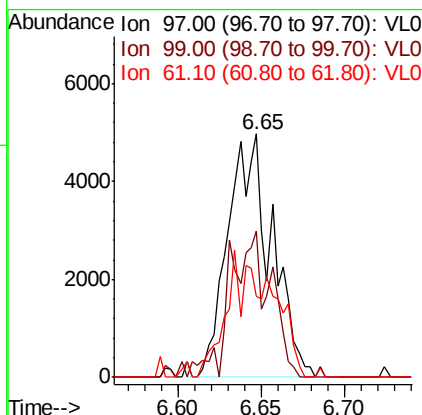
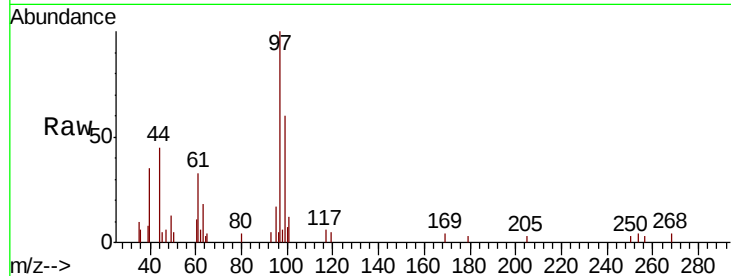
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	9104
Ion Ratio	Lower	Upper	
97	100		
99	57.3	52.1	78.1
61	0.0	42.5	63.7#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

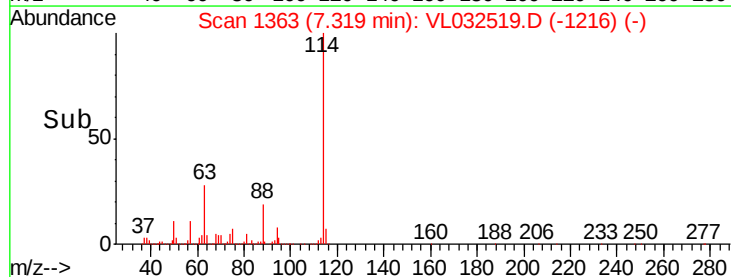
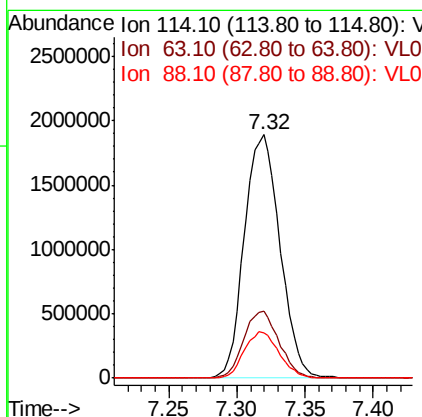
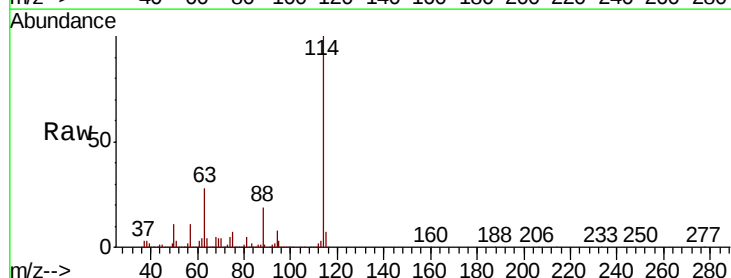
RT: 7.32 min Scan# 1363

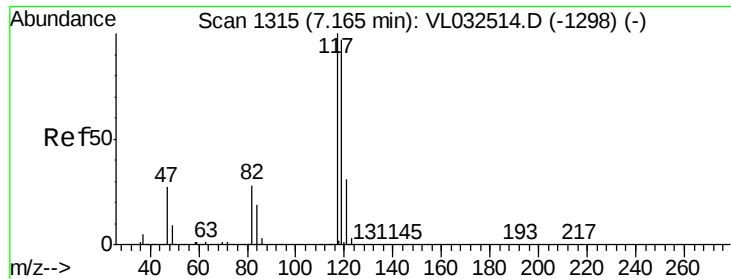
Delta R.T. -0.03 min

Lab File: VL032519.D

Acq: 24 Sep 2018 19:40

Tgt Ion:	114	Resp:	3436942
Ion Ratio	Lower	Upper	
114	100		
63	27.4	22.2	33.4
88	18.7	15.0	22.4





#35

Carbon Tetrachloride

Concen: 0.039 ppbv m

RT: 7.16 min Scan# 1313

Delta R.T. -0.03 min

Lab File: VL032519.D

Acq: 24 Sep 2018 19:40

Instrument :

MSVOA_L

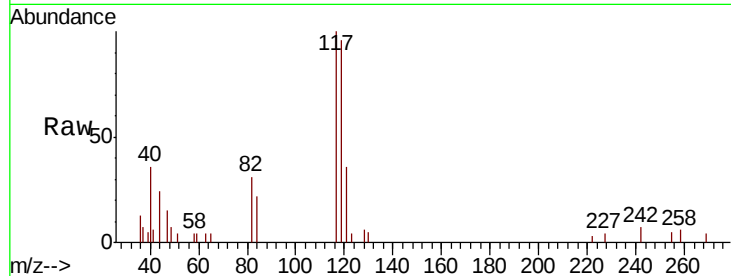
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	9073
Ion Ratio	Lower	Upper	
117	100		
119	96.0	76.6	115.0
121	36.3	24.6	36.8

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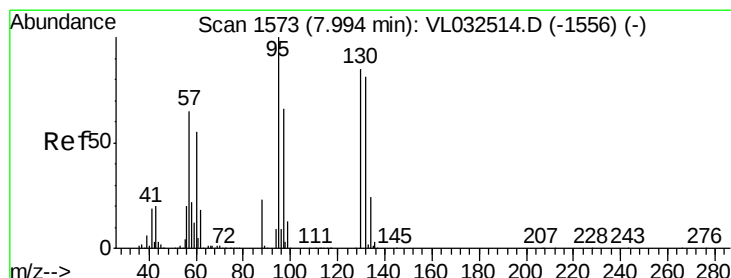
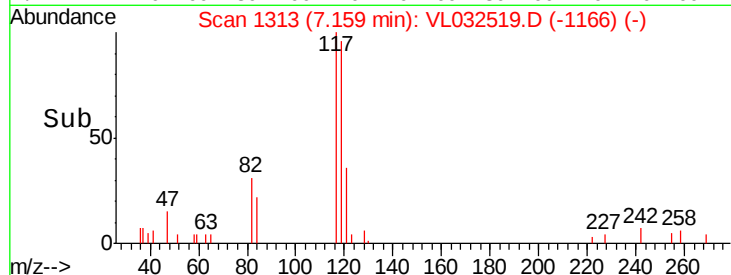
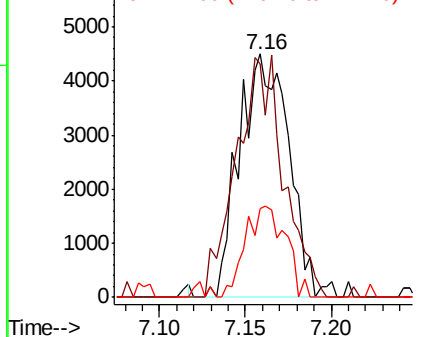


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.031 ppbv m

RT: 8.00 min Scan# 1574

Delta R.T. -0.02 min

Lab File: VL032519.D

Acq: 24 Sep 2018 19:40

Tgt Ion:	130	Resp:	3432
Ion Ratio	Lower	Upper	
130	100		
95	82.2	94.2	141.4#
132	83.8	76.2	114.4
97	41.4	60.8	91.2#

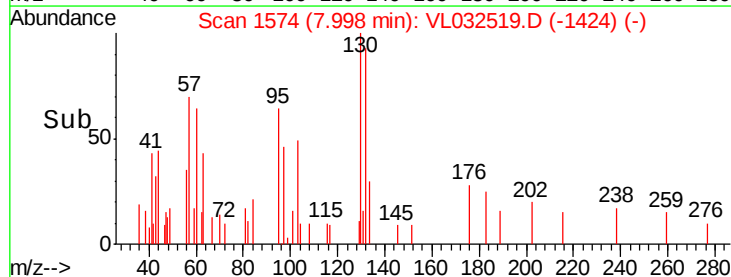
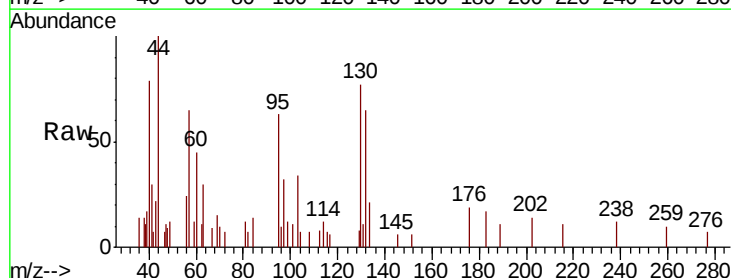
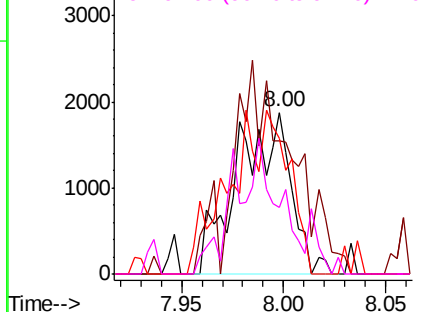
Abundance

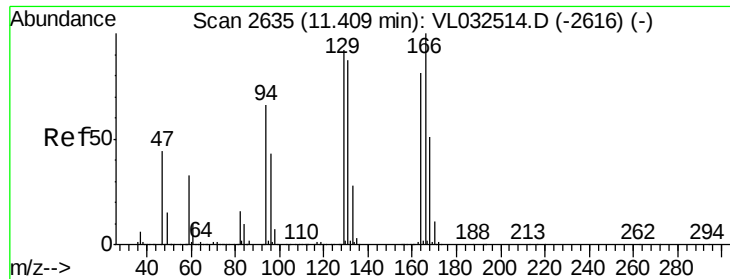
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V





#52

Tetrachloroethene

Concen: 0.037 ppbv m

RT: 11.40 min Scan# 2632

Delta R.T. -0.03 min

Lab File: VL032519.D

Acq: 24 Sep 2018 19:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 3374

Ion Ratio Lower Upper

164 100

166 84.8 100.6 150.8#

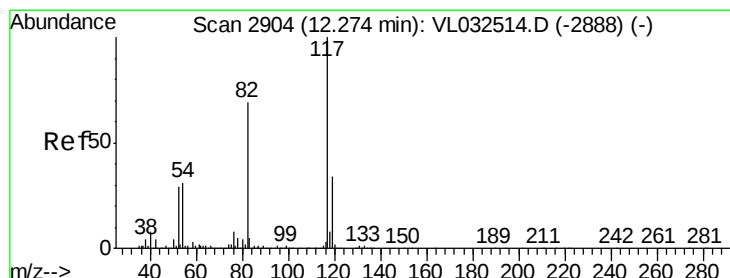
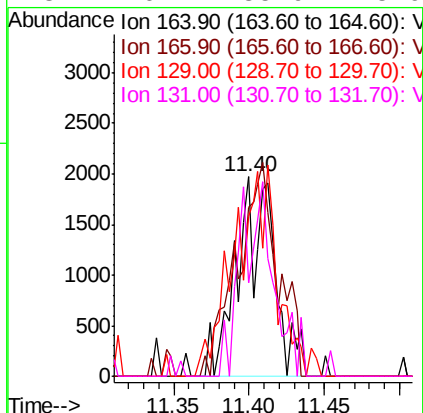
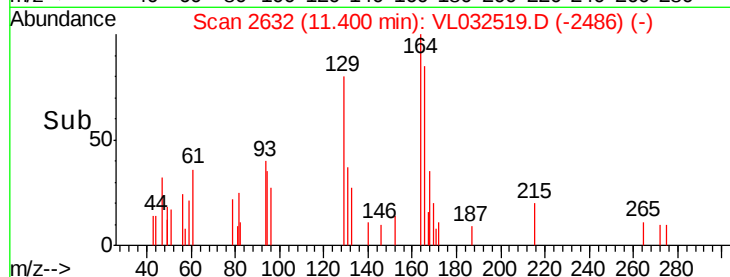
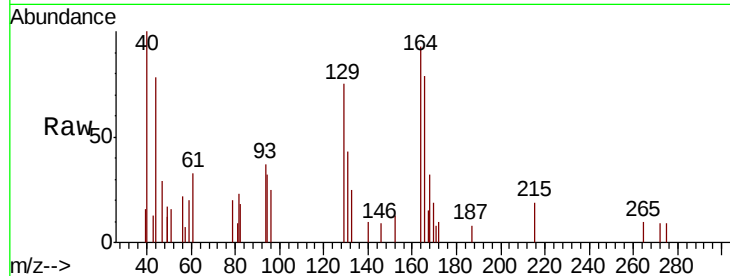
129 80.4 89.9 134.9#

131 46.7 85.9 128.9#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2902

Delta R.T. -0.03 min

Lab File: VL032519.D

Acq: 24 Sep 2018 19:40

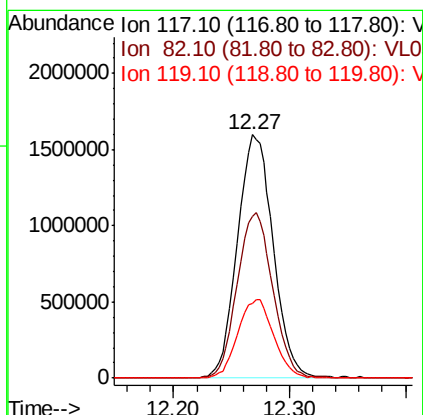
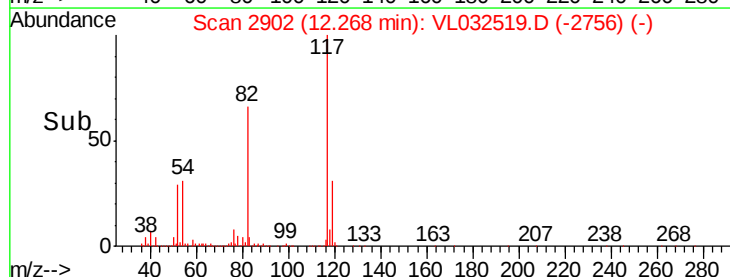
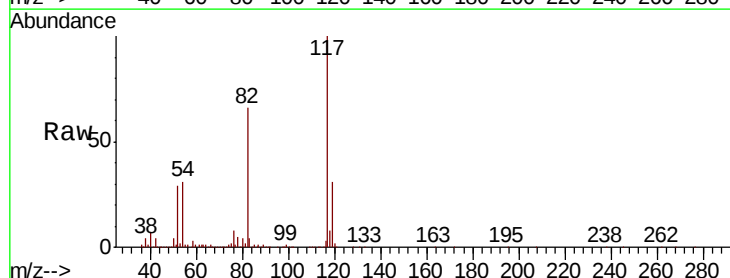
Tgt Ion:117 Resp: 3426390

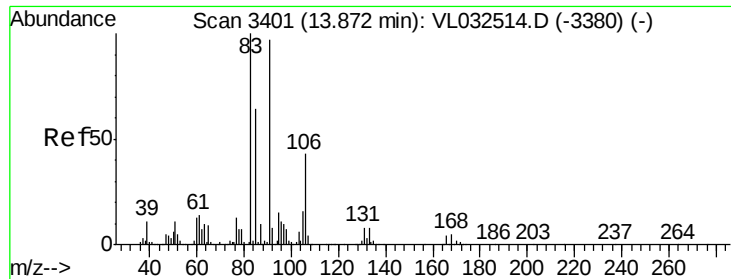
Ion Ratio Lower Upper

117 100

82 68.1 53.0 79.6

119 32.5 45.9 68.9#





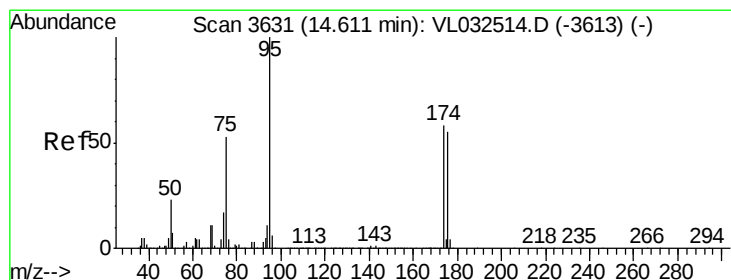
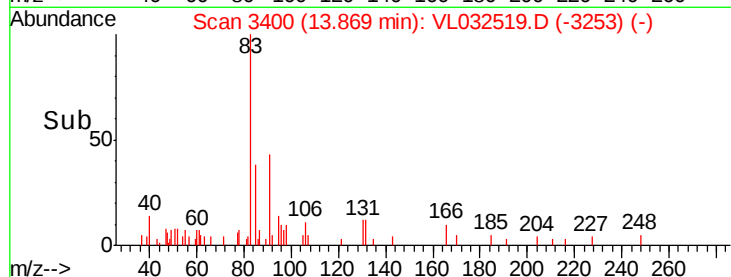
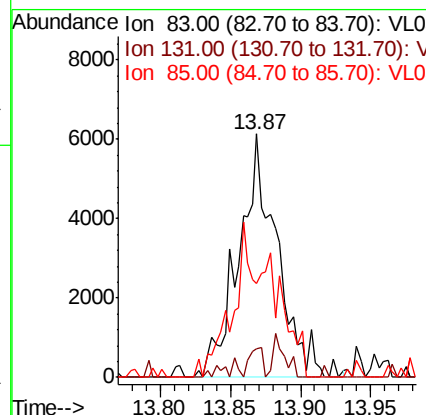
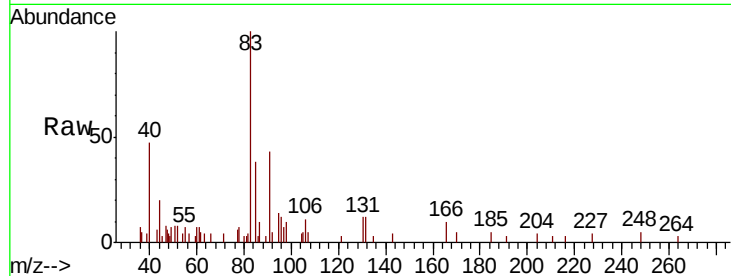
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.036 ppbv m
 RT: 13.87 min Scan# 3400
 Delta R.T. -0.03 min
 Lab File: VL032519.D
 Acq: 24 Sep 2018 19:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.3	12.8#
85	66.7	32.3	96.8

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.176 ppbv
 RT: 14.61 min Scan# 3630
 Delta R.T. -0.03 min
 Lab File: VL032519.D
 Acq: 24 Sep 2018 19:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	58.7	46.3	69.5
175	4.2	3.4	5.0

