

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081518\
 Data File : VL032353.D
 Acq On : 15 Aug 2018 13:15
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

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Quant Time: Aug 15 14:33:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 2018
 QLast Update : Wed Aug 15 11:44:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2243497	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.35	114	4781457	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.30	117	4537005	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.64	95	3499944	9.94	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.34	62	3943	0.032	ppbv	# 70
32) 1,1,1-Trichloroethane	6.68	97	9463m	0.034	ppbv	
35) Carbon Tetrachloride	7.19	117	7867m	0.029	ppbv	
38) Trichloroethene	8.02	130	5489m	0.034	ppbv	
52) Tetrachloroethene	11.45	164	3402m	0.024	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.91	83	12418m	0.032	ppbv	

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

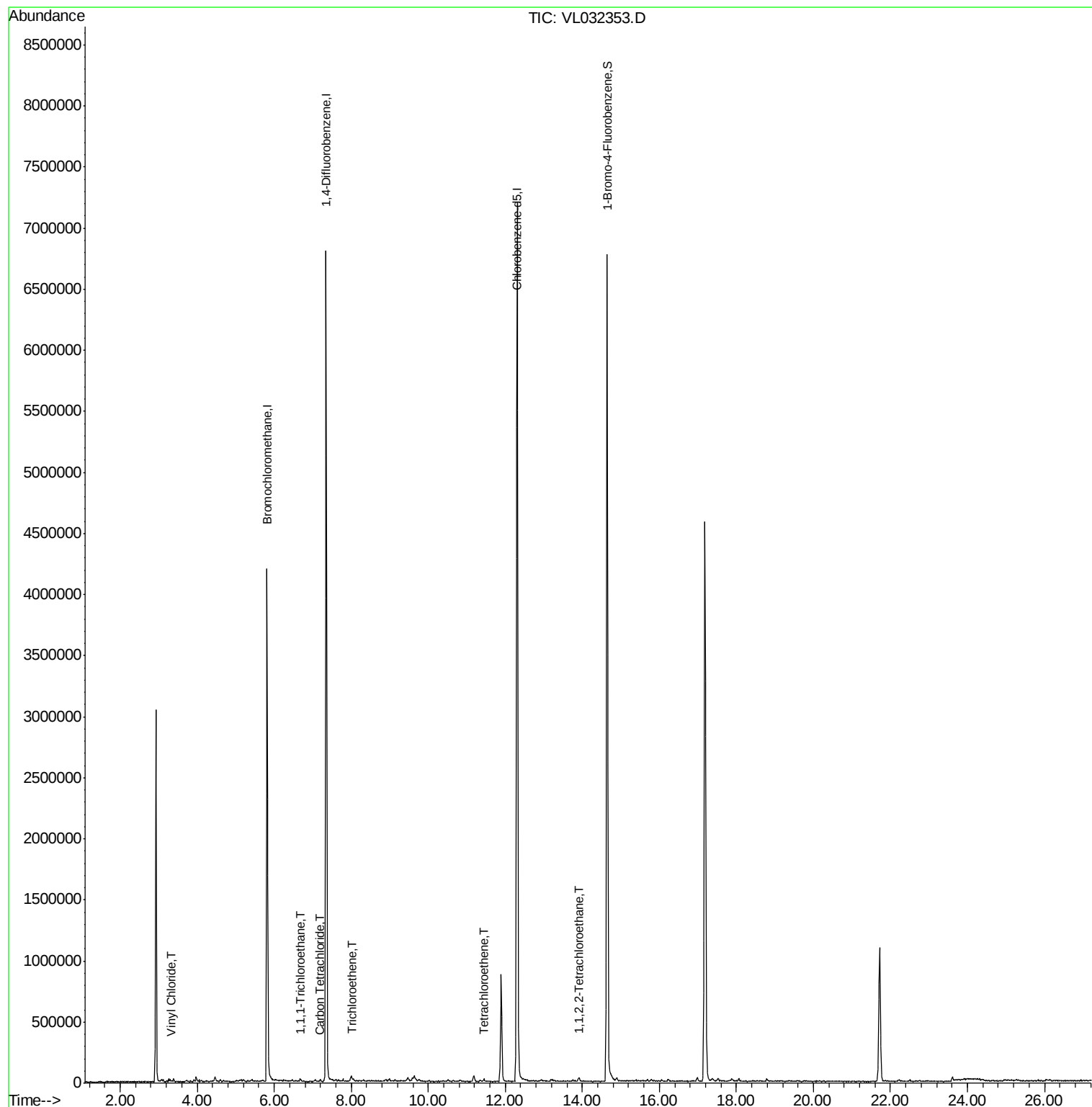
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081518\
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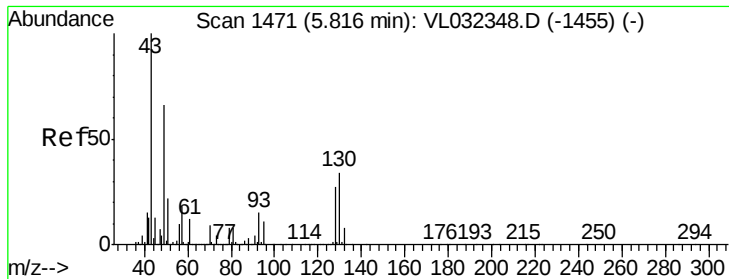
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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Quant Time: Aug 15 14:33:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 11:44:08 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. -0.02 min

Lab File: VL032353.D

Acq: 15 Aug 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 49 Resp: 2243497

Ion Ratio Lower Upper

49 100

128 40.7 20.2 60.6

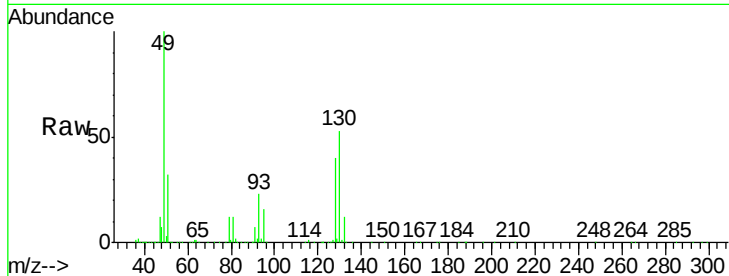
130 52.0 25.8 77.3

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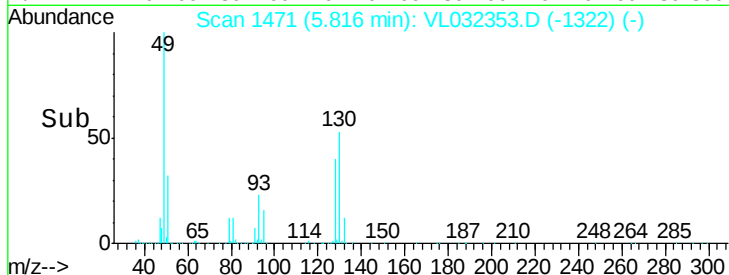


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



5.82

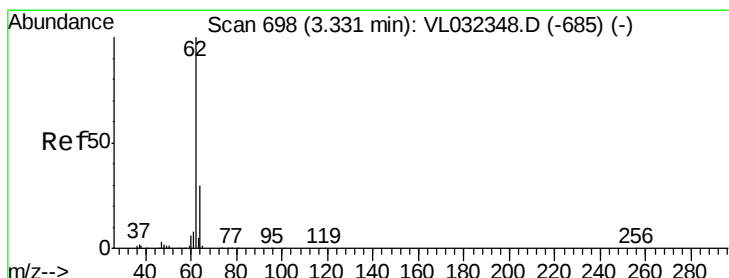
1500000

1000000

500000

0

5.75 5.80 5.85 5.90



#5

Vinyl Chloride

Concen: 0.032 ppbv

RT: 3.34 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL032353.D

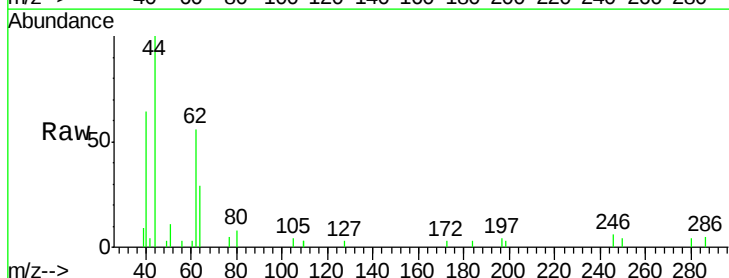
Acq: 15 Aug 2018 13:15

Tgt Ion: 62 Resp: 3943

Ion Ratio Lower Upper

62 100

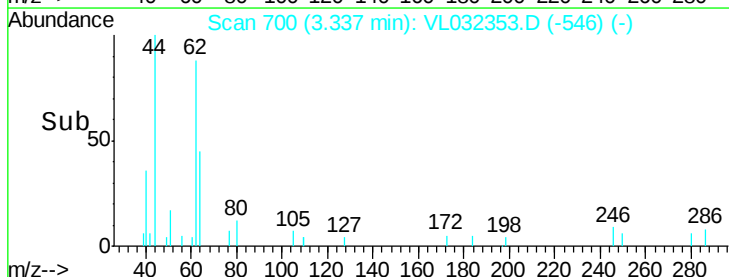
64 46.3 24.1 36.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

Time-->



4000

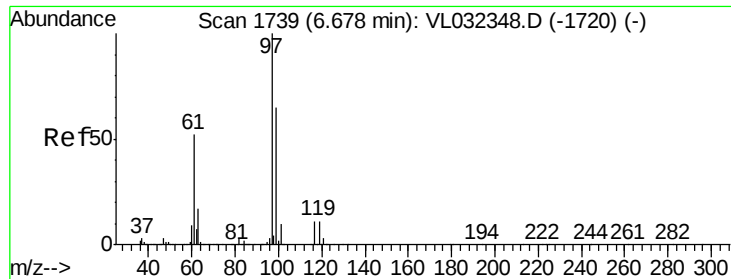
3000

2000

1000

0

3.30 3.32 3.34 3.36



#32

1,1,1-Trichloroethane

Concen: 0.034 ppbv m

RT: 6.68 min Scan# 1739

Delta R.T. -0.02 min

Lab File: VL032353.D

Acq: 15 Aug 2018 13:15

Instrument :

MSVOA_L

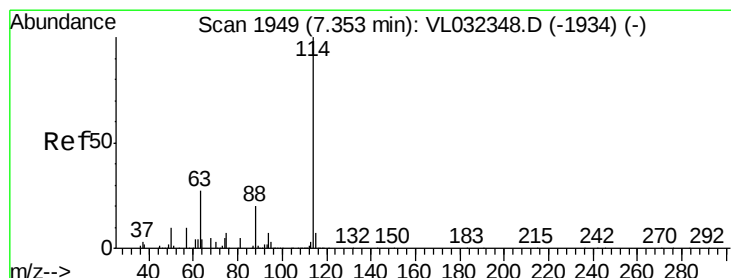
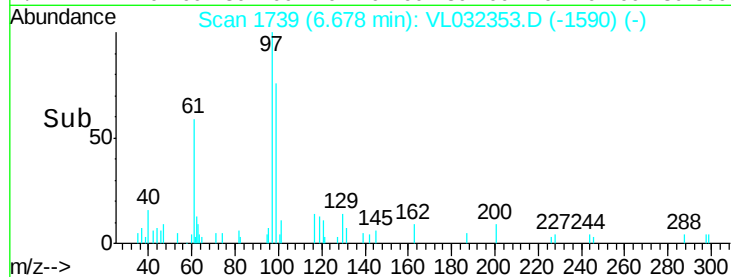
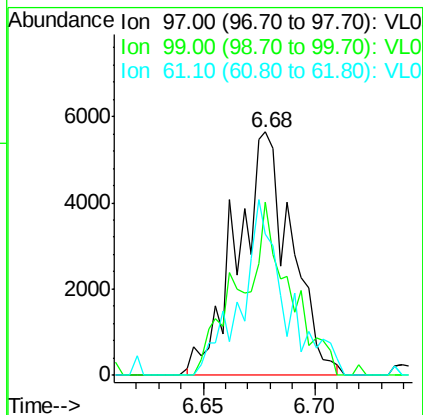
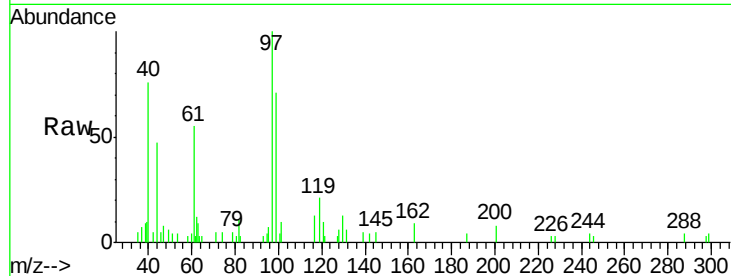
ClientSampleId :

VSTDIC0.03

Tgt Ion:	97	Resp:	9463
Ion	Ratio	Lower	Upper
97	100		
99	66.7	50.9	76.3
61	58.9	41.8	62.6

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

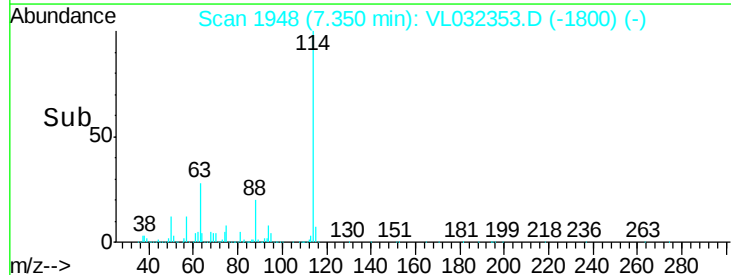
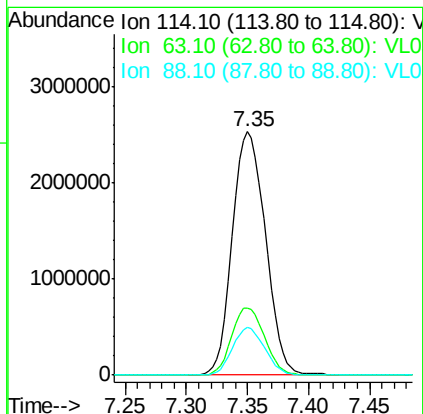
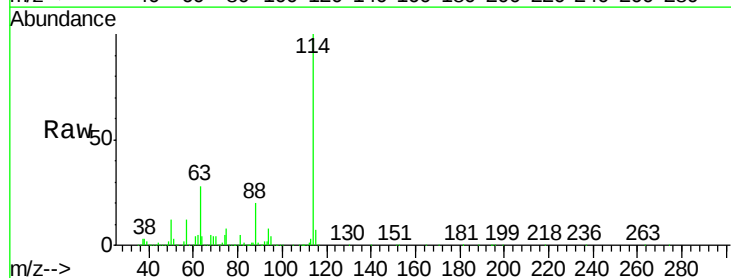
RT: 7.35 min Scan# 1948

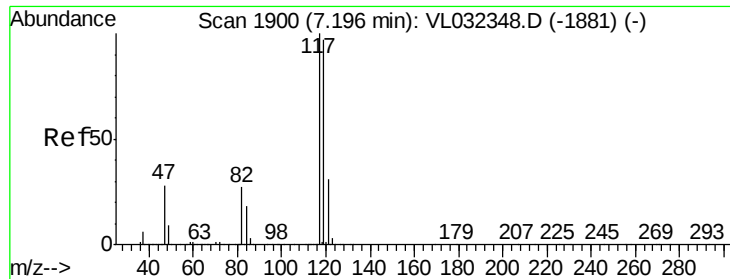
Delta R.T. -0.02 min

Lab File: VL032353.D

Acq: 15 Aug 2018 13:15

Tgt Ion:	114	Resp:	4781457
Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.4	33.6
88	19.1	15.3	22.9





#35

Carbon Tetrachloride

Concen: 0.029 ppbv m

RT: 7.19 min Scan# 1899

Delta R.T. -0.02 min

Lab File: VL032353.D

Acq: 15 Aug 2018 13:15

Instrument :

MSVOA_L

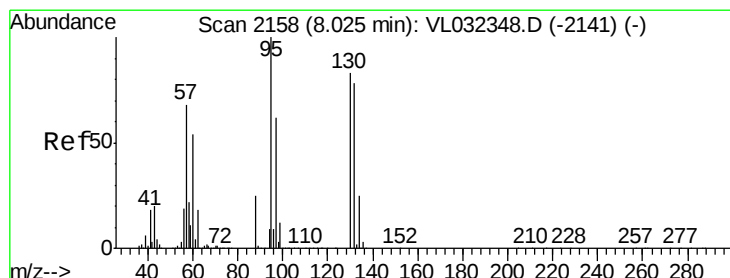
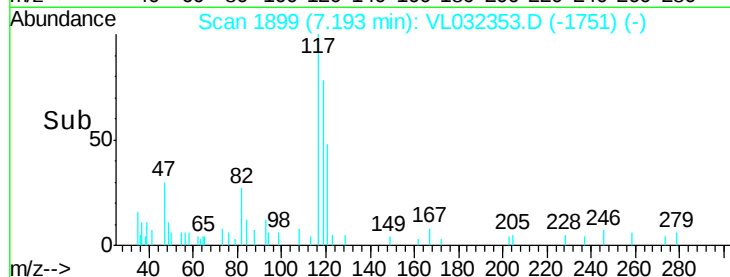
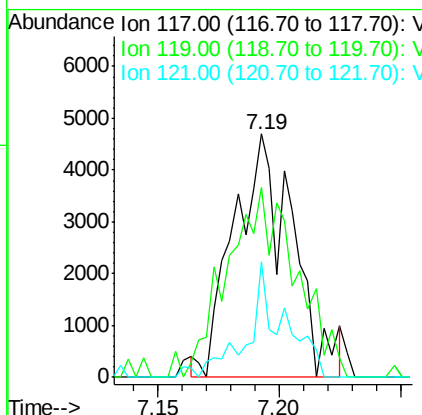
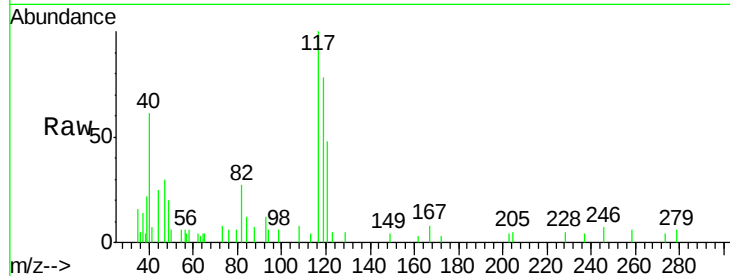
ClientSampleId :

VSTDIC0.03

Tgt Ion:	117	Resp:	7867
Ion Ratio	Lower	Upper	
117	100		
119	78.2	76.1	114.1
121	47.6	24.4	36.6#

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#38

Trichloroethene

Concen: 0.034 ppbv m

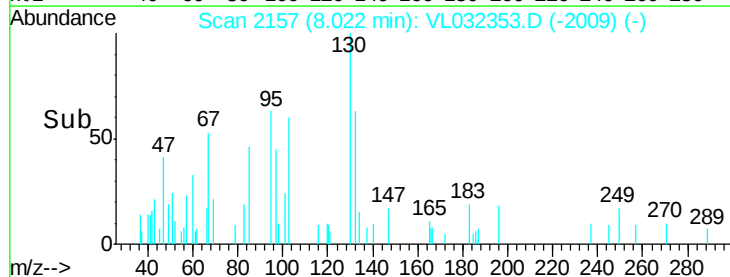
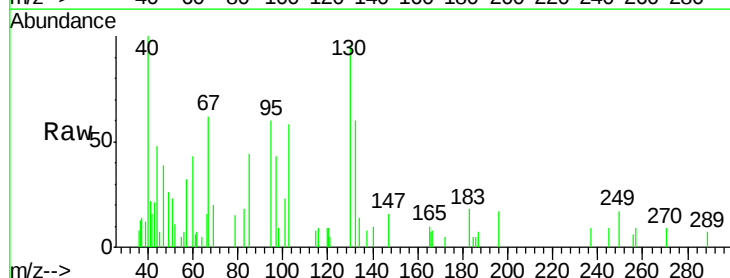
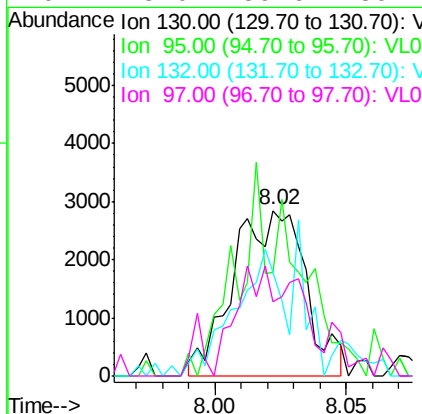
RT: 8.02 min Scan# 2157

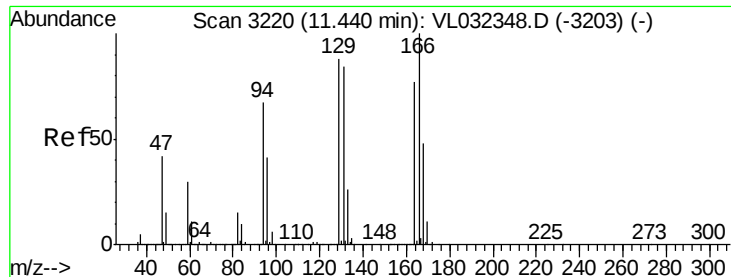
Delta R.T. -0.02 min

Lab File: VL032353.D

Acq: 15 Aug 2018 13:15

Tgt Ion:	130	Resp:	5489
Ion Ratio	Lower	Upper	
130	100		
95	62.8	92.9	139.3#
132	62.7	73.0	109.4#
97	45.0	59.6	89.4#





#52

Tetrachloroethene

Concen: 0.024 ppbv m

RT: 11.45 min Scan# 3222

Delta R.T. -0.02 min

Lab File: VL032353.D

Acq: 15 Aug 2018 13:15

Instrument :

MSVOA_L

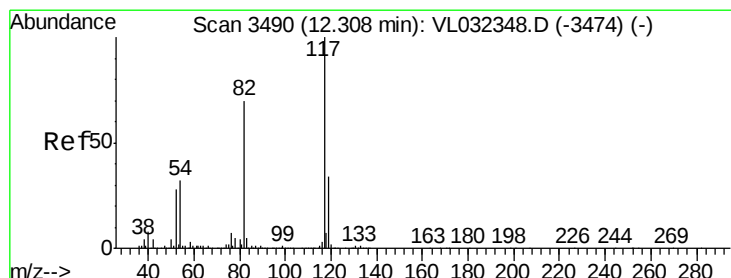
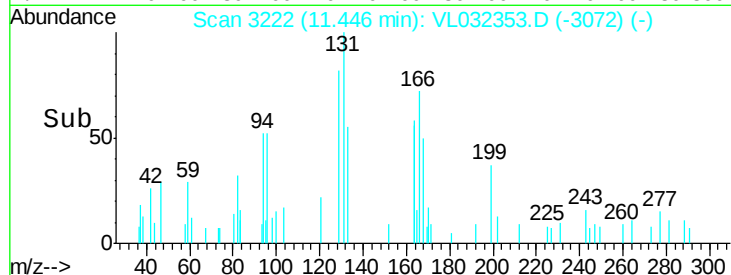
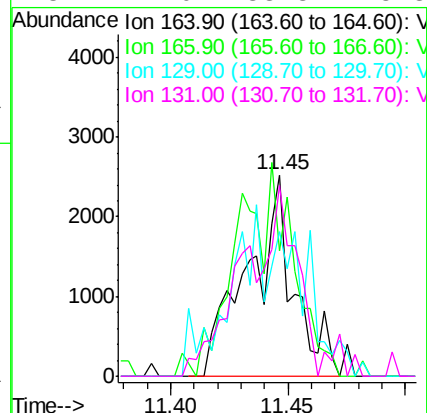
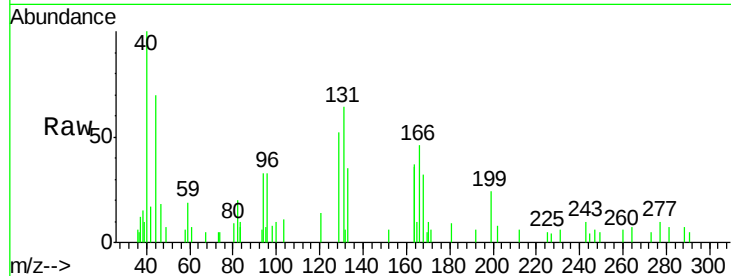
ClientSampleId :

VSTDIC0.03

Tgt Ion:	164	Resp:	3402
Ion Ratio	Lower	Upper	
164	100		
166	122.5	100.0	150.0
129	140.9	87.9	131.9#
131	171.0	83.8	125.8#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

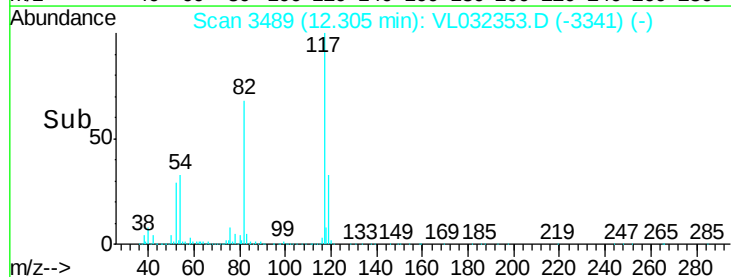
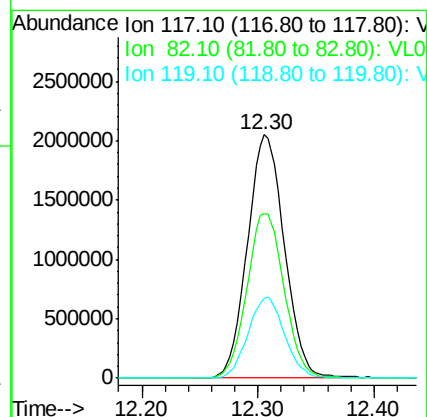
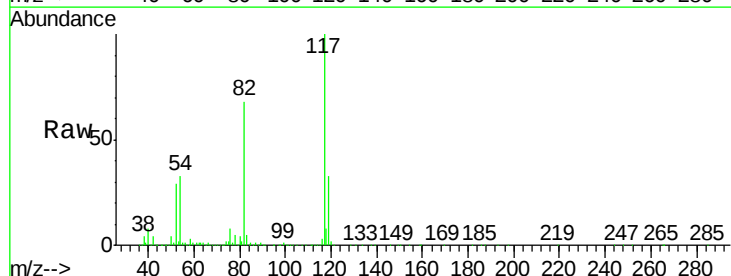
RT: 12.30 min Scan# 3489

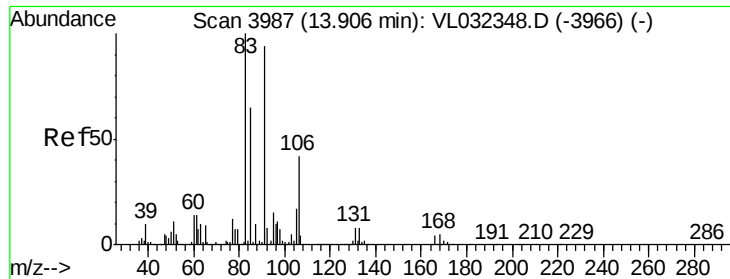
Delta R.T. -0.02 min

Lab File: VL032353.D

Acq: 15 Aug 2018 13:15

Tgt Ion:	117	Resp:	4537005
Ion Ratio	Lower	Upper	
117	100		
82	68.6	52.6	78.8
119	32.9	25.7	38.5





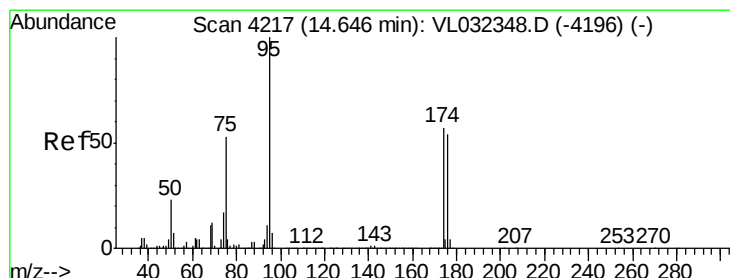
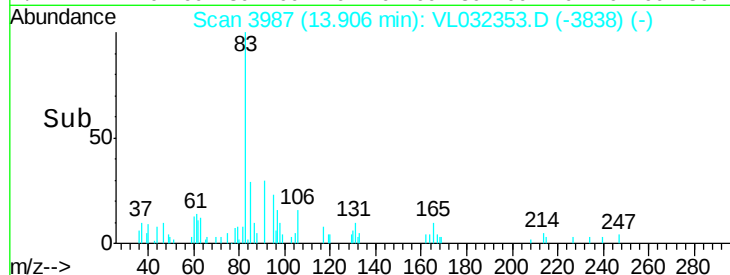
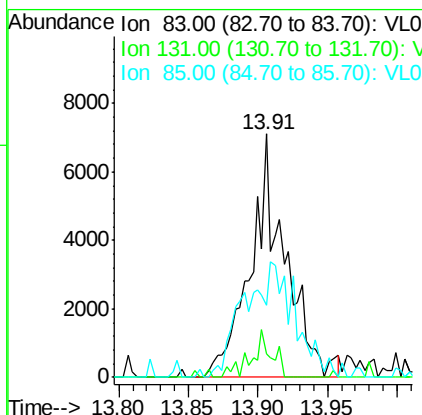
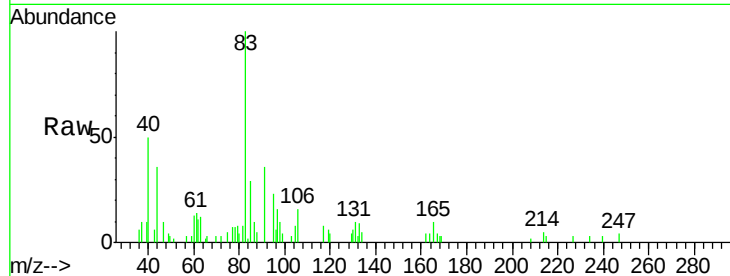
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.032 ppbv m
 RT: 13.91 min Scan# 3987
 Delta R.T. -0.02 min
 Lab File: VL032353.D
 Acq: 15 Aug 2018 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.7	4.3	12.8
85	71.1	32.6	97.7

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.938 ppbv
 RT: 14.64 min Scan# 4216
 Delta R.T. -0.03 min
 Lab File: VL032353.D
 Acq: 15 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	56.9	45.5	68.3
175	4.1	3.3	4.9

