

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032264.D
 Acq On : 18 Jul 2018 12:34
 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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 7/20/2018 2:53:08 PM

Quant Time: Jul 18 13:00:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 13:00:49 2018
 QLast Update : Wed Jul 18 09:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1767657	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3662472	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4023886	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3357703	10.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.34	62	3451m	0.03	ppbv	
32) 1,1,1-Trichloroethane	6.70	97	9545m	0.03	ppbv	
35) Carbon Tetrachloride	7.21	117	8143m	0.03	ppbv	
38) Trichloroethene	8.04	130	4110m	0.03	ppbv	
52) Tetrachloroethene	11.47	164	3796m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.93	83	15722m	0.04	ppbv	

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

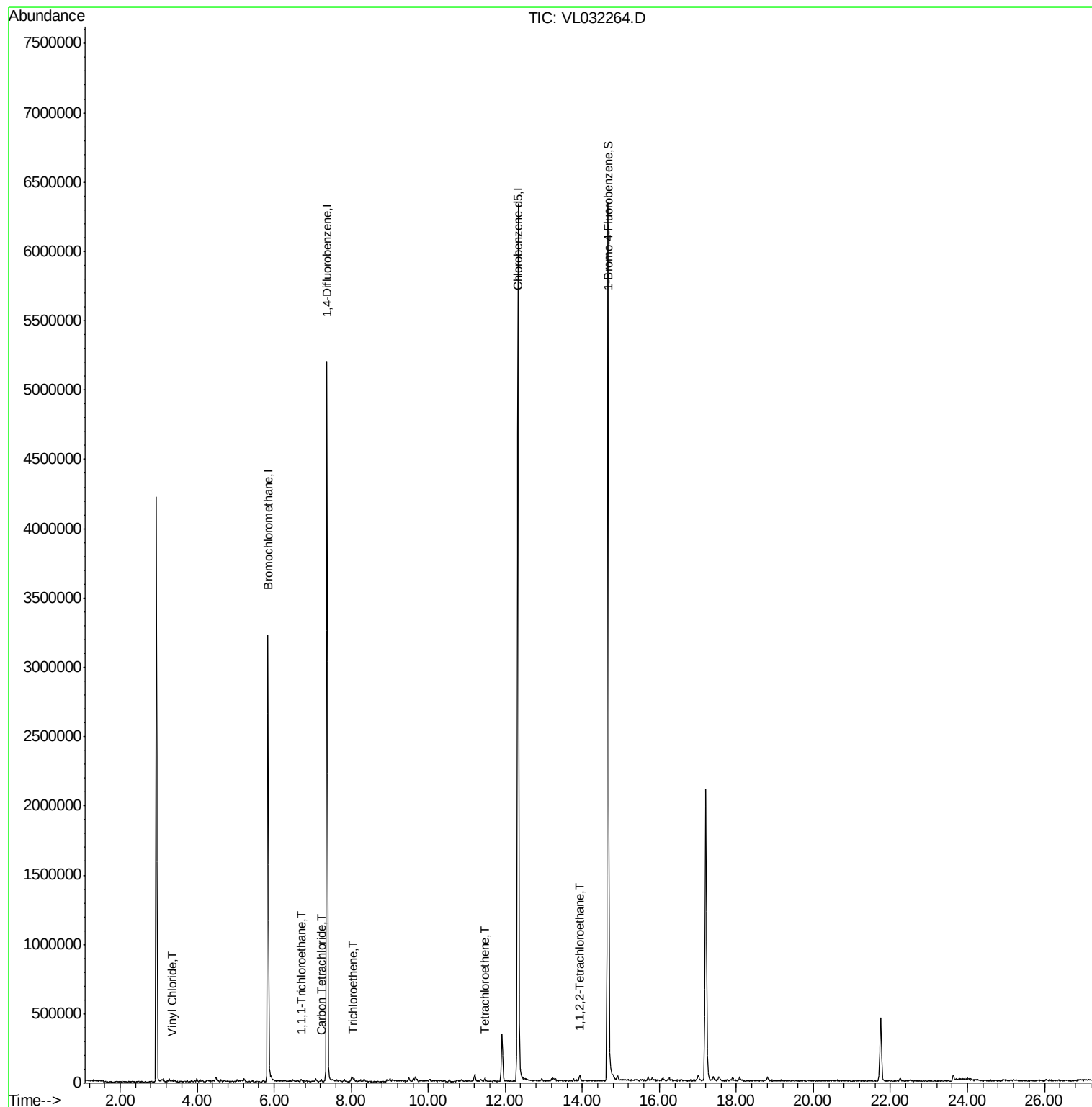
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071818\
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Misc : 400ml/MSVOA L
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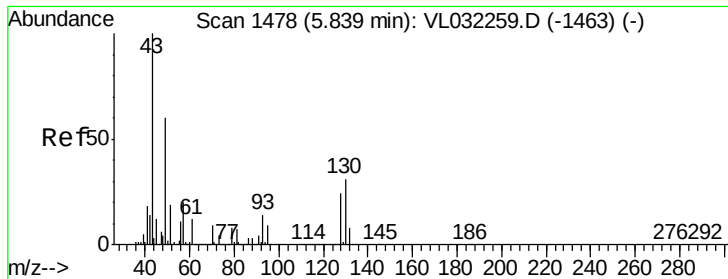
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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Quant Time: Jul 18 13:00:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 18 09:58:24 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1767657

Ion Ratio Lower Upper

49 100

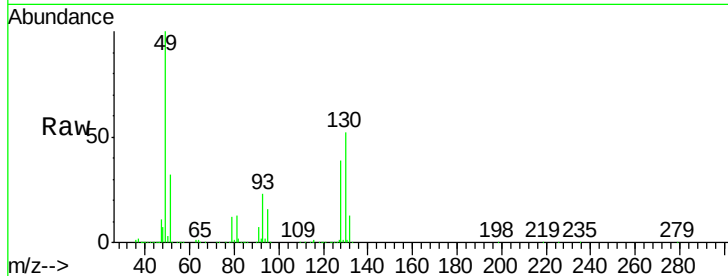
128 40.1 20.1 60.2

130 52.0 25.9 77.6

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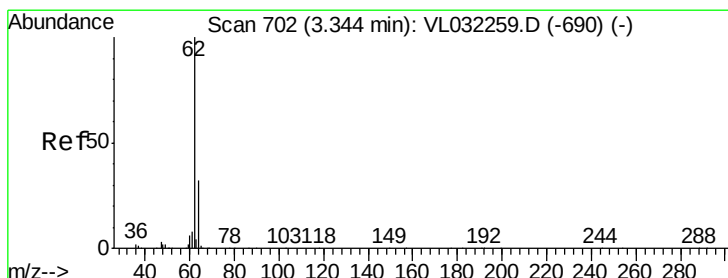
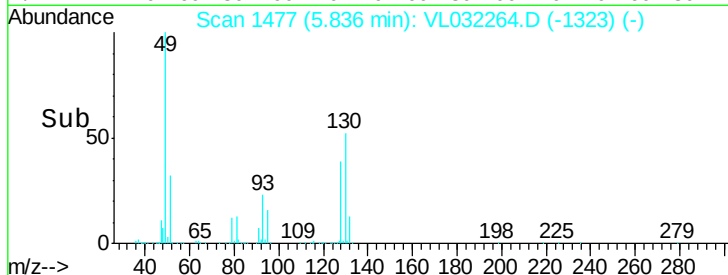
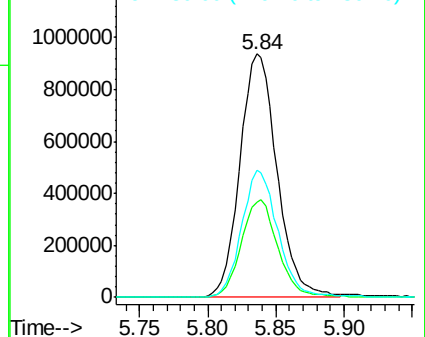
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.03 ppbv m

RT: 3.34 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL032264.D

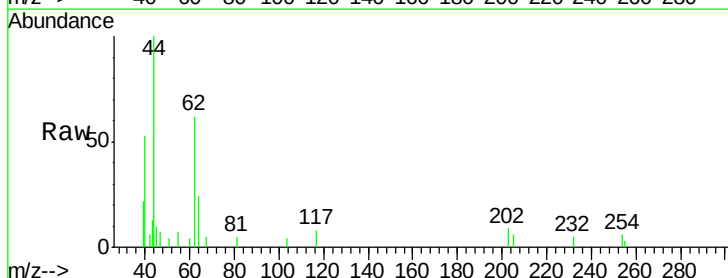
Acq: 18 Jul 2018 12:34

Tgt Ion: 62 Resp: 3451

Ion Ratio Lower Upper

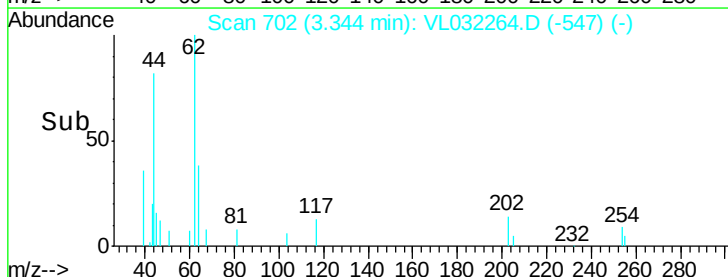
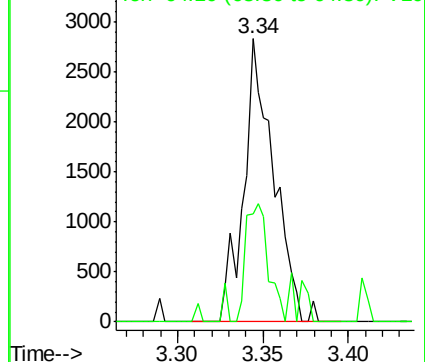
62 100

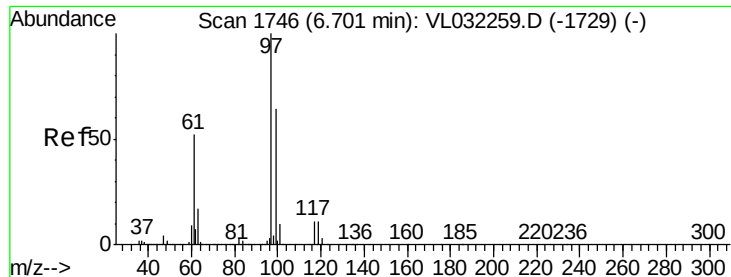
64 38.3 25.3 37.9#



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: 0.03 ppbv m

RT: 6.70 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Instrument :

MSVOA_L

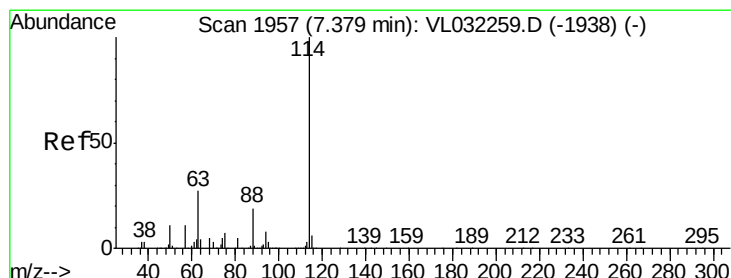
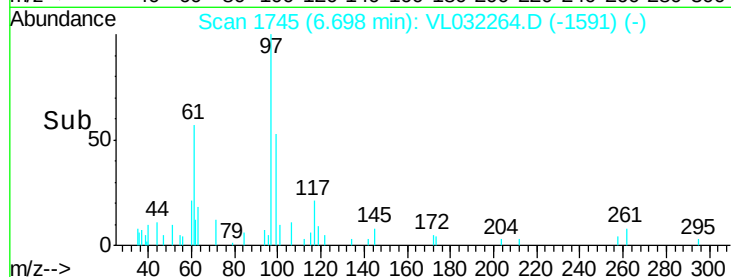
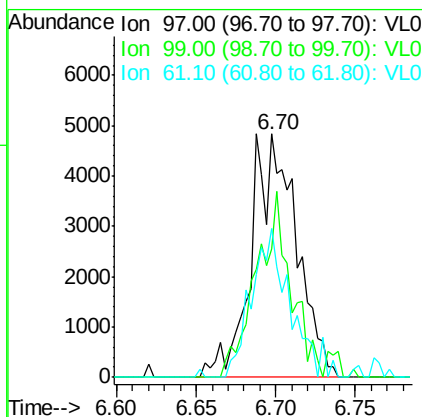
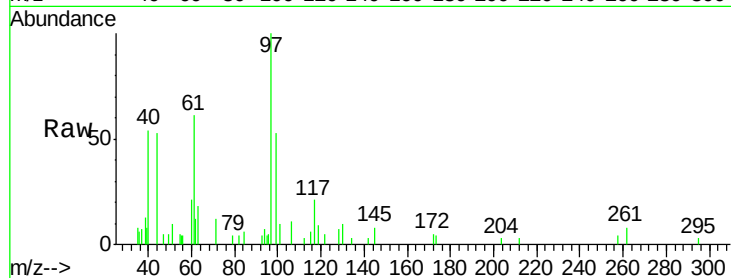
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	9545
Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.0	76.6
61	53.1	41.2	61.8

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

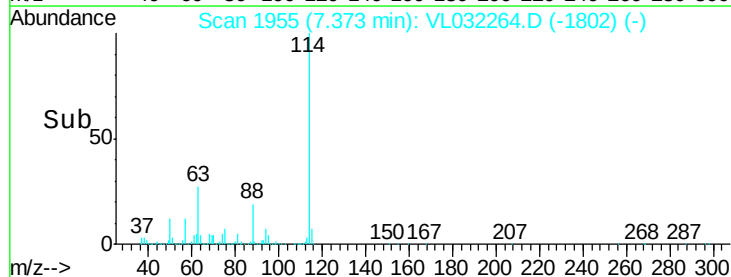
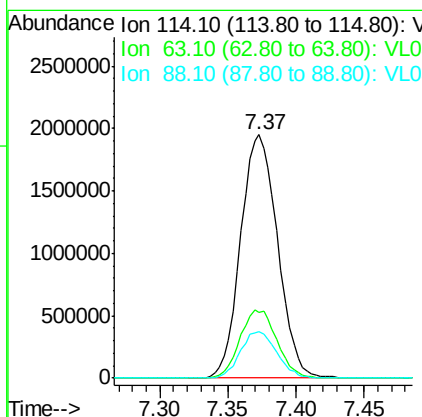
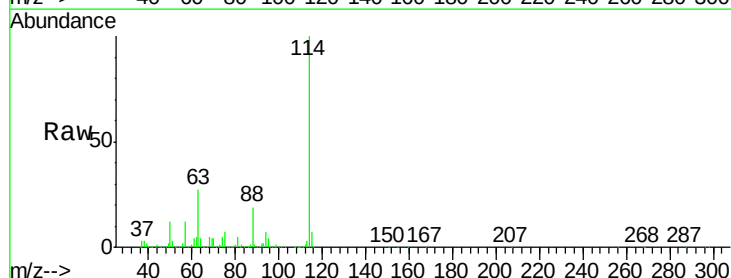
RT: 7.37 min Scan# 1955

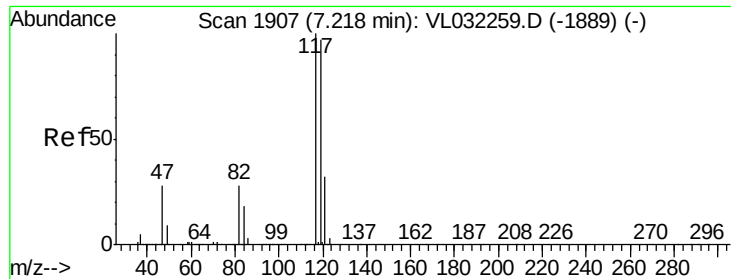
Delta R.T. -0.01 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Tgt Ion:	114	Resp:	3662472
Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.6	33.8
88	19.0	15.2	22.8





#35

Carbon Tetrachloride

Concen: 0.03 ppbv m

RT: 7.21 min Scan# 1905

Delta R.T. -0.01 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Instrument :

MSVOA_L

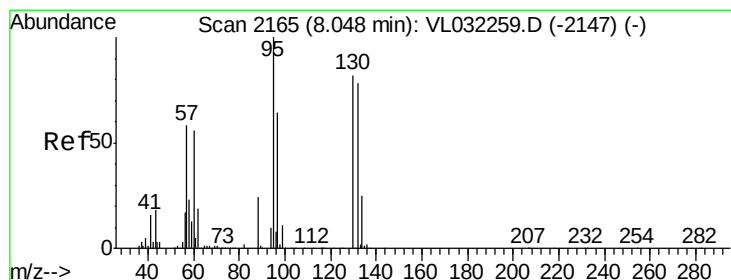
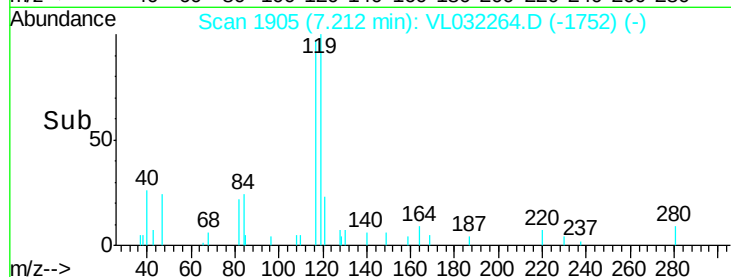
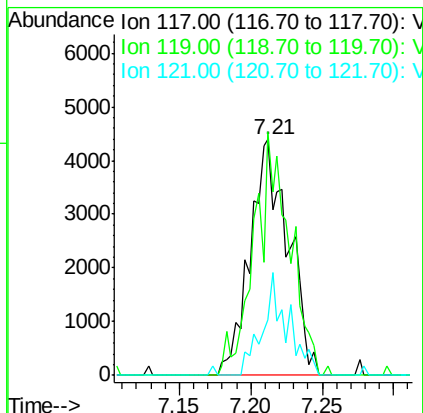
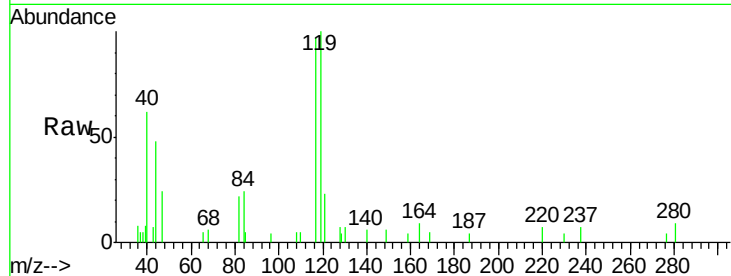
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	8143
Ion Ratio	Lower	Upper	
117	100		
119	103.3	77.4	116.0
121	23.6	25.4	38.2#

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#38

Trichloroethene

Concen: 0.03 ppbv m

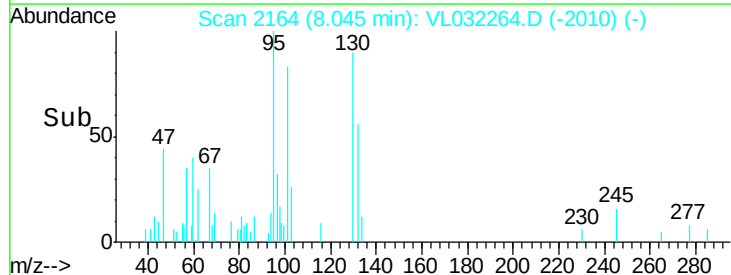
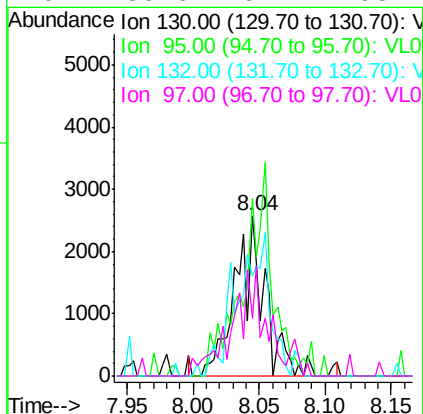
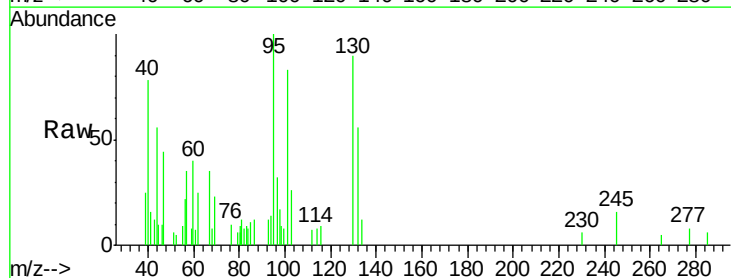
RT: 8.04 min Scan# 2164

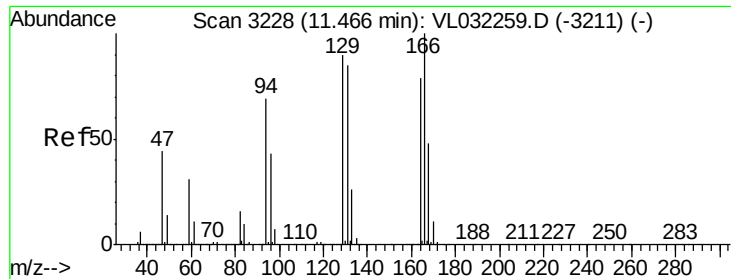
Delta R.T. -0.00 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Tgt Ion:	130	Resp:	4110
Ion Ratio	Lower	Upper	
130	100		
95	110.8	97.1	145.7
132	62.4	75.6	113.4#
97	35.6	62.1	93.1#





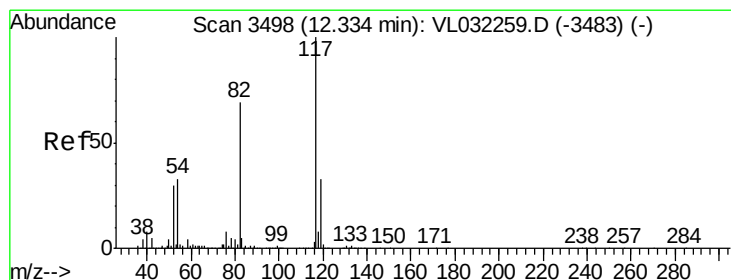
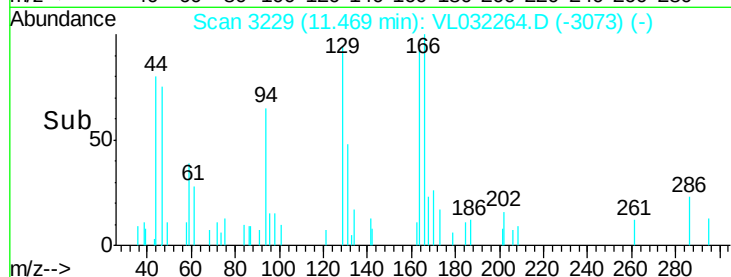
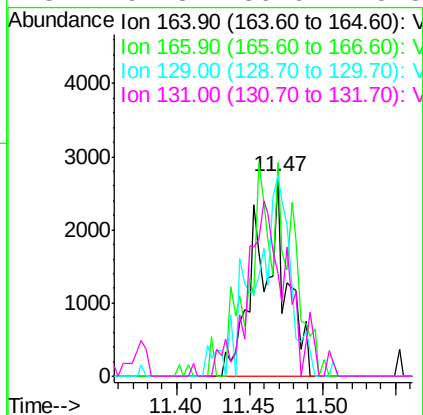
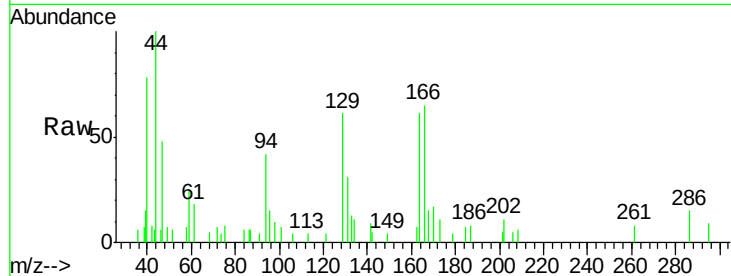
#52
Tetrachloroethene
Concen: 0.03 ppbv m
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VL032264.D
Acq: 18 Jul 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	107.5	101.7	152.5
129	101.4	91.5	137.3
131	51.3	86.6	129.8#

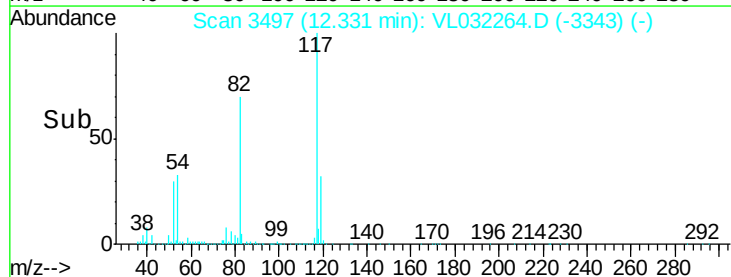
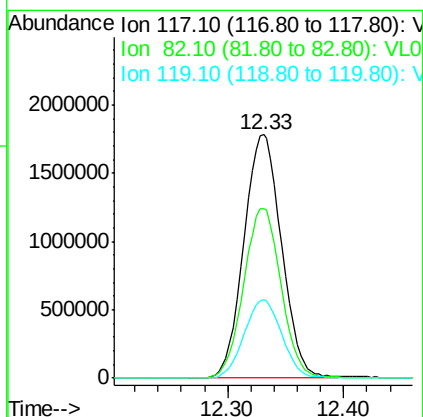
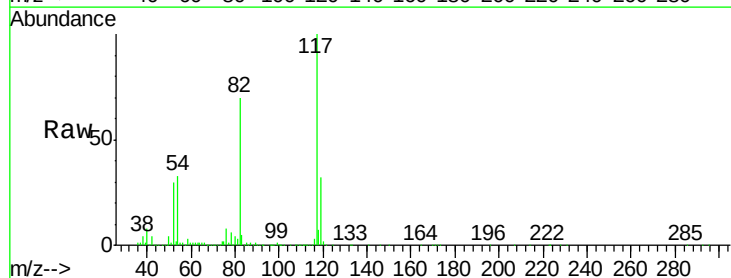
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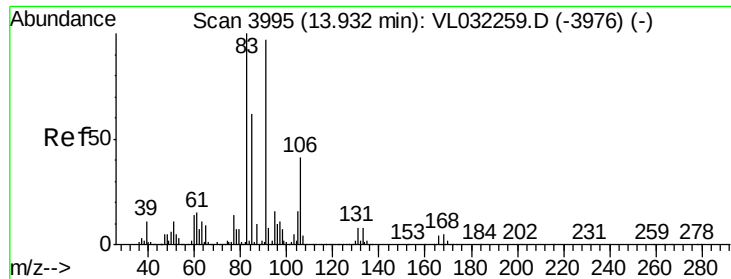
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VL032264.D
Acq: 18 Jul 2018 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.6	53.9	80.9
119	32.4	25.5	38.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.04 ppbv m

RT: 13.93 min Scan# 3994

Delta R.T. -0.00 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Instrument :

MSVOA_L

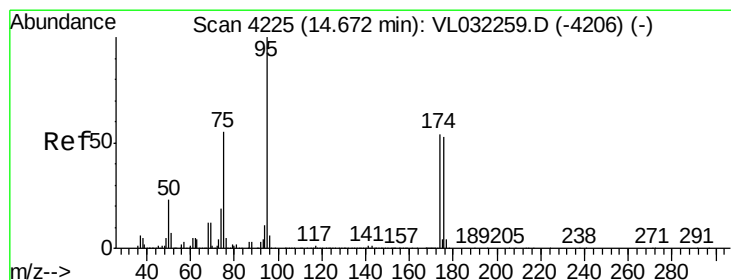
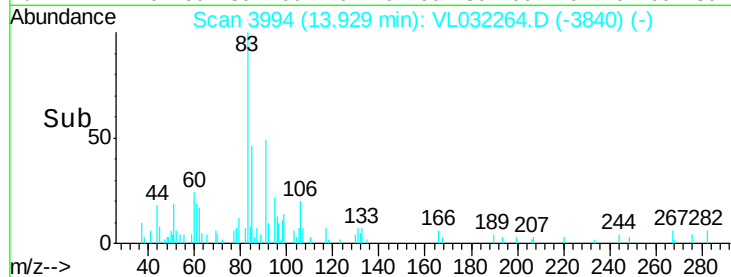
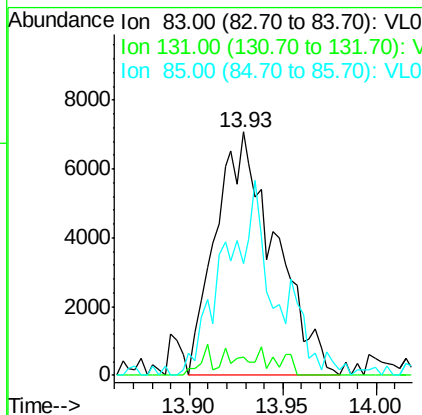
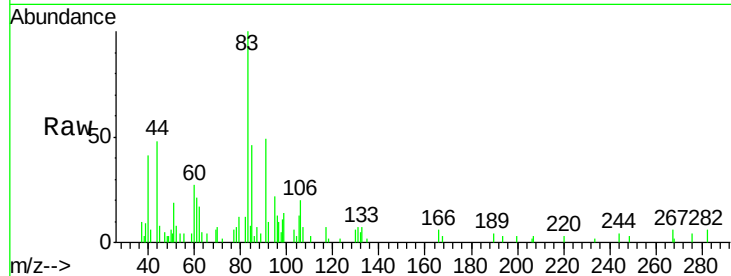
ClientSampleId :

VSTDIC0.03

Tot Ion:	83	Resp:	15722
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.2	12.6#
85	70.2	32.2	96.6

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.78 ppbv

RT: 14.67 min Scan# 4223

Delta R.T. -0.01 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Tgt Ion:	95	Resp:	3357703
Ion Ratio	Lower	Upper	
95	100		
174	55.9	44.3	66.5
175	4.0	3.3	4.9

