

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL032519\
 Data File : VL033439.D
 Acq On : 25 Mar 2019 13:41
 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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 4/1/2019 1:22:47 AM

Quant Time: Mar 25 14:53:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	774028	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1779753	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1741135	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1384787	10.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.29	62	1286m	0.026	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	3621m	0.029	ppbv	
35) Carbon Tetrachloride	7.14	117	3569m	0.028	ppbv	
38) Trichloroethene	7.96	130	1273m	0.021	ppbv	
52) Tetrachloroethene	11.37	164	1423m	0.021	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	4815m	0.032	ppbv	

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

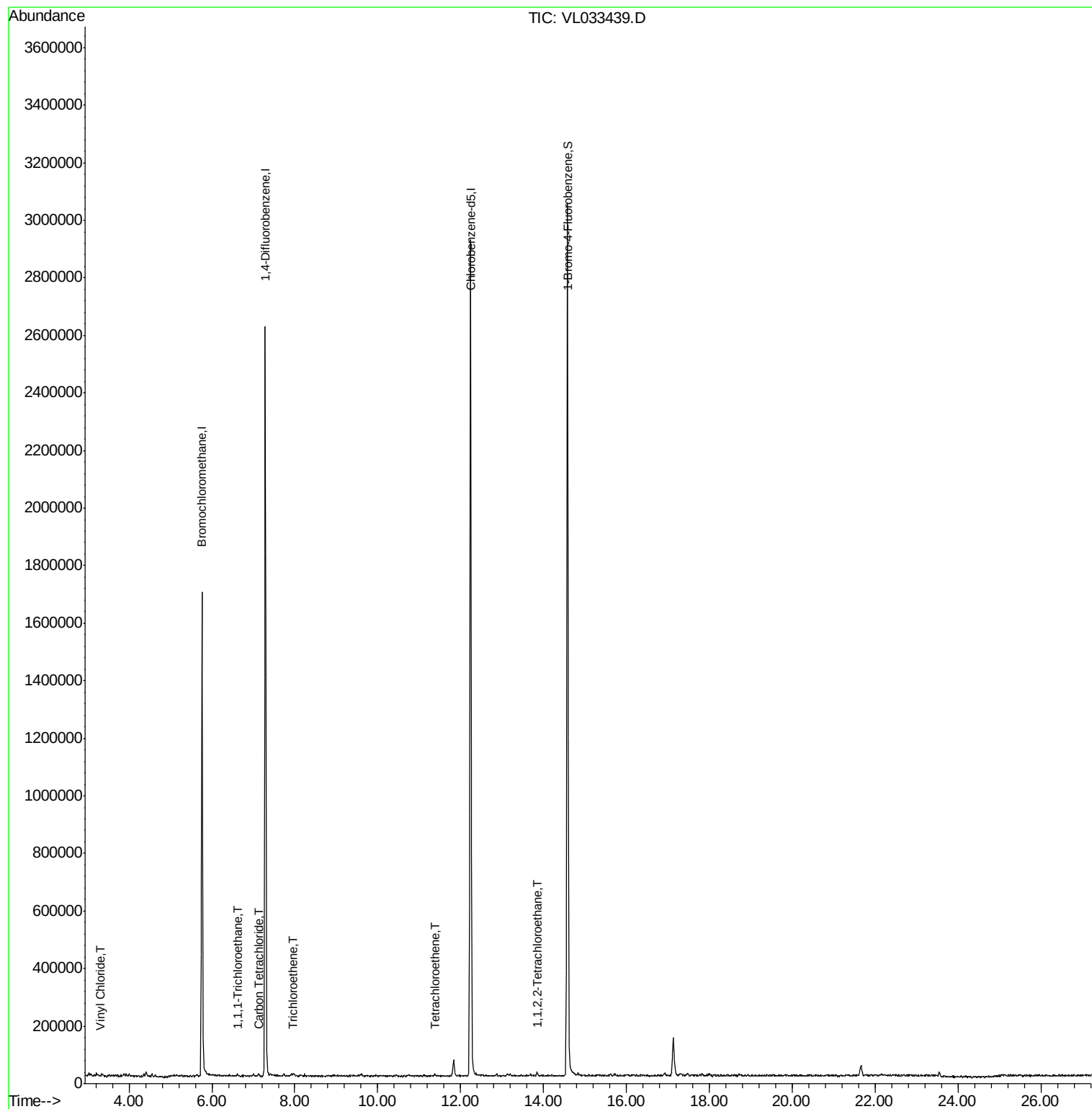
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL032519\
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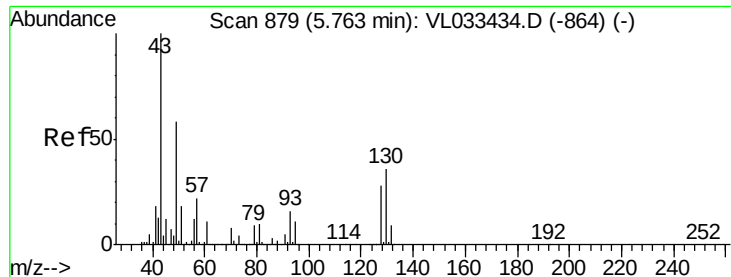
Instrument :
MSVOA_L
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
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QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 774028

Ion Ratio Lower Upper

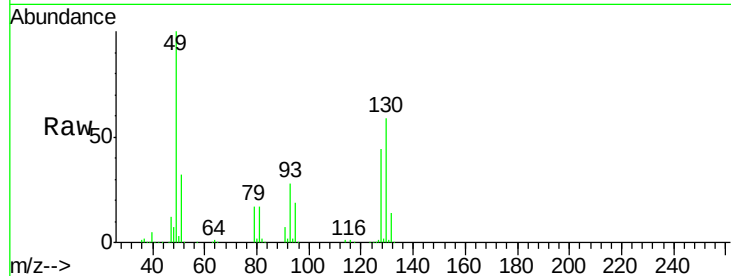
49 100

128 46.6 23.5 70.6

130 61.7 30.1 90.3

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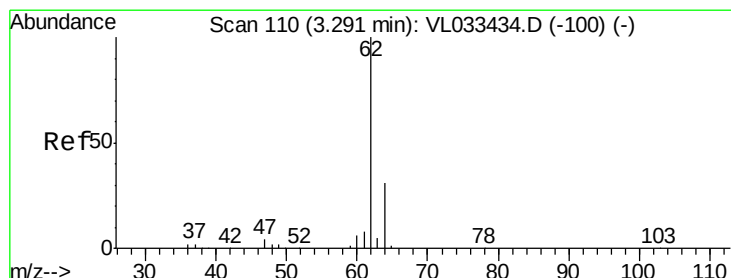
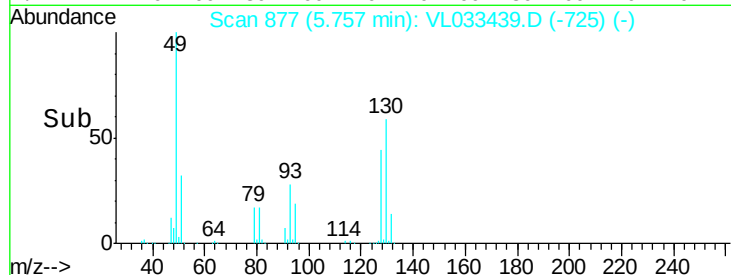
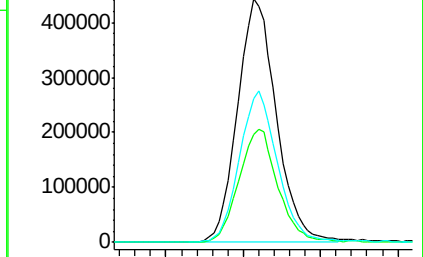
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.026 ppbv m

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033439.D

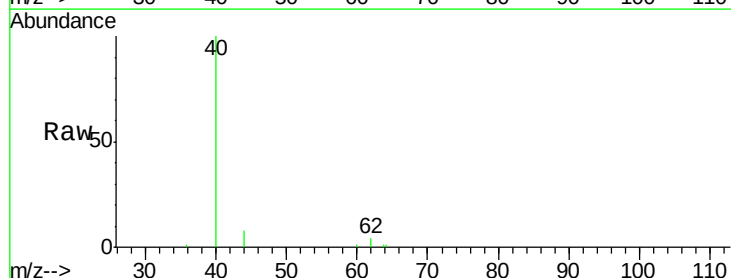
Acq: 25 Mar 2019 13:41

Tgt Ion: 62 Resp: 1286

Ion Ratio Lower Upper

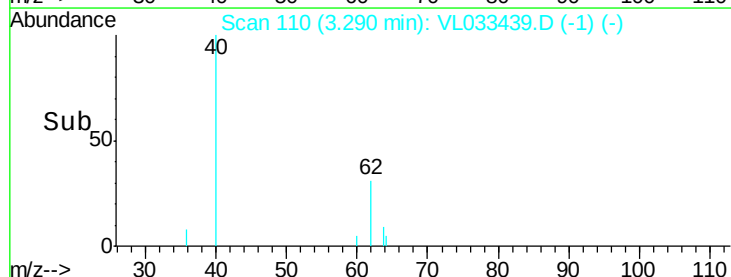
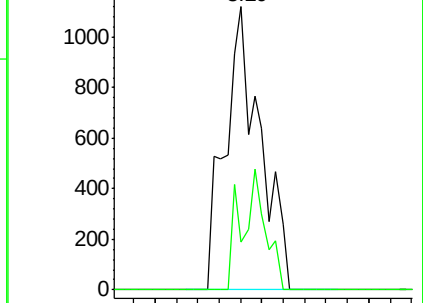
62 100

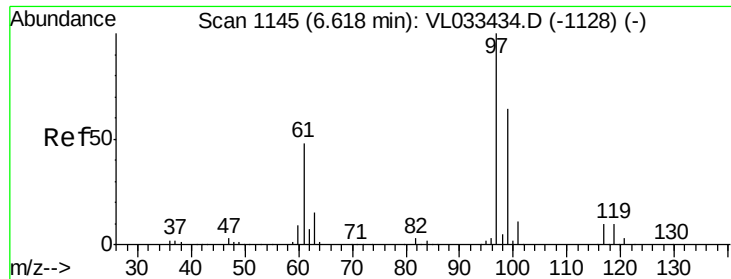
64 16.9 25.0 37.6#



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: 0.029 ppbv m

RT: 6.62 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Instrument :

MSVOA_L

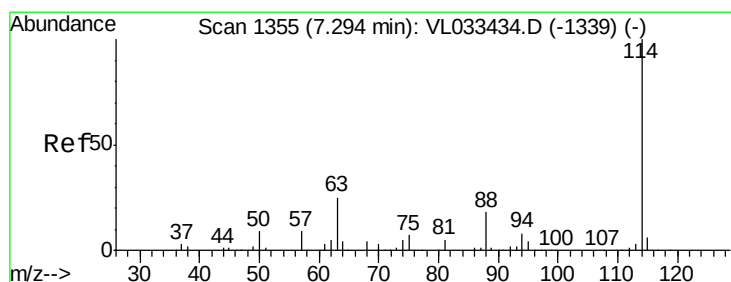
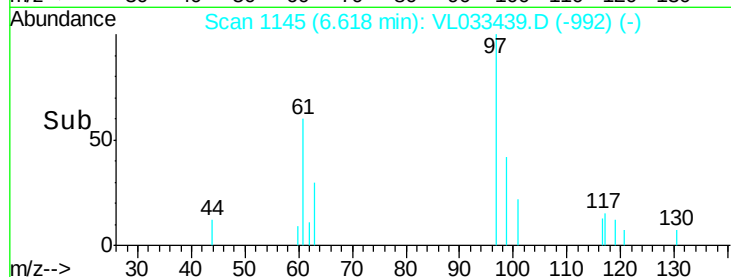
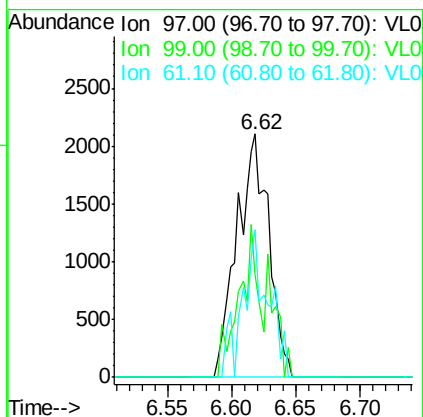
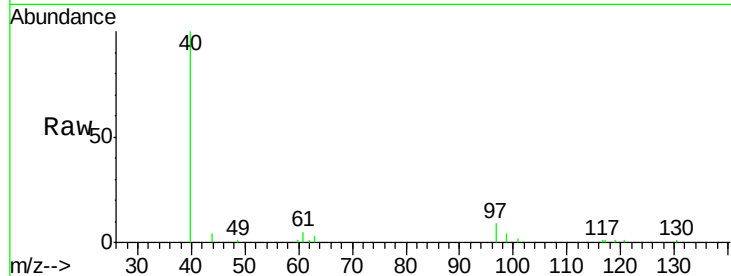
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	3621
Ion	Ratio	Lower	Upper
97	100		
99	53.7	51.0	76.6
61	48.5	39.3	58.9

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

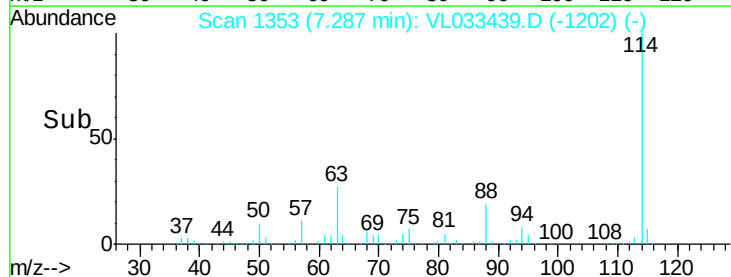
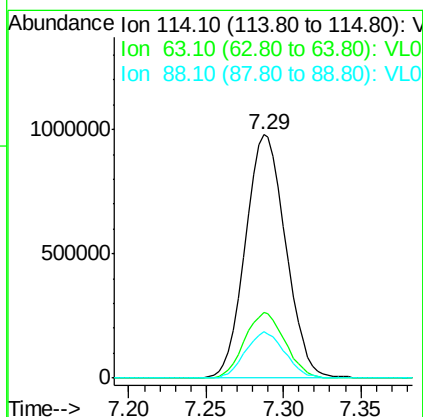
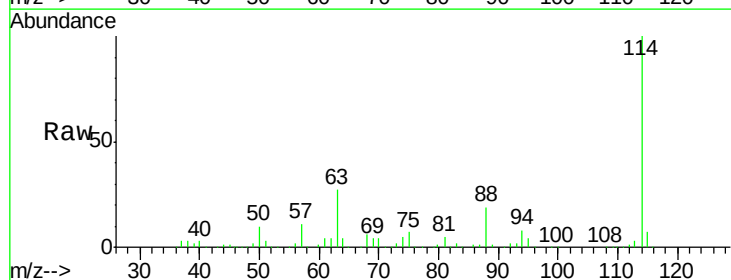
RT: 7.29 min Scan# 1353

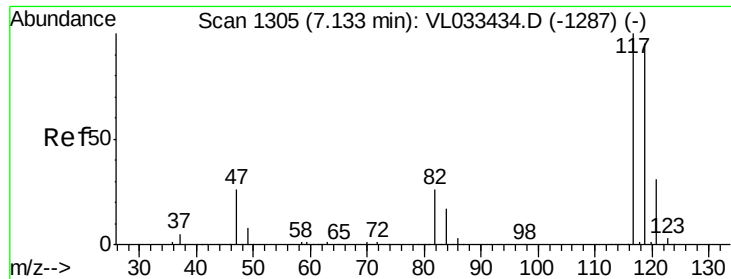
Delta R.T. -0.01 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Tgt Ion:	114	Resp:	1779753
Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.4	32.2
88	18.5	14.5	21.7





#35

Carbon Tetrachloride

Concen: 0.028 ppbv m

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Instrument :

MSVOA_L

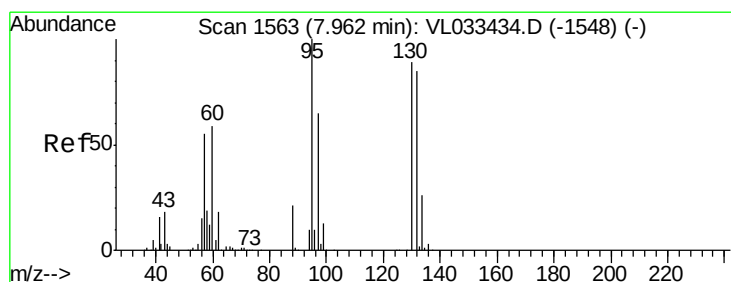
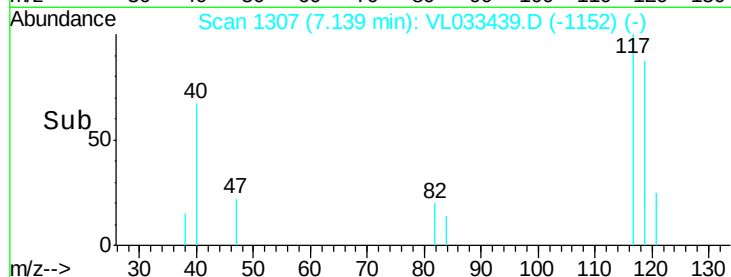
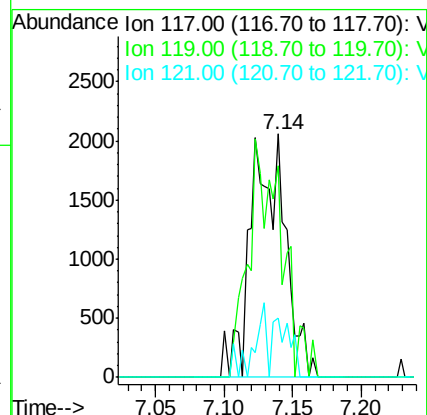
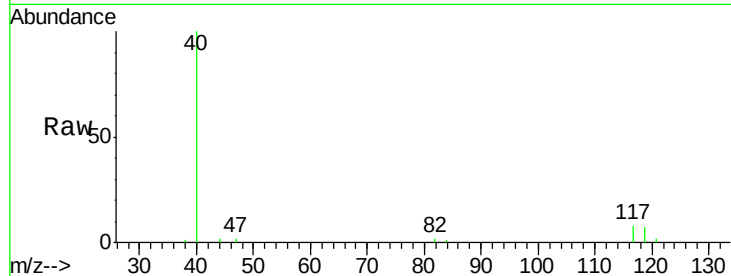
ClientSampleId :

VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	86.7	77.4	116.0
121	24.5	24.9	37.3#

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#38

Trichloroethene

Concen: 0.021 ppbv m

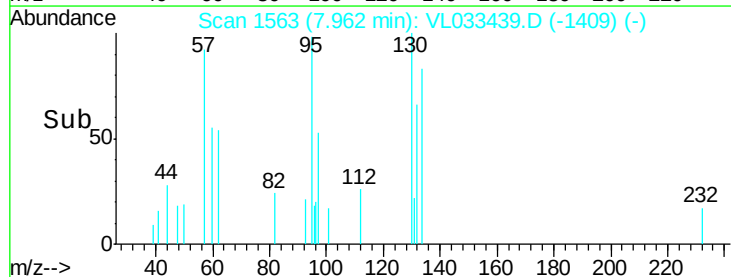
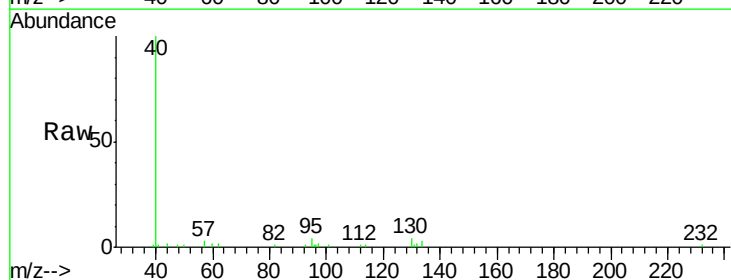
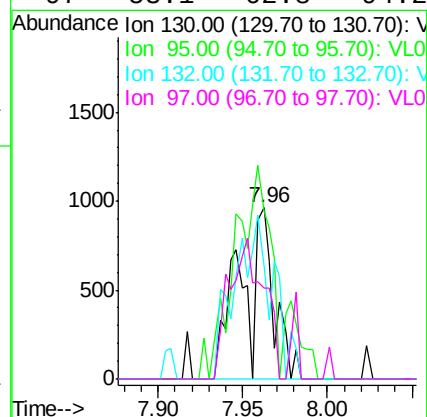
RT: 7.96 min Scan# 1563

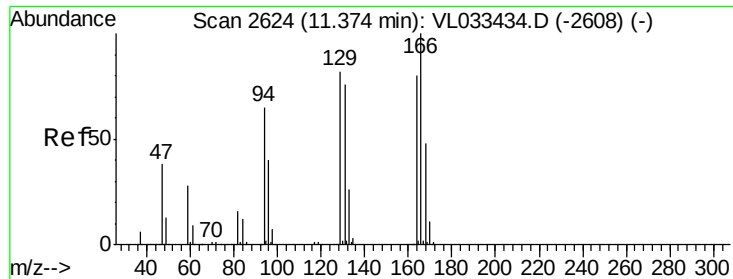
Delta R.T. -0.00 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	95.2	142.8
132	65.7	77.7	116.5#
97	53.1	62.8	94.2#





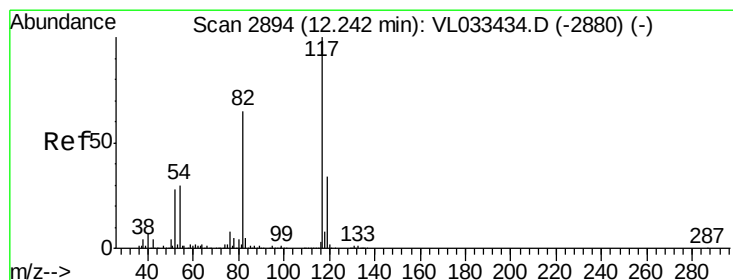
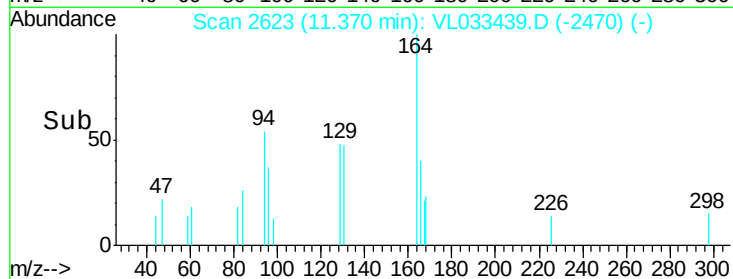
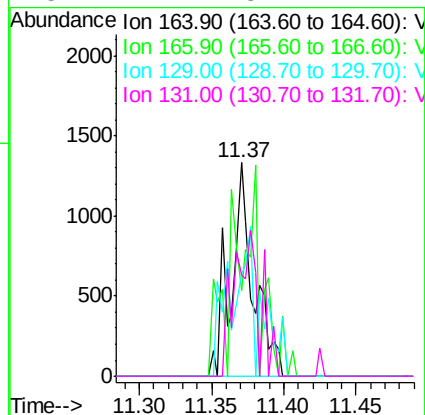
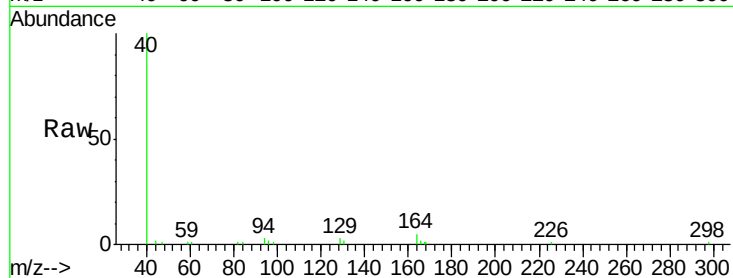
#52
Tetrachloroethene
Concen: 0.021 ppbv m
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033439.D
Acq: 25 Mar 2019 13:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	40.1	101.5	152.3#
129	48.2	82.2	123.2#
131	47.1	81.1	121.7#

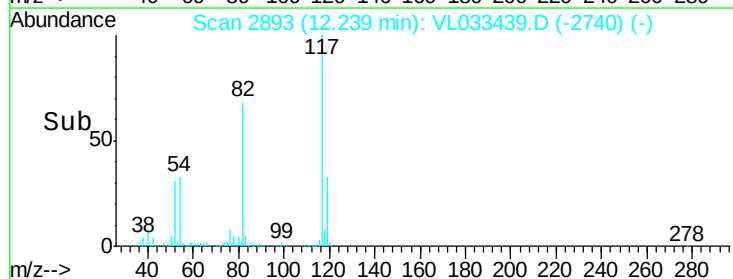
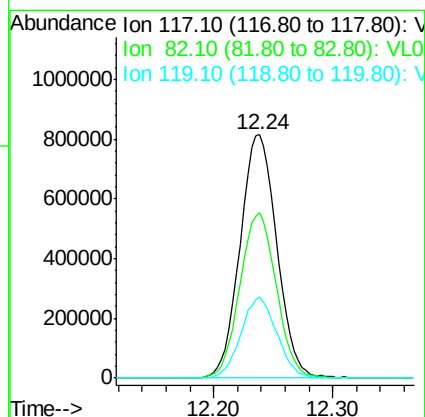
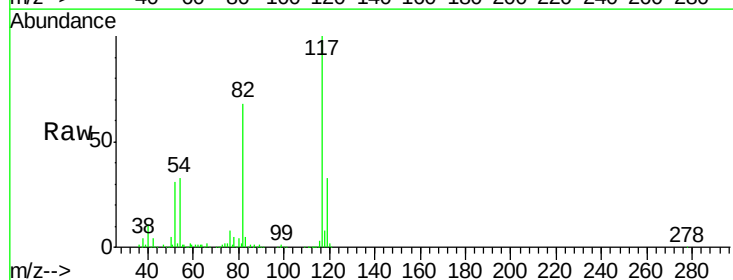
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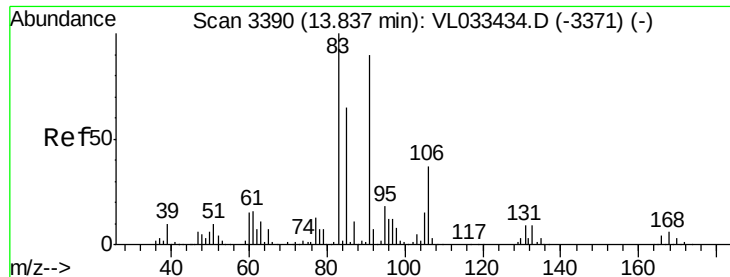
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033439.D
Acq: 25 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.9	53.4	80.2
119	32.6	27.3	40.9





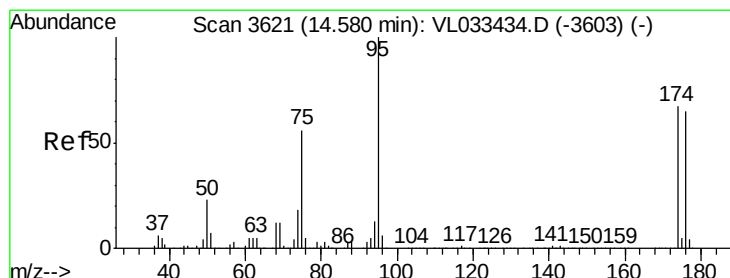
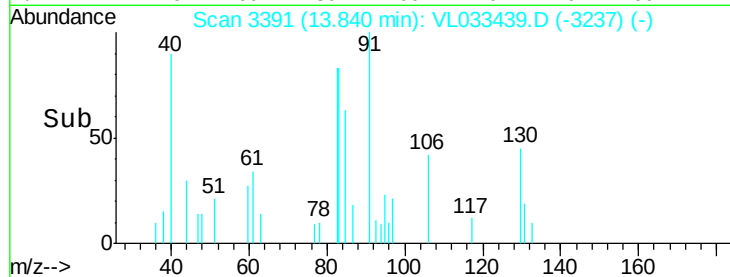
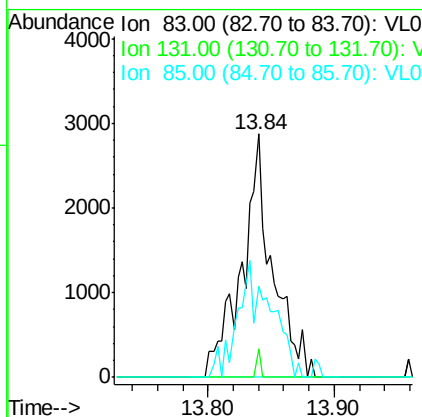
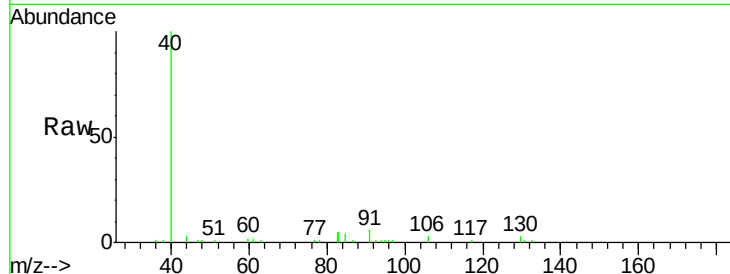
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.032 ppbv m
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VL033439.D
 Acq: 25 Mar 2019 13:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	54.7	32.5	97.4

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.733 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033439.D
 Acq: 25 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.3	51.5	77.3
175	4.6	3.8	5.6

