

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033261.D
 Acq On : 8 Mar 2019 15:55
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 10:10:17 AM

Quant Time: Mar 08 17:36:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 08 16:12:14 2019
 QLast Update : Fri Mar 08 16:12:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	944840	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2160665	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2452174	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1921401	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.29	62	2147m	0.034	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	4147m	0.026	ppbv	
35) Carbon Tetrachloride	7.13	117	4044m	0.025	ppbv	
38) Trichloroethene	7.96	130	2293m	0.030	ppbv	
52) Tetrachloroethene	11.37	164	1931m	0.026	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	4957m	0.025	ppbv	

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

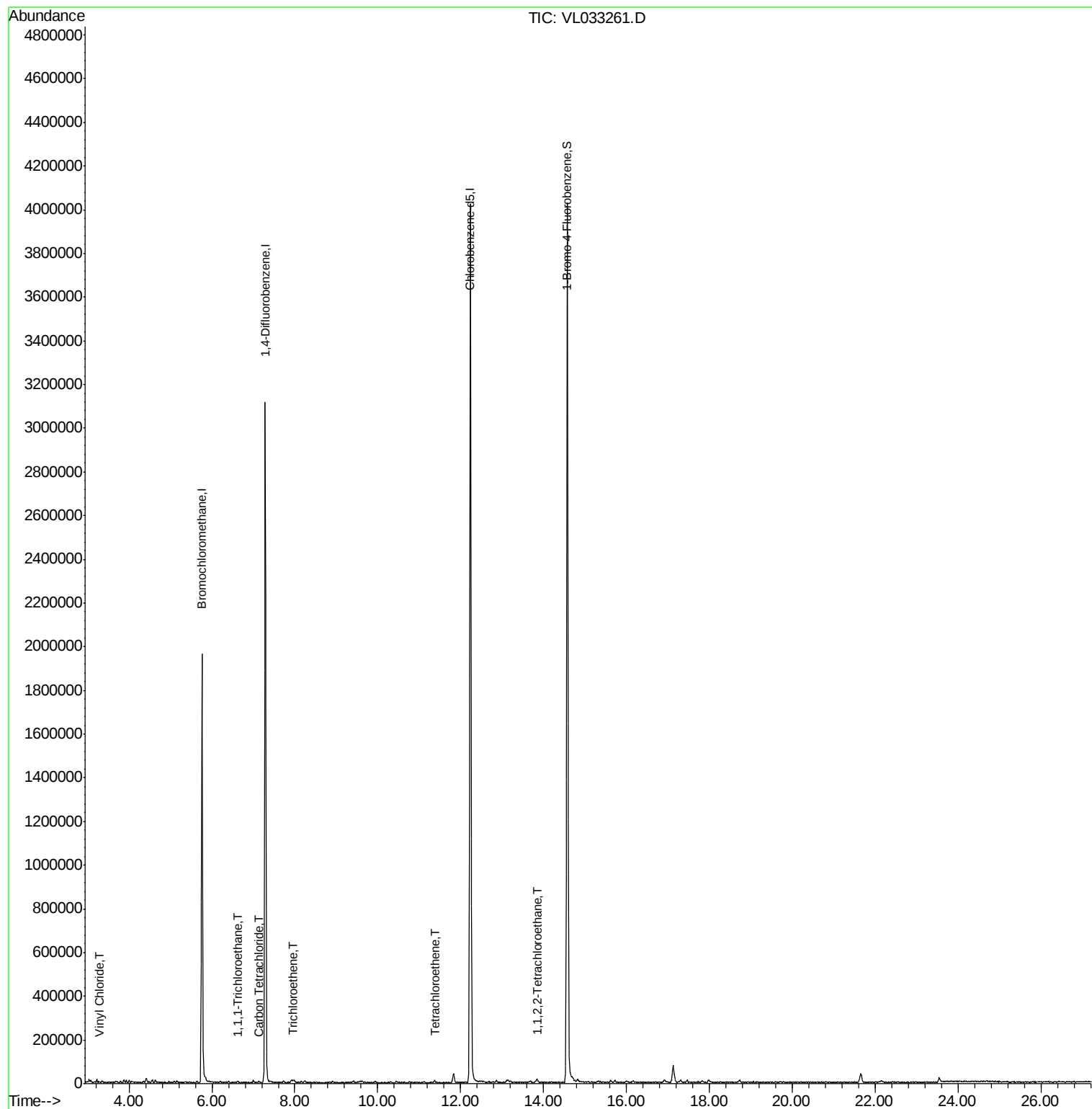
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030819\
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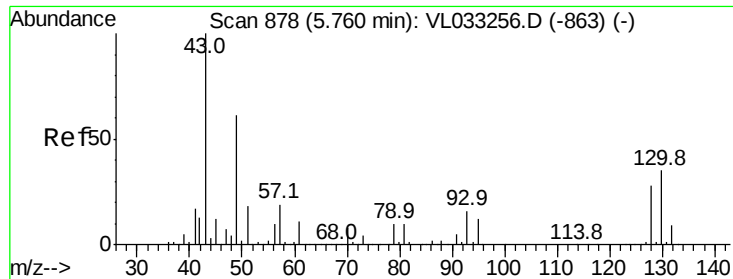
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
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QLast Update : Fri Mar 08 16:12:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033261.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_L

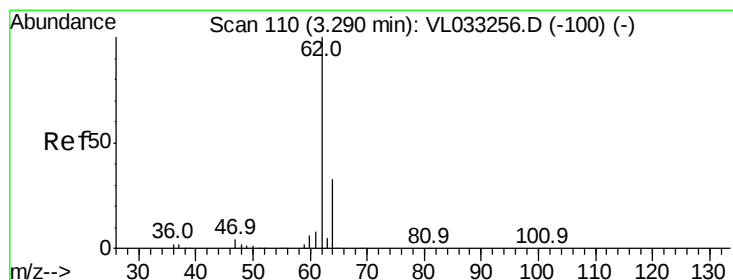
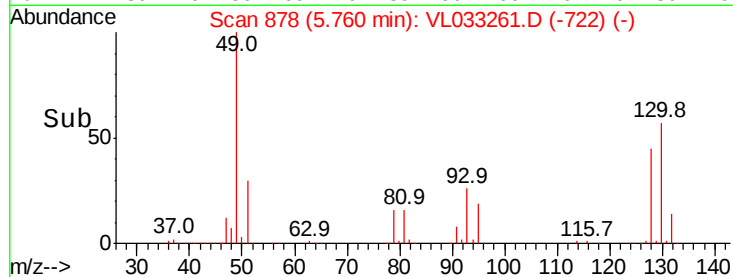
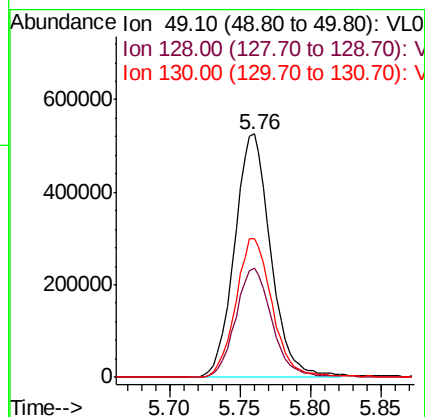
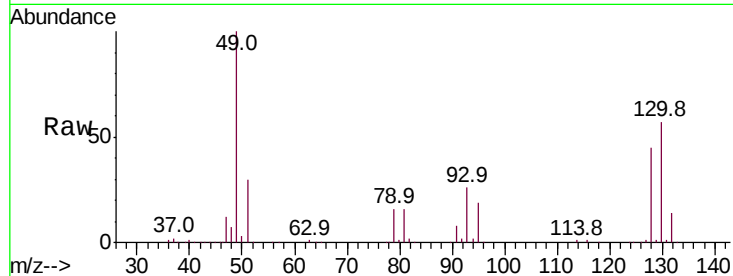
ClientSampleId :

VSTDIC0.03

Tot Ion:	49	Resp:	944840
Ion	Ratio	Lower	Upper
49	100		
128	45.5	22.5	67.5
130	58.3	29.1	87.4

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#5

Vinyl Chloride

Concen: 0.034 ppbv m

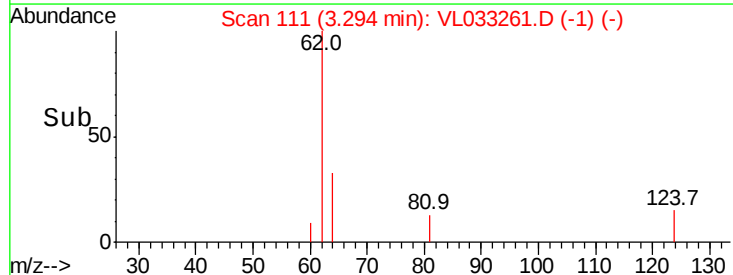
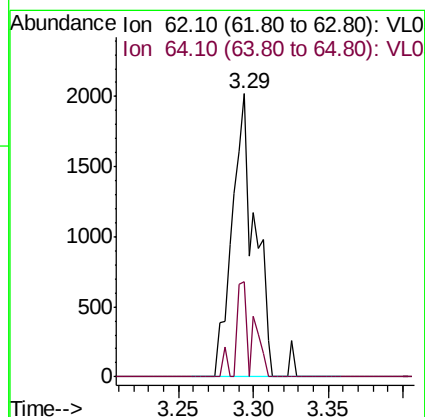
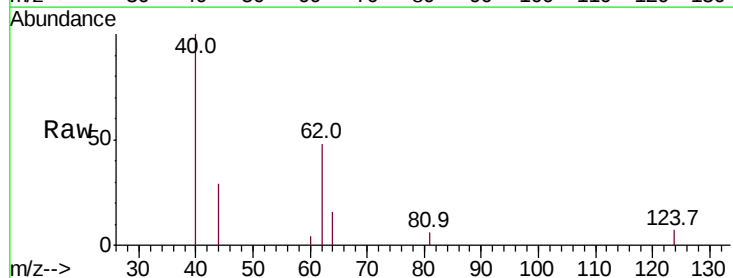
RT: 3.29 min Scan# 111

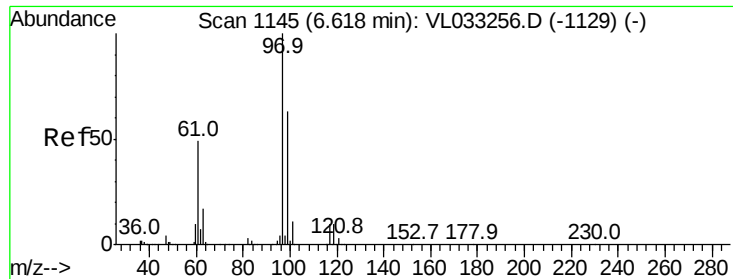
Delta R.T. 0.00 min

Lab File: VL033261.D

Acq: 8 Mar 2019 15:55

Tgt Ion:	62	Resp:	2147
Ion	Ratio	Lower	Upper
62	100		
64	33.5	26.4	39.6





#32

1,1,1-Trichloroethane

Concen: 0.026 ppbv m

RT: 6.62 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VL033261.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_L

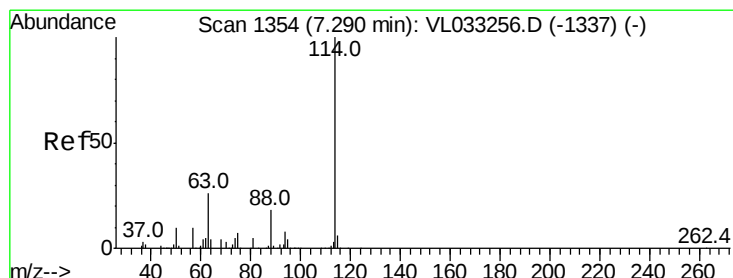
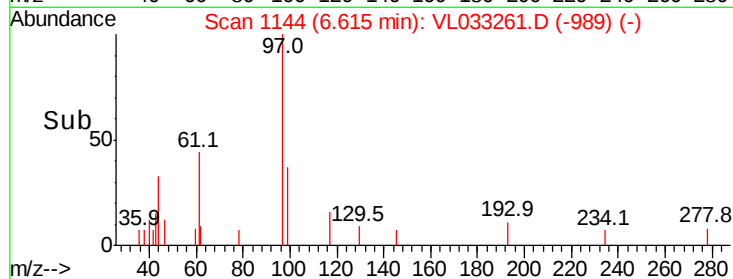
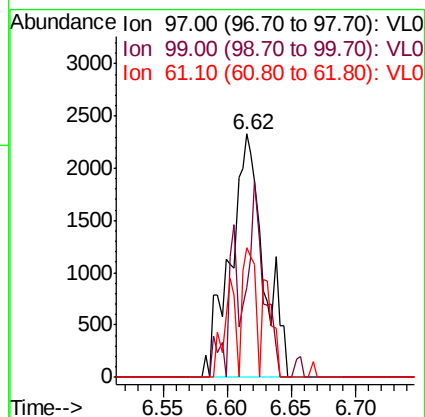
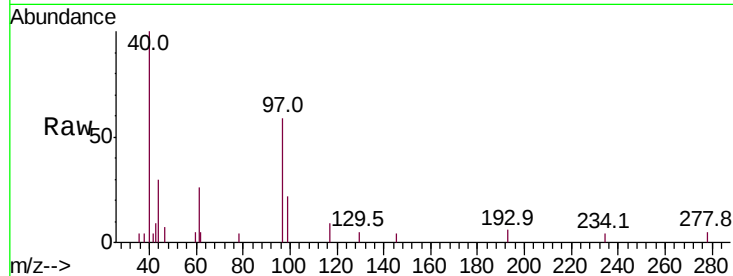
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	4147
Ion	Ratio	Lower	Upper
97	100		
99	59.0	51.6	77.4
61	48.0	40.8	61.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

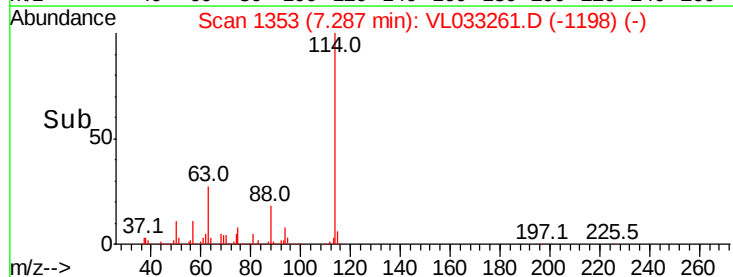
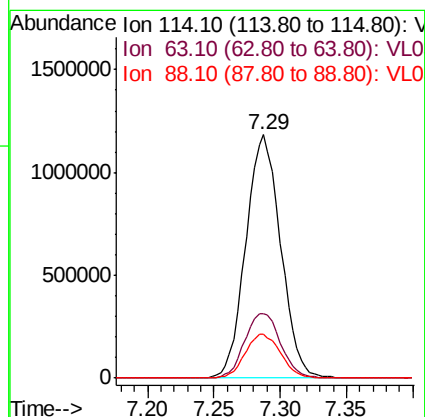
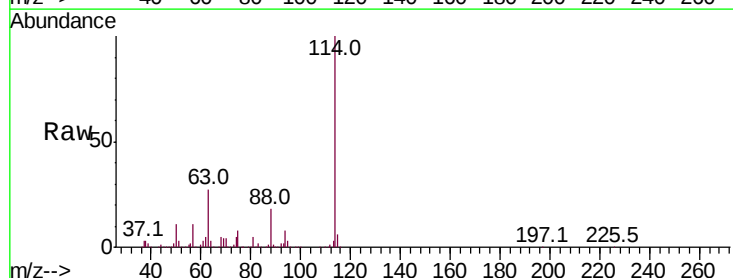
RT: 7.29 min Scan# 1353

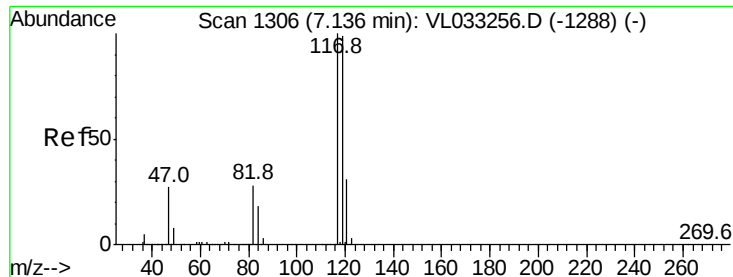
Delta R.T. -0.00 min

Lab File: VL033261.D

Acq: 8 Mar 2019 15:55

Tgt Ion:	114	Resp:	2160665
Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.2	33.2
88	18.5	14.6	22.0





#35

Carbon Tetrachloride

Concen: 0.025 ppbv m

RT: 7.13 min Scan# 1304

Delta R.T. -0.01 min

Lab File: VL033261.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_L

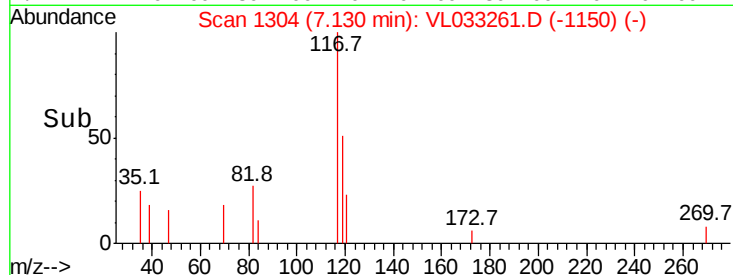
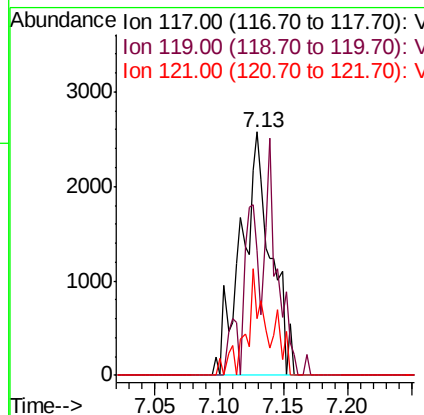
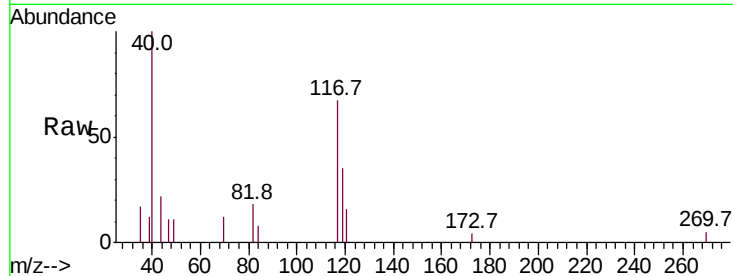
ClientSampleId :

VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	51.2	79.0	118.6#
121	23.1	24.7	37.1#

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#38

Trichloroethene

Concen: 0.030 ppbv m

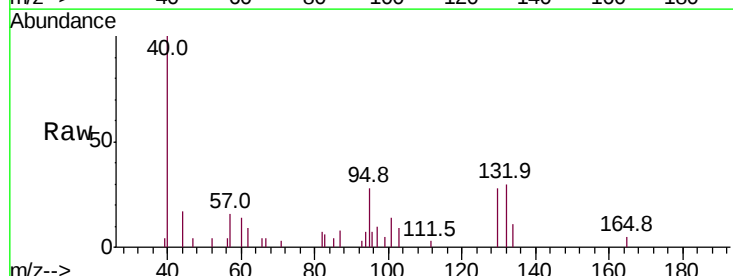
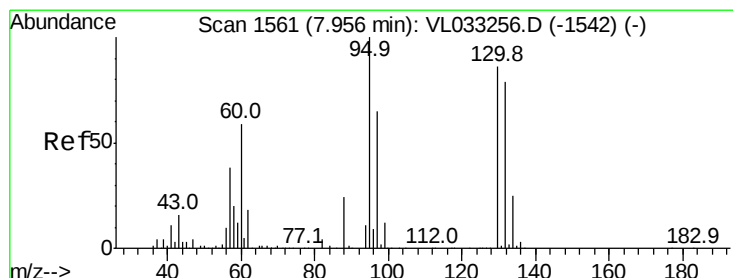
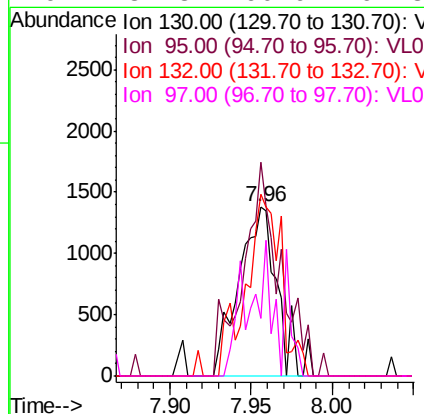
RT: 7.96 min Scan# 1561

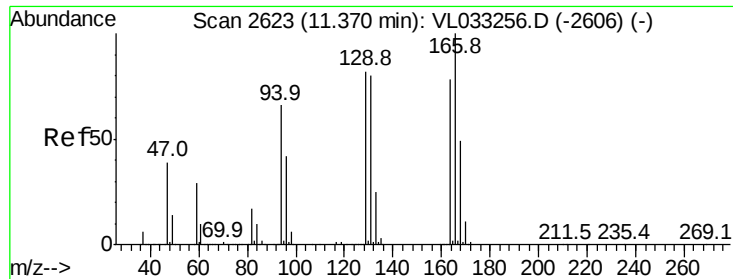
Delta R.T. 0.00 min

Lab File: VL033261.D

Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	93.4	140.0
132	107.0	74.0	111.0
97	34.3	60.9	91.3#





#52

Tetrachloroethene

Concen: 0.026 ppbv m

RT: 11.37 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL033261.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 1931

Ion Ratio Lower Upper

164 100

166 51.7 102.0 153.0#

129 86.1 83.2 124.8

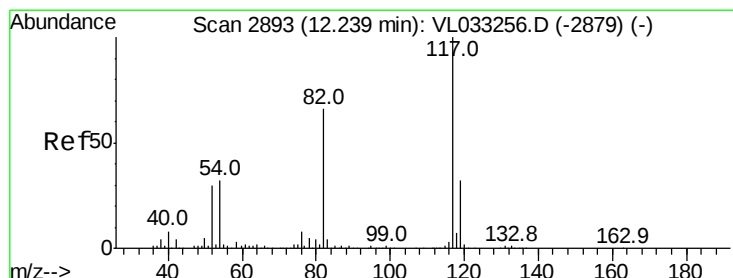
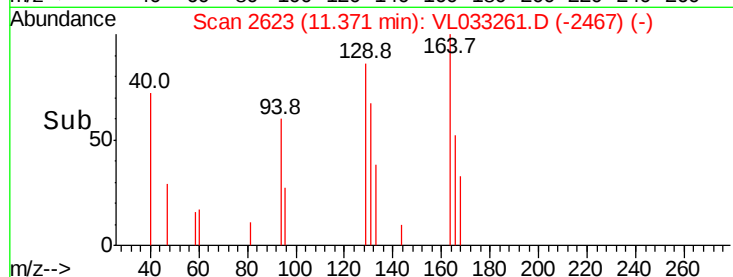
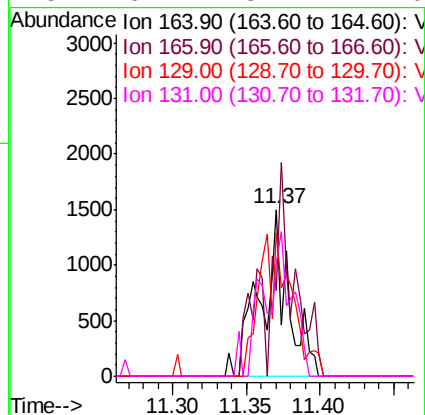
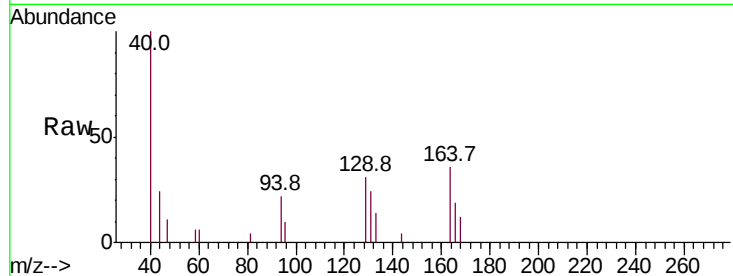
131 67.2 81.4 122.0#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033261.D

Acq: 8 Mar 2019 15:55

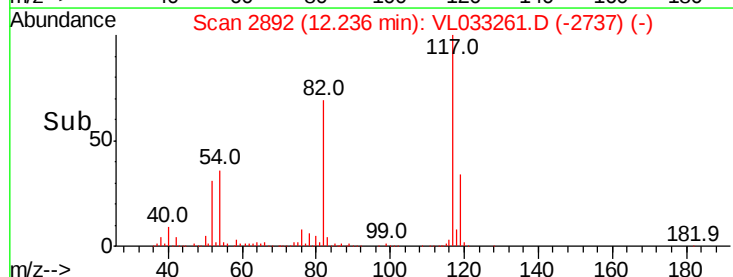
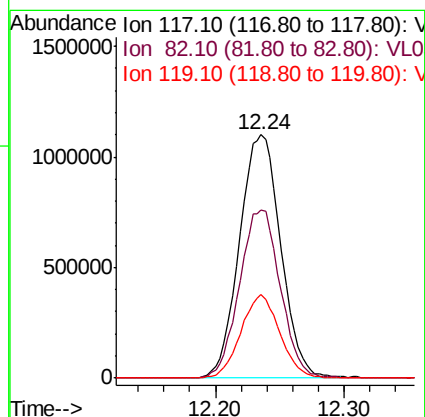
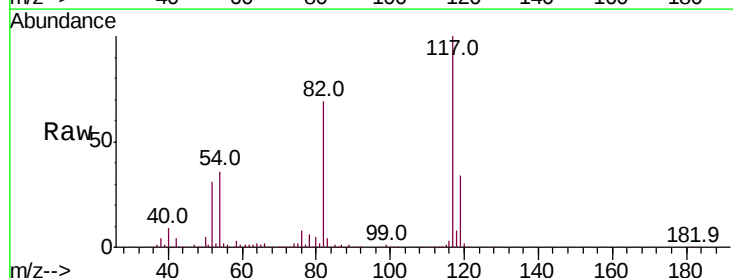
Tgt Ion:117 Resp: 2452174

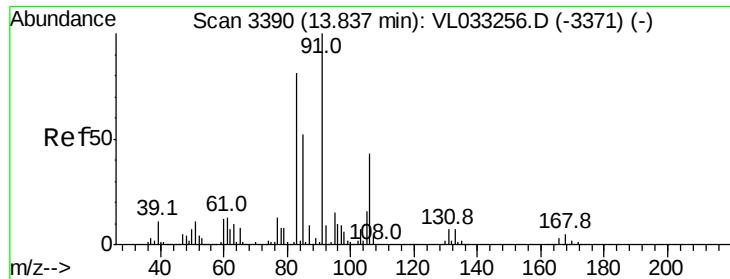
Ion Ratio Lower Upper

117 100

82 69.0 52.2 78.4

119 32.4 43.4 65.2#





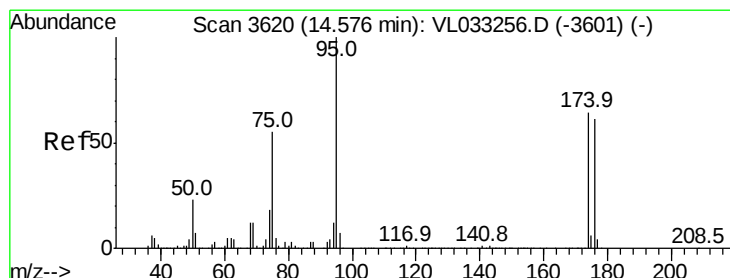
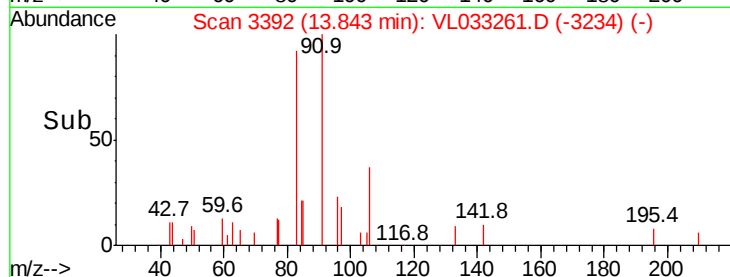
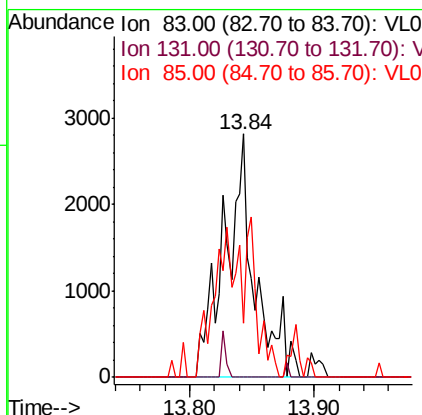
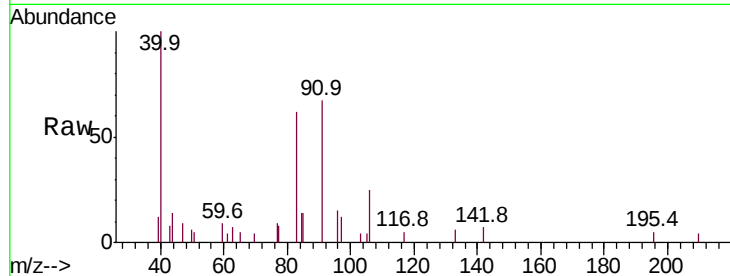
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.025 ppbv m
 RT: 13.84 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: VL033261.D
 Acq: 8 Mar 2019 15:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	0.0	32.4	97.0#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.326 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033261.D
 Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.4	51.7	77.5
175	4.5	3.8	5.8

