

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033277.D
 Acq On : 12 Mar 2019 5:31
 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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 3/14/2019 5:05:47 AM

Quant Time: Mar 12 06:49:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 12 06:49:19 2019
 QLast Update : Tue Mar 12 04:49:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	917989	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2086879	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2074732	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.57	95	1637488	9.86	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.30	62	2248	0.038	ppbv	# 44
32) 1,1,1-Trichloroethane	6.62	97	5133m	0.036	ppbv	
35) Carbon Tetrachloride	7.13	117	5564m	0.039	ppbv	
38) Trichloroethene	7.96	130	2755m	0.039	ppbv	
52) Tetrachloroethene	11.37	164	2300m	0.034	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.85	83	4578m	0.029	ppbv	

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

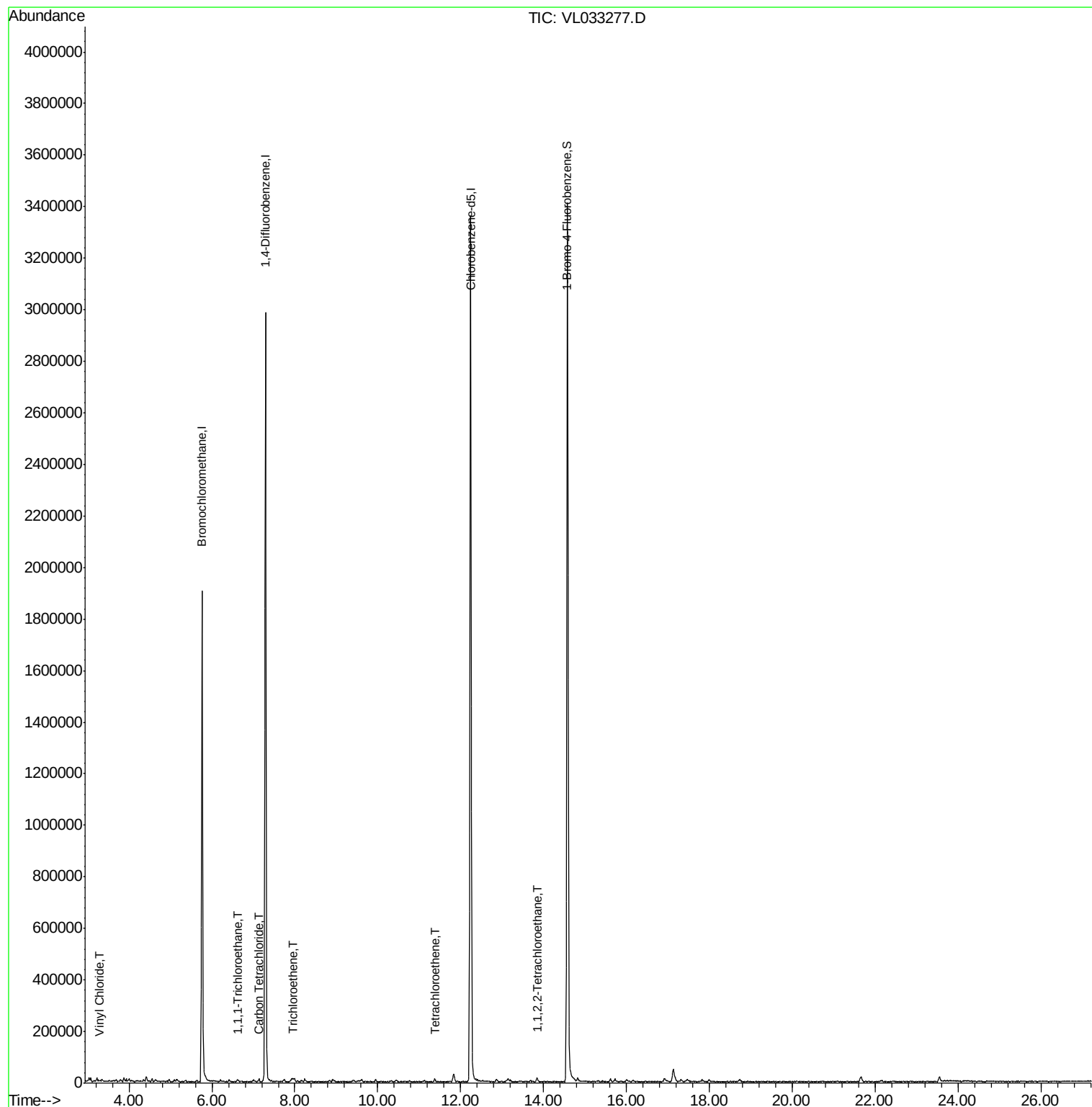
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
Data File : VL033277.D
Acq On : 12 Mar 2019 5:31
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

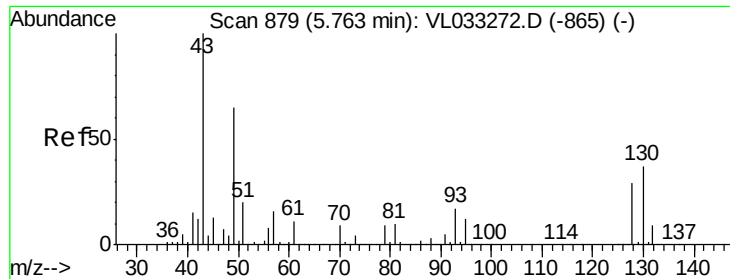
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Mar 12 06:49:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar
QLast Update : Tue Mar 12 04:49:55 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033277.D

Acq: 12 Mar 2019 5:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 49 Resp: 917989
Ion Ratio Lower Upper

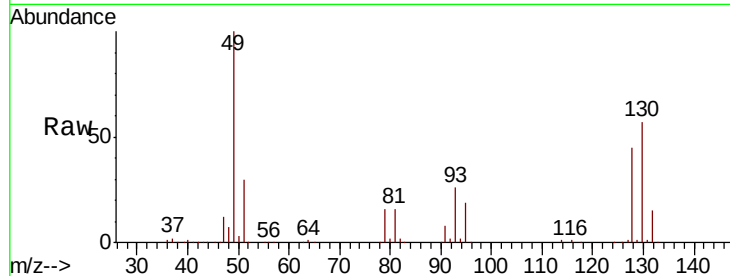
49 100

128 45.4 23.3 69.9

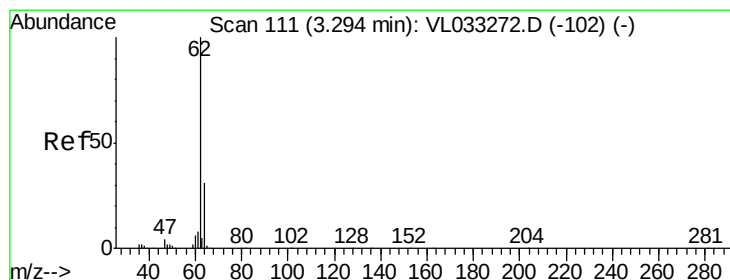
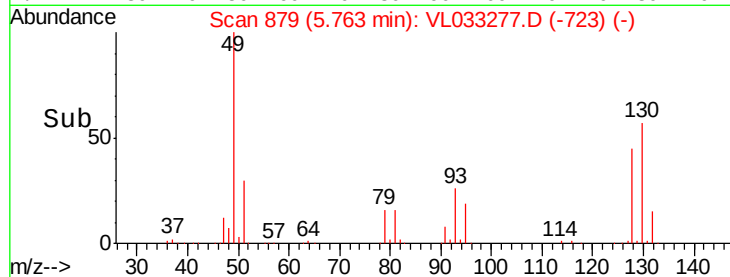
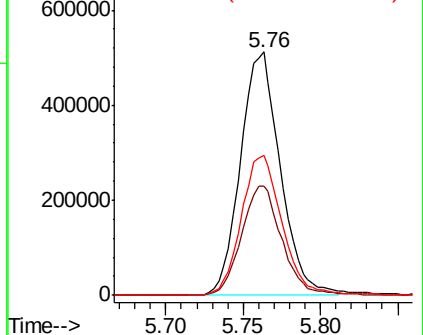
130 59.0 30.0 90.1

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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: 0.038 ppbv

RT: 3.30 min Scan# 113

Delta R.T. 0.01 min

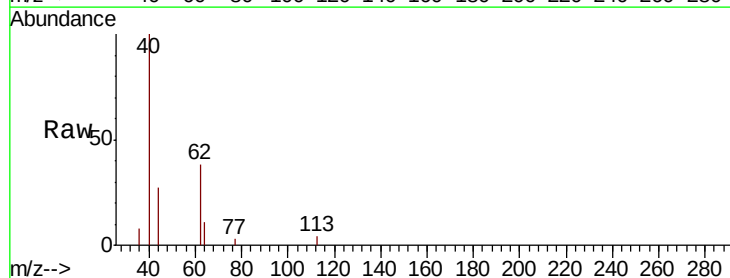
Lab File: VL033277.D

Acq: 12 Mar 2019 5:31

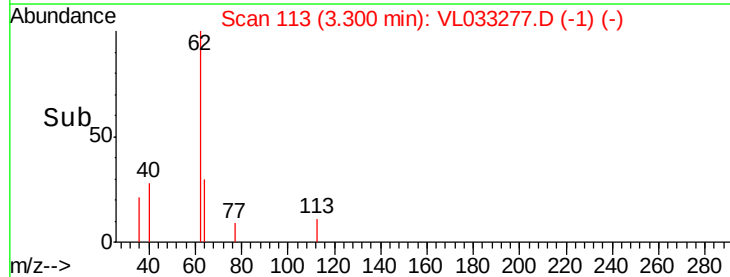
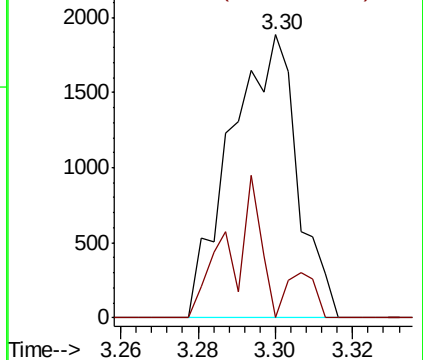
Tgt Ion: 62 Resp: 2248
Ion Ratio Lower Upper

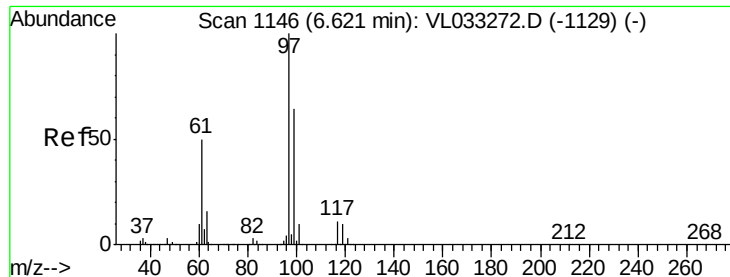
62 100

64 0.0 24.5 36.7#



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: 0.036 ppbv m

RT: 6.62 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL033277.D

Acq: 12 Mar 2019 5:31

Instrument :

MSVOA_L

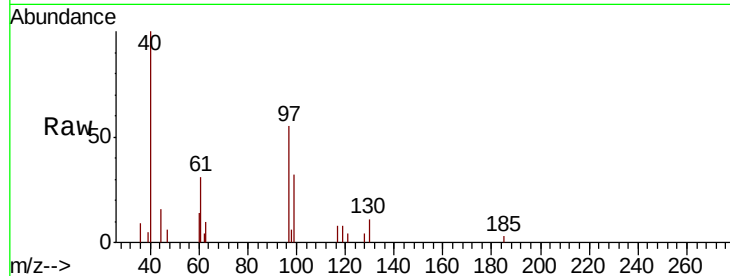
ClientSampleId :

VSTDIC0.03

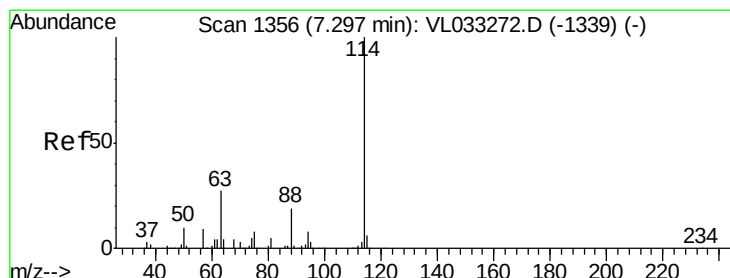
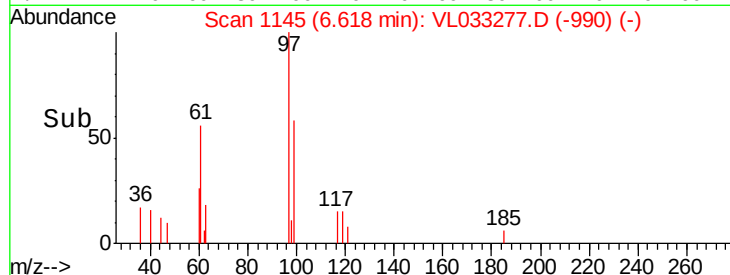
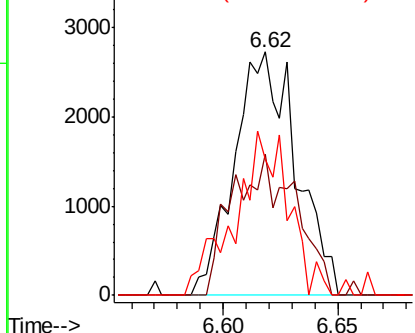
Tgt Ion:	97	Resp:	5133
Ion	Ratio	Lower	Upper
97	100		
99	59.8	51.7	77.5
61	58.7	39.7	59.5

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

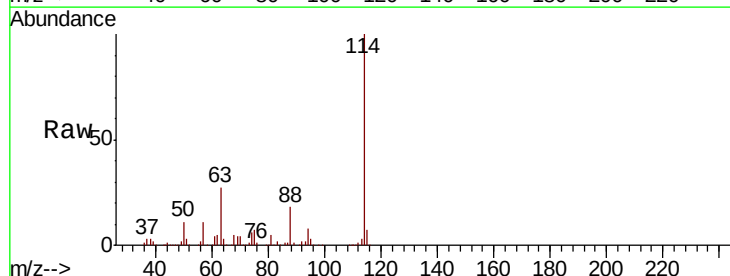
RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

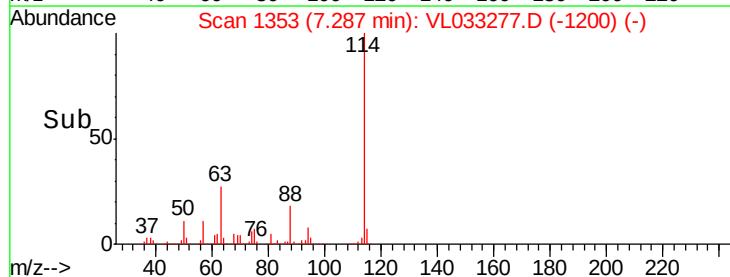
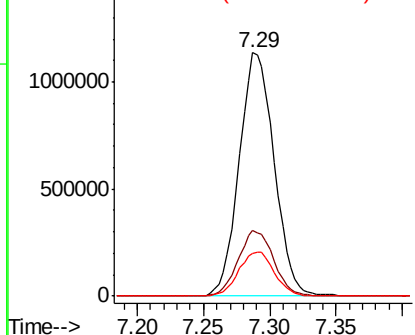
Lab File: VL033277.D

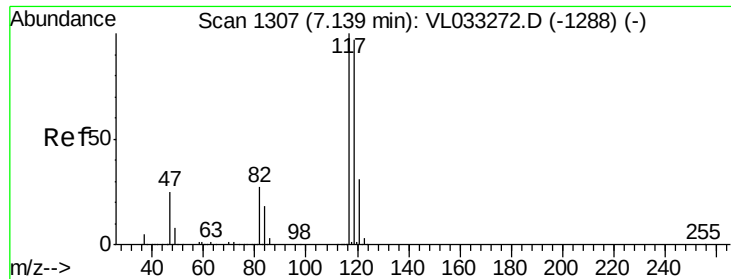
Acq: 12 Mar 2019 5:31

Tgt Ion:	114	Resp:	2086879
Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.5	32.3
88	18.4	14.6	22.0



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.039 ppbv m

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033277.D

Acq: 12 Mar 2019 5:31

Instrument :

MSVOA_L

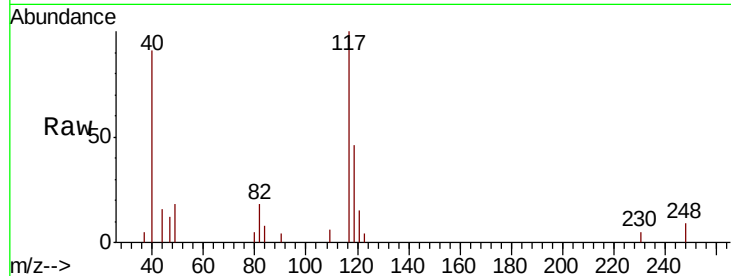
ClientSampleId :

VSTDIC0.03

Tgt Ion:	117	Resp:	5564
Ion Ratio	Lower	Upper	
117	100		
119	46.5	77.4	116.0#
121	15.5	24.9	37.3#

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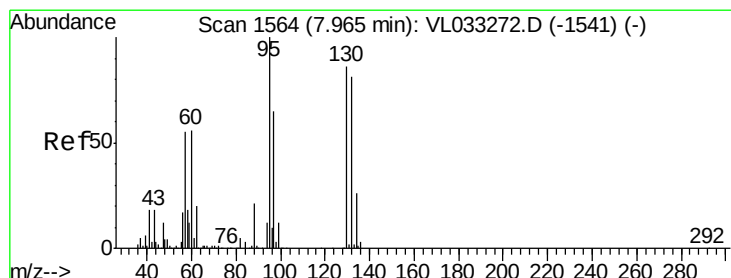
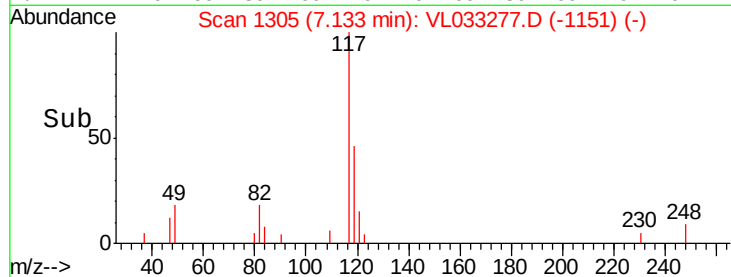
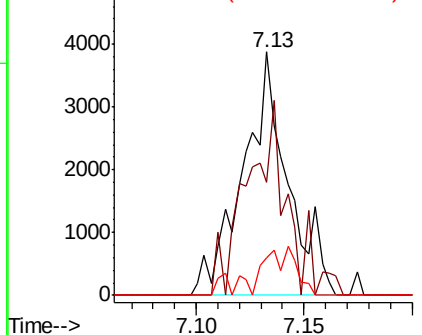


Abundance

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: 0.039 ppbv m

RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL033277.D

Acq: 12 Mar 2019 5:31

Tgt Ion:	130	Resp:	2755
Ion Ratio	Lower	Upper	
130	100		
95	87.5	93.3	139.9#
132	100.0	75.4	113.2
97	77.3	60.6	91.0

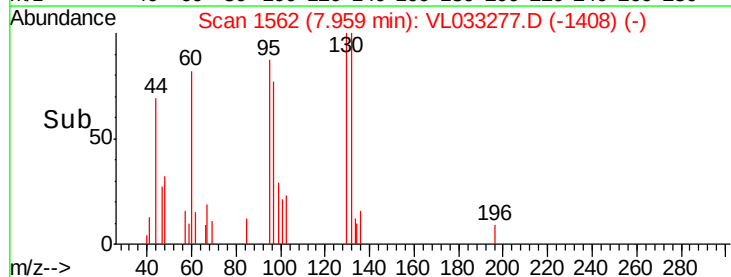
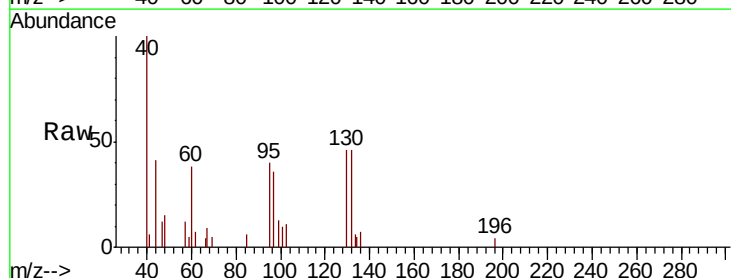
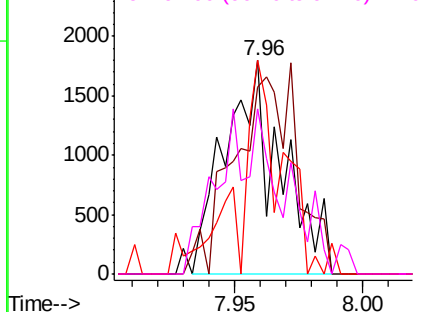
Abundance

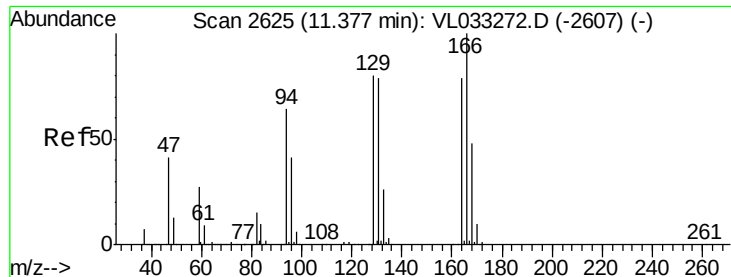
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





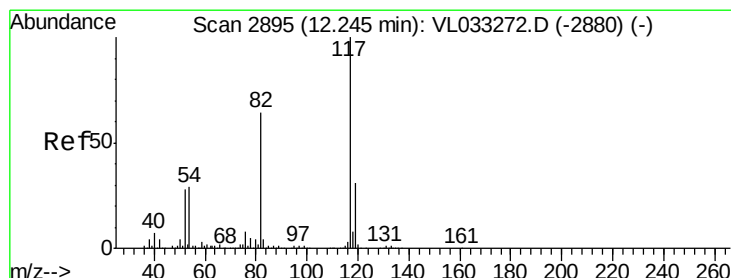
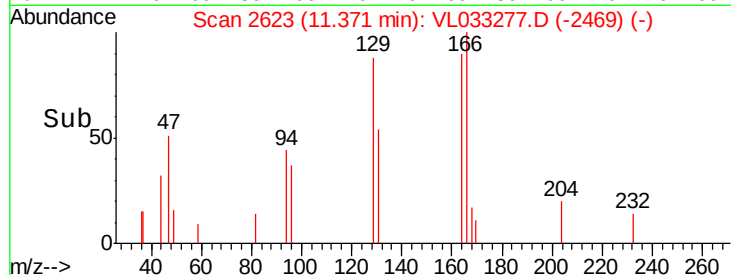
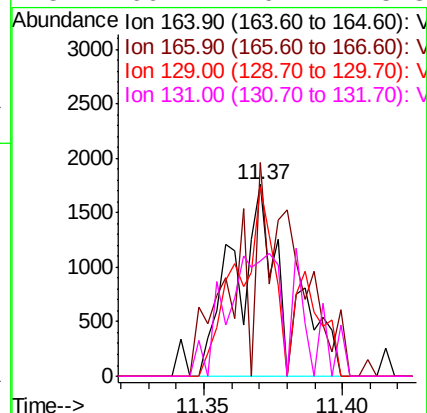
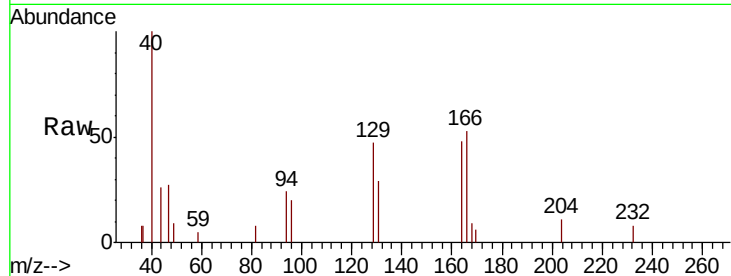
#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033277.D
Acq: 12 Mar 2019 5:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.6	100.8	151.2
129	98.7	80.6	121.0
131	60.4	79.2	118.8#

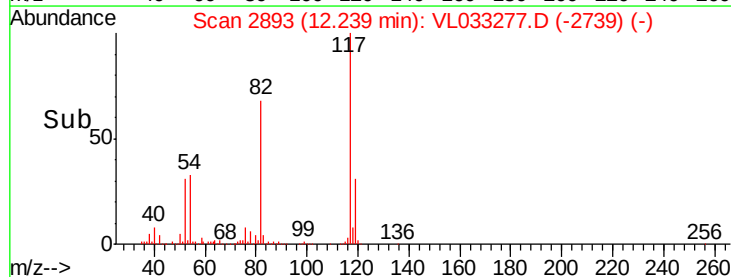
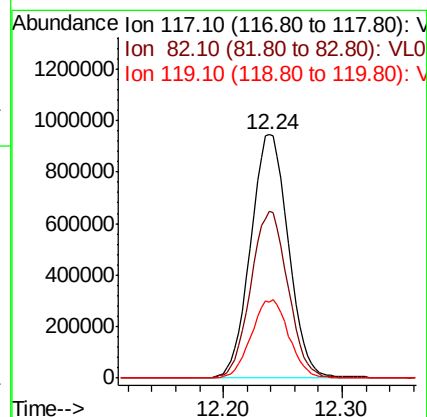
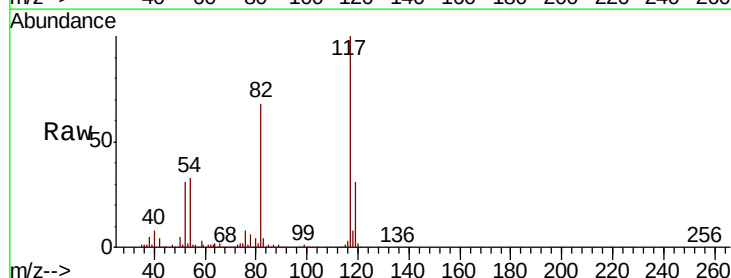
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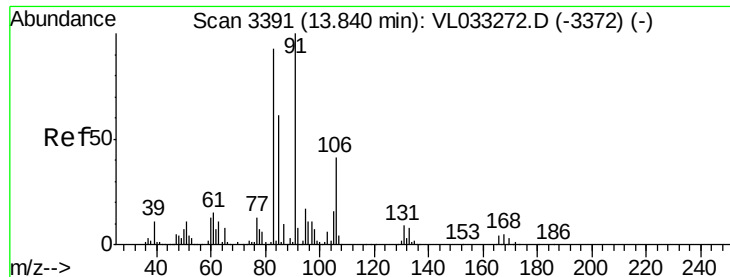
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033277.D
Acq: 12 Mar 2019 5:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.9	51.1	76.7
119	32.1	43.6	65.4#





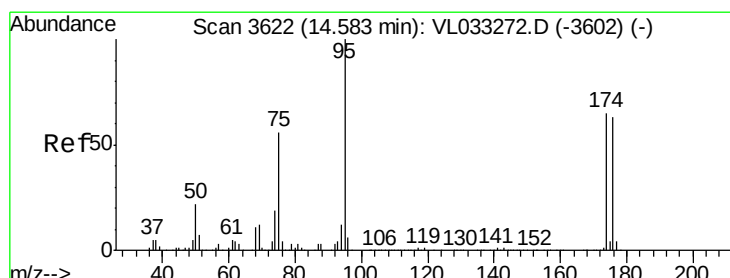
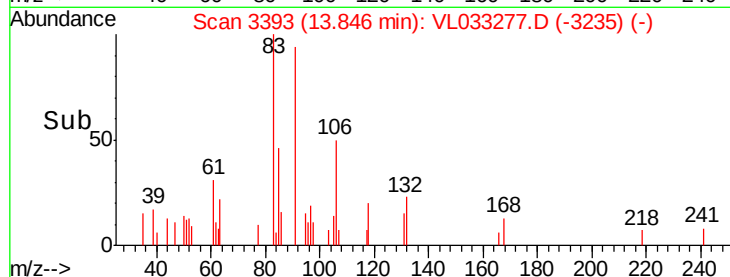
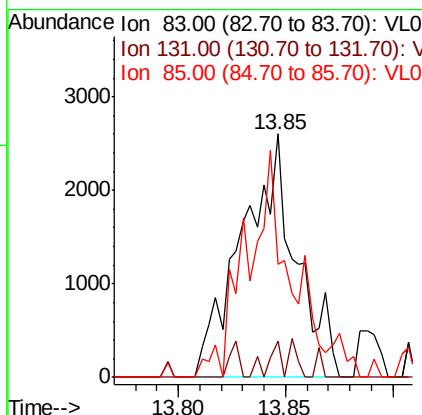
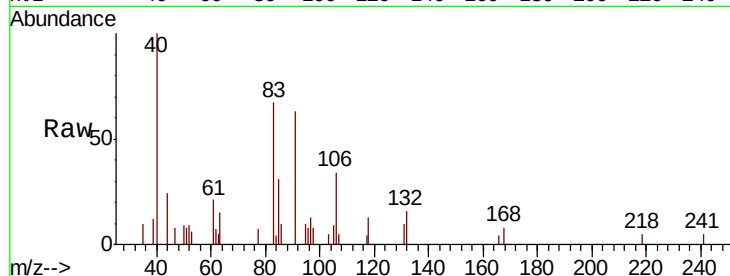
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.029 ppbv m
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL033277.D
 Acq: 12 Mar 2019 5:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.7#
85	0.0	32.2	96.6#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.861 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033277.D
 Acq: 12 Mar 2019 5:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.6	51.7	77.5
175	4.6	3.7	5.5

