

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033276.D
 Acq On : 12 Mar 2019 4:53
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:05:45 AM

Quant Time: Mar 12 05:32:31 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 05:32:31 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	948318	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2146614	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2102027	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1685192	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.30	62	5994	0.099	ppbv	# 82
32) 1,1,1-Trichloroethane	6.62	97	14776m	0.101	ppbv	
35) Carbon Tetrachloride	7.13	117	14247	0.097	ppbv	92
38) Trichloroethene	7.96	130	7388m	0.103	ppbv	
52) Tetrachloroethene	11.37	164	6844m	0.099	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	15581m	0.097	ppbv	

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

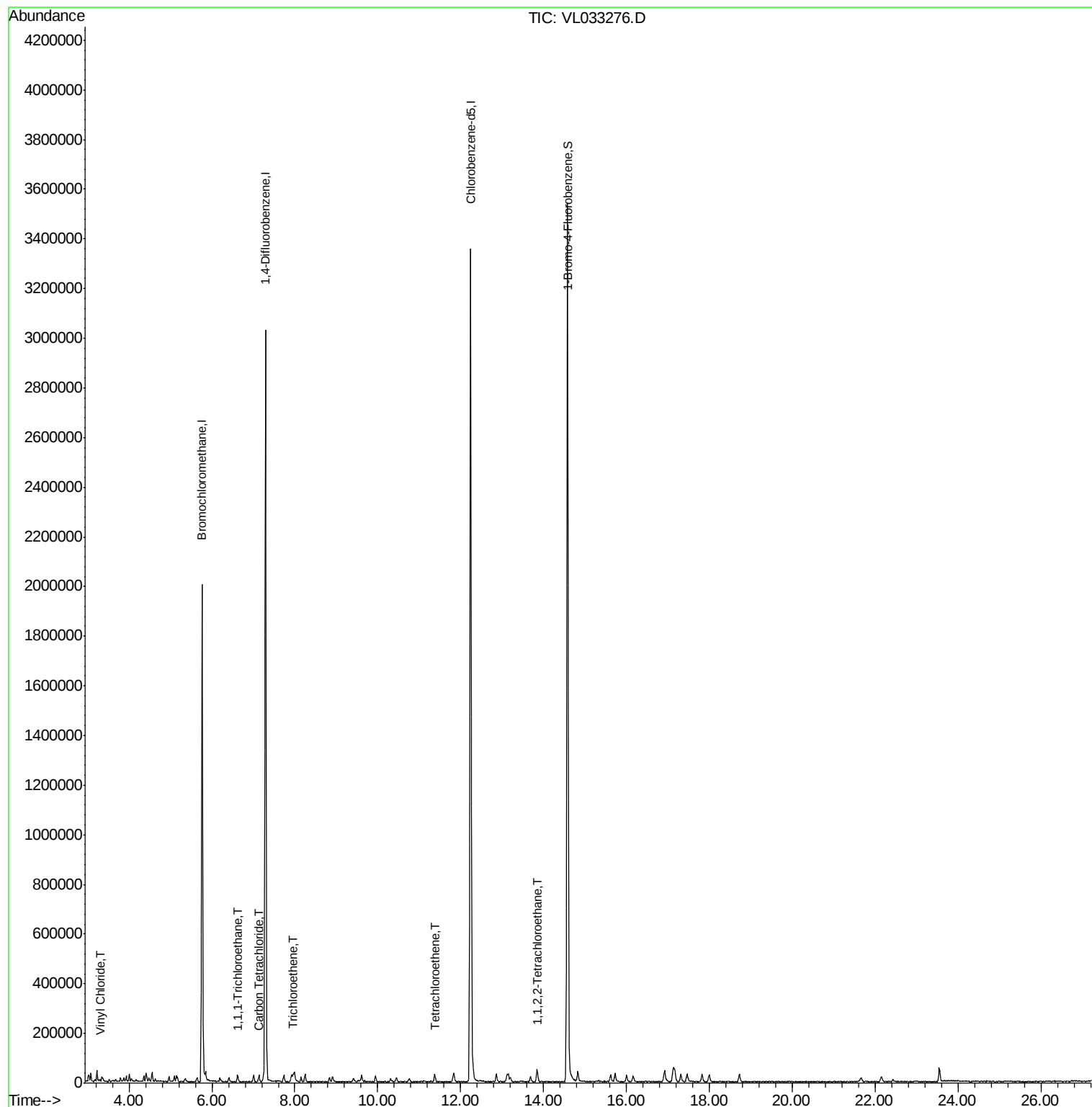
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
Data File : VL033276.D
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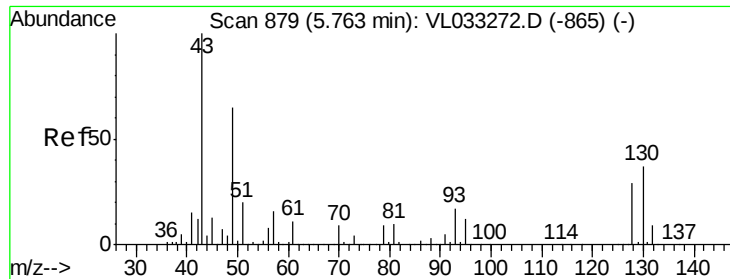
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
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QLast Update : Tue Mar 12 04:49:55 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: VL033276.D

Acq: 12 Mar 2019 4:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 49 Resp: 948318

Ion Ratio Lower Upper

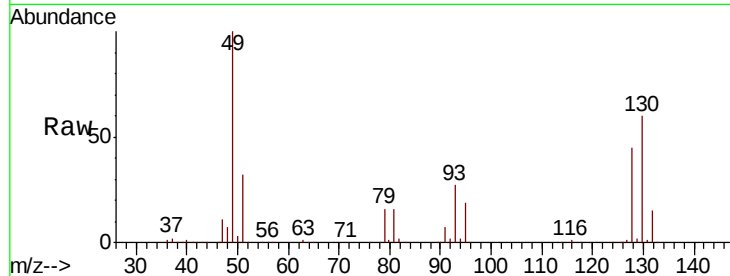
49 100

128 46.6 23.3 69.9

130 59.9 30.0 90.1

Manual Integrations
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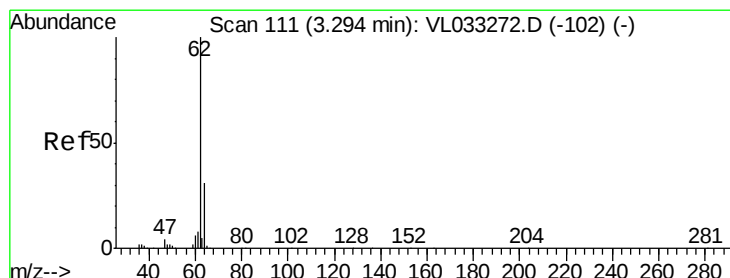
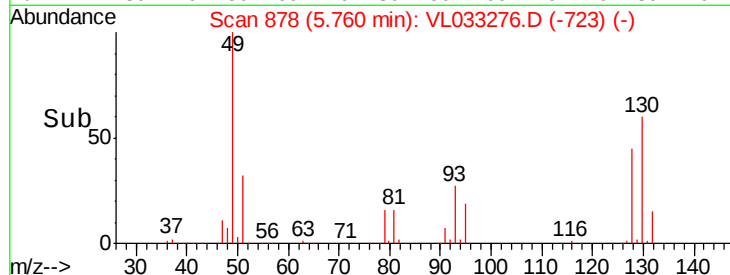
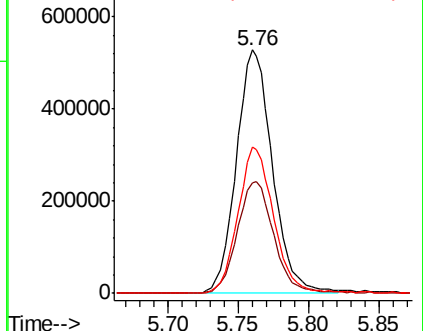
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.099 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL033276.D

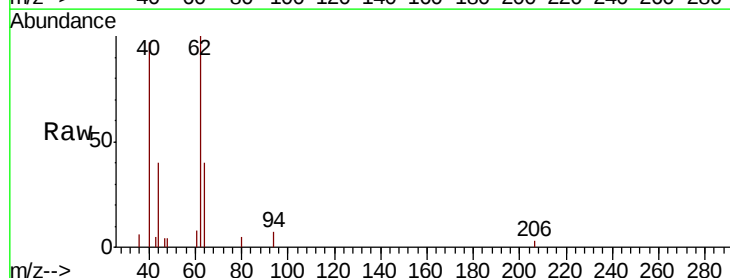
Acq: 12 Mar 2019 4:53

Tgt Ion: 62 Resp: 5994

Ion Ratio Lower Upper

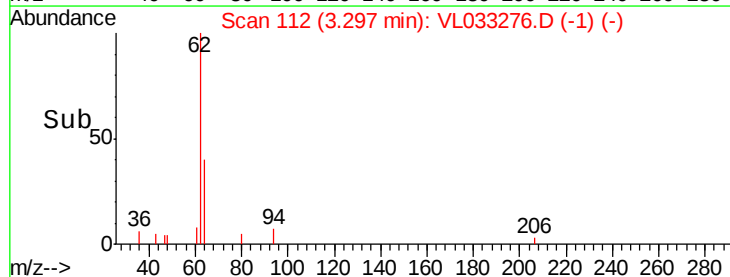
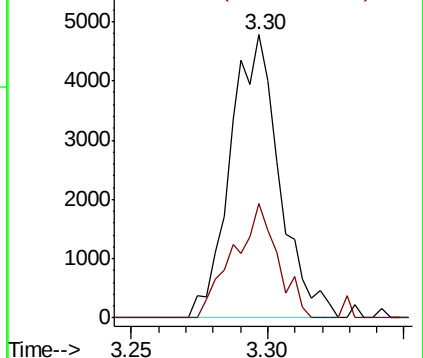
62 100

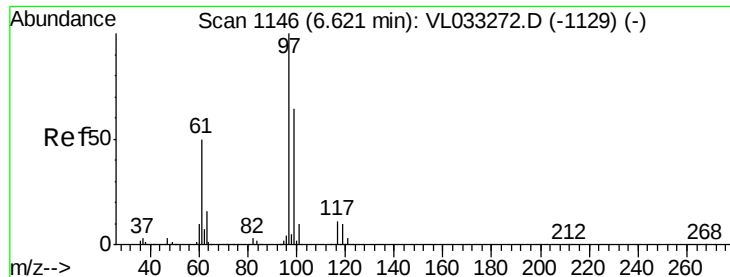
64 40.3 24.5 36.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





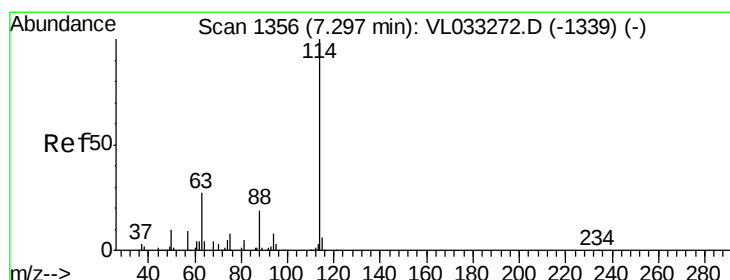
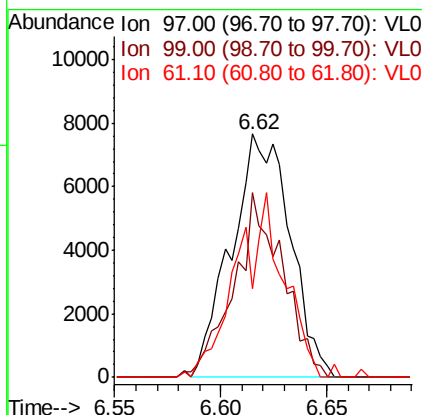
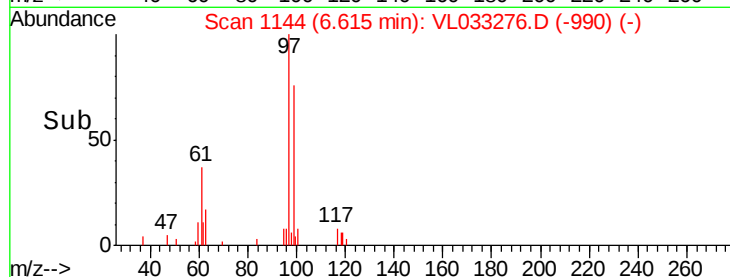
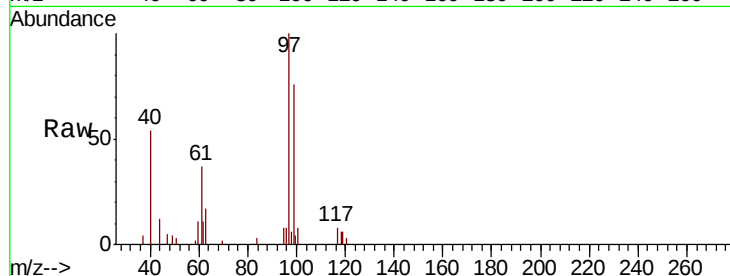
#32
 1,1,1-Trichloroethane
 Concen: 0.101 ppbv m
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL033276.D
 Acq: 12 Mar 2019 4:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	61.2	39.7	59.5#

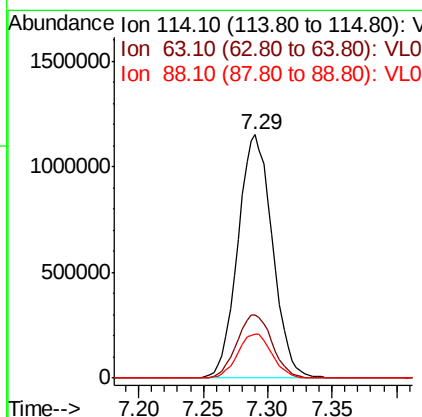
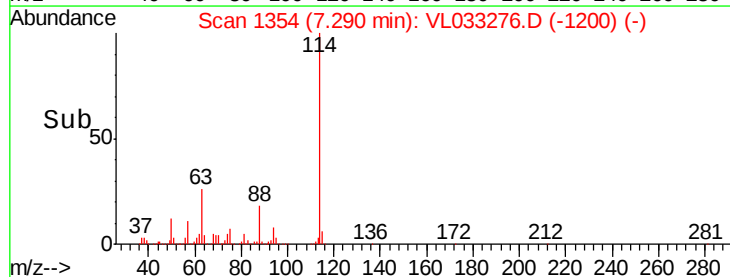
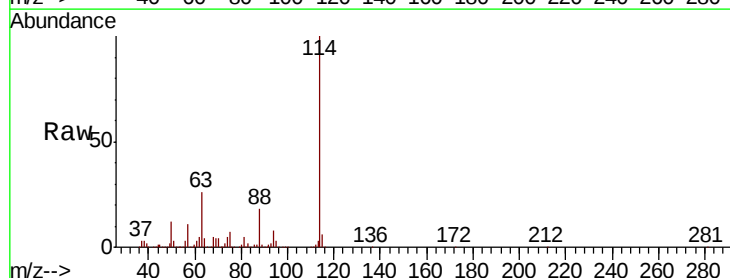
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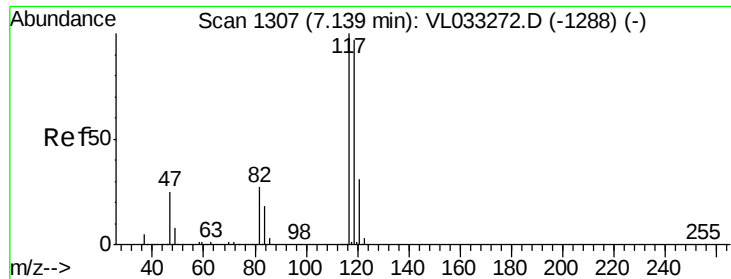
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033276.D
 Acq: 12 Mar 2019 4:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.5	32.3
88	18.1	14.6	22.0





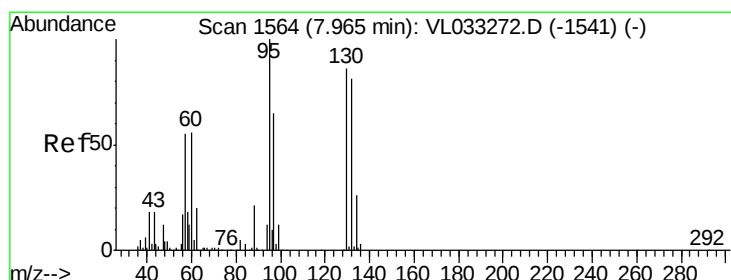
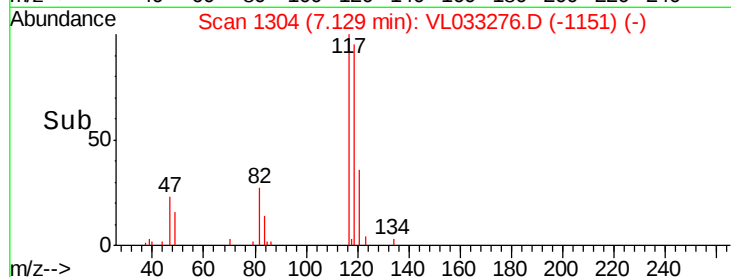
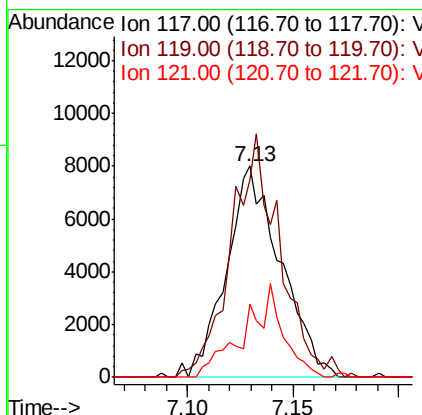
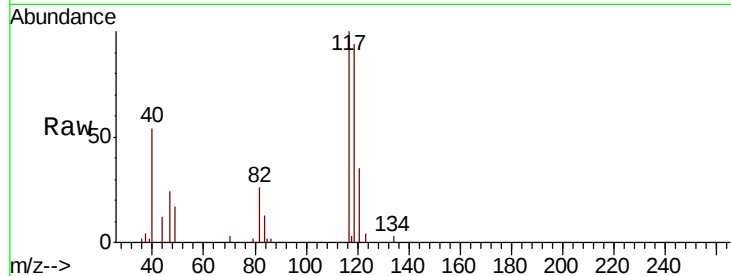
#35
Carbon Tetrachloride
Concen: 0.097 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.4	77.4	116.0
121	33.8	24.9	37.3

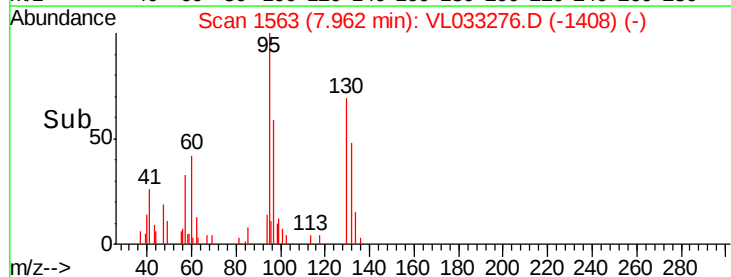
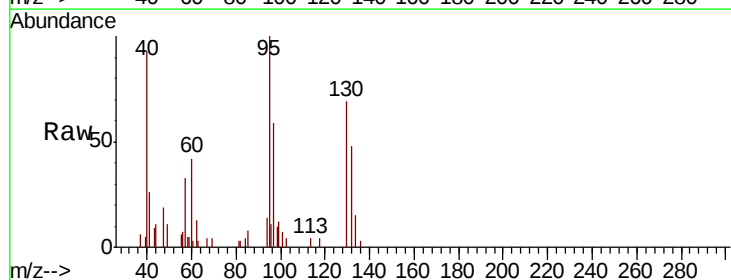
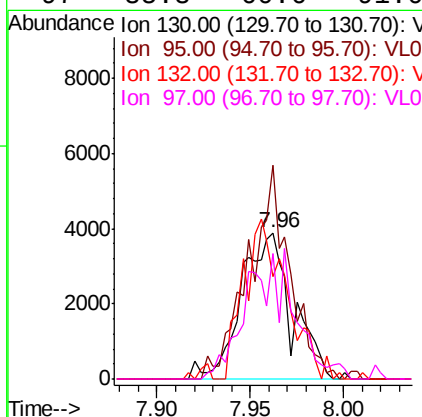
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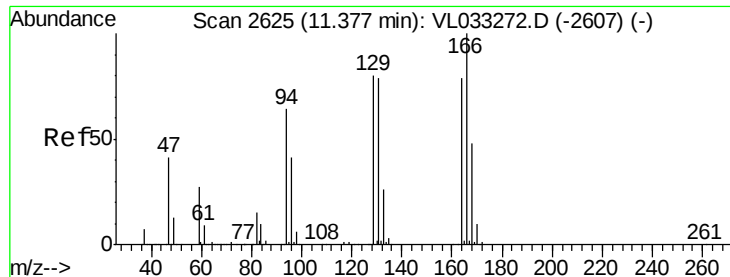
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#38
Trichloroethene
Concen: 0.103 ppbv m
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	145.8	93.3	139.9#
132	70.0	75.4	113.2#
97	85.8	60.6	91.0





#52

Tetrachloroethene

Concen: 0.099 ppbv m

RT: 11.37 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL033276.D

Acq: 12 Mar 2019 4:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:164 Resp: 6844

Ion Ratio Lower Upper

164 100

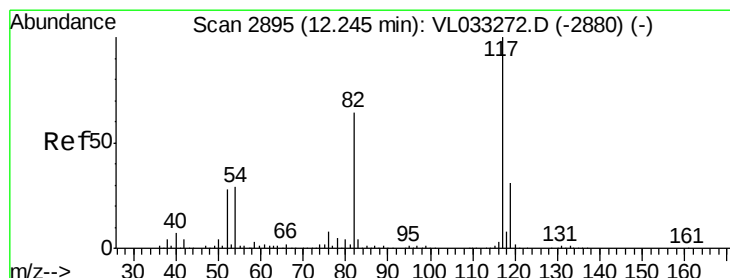
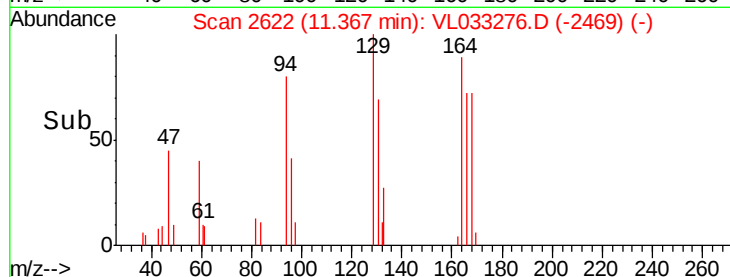
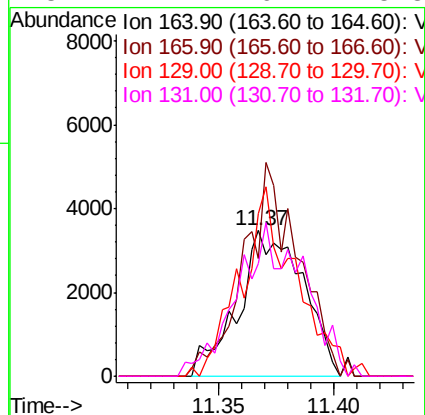
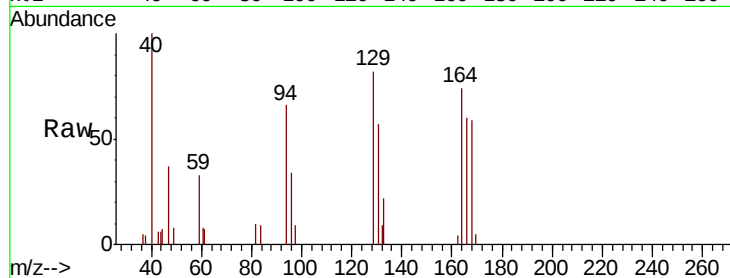
166 80.9 100.8 151.2#

129 111.9 80.6 121.0

131 77.1 79.2 118.8#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033276.D

Acq: 12 Mar 2019 4:53

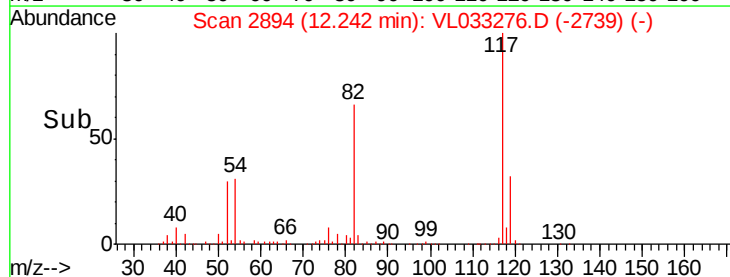
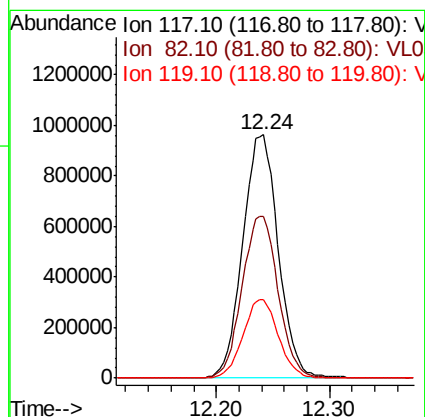
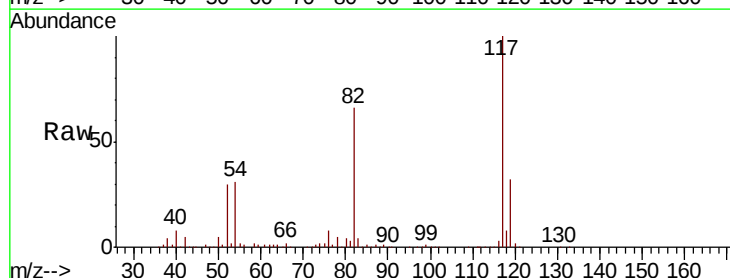
Tgt Ion:117 Resp: 2102027

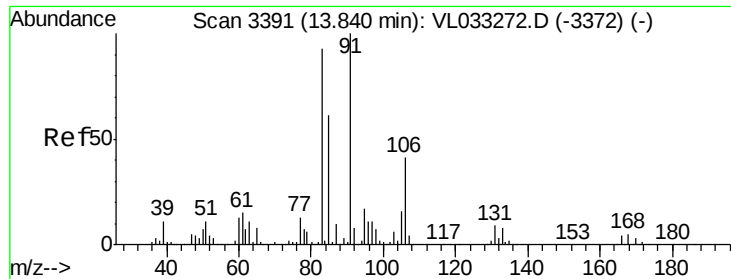
Ion Ratio Lower Upper

117 100

82 67.5 51.1 76.7

119 32.4 43.6 65.4#





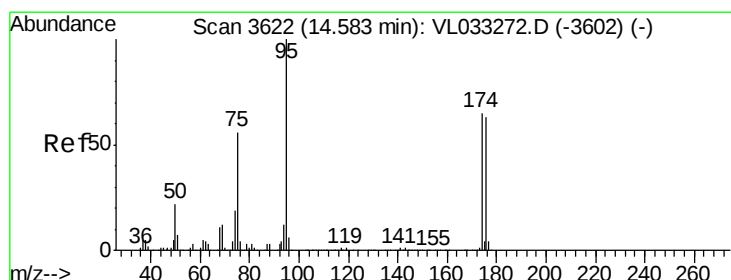
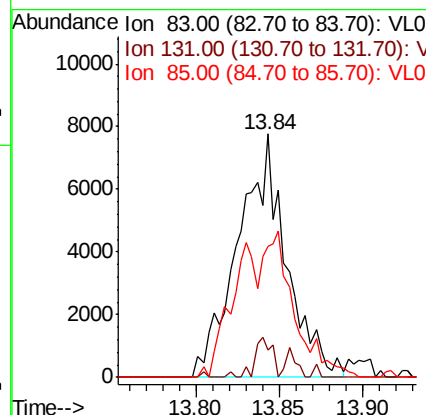
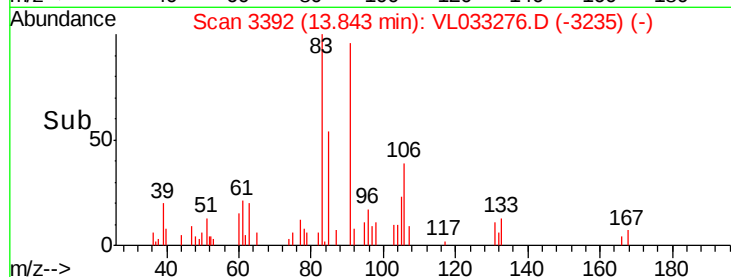
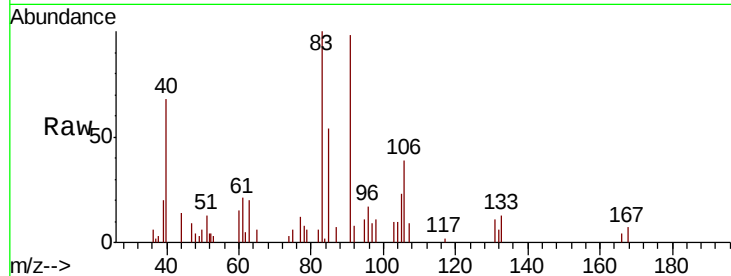
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.097 ppbv m
 RT: 13.84 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VL033276.D
 Acq: 12 Mar 2019 4:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

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: 10.017 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033276.D
 Acq: 12 Mar 2019 4:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.7	77.5
175	4.6	3.7	5.5

