

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033330.D
 Acq On : 15 Mar 2019 13:00
 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
 3/19/2019 10:02:23 AM

Quant Time: Mar 15 13:54:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 2019
 QLast Update : Fri Mar 15 12:24:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	844814	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1946924	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2076156	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1579684	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.30	62	5301m	0.099	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	13457m	0.097	ppbv	
35) Carbon Tetrachloride	7.14	117	12206m	0.087	ppbv	
38) Trichloroethene	7.97	130	6874m	0.100	ppbv	
52) Tetrachloroethene	11.38	164	6950m	0.099	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	17966m	0.097	ppbv	

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

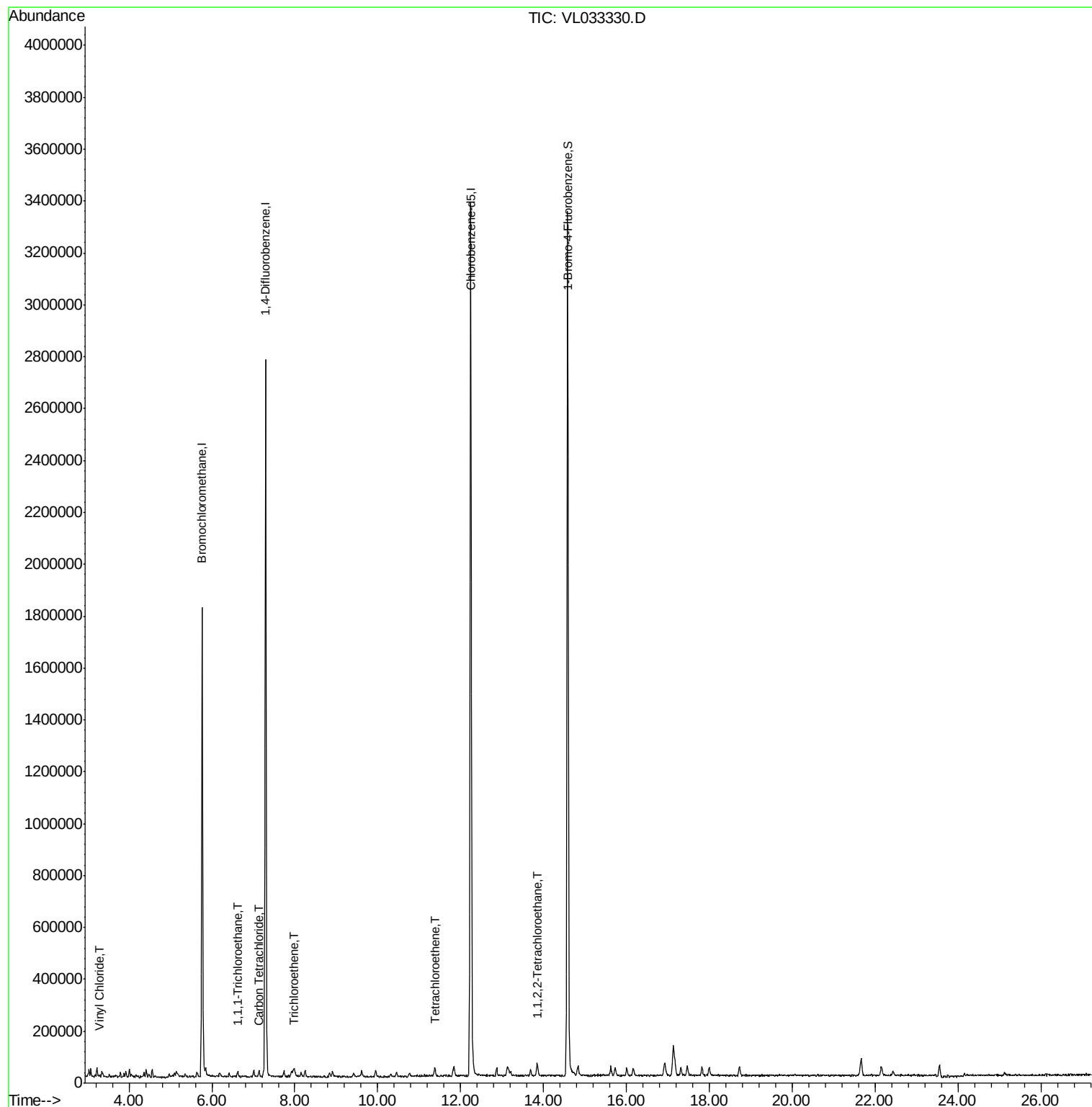
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031519\
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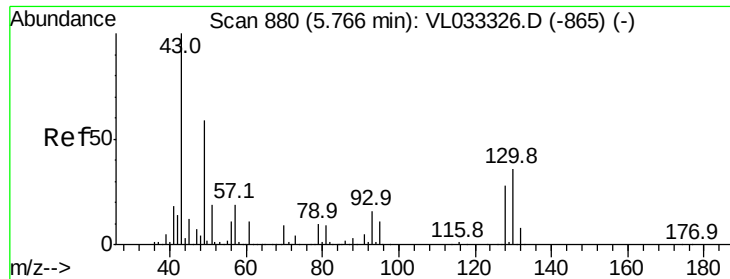
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

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Quant Time: Mar 15 13:54:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
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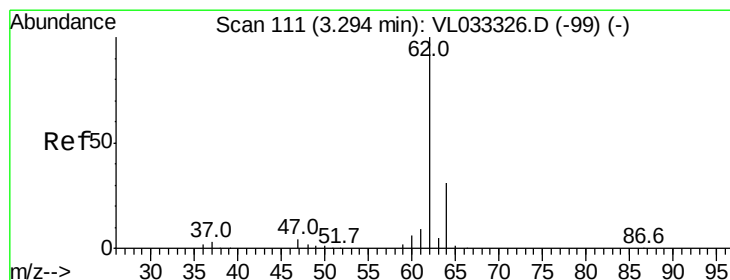
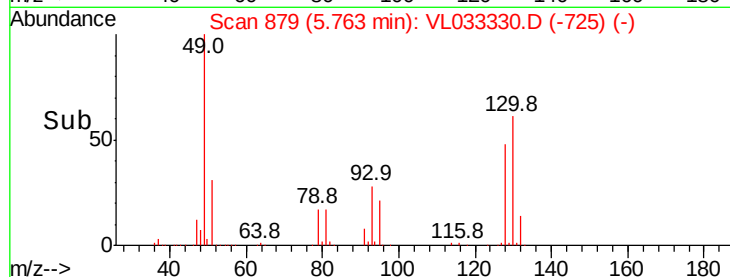
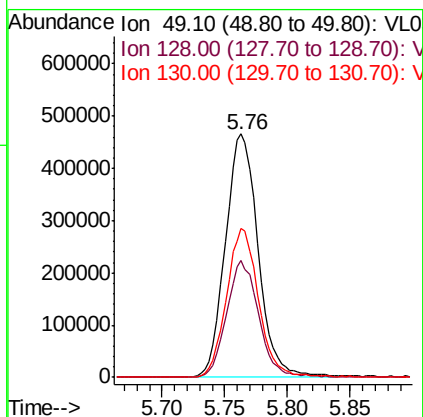
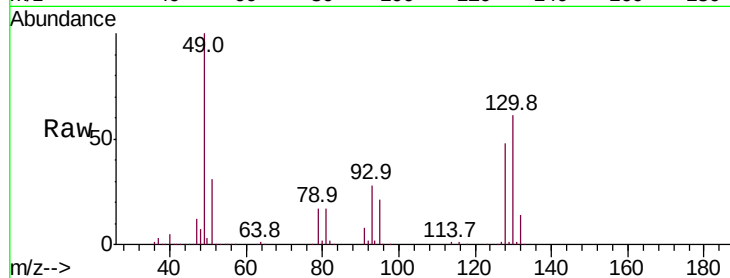
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion: 49 Resp: 844814
Ion Ratio Lower Upper
49 100
128 46.8 23.5 70.6
130 60.6 30.1 90.3

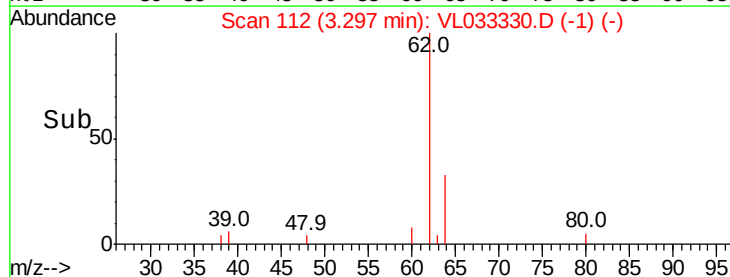
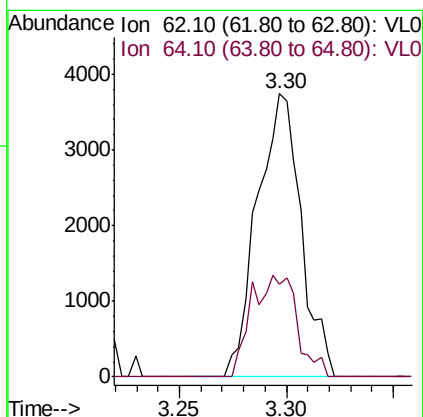
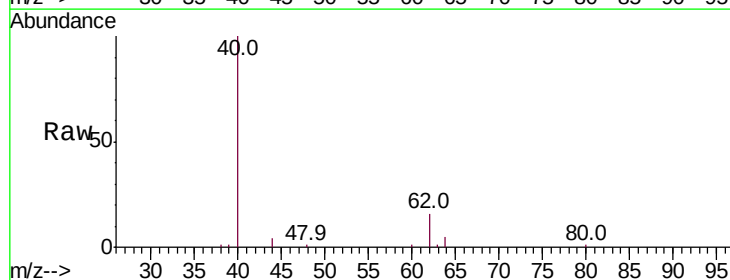
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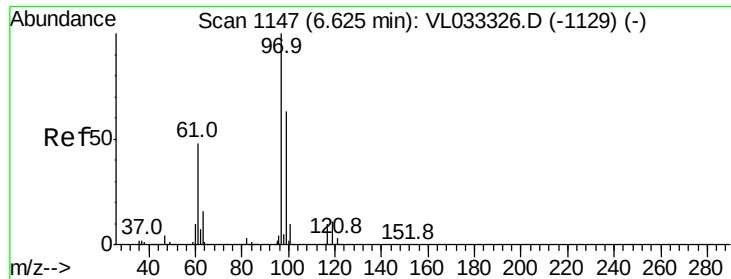
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#5
Vinyl Chloride
Concen: 0.099 ppbv m
RT: 3.30 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 62 Resp: 5301
Ion Ratio Lower Upper
62 100
64 32.9 25.0 37.6





#32

1,1,1-Trichloroethane

Concen: 0.097 ppbv m

RT: 6.62 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VL033330.D

Acq: 15 Mar 2019 13:00

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.1

Tot Ion: 97 Resp: 13457

Ion Ratio Lower Upper

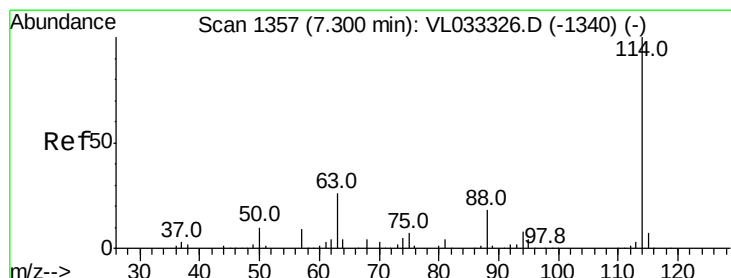
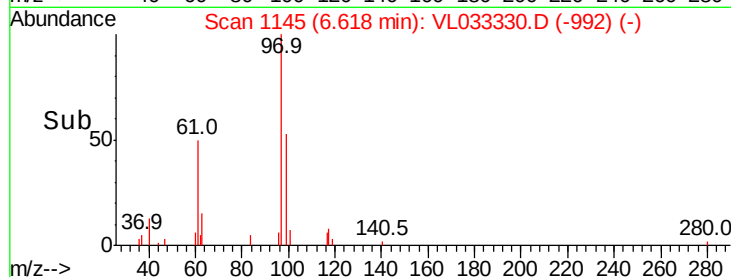
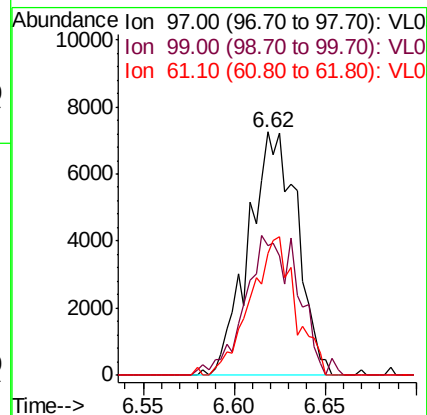
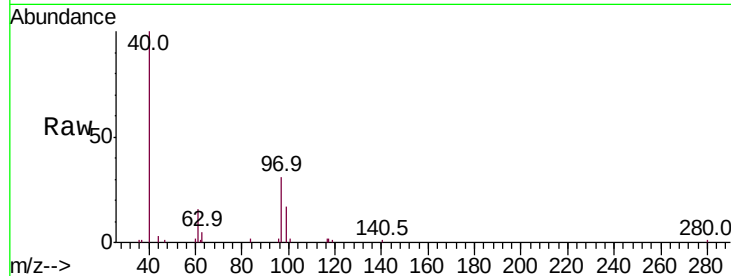
97 100

99 62.2 51.0 76.6

61 0.0 39.3 58.9#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033330.D

Acq: 15 Mar 2019 13:00

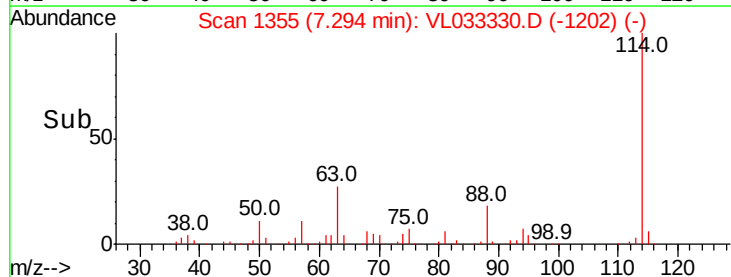
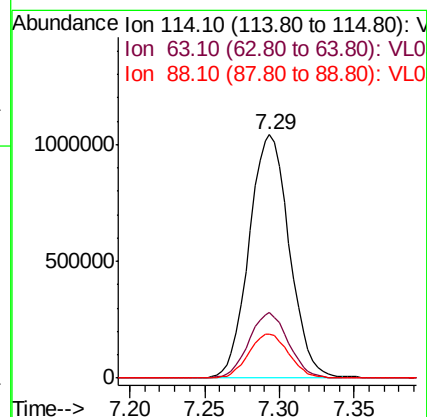
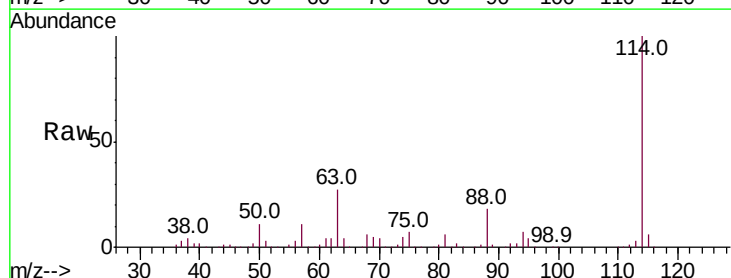
Tgt Ion: 114 Resp: 1946924

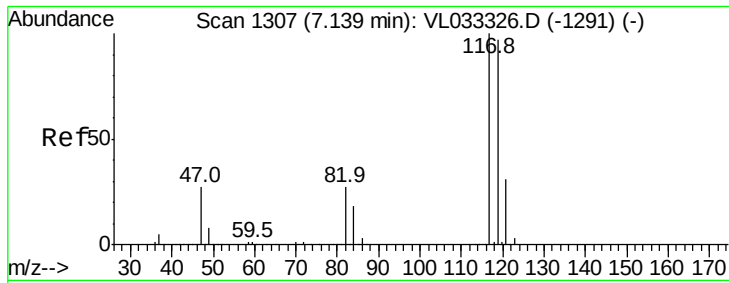
Ion Ratio Lower Upper

114 100

63 26.7 21.4 32.2

88 18.3 14.5 21.7





#35

Carbon Tetrachloride

Concen: 0.087 ppbv m

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033330.D

Acq: 15 Mar 2019 13:00

Instrument :

MSVOA_L

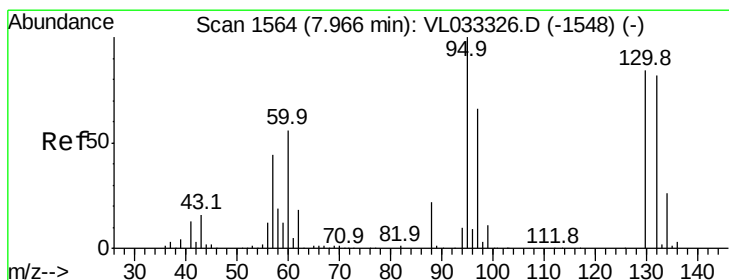
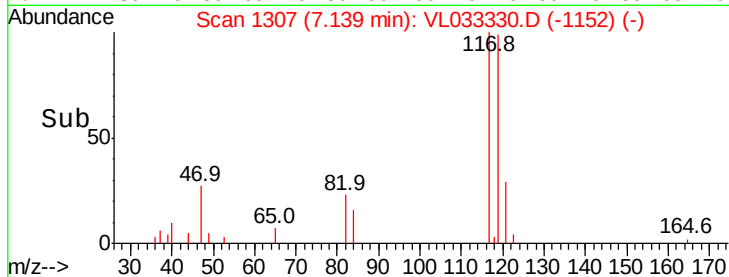
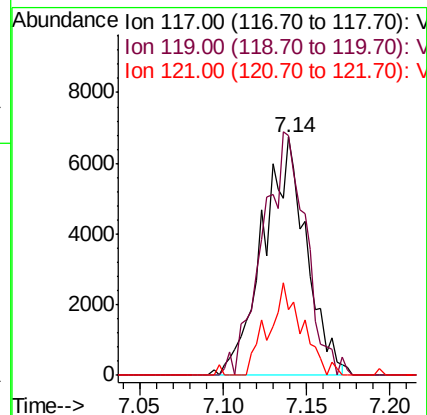
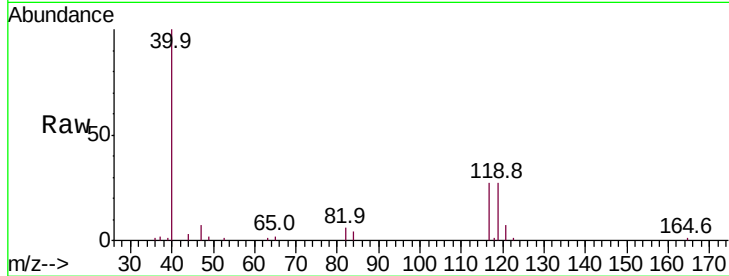
ClientSampleId :

VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.6	77.4	116.0
121	27.7	24.9	37.3

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#38

Trichloroethene

Concen: 0.100 ppbv m

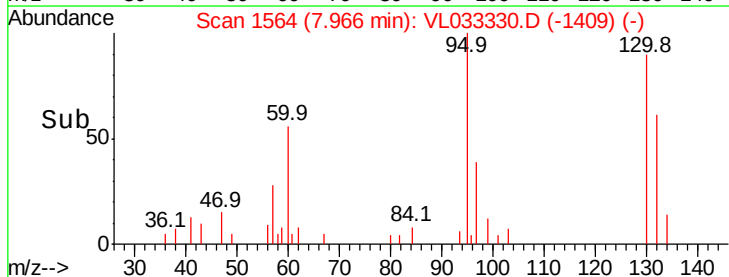
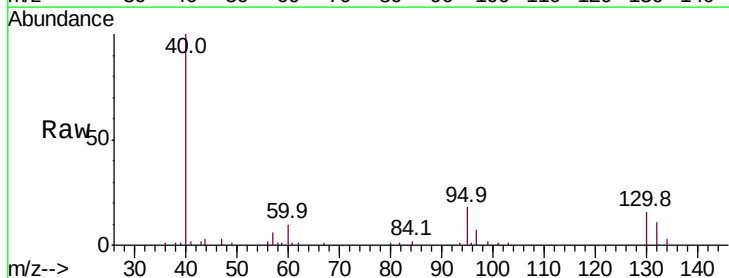
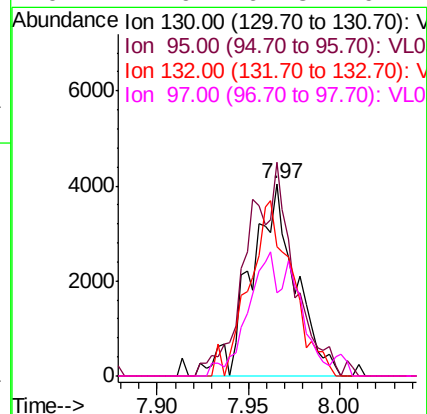
RT: 7.97 min Scan# 1564

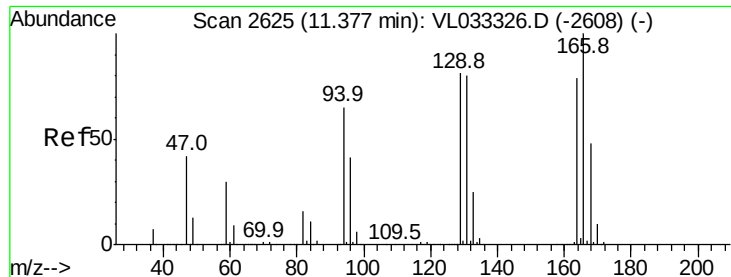
Delta R.T. -0.00 min

Lab File: VL033330.D

Acq: 15 Mar 2019 13:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.9	95.2	142.8
132	67.1	77.7	116.5#
97	42.9	62.8	94.2#





#52

Tetrachloroethene

Concen: 0.099 ppbv m

RT: 11.38 min Scan# 2627

Delta R.T. 0.01 min

Lab File: VL033330.D

Acq: 15 Mar 2019 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 6950

Ion Ratio Lower Upper

164 100

166 92.0 101.5 152.3#

129 97.1 82.2 123.2

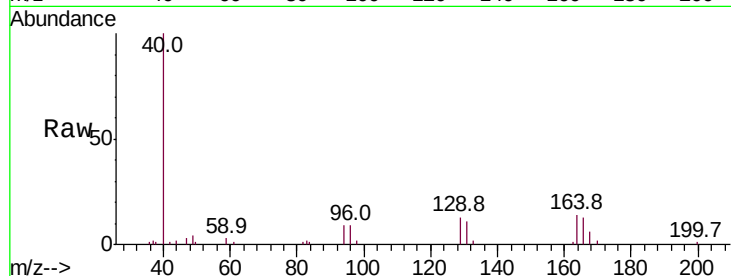
131 79.2 81.1 121.7#

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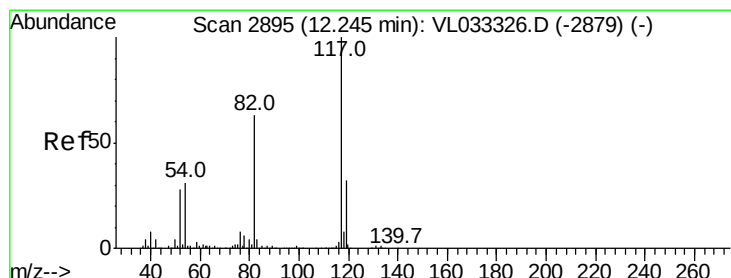
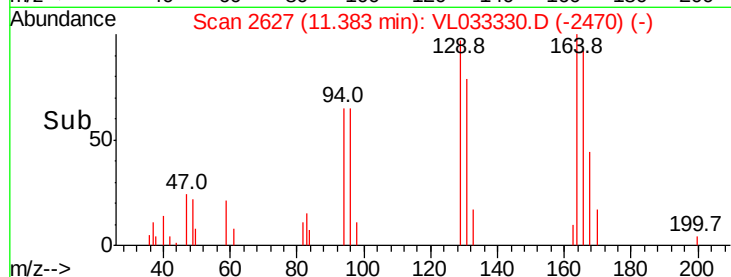
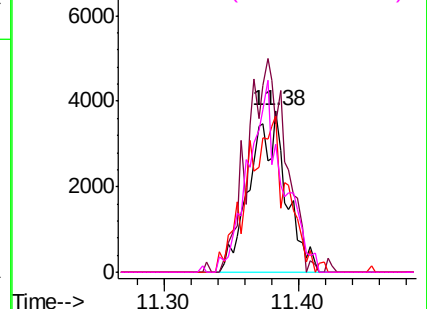


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033330.D

Acq: 15 Mar 2019 13:00

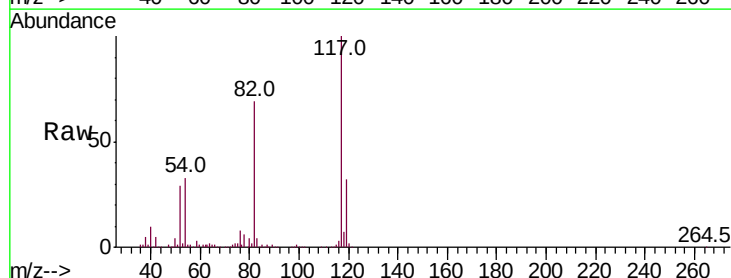
Tgt Ion:117 Resp: 2076156

Ion Ratio Lower Upper

117 100

82 67.5 53.4 80.2

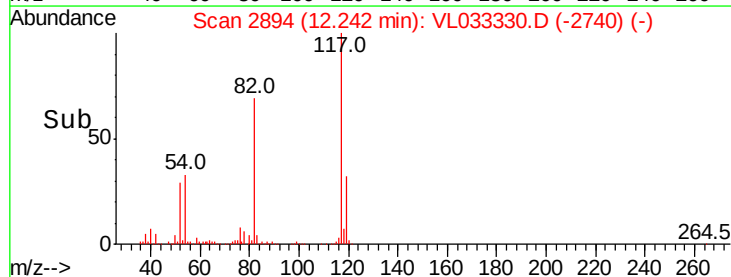
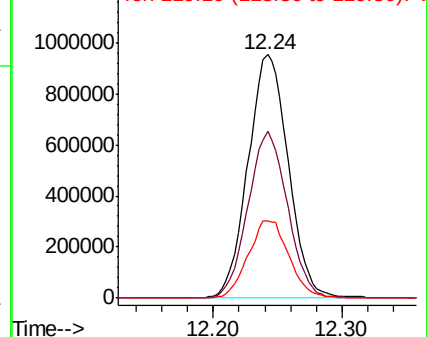
119 32.3 27.3 40.9

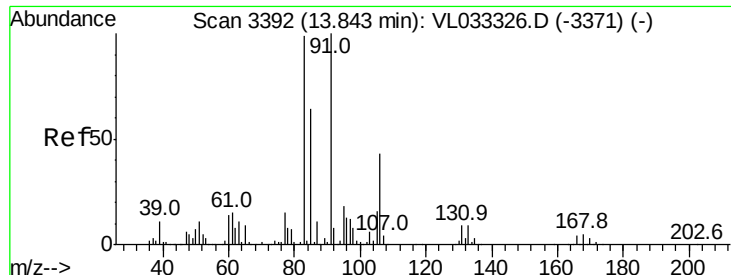


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





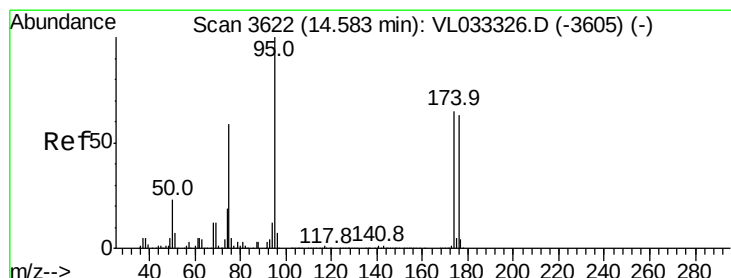
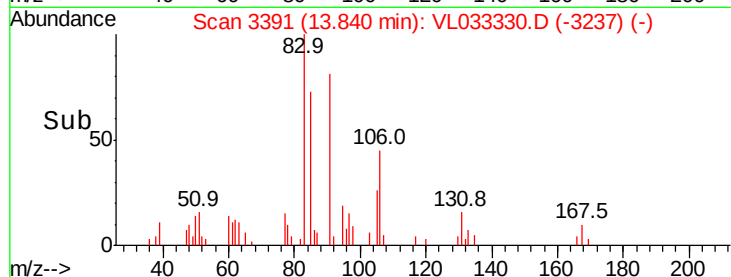
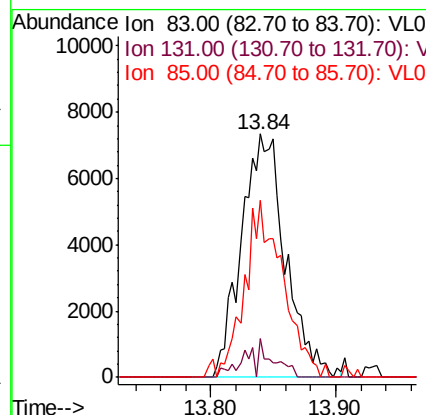
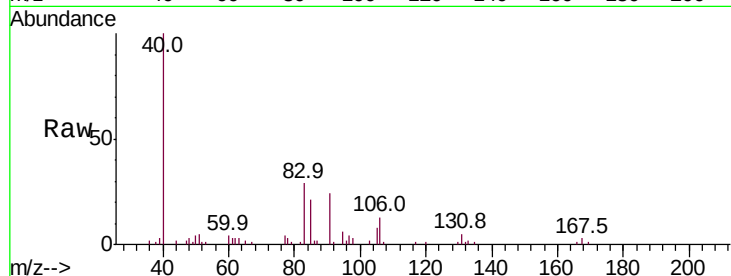
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.097 ppbv m
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VL033330.D
 Acq: 15 Mar 2019 13:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	63.4	32.5	97.4

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.011 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033330.D
 Acq: 15 Mar 2019 13:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.5	51.5	77.3
175	4.7	3.8	5.6

