

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033658.D
 Acq On : 6 May 2019 13:32
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

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 5/8/2019 12:06:12 PM

Quant Time: May 06 14:27:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 0
 QLast Update : Mon May 06 12:00:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	921833	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2285348	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2283294	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1868236	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.29	62	7329m	0.115	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	18055	0.104	ppbv	96
35) Carbon Tetrachloride	7.13	117	17241m	0.094	ppbv	
38) Trichloroethene	7.95	130	6924m	0.088	ppbv	
52) Tetrachloroethene	11.36	164	7068m	0.094	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.83	83	18175	0.097	ppbv	94

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

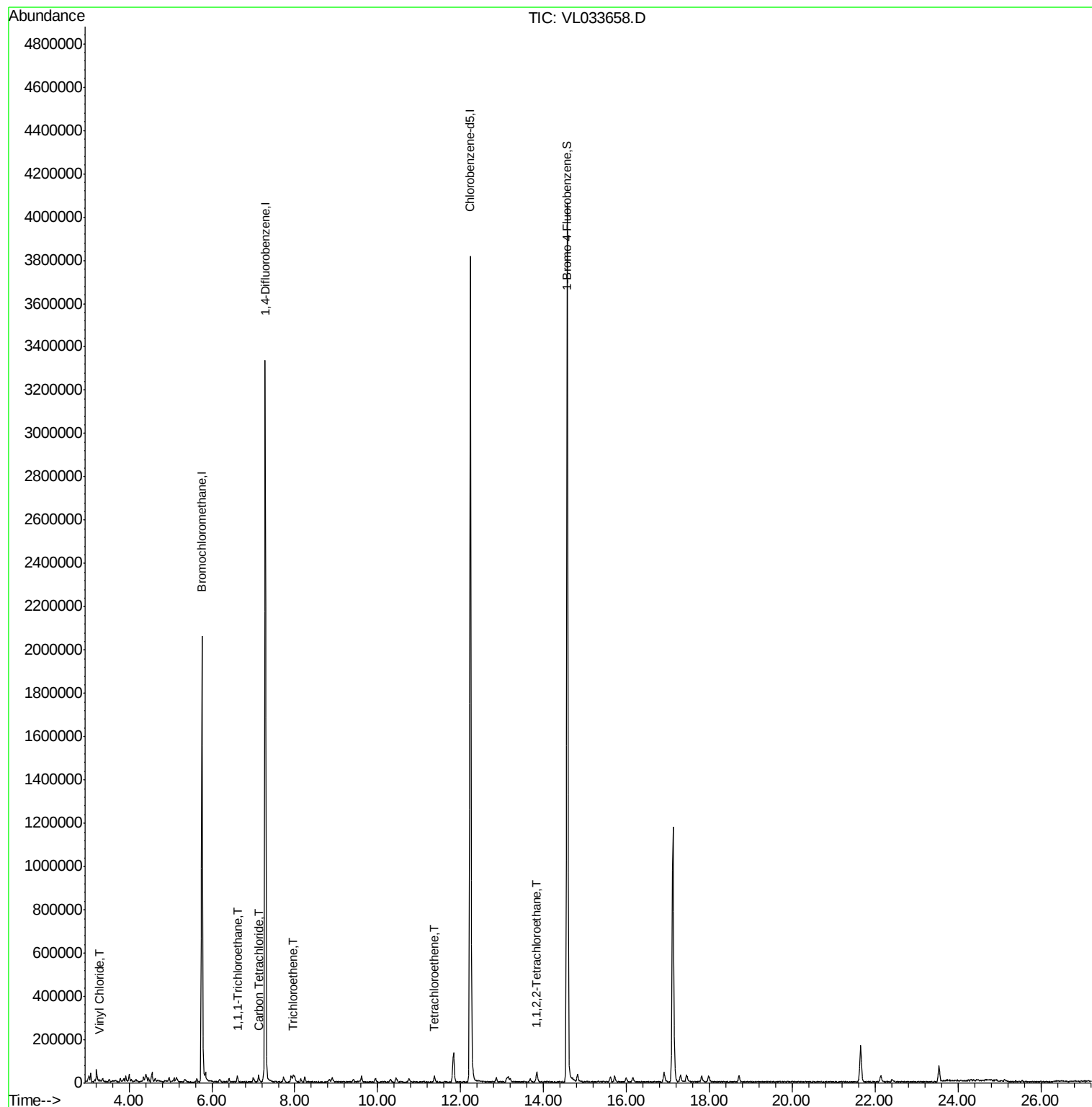
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050619\
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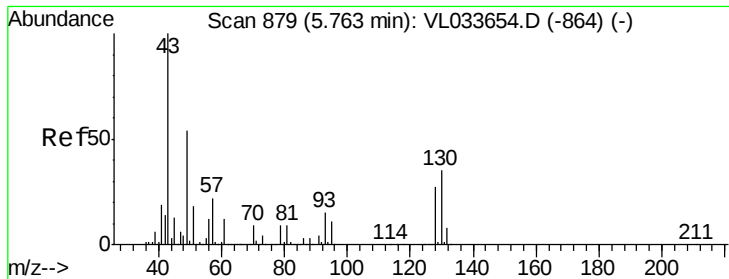
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

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QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration





#1

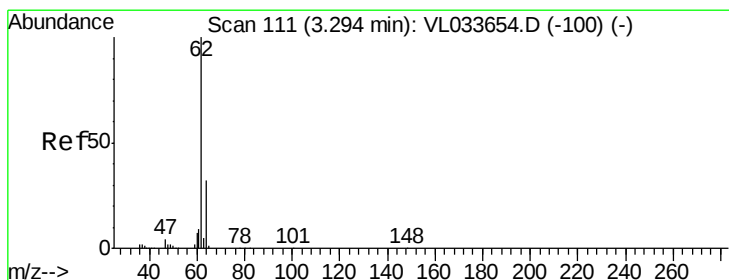
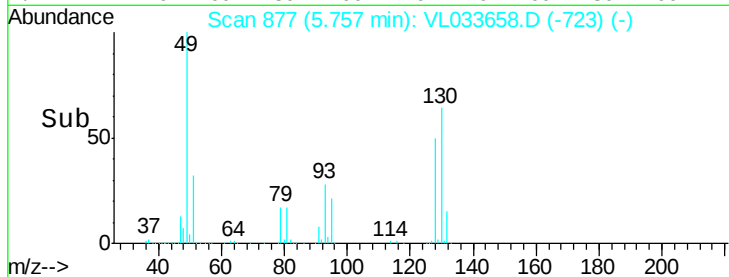
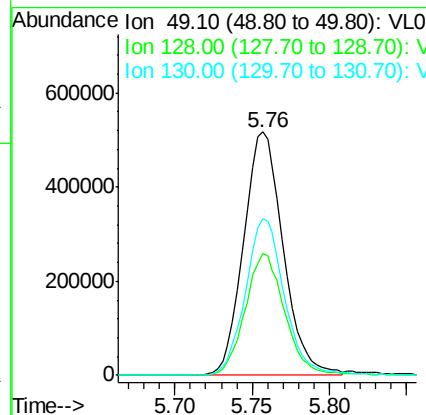
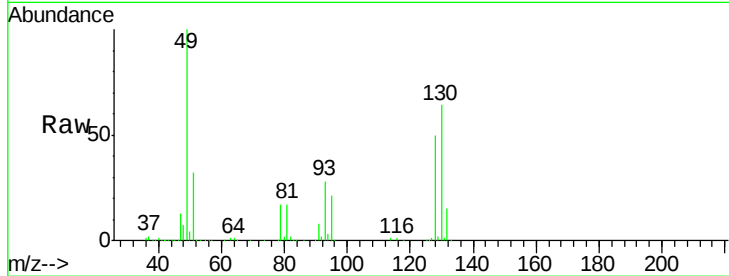
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.2	24.8	74.4
130	64.3	32.1	96.5

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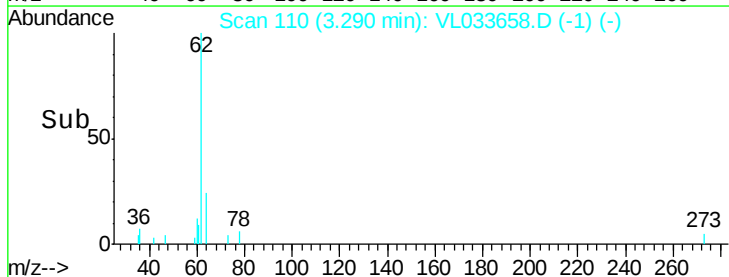
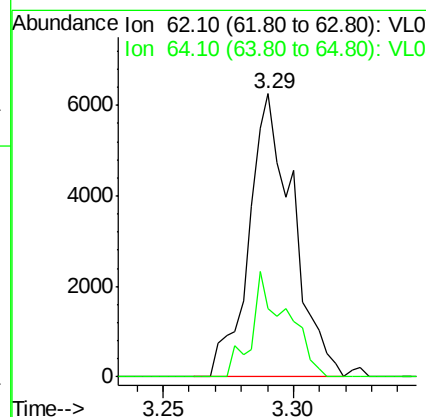
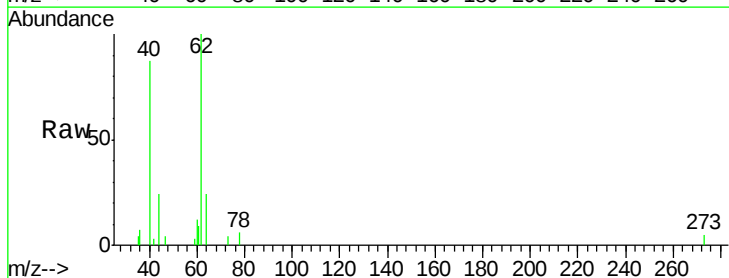
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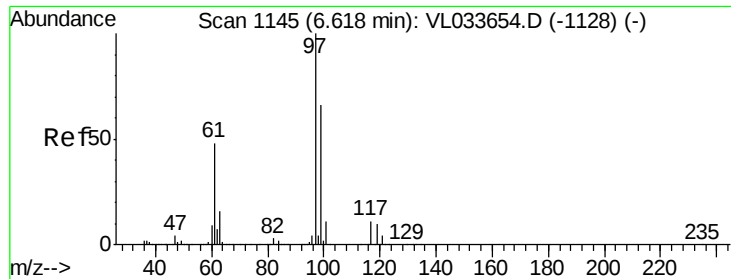


#5

Vinyl Chloride
Concen: 0.115 ppbv m
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
62	100		
64	24.1	25.6	38.4#





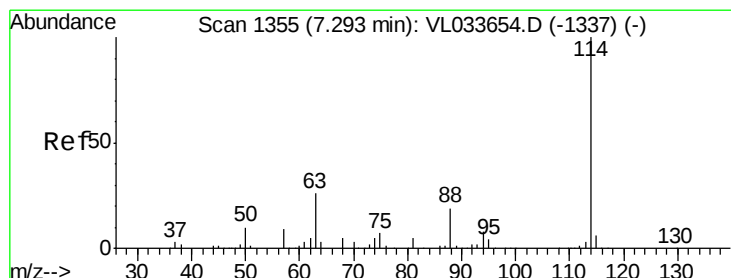
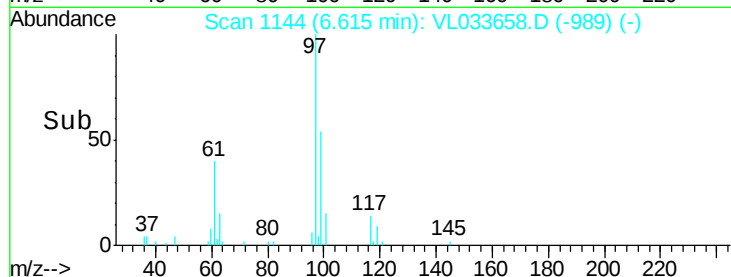
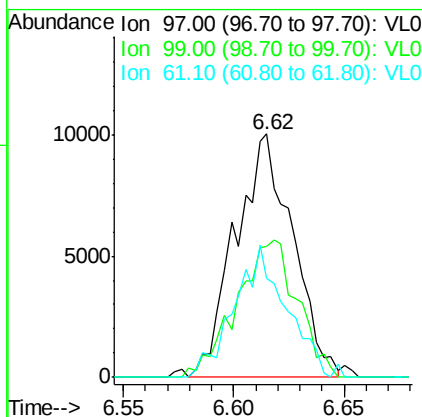
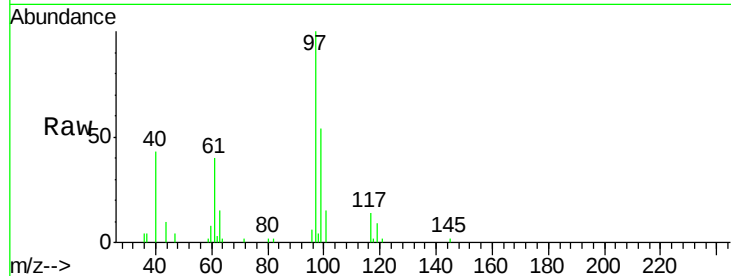
#32
 1,1,1-Trichloroethane
 Concen: 0.104 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VL033658.D
 Acq: 6 May 2019 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
97	100		
99	59.7	51.5	77.3
61	49.2	38.5	57.7

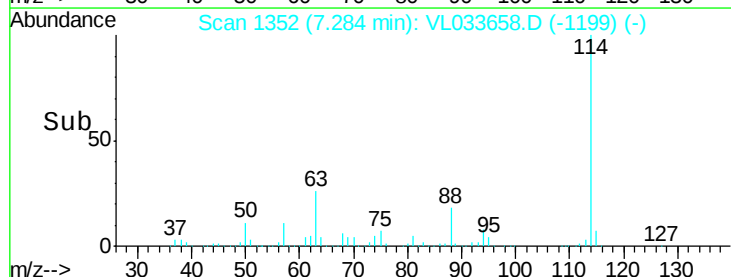
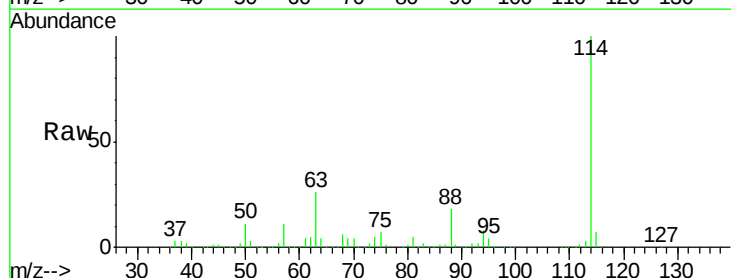
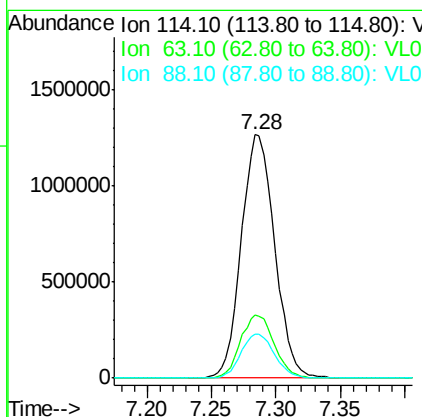
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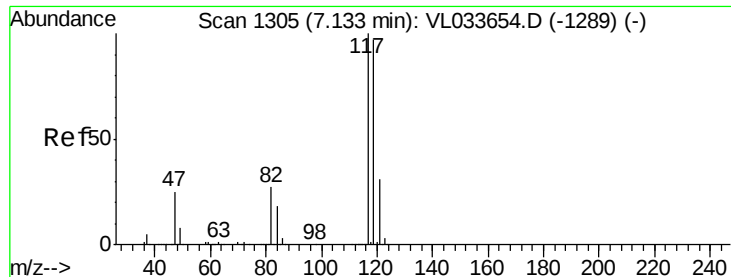
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033658.D
 Acq: 6 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.2	31.8
88	18.3	14.4	21.6





#35

Carbon Tetrachloride

Concen: 0.094 ppbv m

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033658.D

Acq: 6 May 2019 13:32

Instrument :

MSVOA_L

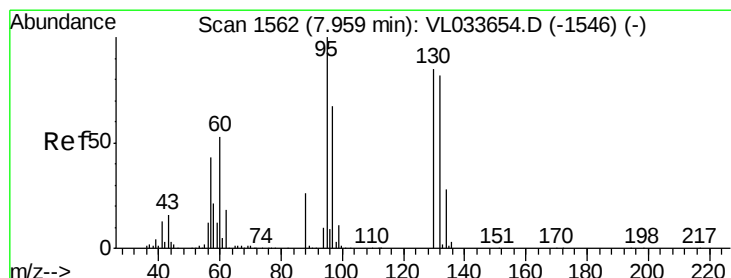
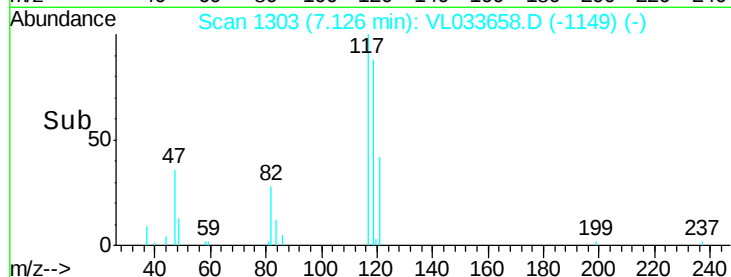
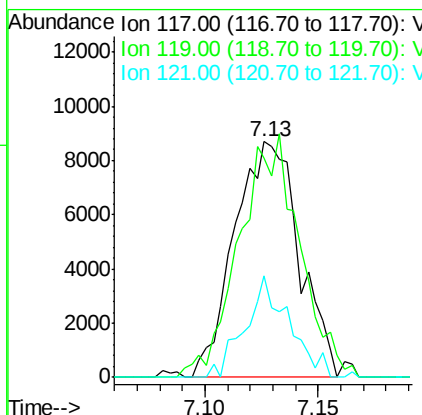
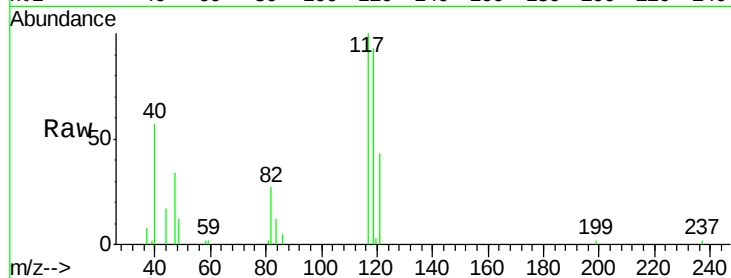
ClientSampleId :

VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.9	116.9
121	42.9	25.0	37.6

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#38

Trichloroethene

Concen: 0.088 ppbv m

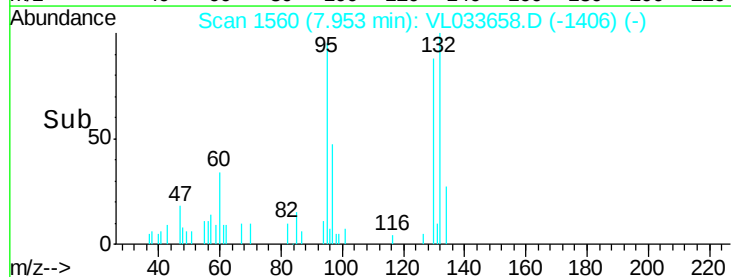
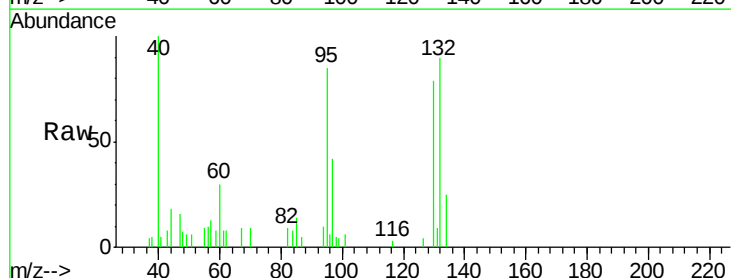
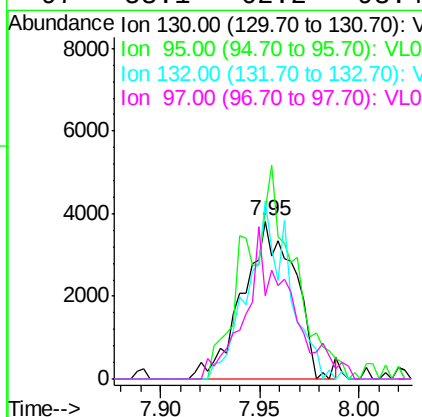
RT: 7.95 min Scan# 1560

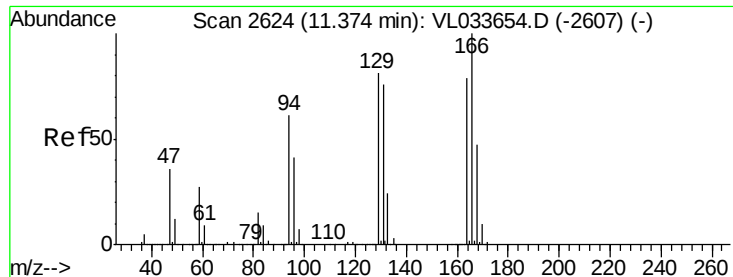
Delta R.T. -0.01 min

Lab File: VL033658.D

Acq: 6 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.3	93.4	140.0
132	113.0	76.2	114.4
97	53.1	62.2	93.4





#52

Tetrachloroethene

Concen: 0.094 ppbv m

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033658.D

Acq: 6 May 2019 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 7068

Ion Ratio Lower Upper

164 100

166 94.1 100.6 151.0#

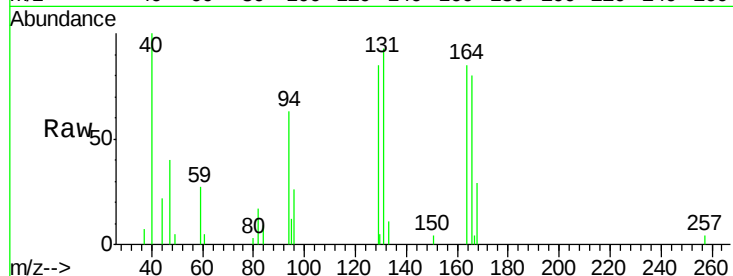
129 100.6 81.0 121.6

131 109.6 76.4 114.6

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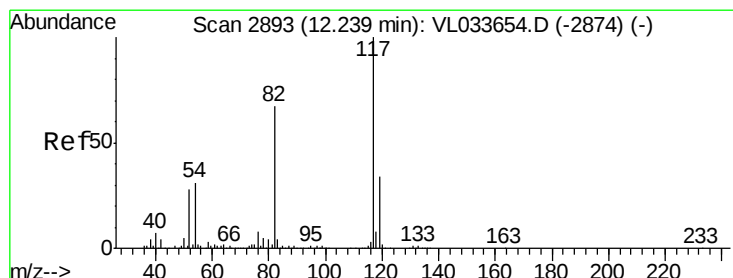
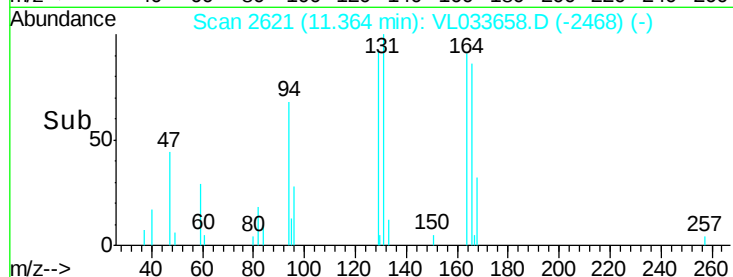
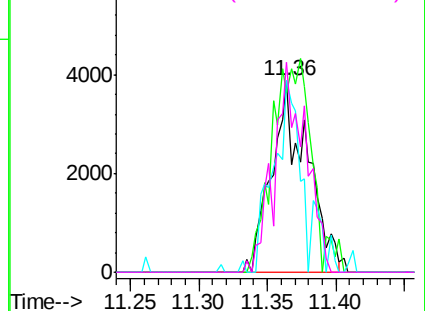


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033658.D

Acq: 6 May 2019 13:32

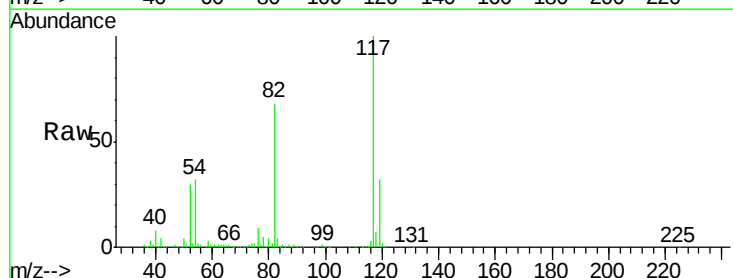
Tgt Ion:117 Resp: 2283294

Ion Ratio Lower Upper

117 100

82 67.1 49.7 74.5

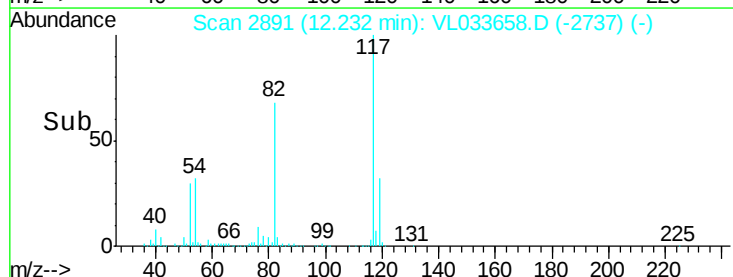
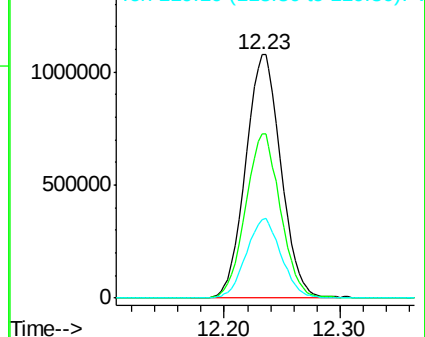
119 32.6 23.3 34.9

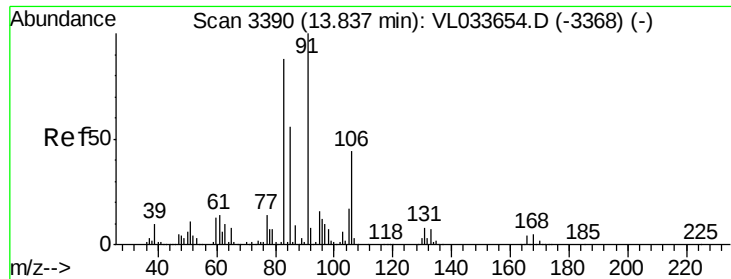


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





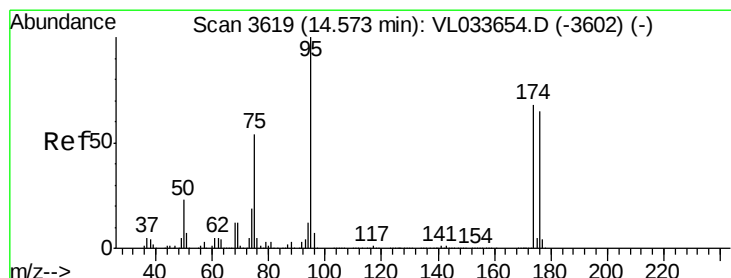
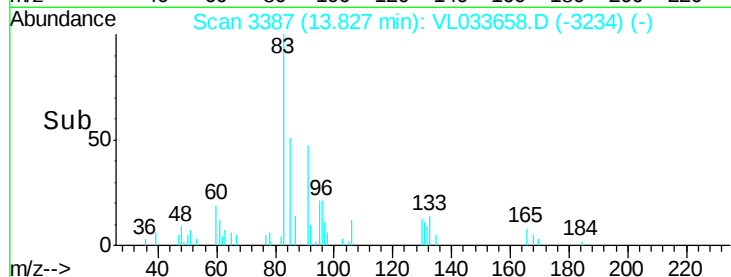
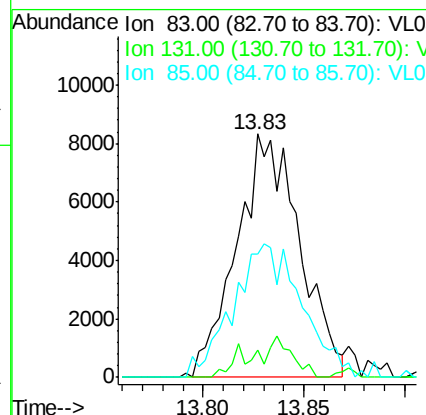
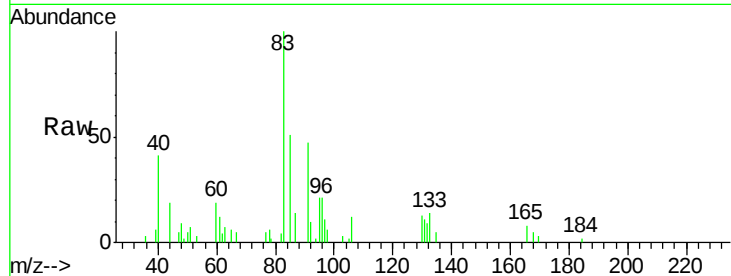
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.097 ppbv
 RT: 13.83 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL033658.D
 Acq: 6 May 2019 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	83	Resp	18175
Ion	Ratio	Lower	Upper
83	100		
131	11.6	4.8	14.3
85	60.3	32.5	97.5

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.247 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.00 min
 Lab File: VL033658.D
 Acq: 6 May 2019 13:32

Tgt Ion	95	Resp	1868236
Ion	Ratio	Lower	Upper
95	100		
174	66.4	54.0	81.0
175	4.6	3.8	5.8

