

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035319.D
 Acq On : 3 Aug 2020 14:51
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
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Quant Time: Aug 03 15:23:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 15:23:41 2020
 QLast Update : Mon Aug 03 15:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1409508	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3498308	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3318035	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2823526	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.21	62	8913	0.097	ppbv	# 88
32) 1,1,1-Trichloroethane	6.50	97	22806m	0.100	ppbv	
35) Carbon Tetrachloride	7.02	117	19878m	0.085	ppbv	
38) Trichloroethene	7.83	130	8949m	0.089	ppbv	
52) Tetrachloroethene	11.25	164	7507m	0.081	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	22396m	0.080	ppbv	

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

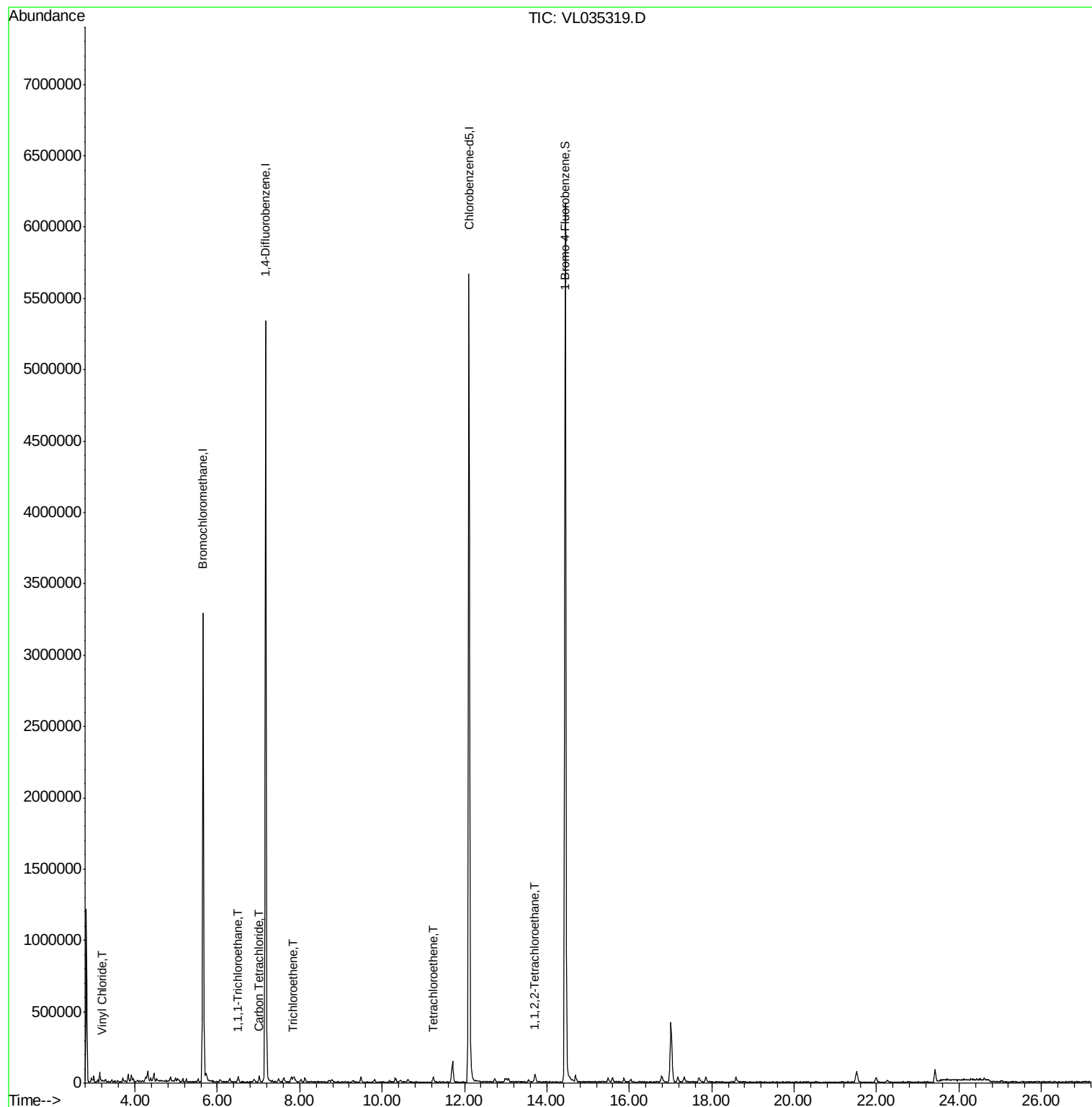
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080320\
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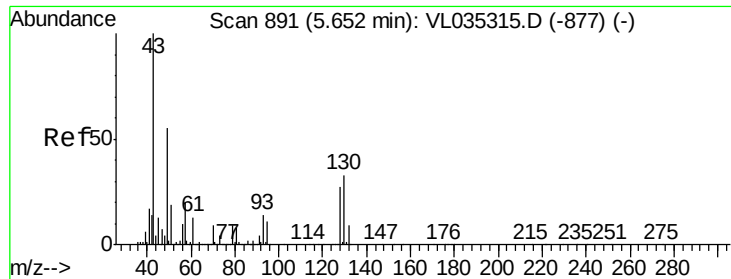
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

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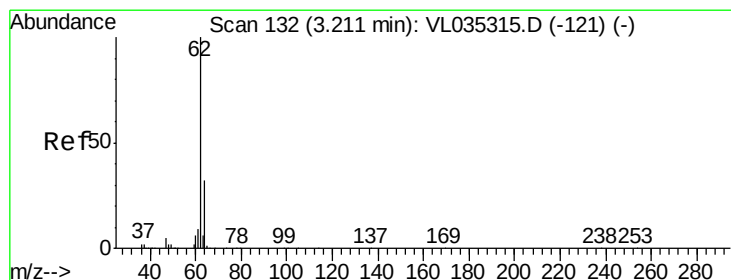
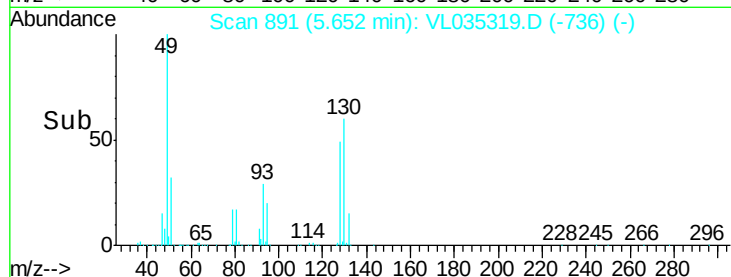
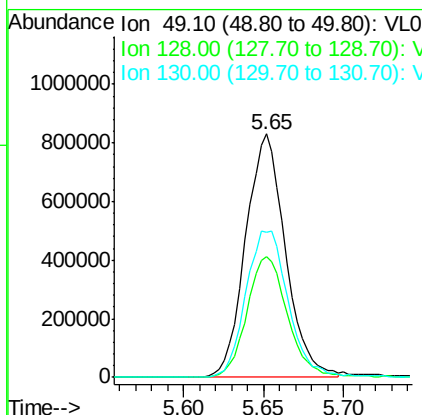
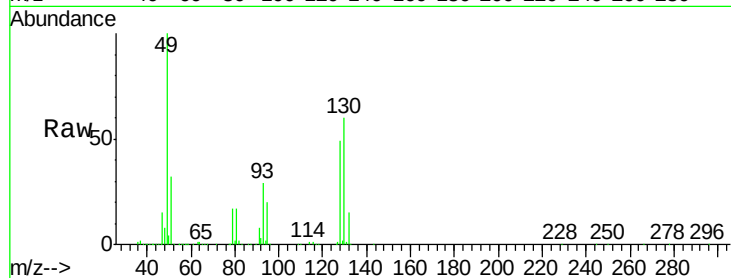
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion: 49 Resp: 1409508
 Ion Ratio Lower Upper
 49 100
 128 51.2 23.8 71.5
 130 64.8 31.4 94.3

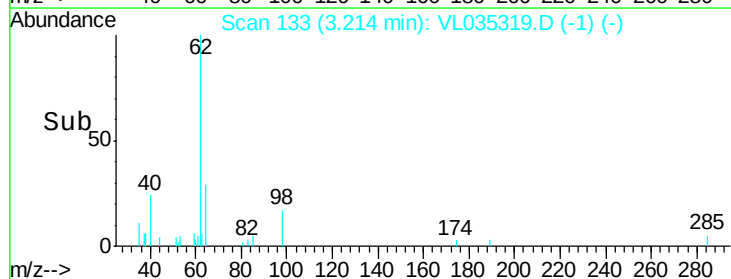
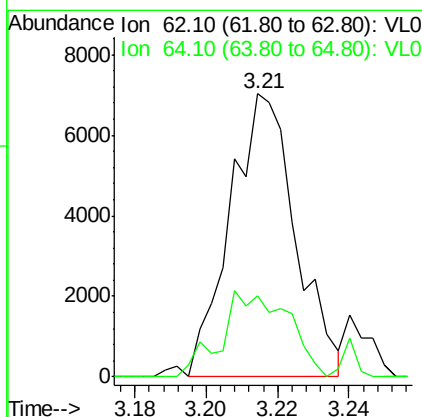
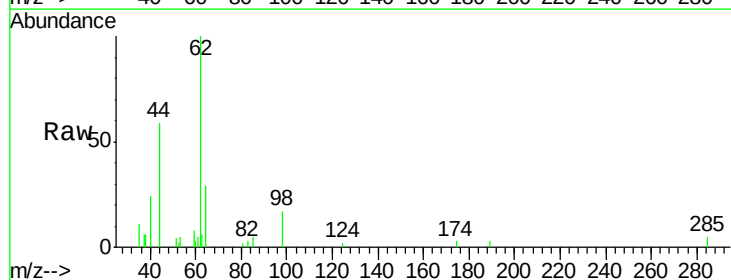
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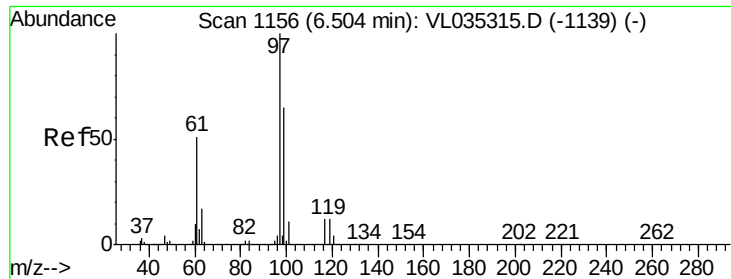
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#5
 Vinyl Chloride
 Concen: 0.097 ppbv
 RT: 3.21 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Tgt Ion: 62 Resp: 8913
 Ion Ratio Lower Upper
 62 100
 64 25.7 25.9 38.9#





#32

1,1,1-Trichloroethane

Concen: 0.100 ppbv m

RT: 6.50 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

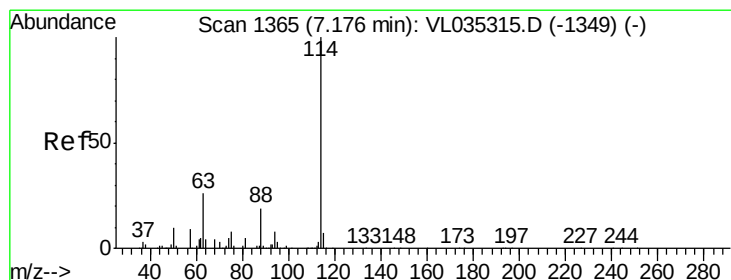
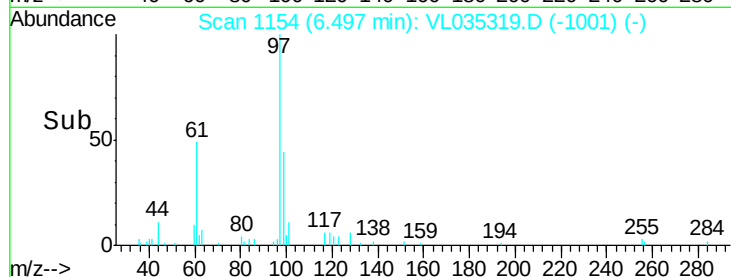
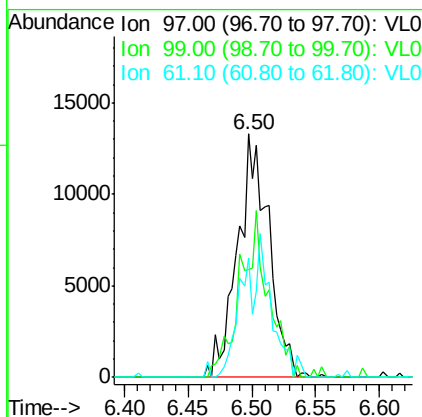
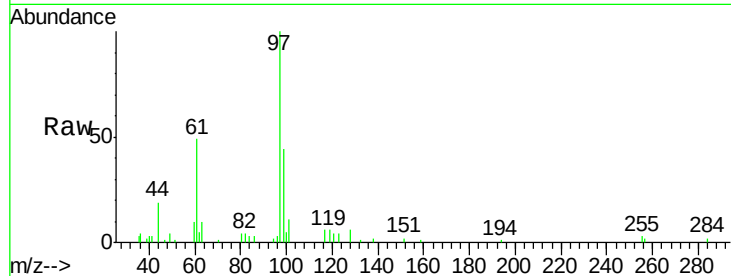
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	22806
Ion	Ratio	Lower	Upper
97	100		
99	61.5	52.2	78.4
61	53.0	40.9	61.3

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

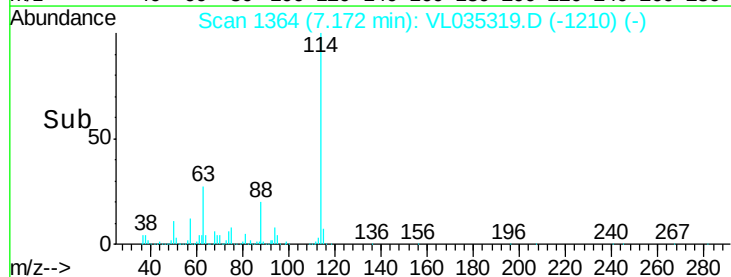
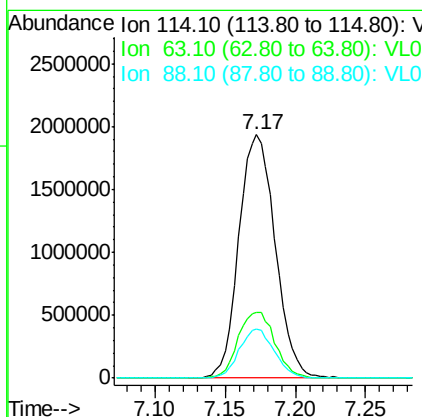
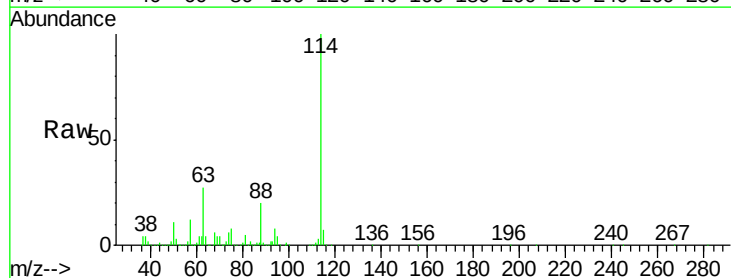
RT: 7.17 min Scan# 1364

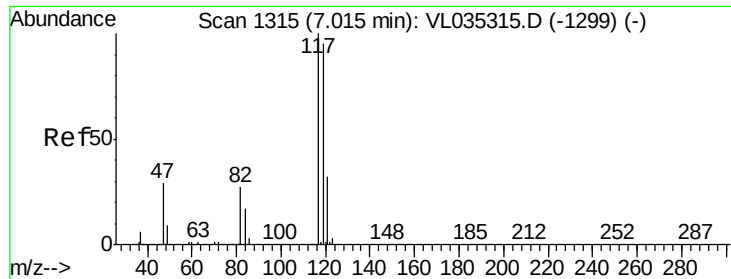
Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Tgt Ion:	114	Resp:	3498308
Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.5	32.3
88	19.5	15.3	22.9





#35

Carbon Tetrachloride

Concen: 0.085 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

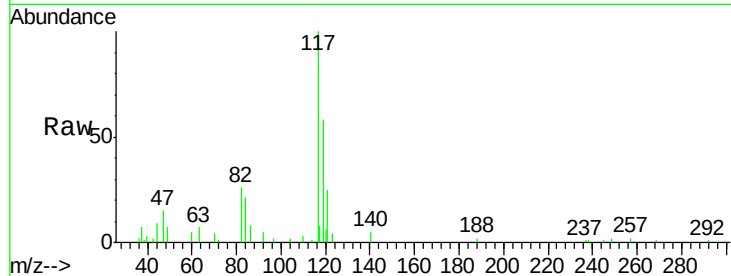
ClientSampleId :

VSTDIC0.1

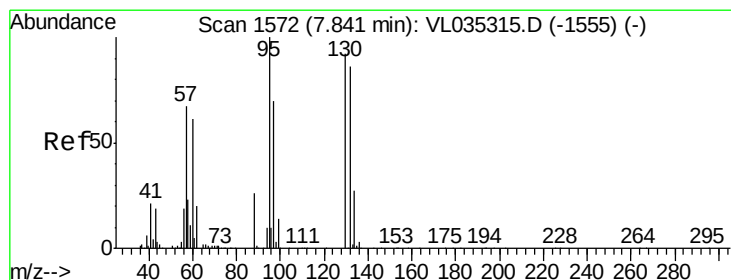
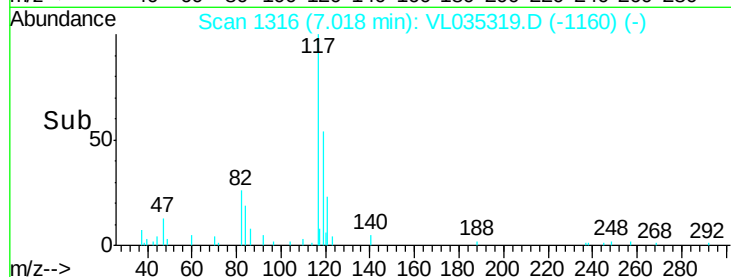
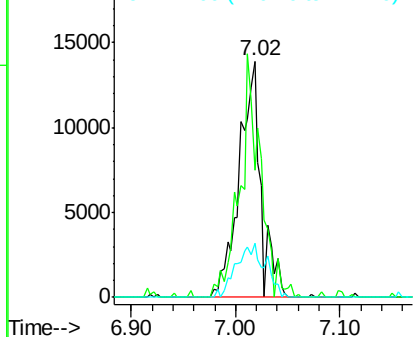
Tot Ion:	117	Resp:	19878
Ion Ratio	Lower	Upper	
117	100		
119	58.2	76.1	114.1#
121	24.8	25.6	38.4#

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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: 0.089 ppbv m

RT: 7.83 min Scan# 1569

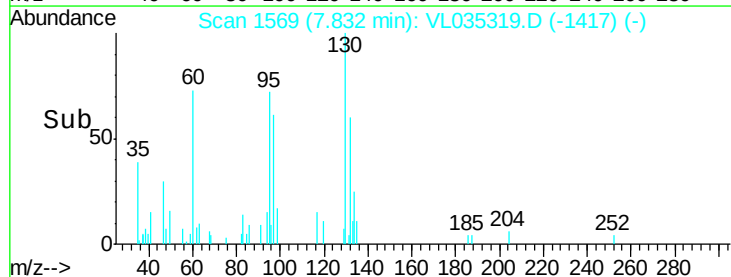
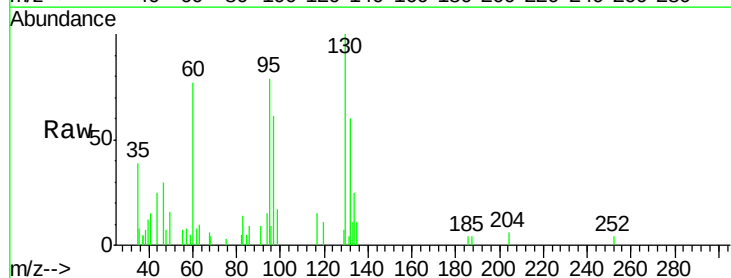
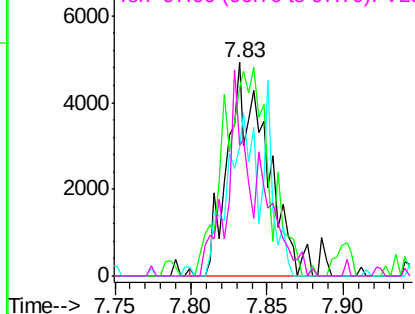
Delta R.T. -0.01 min

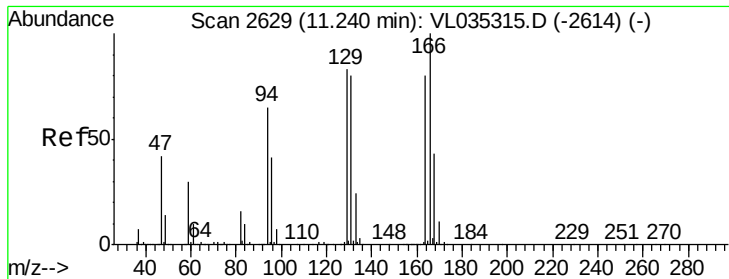
Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Tgt Ion:	130	Resp:	8949
Ion Ratio	Lower	Upper	
130	100		
95	79.1	86.3	129.5#
132	60.3	74.2	111.2#
97	61.0	60.2	90.4

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: 0.081 ppbv m

RT: 11.25 min Scan# 2631

Delta R.T. 0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 7507

Ion Ratio Lower Upper

164 100

166 92.4 100.2 150.2#

129 74.5 82.7 124.1#

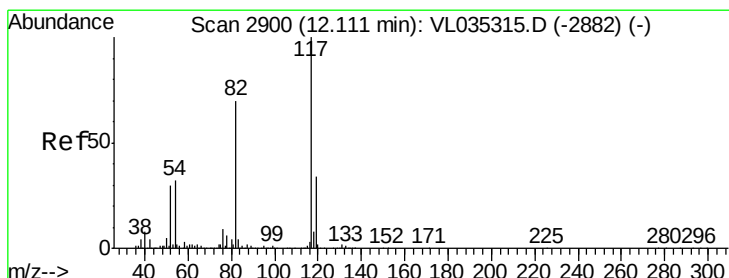
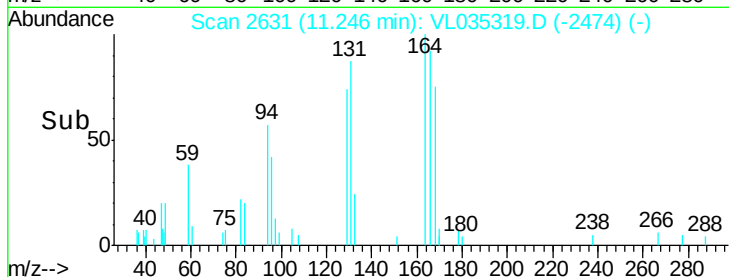
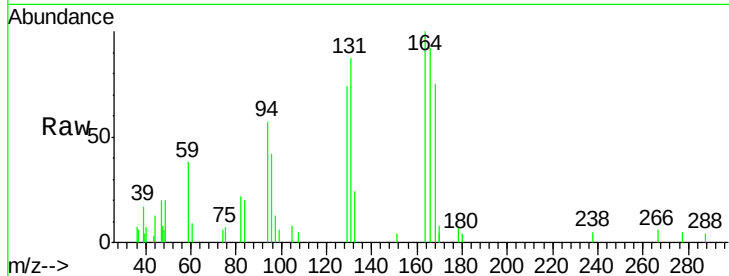
131 86.8 80.2 120.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

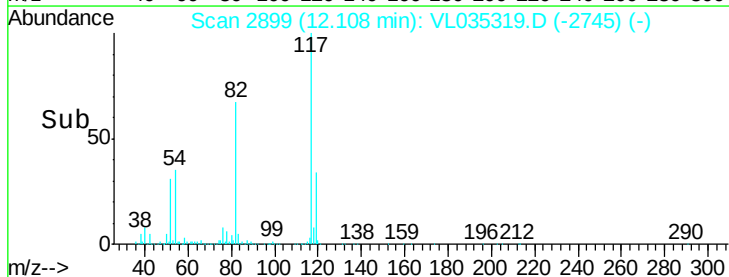
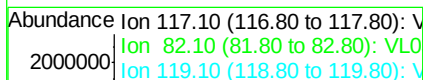
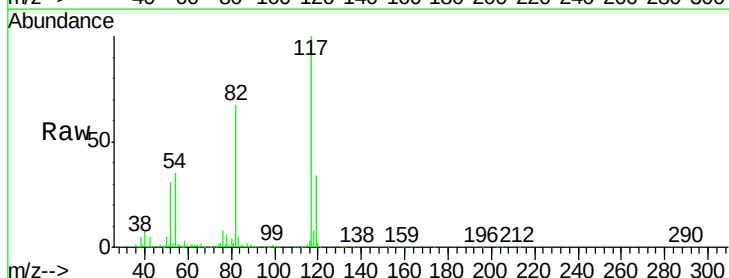
Tgt Ion:117 Resp: 3318035

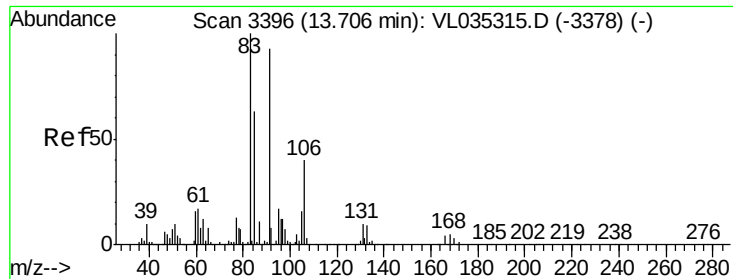
Ion Ratio Lower Upper

117 100

82 67.4 50.6 76.0

119 33.0 24.1 36.1





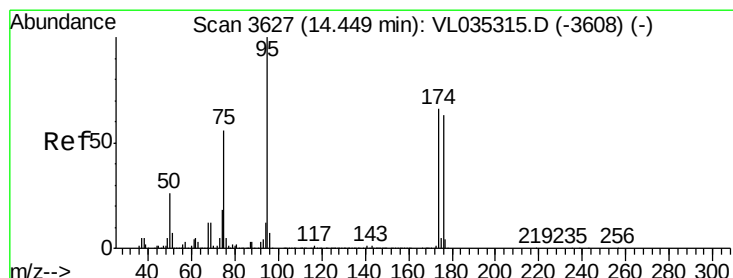
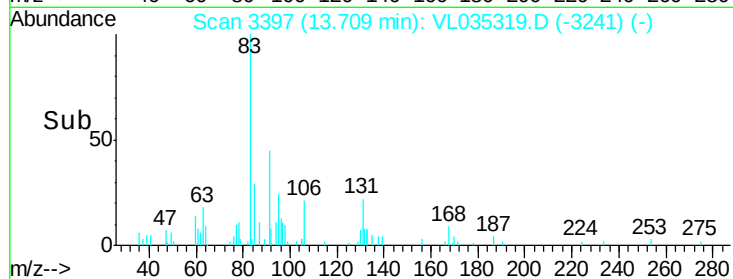
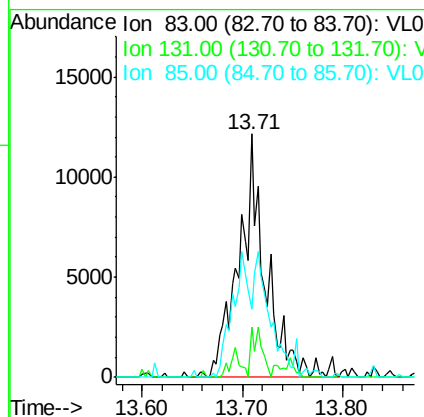
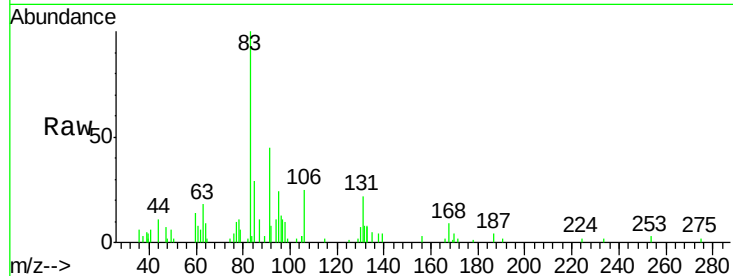
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.080 ppbv m
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	67.4	32.6	97.7

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.649 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.0	52.5	78.7
175	4.8	3.9	5.9

