

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035886.D
 Acq On : 6 Nov 2020 8:47
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Manual Integrations
 APPROVED

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 11/9/2020 10:48:32 AM

Quant Time: Nov 06 23:49:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	933276	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3516915	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3194497	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2288177	10.08	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.24	62	3498	0.051	ppbv #	76
9) Propene	3.00	41	6002	0.147	ppbv	93
13) Ethanol	3.62	45	3315m	0.374	ppbv	
15) Acetone	3.85	43	35255	0.353	ppbv #	54
20) Methylene Chloride	4.32	84	17459m	0.249	ppbv	
35) Carbon Tetrachloride	7.00	117	9271m	0.049	ppbv	
52) Tetrachloroethene	11.20	164	6220m	0.050	ppbv	

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

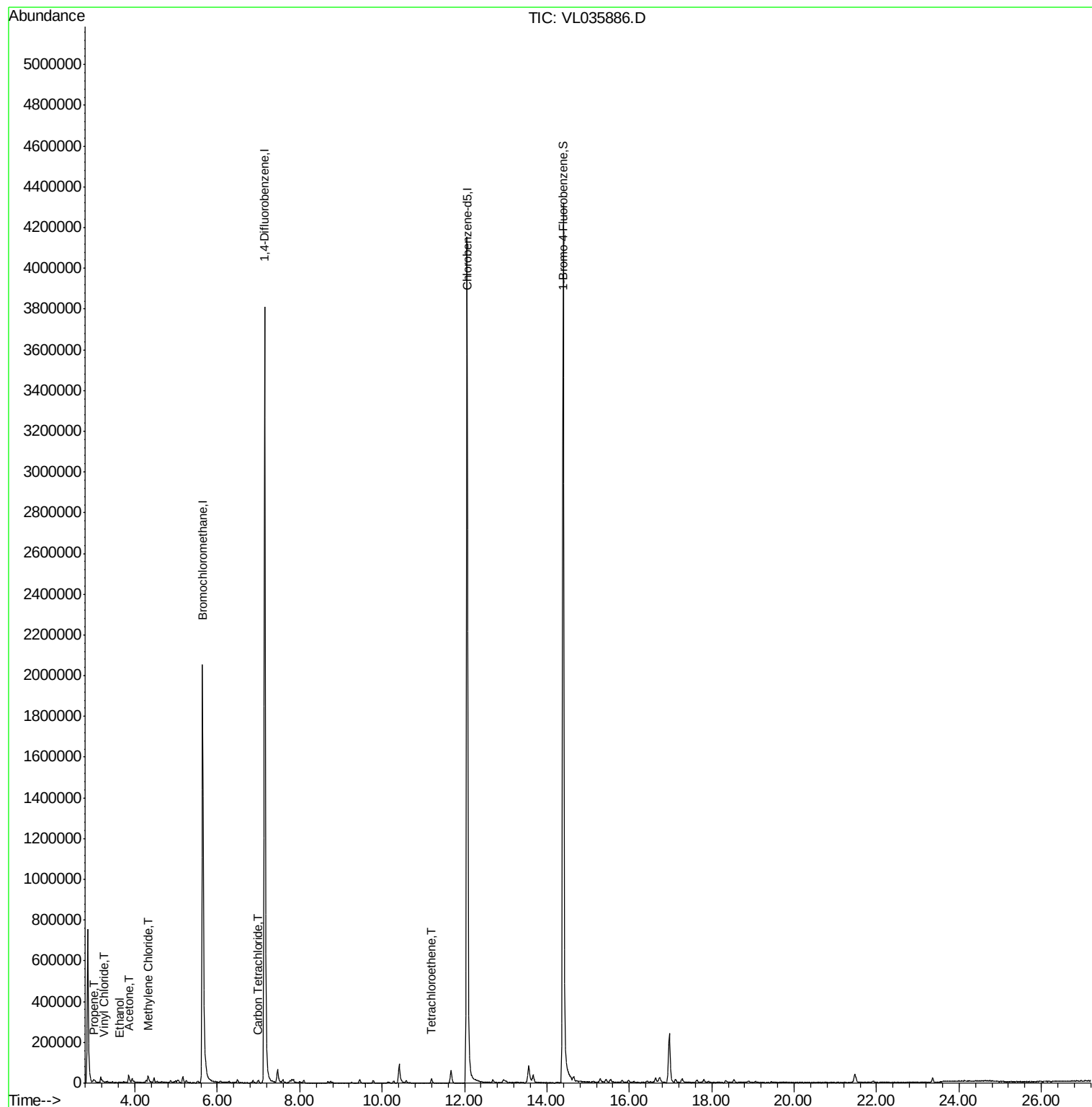
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110520\
Data File : VL035886.D
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Operator : SY/AP
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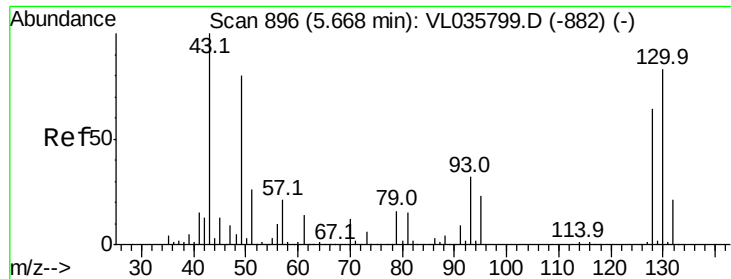
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
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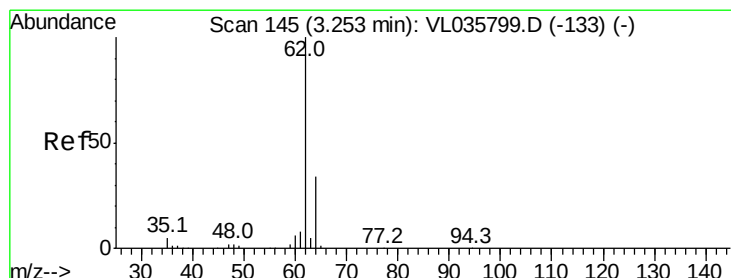
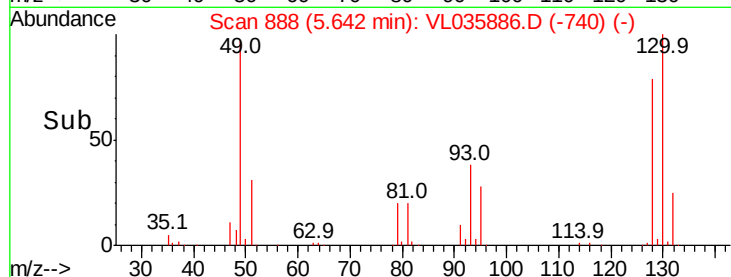
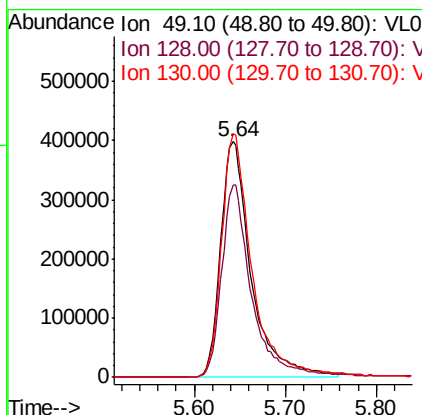
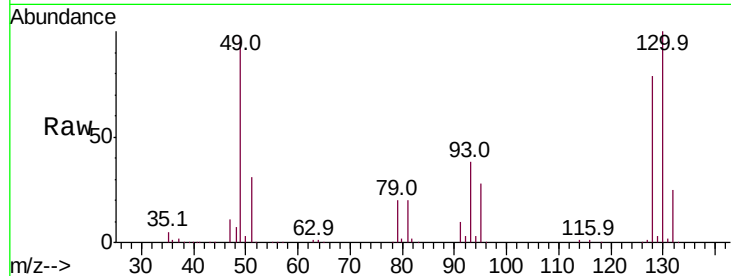
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.03 min
Lab File: VL035886.D
Acq: 6 Nov 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 49 Resp: 933276
Ion Ratio Lower Upper
49 100
128 80.7 41.5 124.6
130 104.1 53.7 161.1

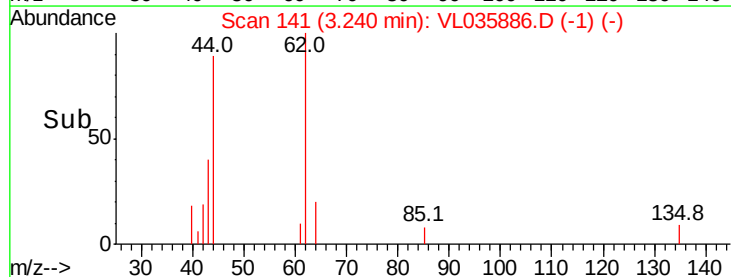
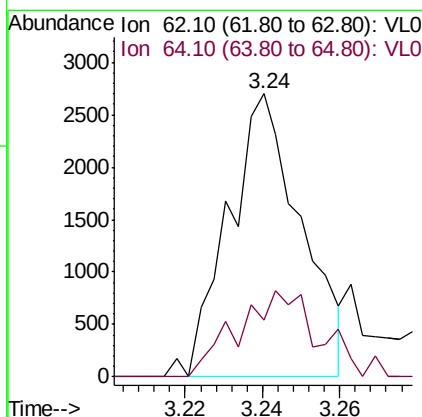
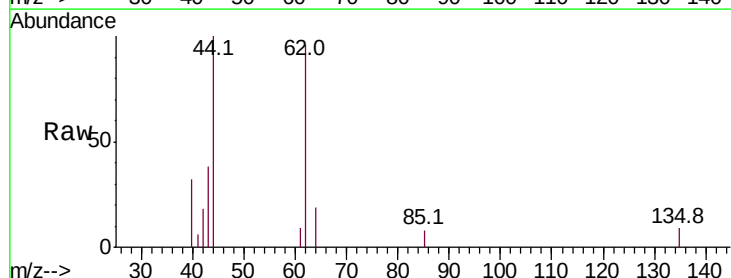
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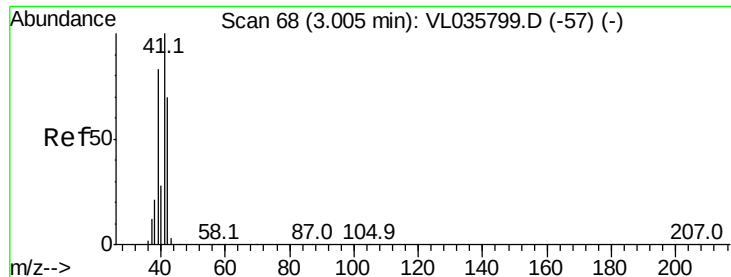
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#5
Vinyl Chloride
Concen: 0.051 ppbv
RT: 3.24 min Scan# 141
Delta R.T. -0.01 min
Lab File: VL035886.D
Acq: 6 Nov 2020 8:47

Tgt Ion: 62 Resp: 3498
Ion Ratio Lower Upper
62 100
64 20.2 26.9 40.3#





#9

Propene

Concen: 0.147 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035886.D

Acq: 6 Nov 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 41 Resp: 6002

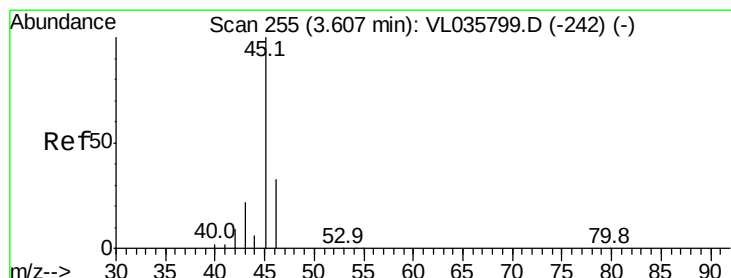
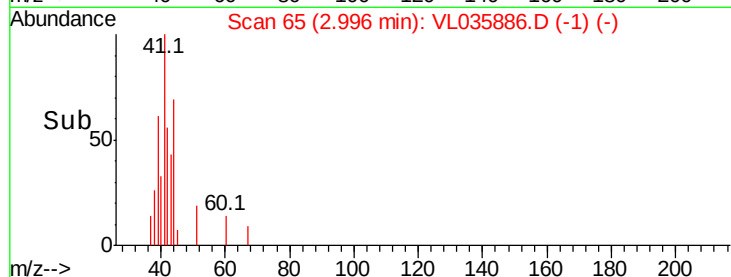
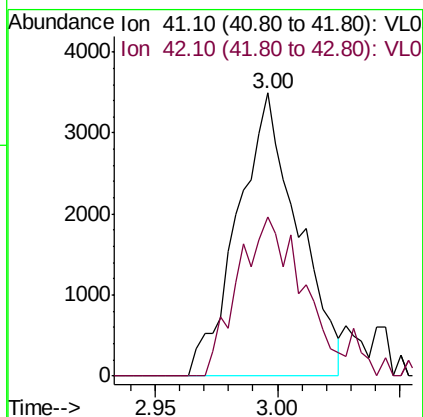
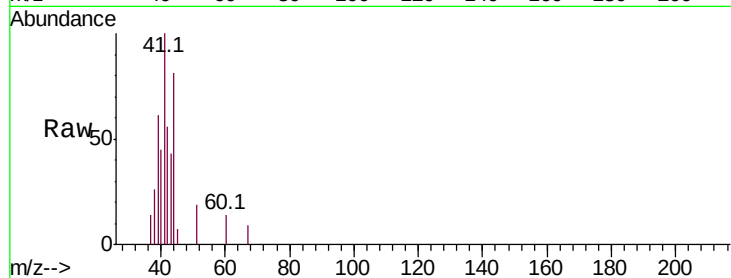
Ion Ratio Lower Upper

41 100

42 64.7 56.2 84.4

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#13

Ethanol

Concen: 0.374 ppbv m

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL035886.D

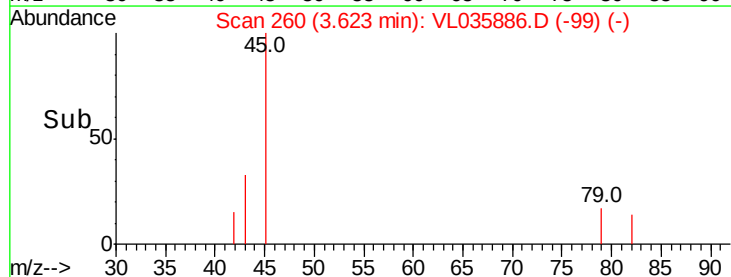
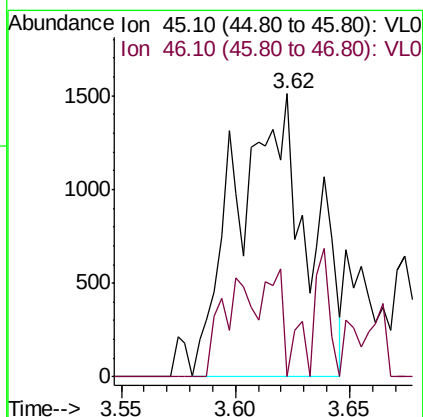
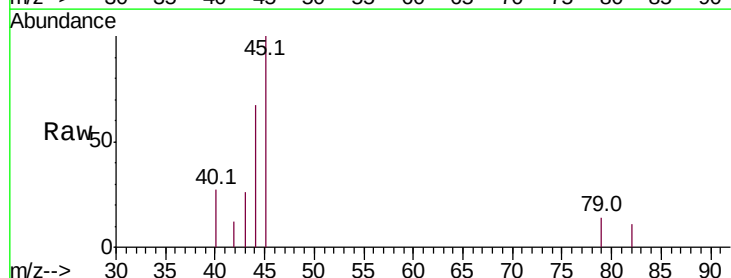
Acq: 6 Nov 2020 8:47

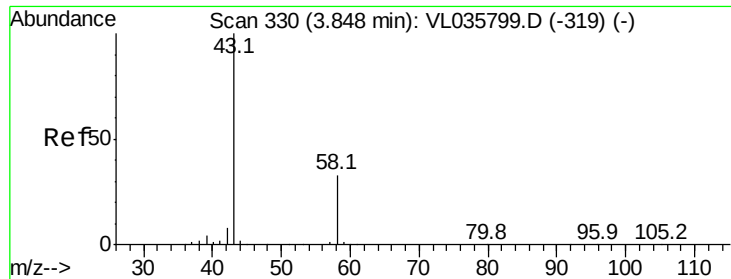
Tgt Ion: 45 Resp: 3315

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#





#15

Acetone

Concen: 0.353 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035886.D

Acq: 6 Nov 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 43 Resp: 35255

Ion Ratio Lower Upper

43 100

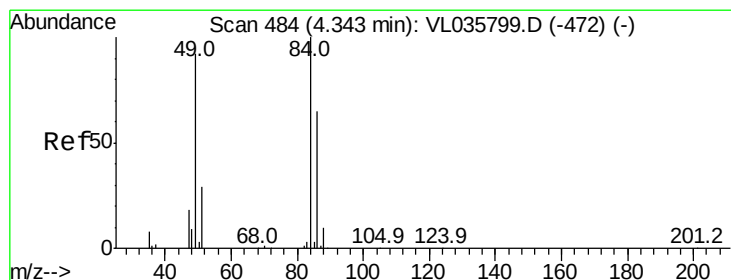
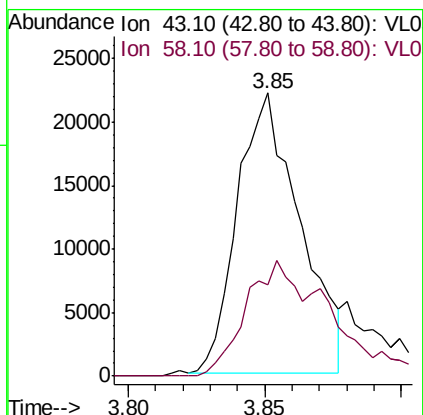
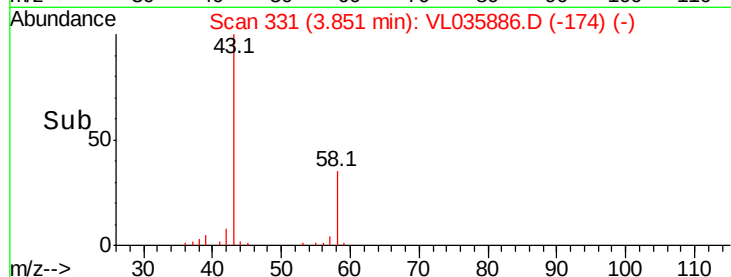
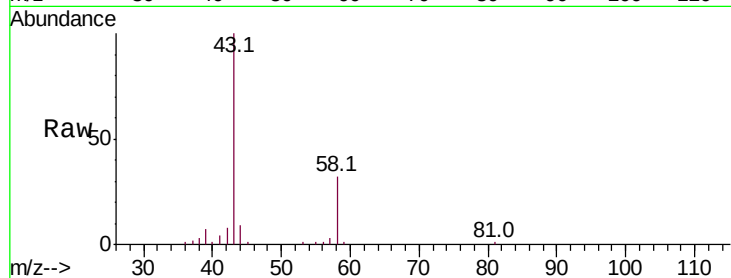
58 60.7 27.5 41.3#

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#20

Methylene Chloride

Concen: 0.249 ppbv m

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL035886.D

Acq: 6 Nov 2020 8:47

Tgt Ion: 84 Resp: 17459

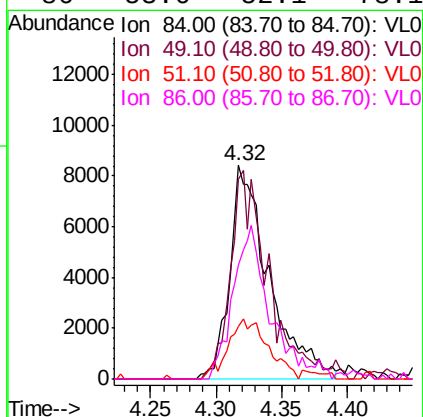
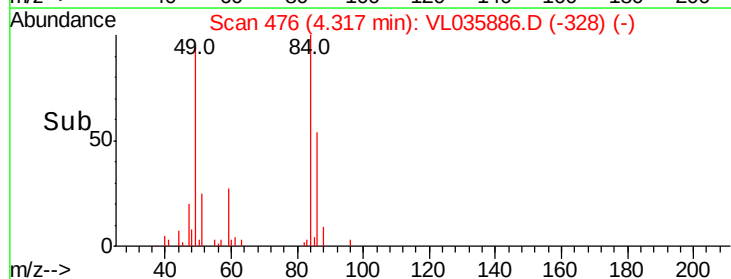
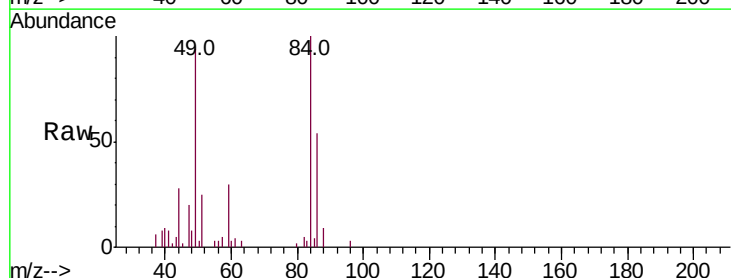
Ion Ratio Lower Upper

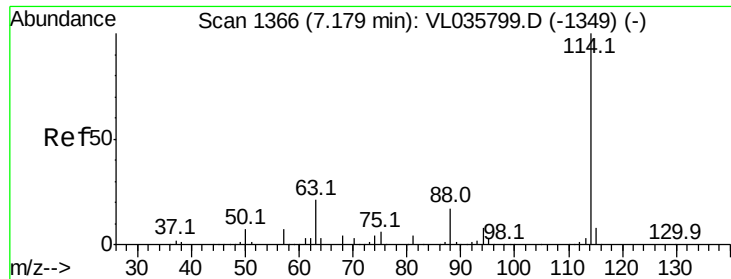
84 100

49 93.7 73.8 110.8

51 24.5 23.0 34.4

86 53.6 52.1 78.1





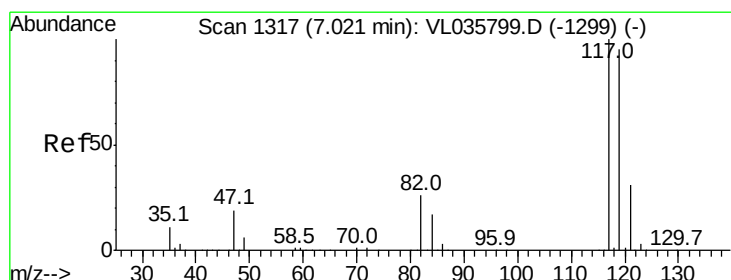
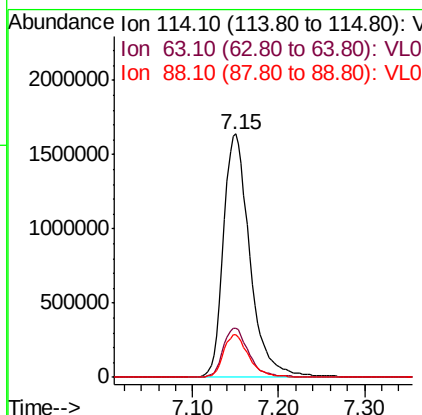
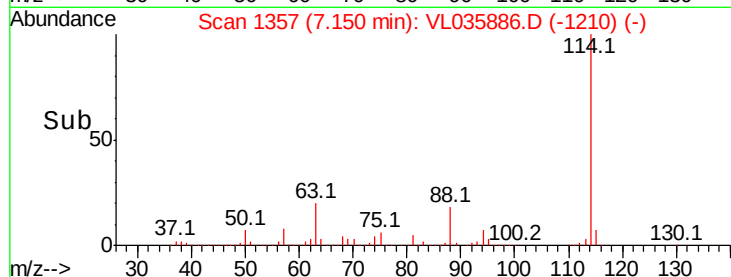
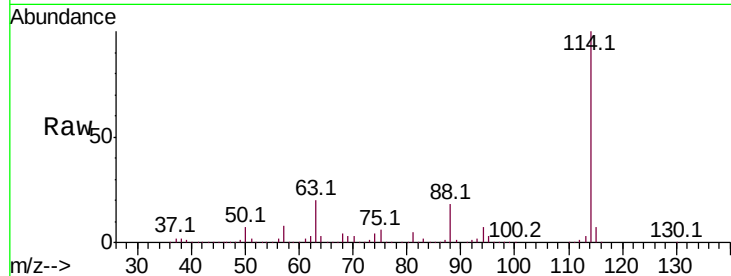
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL035886.D
 Acq: 6 Nov 2020 8:47

Instrument :
 MSVOA_L
 ClientSampled :
 VIBLK

Tot Ion:114 Resp: 3516915
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.1 24.1
 88 17.1 13.7 20.5

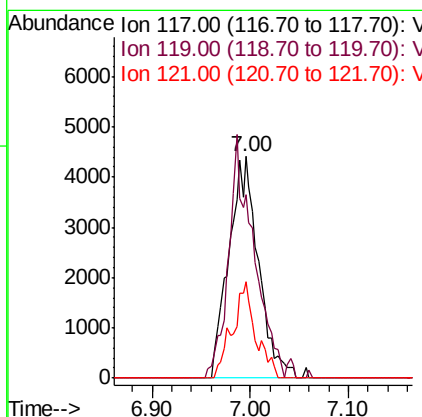
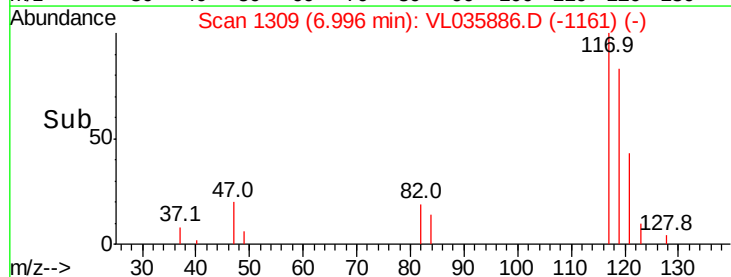
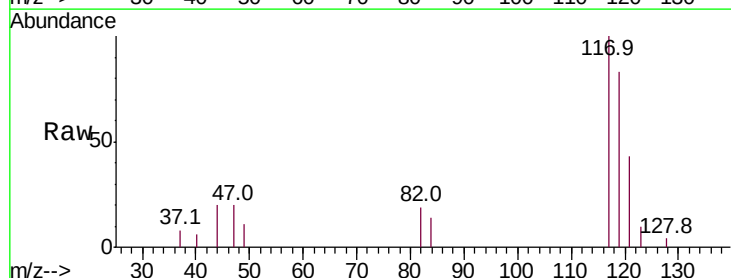
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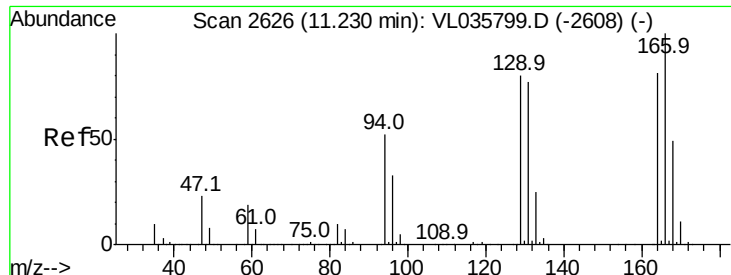
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#35
 Carbon Tetrachloride
 Concen: 0.049 ppbv m
 RT: 7.00 min Scan# 1309
 Delta R.T. -0.03 min
 Lab File: VL035886.D
 Acq: 6 Nov 2020 8:47

Tgt Ion:117 Resp: 9271
 Ion Ratio Lower Upper
 117 100
 119 82.9 75.6 113.4
 121 43.4 25.1 37.7#





#52

Tetrachloroethene

Concen: 0.050 ppbv m

RT: 11.20 min Scan# 2616

Delta R.T. -0.03 min

Lab File: VL035886.D

Acq: 6 Nov 2020 8:47

Instrument :

MSVOA_L

ClientSampled :

VIBLK

Tot Ion:164 Resp: 6220

Ion Ratio Lower Upper

164 100

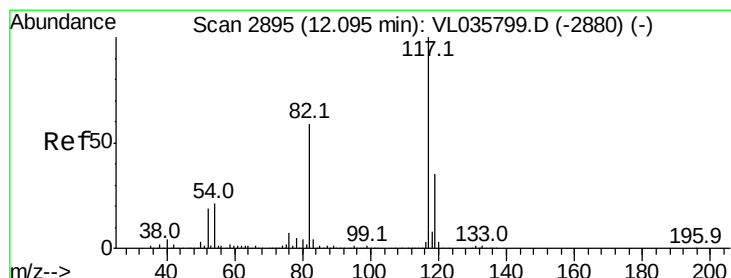
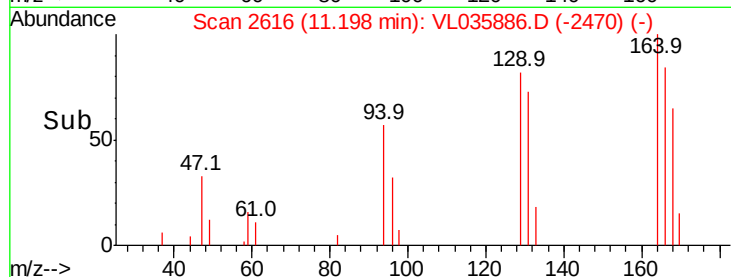
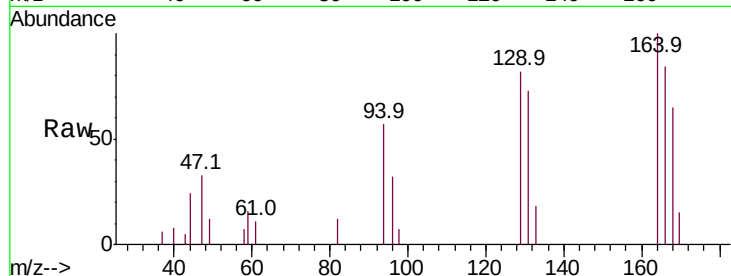
166 84.2 99.3 148.9#

129 81.8 79.3 118.9

131 72.6 76.5 114.7#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.04 min

Lab File: VL035886.D

Acq: 6 Nov 2020 8:47

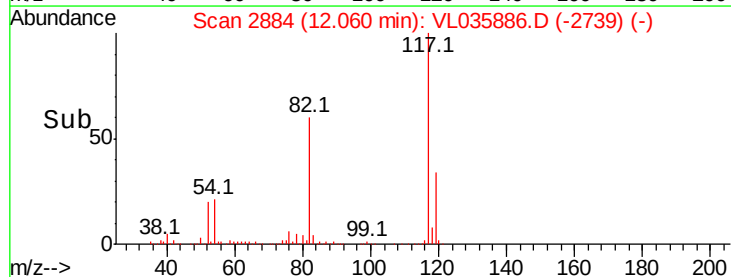
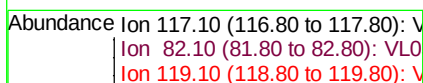
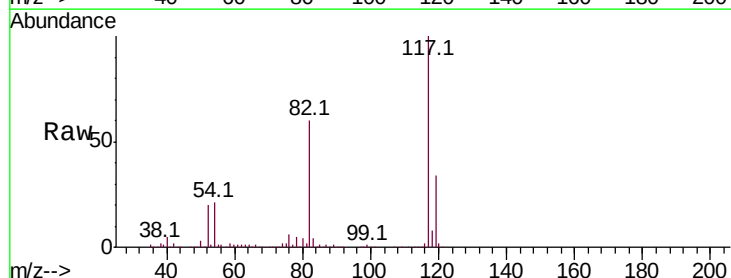
Tgt Ion:117 Resp: 3194497

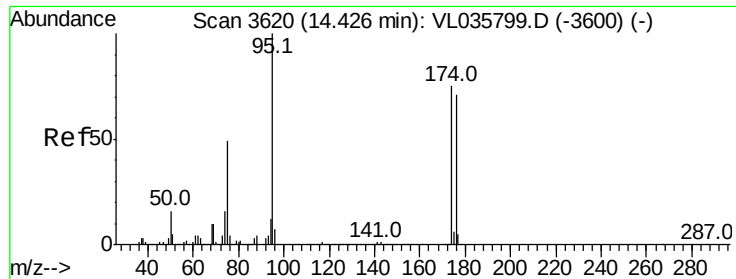
Ion Ratio Lower Upper

117 100

82 59.5 50.6 76.0

119 34.0 52.6 78.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.082 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.03 min
 Lab File: VL035886.D
 Acq: 6 Nov 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion	Ratio	Lower	Upper
95	100		
174	76.7	59.8	89.6
175	5.4	4.3	6.5

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