

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036994.D
 Acq On : 19 May 2021 16:29
 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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 5/24/2021 3:01:33 PM

Quant Time: May 20 07:29:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1176784	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3760937	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3481467	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2519865	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	6205m	0.077	ppbv	
9) Propene	3.00	41	14849m	0.192	ppbv	
15) Acetone	3.86	43	47298m	0.392	ppbv	
20) Methylene Chloride	4.33	84	13896	0.215	ppbv	# 91
26) Hexane	5.66	57	16831m	0.114	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	14558m	0.065	ppbv	
35) Carbon Tetrachloride	6.99	117	14538m	0.058	ppbv	
38) Trichloroethene	7.81	130	10838m	0.078	ppbv	
52) Tetrachloroethene	11.20	164	9939m	0.077	ppbv	
59) m/p-Xylene	12.98	91	56597m	0.139	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	57662m	0.757	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	27320m	0.128	ppbv	

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

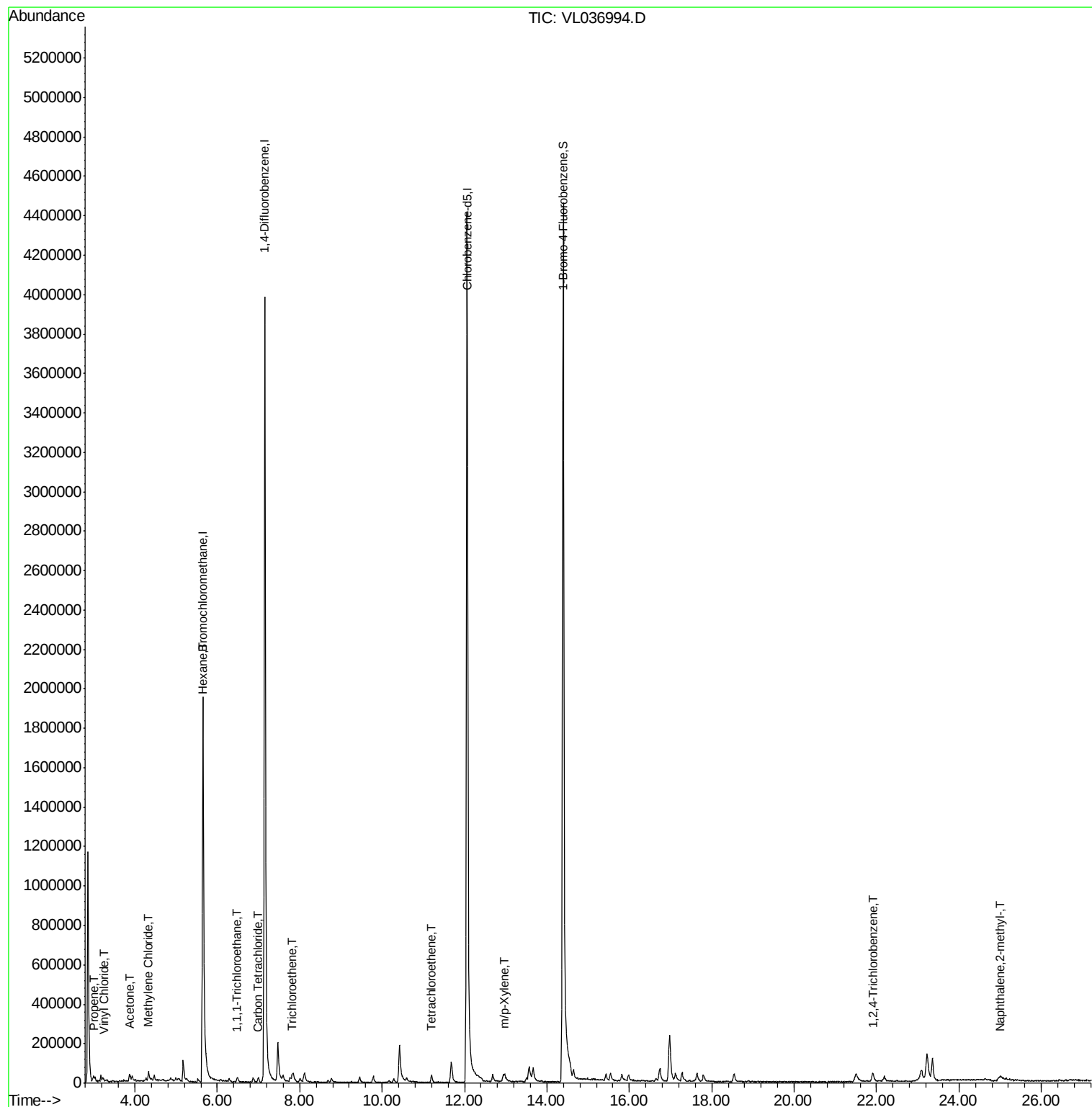
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL036994.D
Acq On : 19 May 2021 16:29
Operator : SY/AP
Sample : VIBLK
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

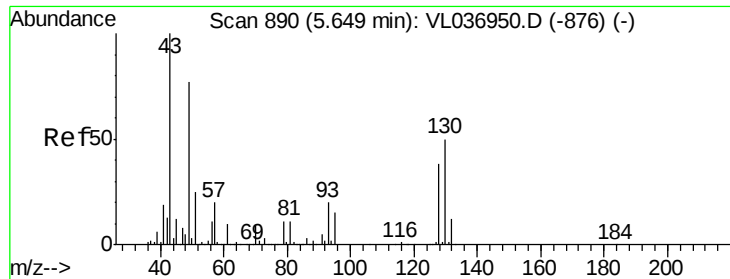
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Manual Integrations
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Quant Time: May 20 07:29:52 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036994.D

Acq: 19 May 2021 16:29

Instrument :

MSVOA_L

ClientSampled :

VIBLK

Tot Ion: 49 Resp: 1176784

Ion Ratio Lower Upper

49 100

128 55.7 26.9 80.7

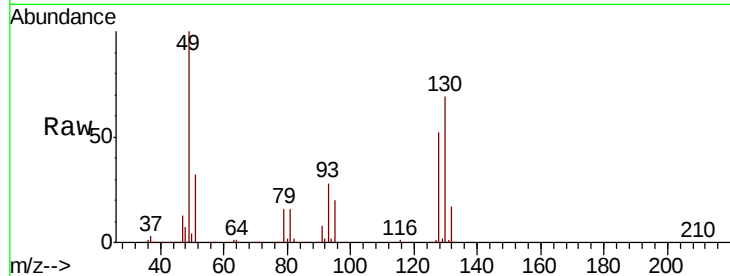
130 73.9 33.8 101.4

Manual Integrations

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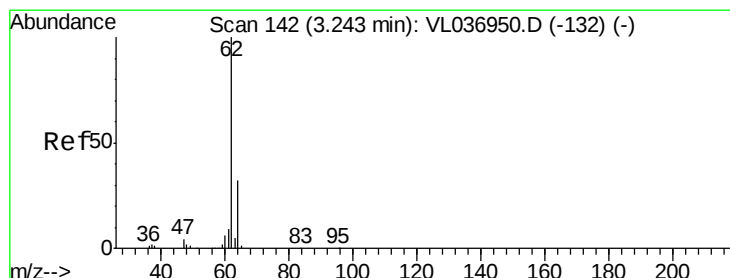
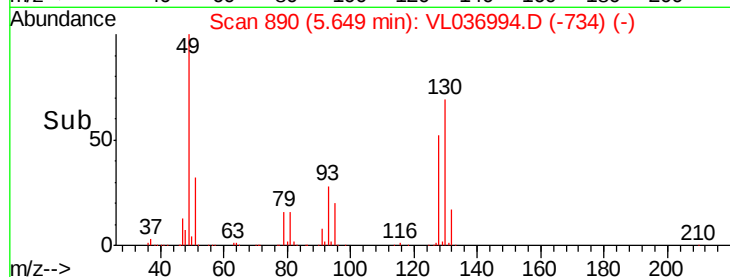
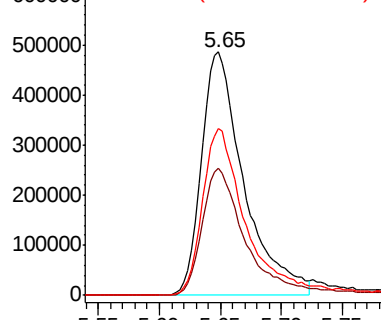
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.077 ppbv m

RT: 3.25 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL036994.D

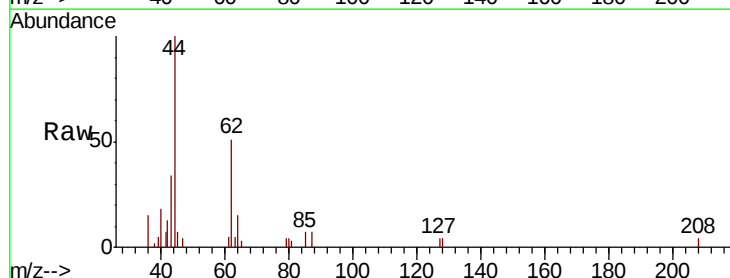
Acq: 19 May 2021 16:29

Tgt Ion: 62 Resp: 6205

Ion Ratio Lower Upper

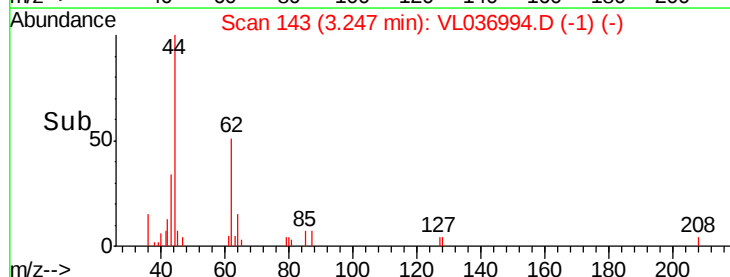
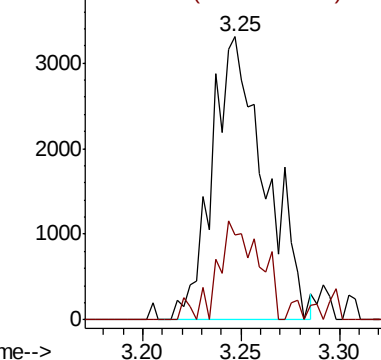
62 100

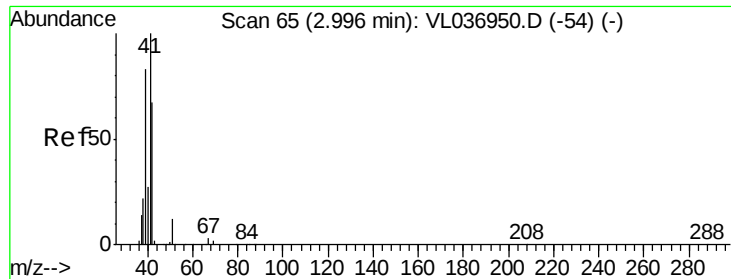
64 29.8 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 0.192 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL036994.D

Acq: 19 May 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 41 Resp: 14849

Ion Ratio Lower Upper

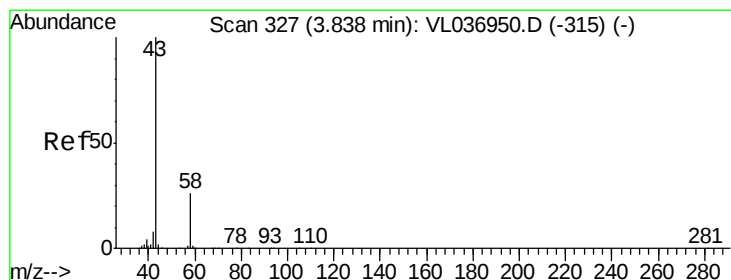
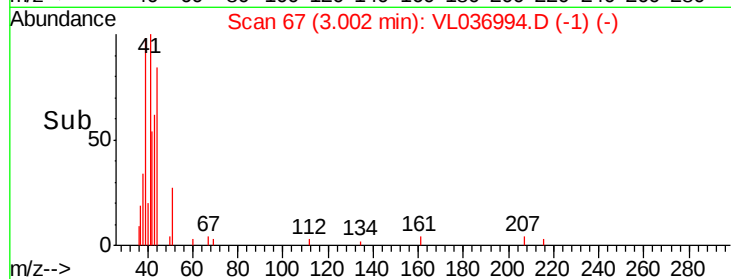
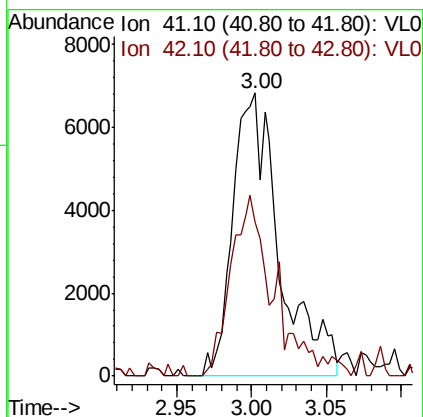
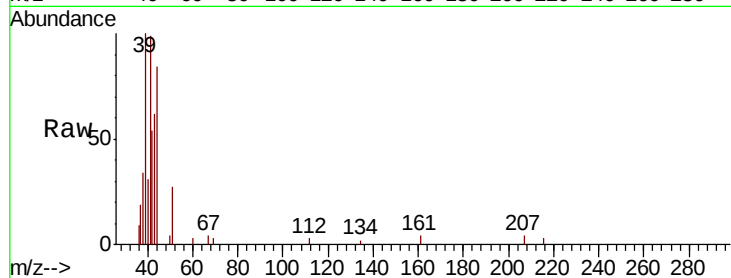
41 100

42 62.1 53.9 80.9

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#15

Acetone

Concen: 0.392 ppbv m

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL036994.D

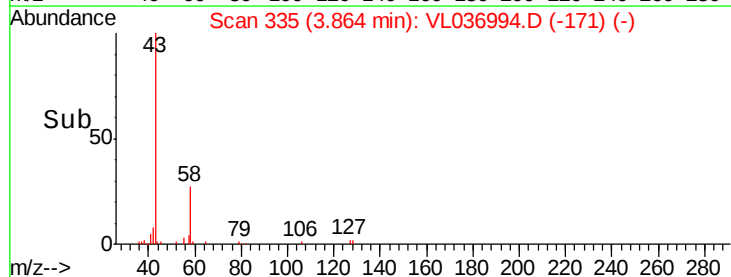
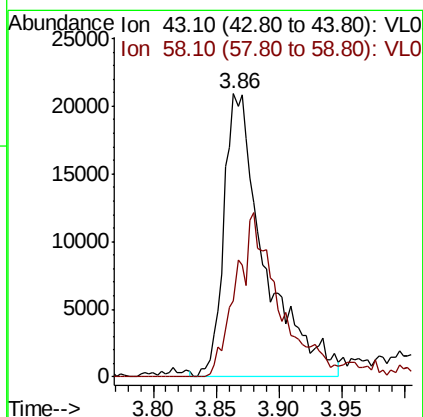
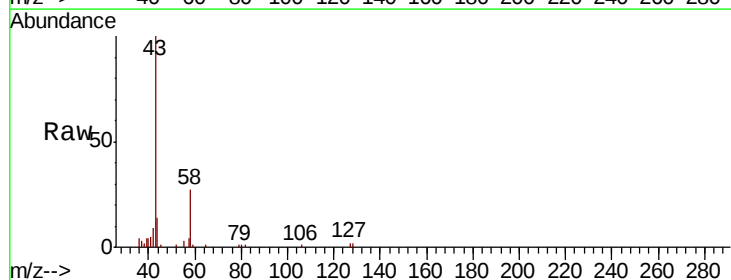
Acq: 19 May 2021 16:29

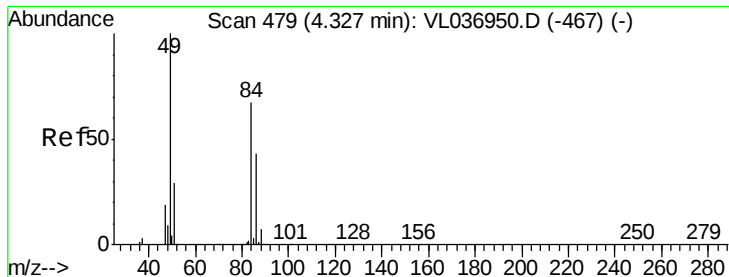
Tgt Ion: 43 Resp: 47298

Ion Ratio Lower Upper

43 100

58 64.6 24.0 36.0#





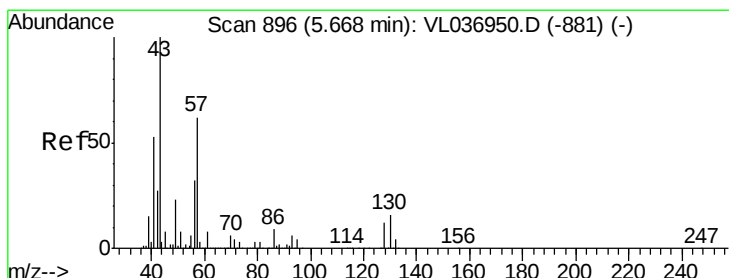
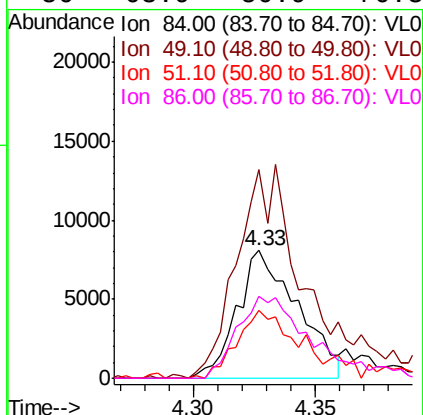
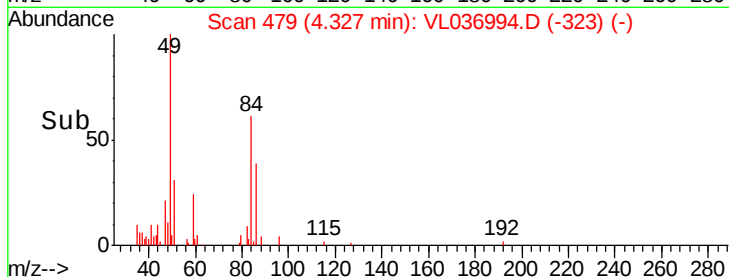
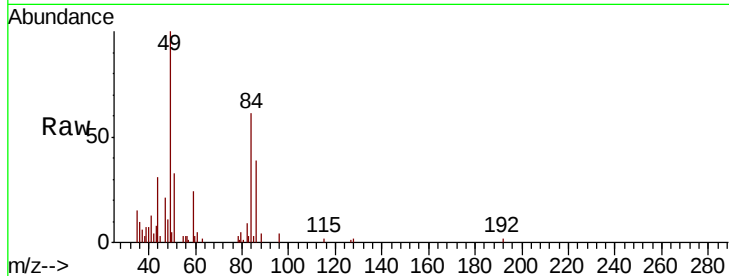
#20
Methvlene Chloride
Concen: 0.215 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL036994.D
Acq: 19 May 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion	84	Resp	13896
Ion	Ratio	Lower	Upper
84	100		
49	163.1	119.8	179.6
51	53.3	35.1	52.7#
86	63.9	50.9	76.3

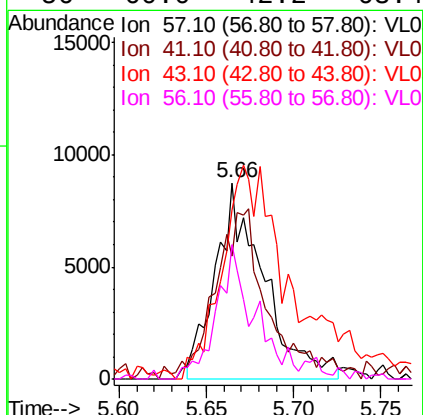
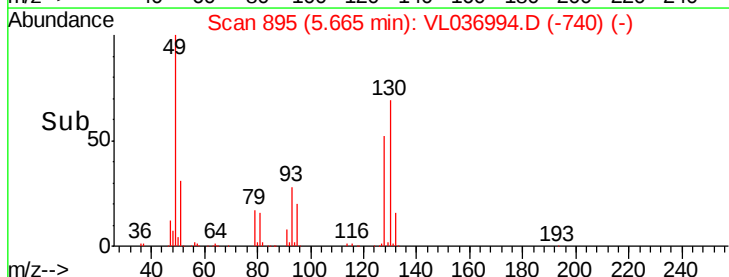
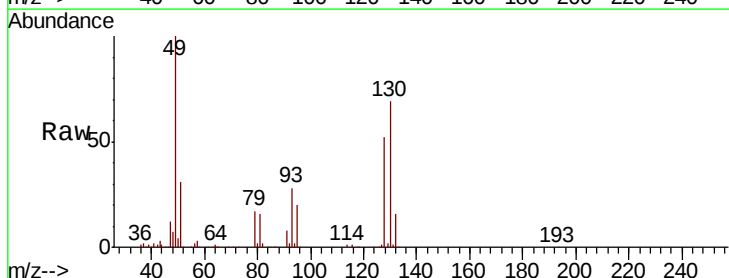
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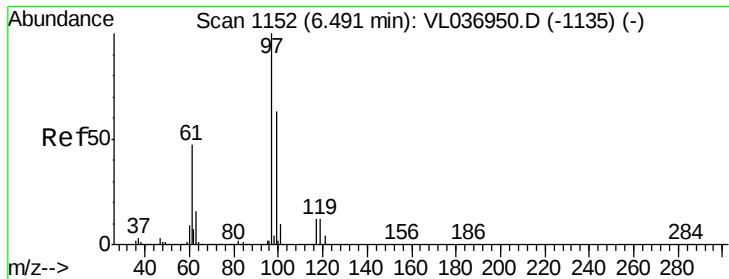
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#26
Hexane
Concen: 0.114 ppbv m
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL036994.D
Acq: 19 May 2021 16:29

Tgt Ion	57	Resp	16831
Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.5	105.7#
43	0.0	165.8	248.8#
56	60.0	42.2	63.4





#32

1,1,1-Trichloroethane

Concen: 0.065 ppbv m

RT: 6.49 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VL036994.D

Acq: 19 May 2021 16:29

Instrument :

MSVOA_L

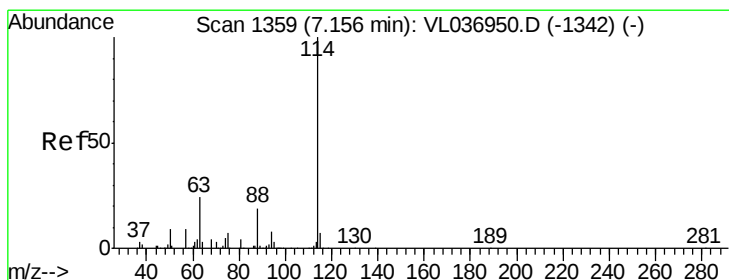
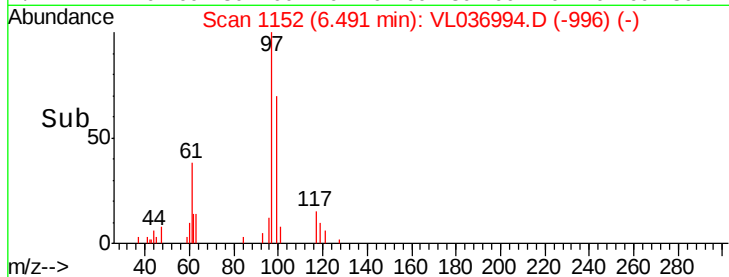
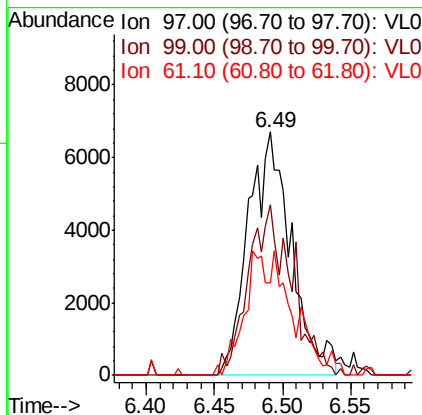
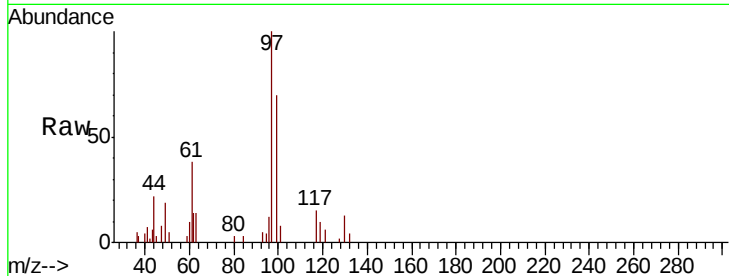
ClientSampleId :

VIBLK

Tot Ion:	97	Resp:	14558
Ion	Ratio	Lower	Upper
97	100		
99	71.2	51.9	77.9
61	0.0	37.6	56.4#

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

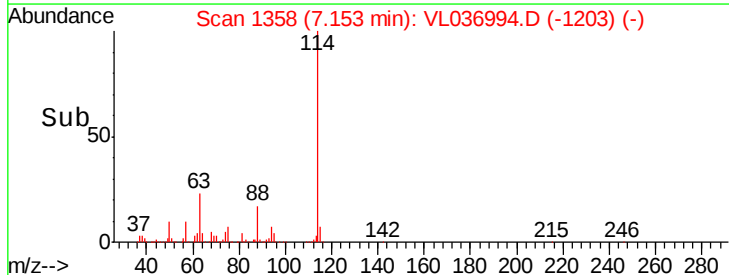
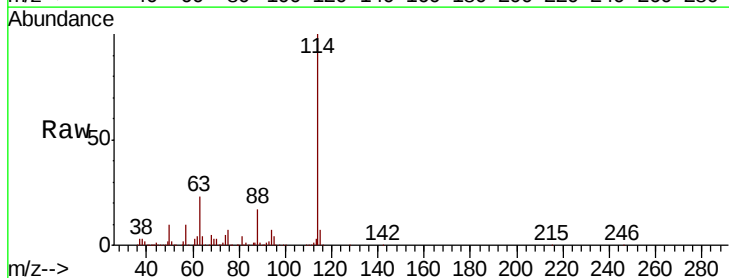
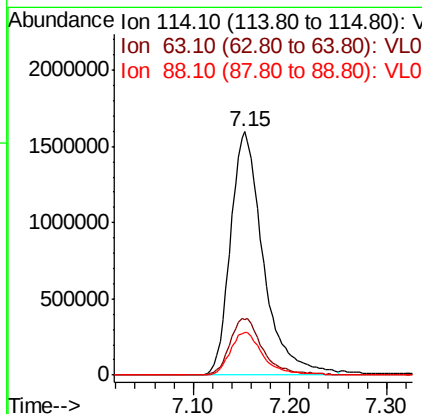
RT: 7.15 min Scan# 1358

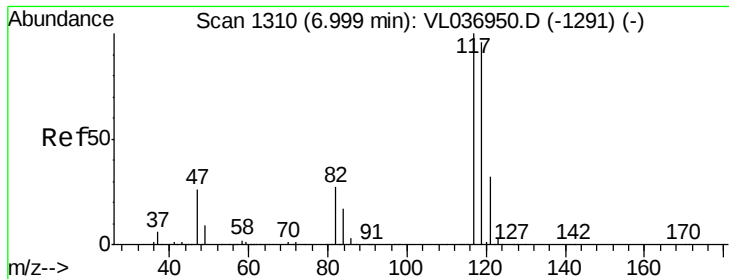
Delta R.T. -0.00 min

Lab File: VL036994.D

Acq: 19 May 2021 16:29

Tgt Ion:	114	Resp:	3760937
Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.6	29.4
88	17.9	14.6	21.8





#35

Carbon Tetrachloride

Concen: 0.058 ppbv m

RT: 6.99 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL036994.D

Acq: 19 May 2021 16:29

Instrument :

MSVOA_L

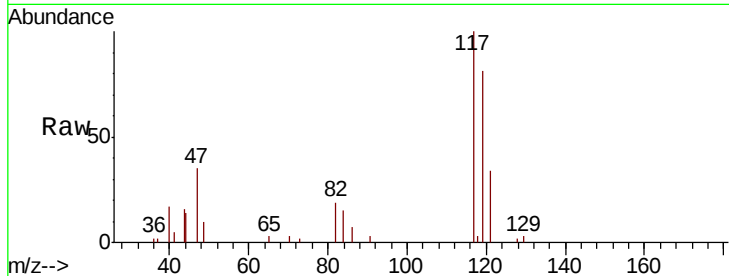
ClientSampled :

VIBLK

Tot Ion:	117	Resp:	14538
Ion	Ratio	Lower	Upper
117	100		
119	81.0	76.6	114.8
121	34.2	25.8	38.6

Manual Integrations
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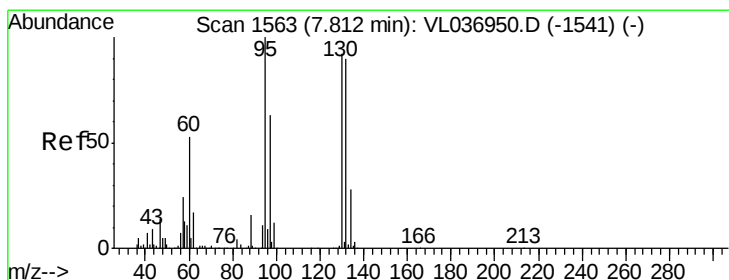
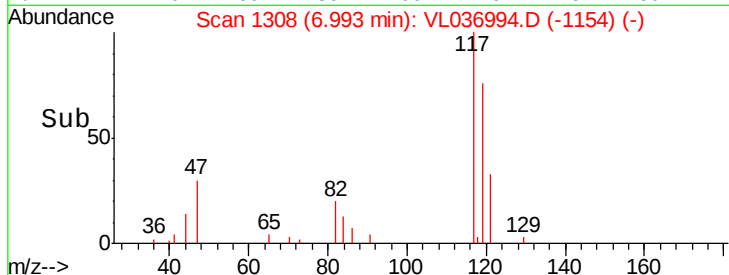
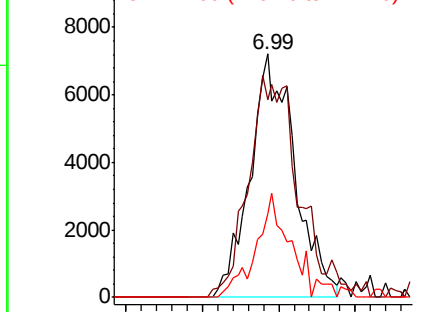


Abundance

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: 0.078 ppbv m

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL036994.D

Acq: 19 May 2021 16:29

Tgt Ion:	130	Resp:	10838
Ion	Ratio	Lower	Upper
130	100		
95	93.2	86.9	130.3
132	135.9	78.4	117.6#
97	52.1	55.0	82.6#

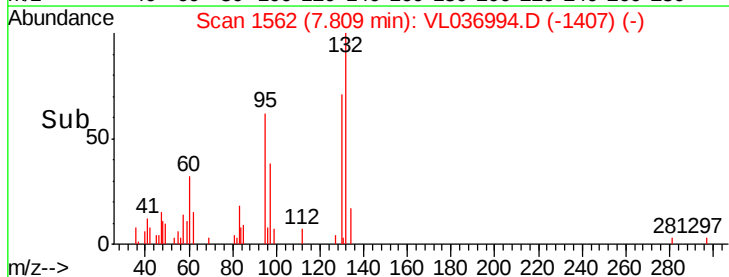
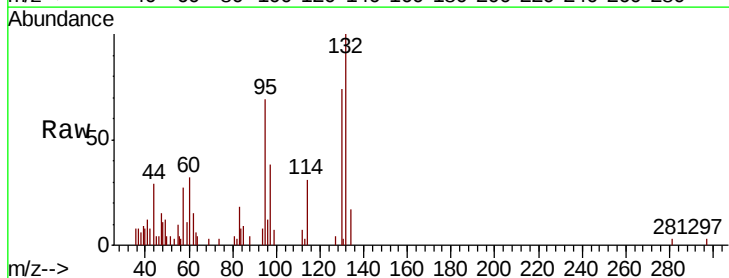
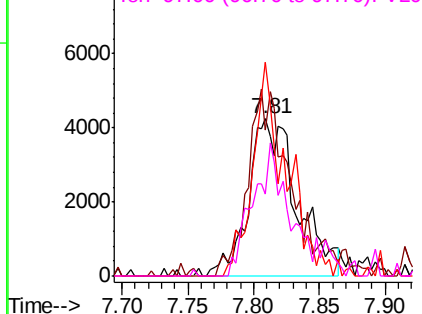
Abundance

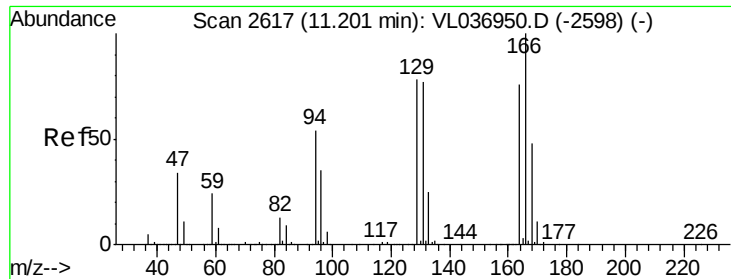
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V





#52

Tetrachloroethene

Concen: 0.077 ppbv m

RT: 11.20 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL036994.D

Acq: 19 May 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion:164 Resp: 9939

Ion Ratio Lower Upper

164 100

166 94.0 105.5 158.3#

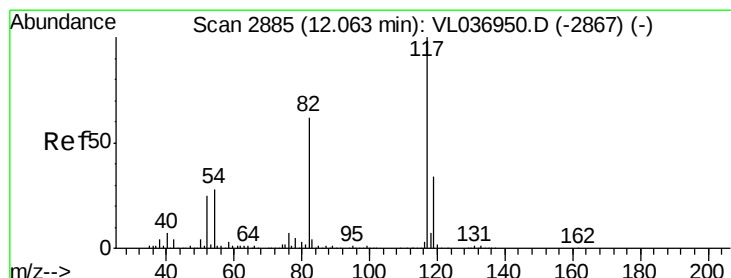
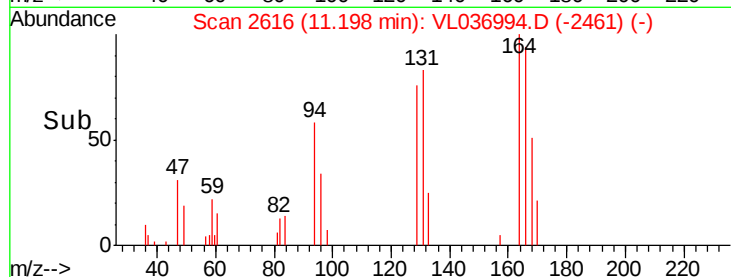
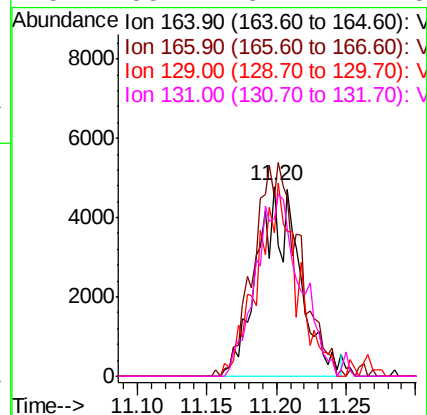
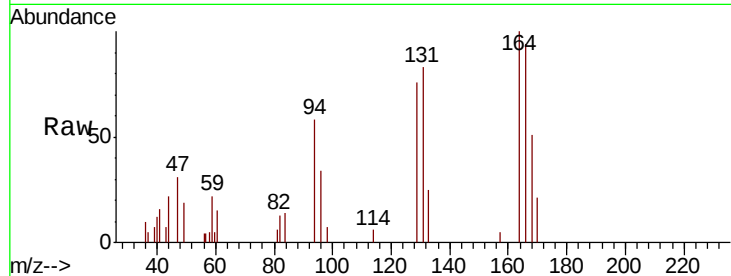
129 75.7 81.8 122.8#

131 83.2 81.2 121.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.00 min

Lab File: VL036994.D

Acq: 19 May 2021 16:29

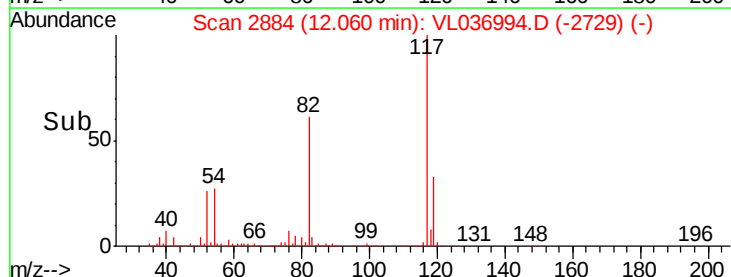
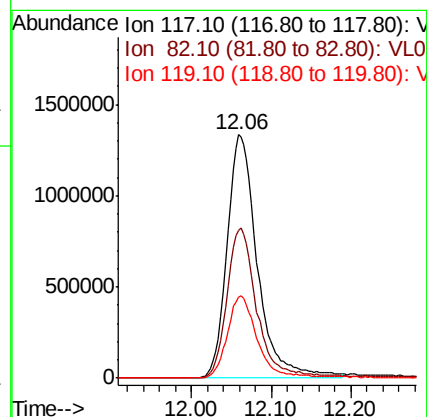
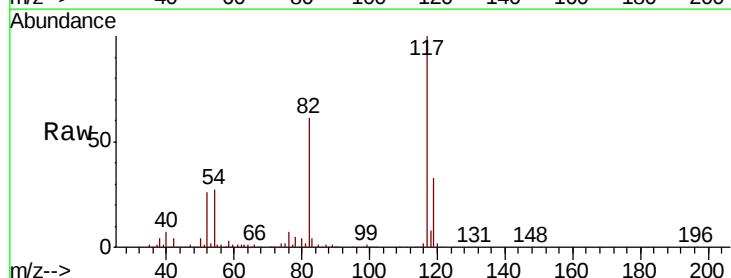
Tgt Ion:117 Resp: 3481467

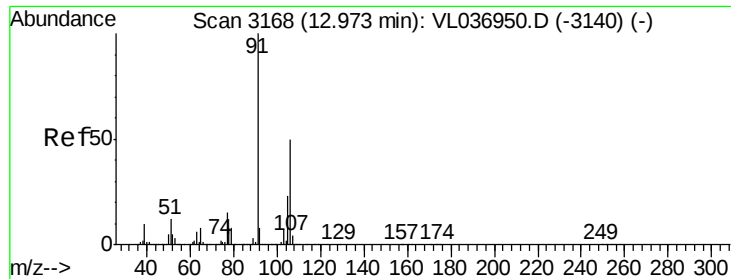
Ion Ratio Lower Upper

117 100

82 61.3 52.6 79.0

119 34.0 46.6 70.0#





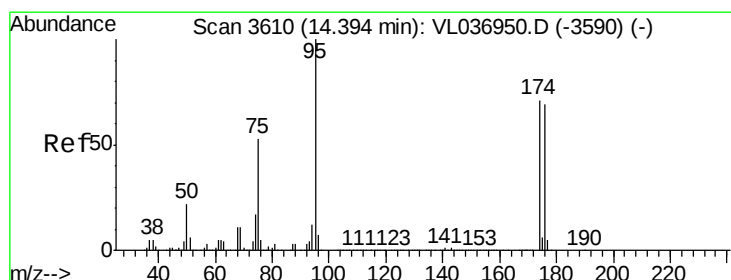
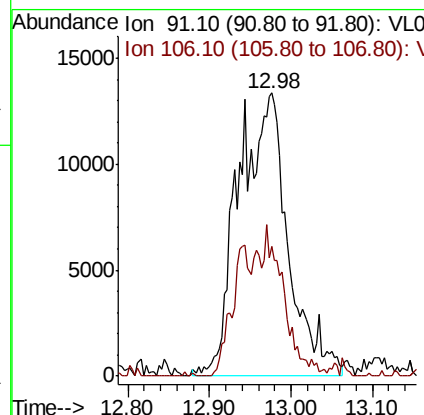
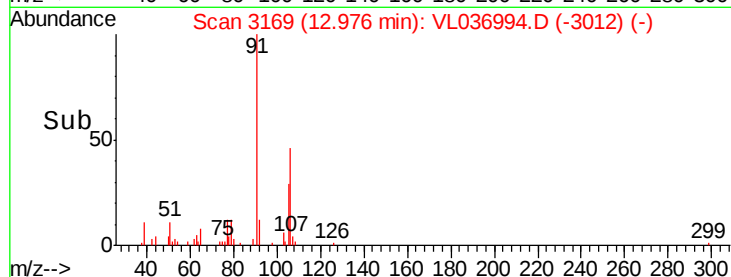
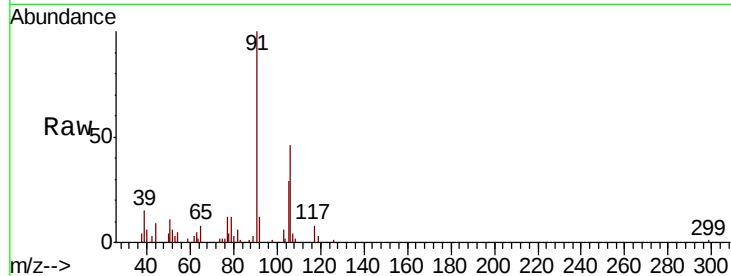
#59
m/p-Xylene
Concen: 0.139 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL036994.D
Acq: 19 May 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 91 Resp: 56597
Ion Ratio Lower Upper
91 100
106 46.2 37.4 56.2

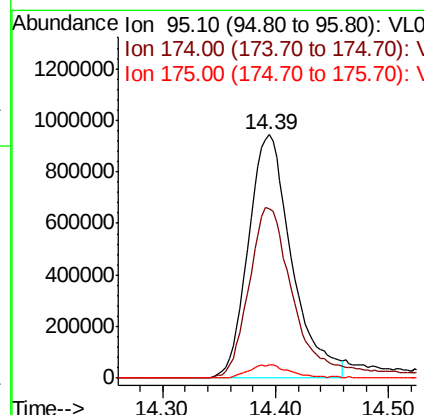
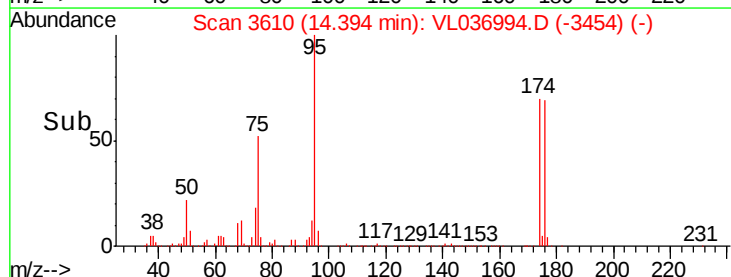
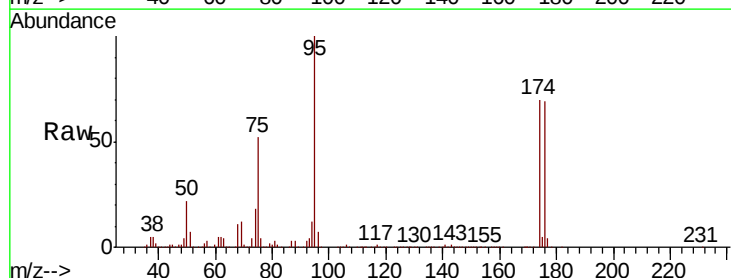
Manual Integrations
APPROVED

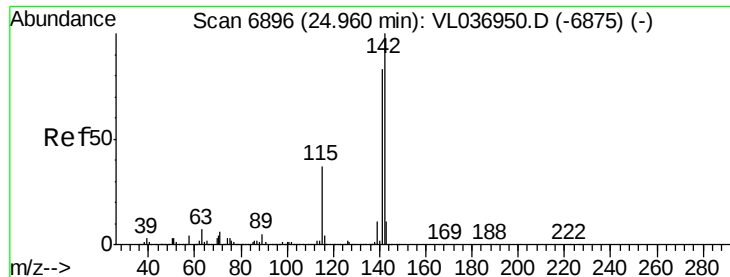
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.635 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VL036994.D
Acq: 19 May 2021 16:29

Tgt Ion: 95 Resp: 2519865
Ion Ratio Lower Upper
95 100
174 76.8 58.4 87.6
175 5.7 4.4 6.6





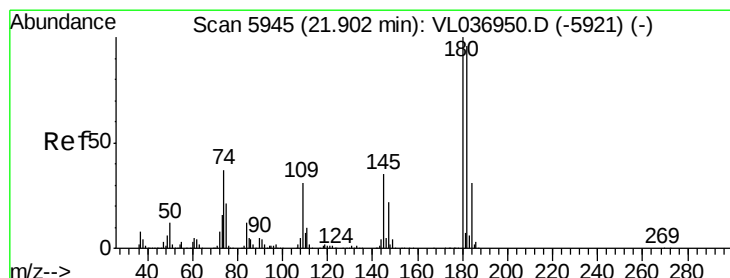
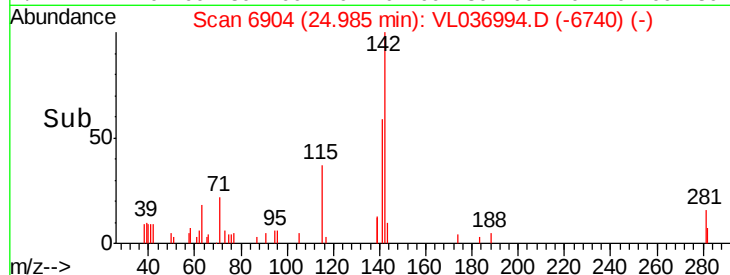
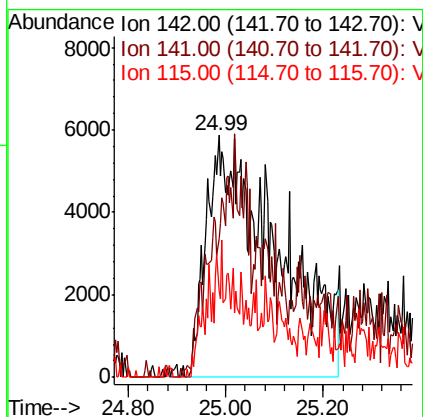
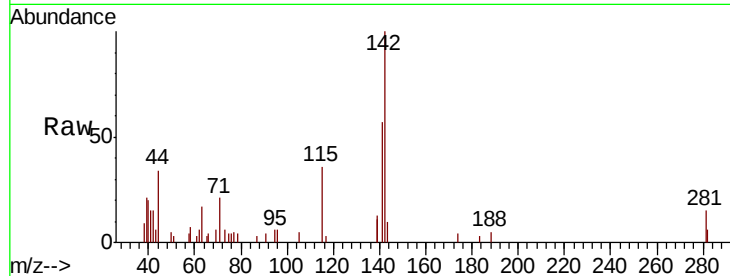
#80
Naphthalene, 2-methyl-
Concen: 0.757 ppbv m
RT: 24.99 min Scan# 6904
Delta R.T. 0.03 min
Lab File: VL036994.D
Acq: 19 May 2021 16:29

Instrument :
MSVOA_L
Client Sampled :
VIBLK

Tot Ion	Ratio	Lower	Upper
142	100		
141	0.0	69.3	103.9#
115	15.3	29.1	43.7#

Manual Integrations
APPROVED

MMDadoda
5/24/2021 3:01:33 PM



#81
1,2,4-Trichlorobenzene
Concen: 0.128 ppbv m
RT: 21.92 min Scan# 5951
Delta R.T. 0.02 min
Lab File: VL036994.D
Acq: 19 May 2021 16:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	81.7	122.5#
184	0.0	24.9	37.3#

