

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038146.D
 Acq On : 7 Dec 2021 12:12
 Operator : SY/AP
 Sample : M4859-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SS-1DL

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 07 15:32:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	908801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2467567	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2157685	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1675528	10.77	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	4841m	0.076	ppbv	
9) Propene	3.01	41	35680	0.508	ppbv	96
13) Ethanol	3.62	45	9101m	1.340	ppbv	
15) Acetone	3.86	43	62126m	0.788	ppbv	
20) Methylene Chloride	4.34	84	82125	1.861	ppbv	97
26) Hexane	5.68	57	37190	0.295	ppbv #	52
31) cis-1,2-Dichloroethene	5.54	61	16843	0.140	ppbv	93
35) Carbon Tetrachloride	7.00	117	6146m	0.035	ppbv	
38) Trichloroethene	7.83	130	9968m	0.107	ppbv	
52) Tetrachloroethene	11.20	164	30409m	0.334	ppbv	

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

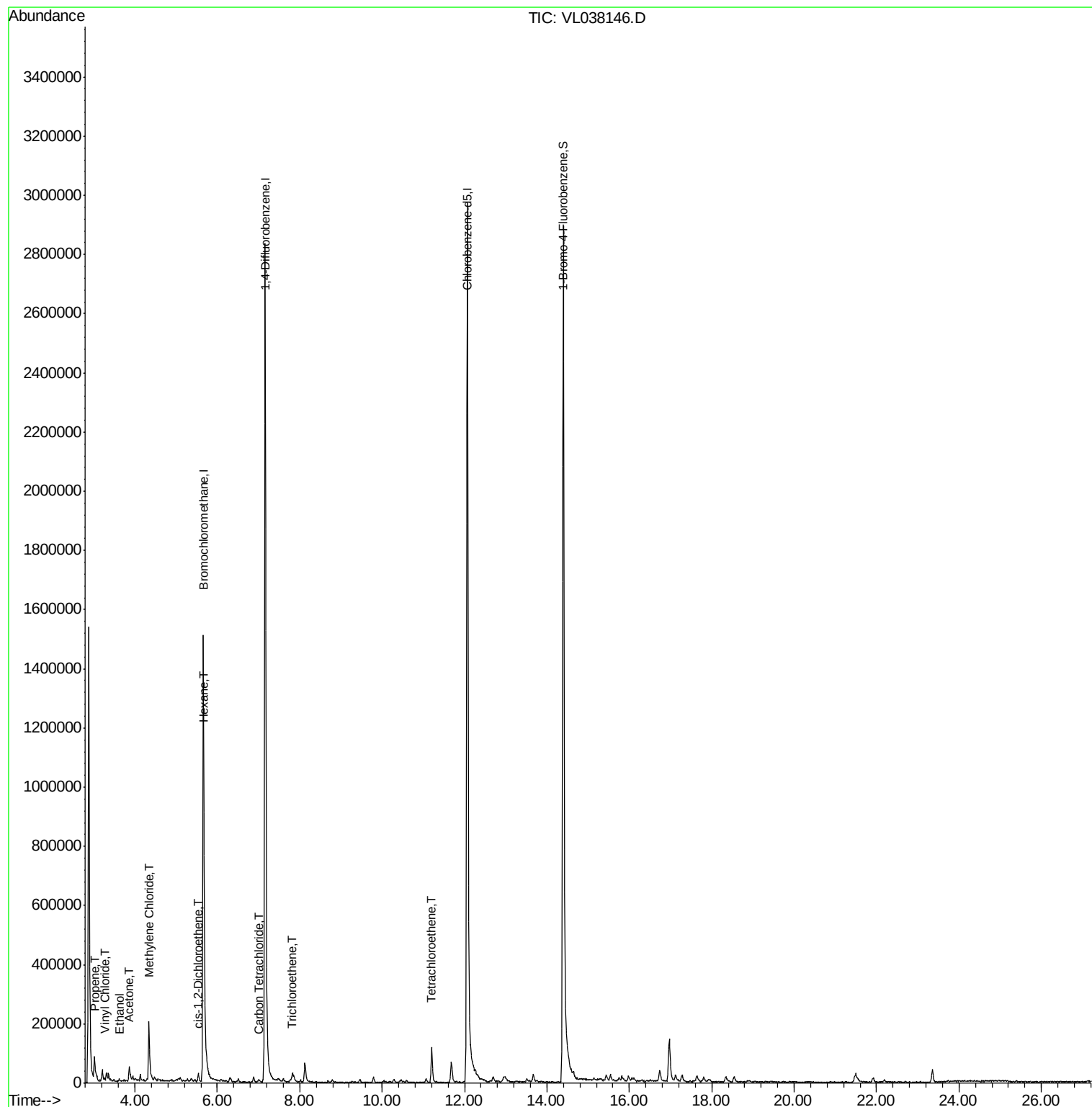
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120721\
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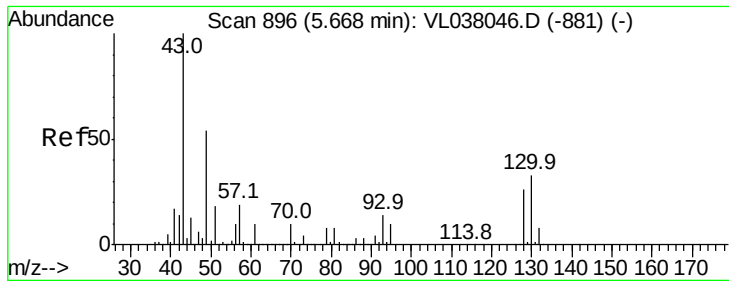
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Quant Time: Dec 07 15:32:08 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 12:12

Tot Ion:

Ion Ratio

49 100

128 47.

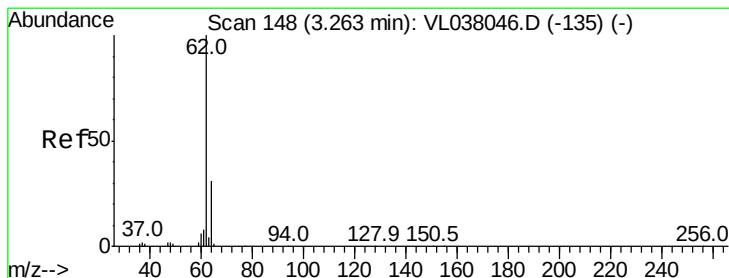
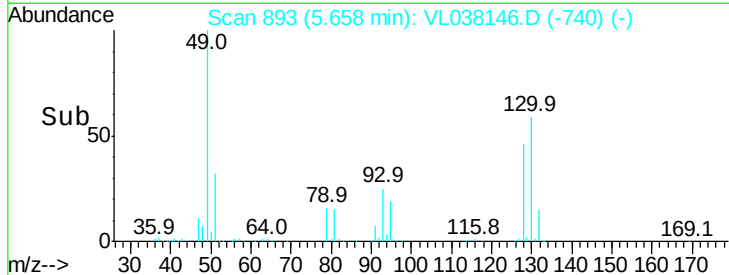
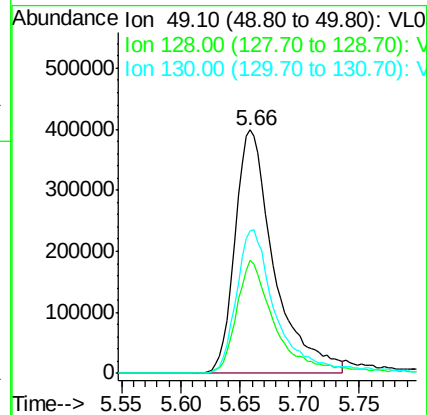
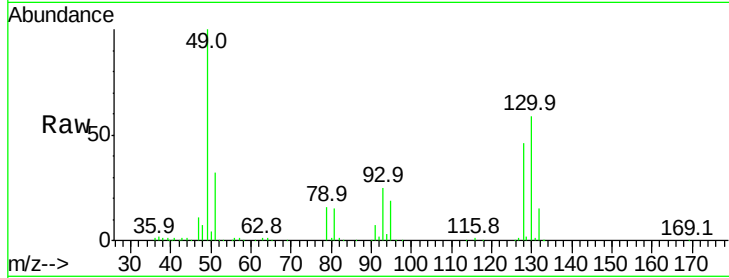
130 62.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.076 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL038146.D

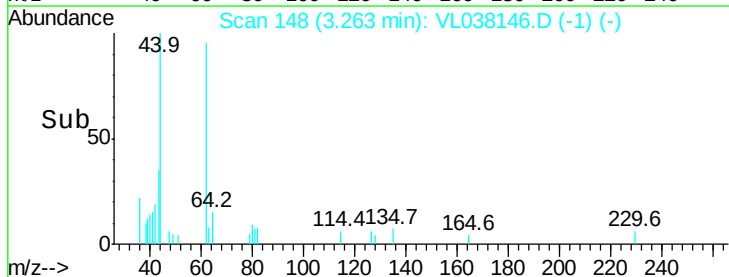
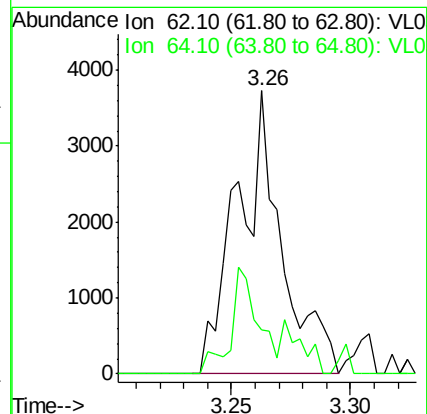
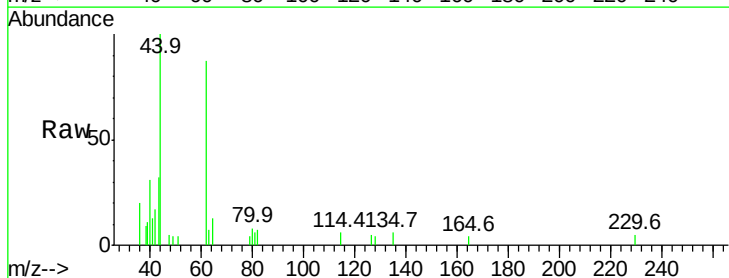
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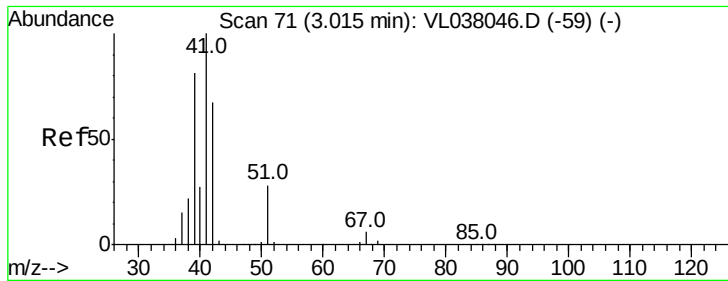
Tgt Ion: 62 Resp: 4841

Ion Ratio Lower Upper

62 100

64 15.3 25.1 37.7#





#9

Propene

Concen: 0.508 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 12:12 SS-1DL

Tot Ion:

Ion Ratio

41 100

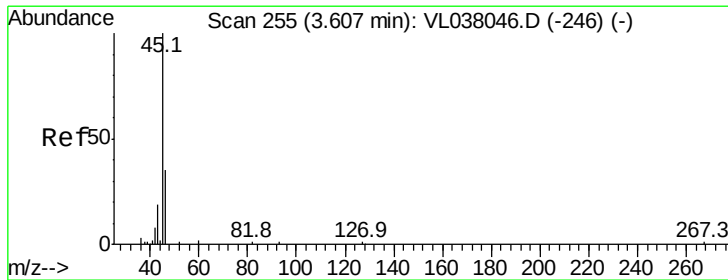
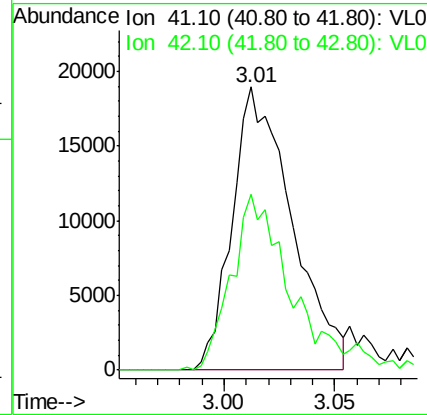
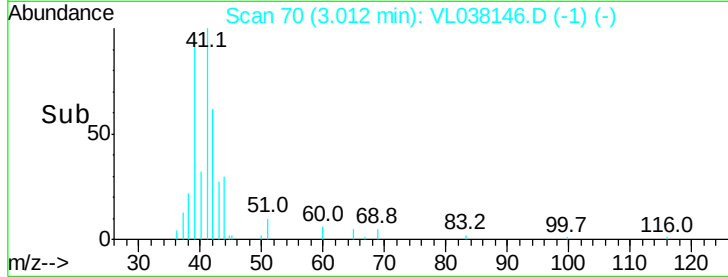
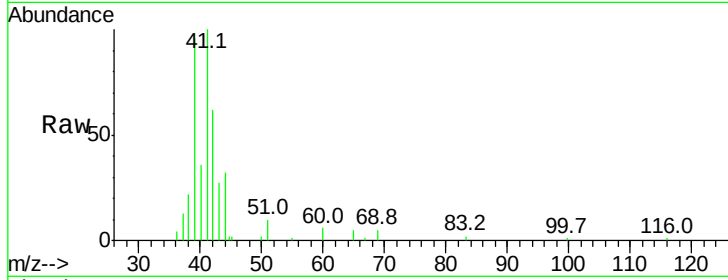
42 63.

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#13

Ethanol

Concen: 1.340 ppbv m

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL038146.D

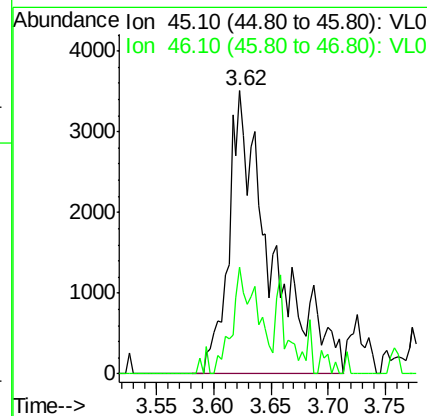
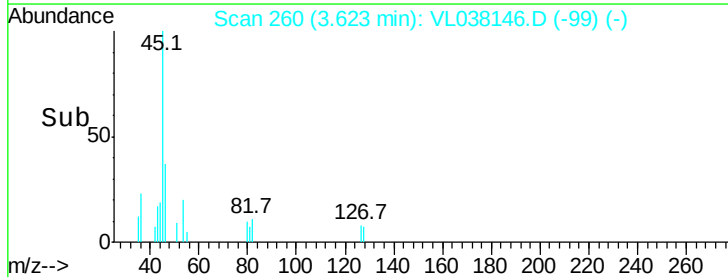
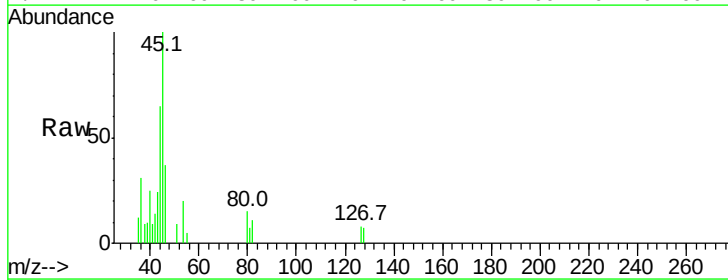
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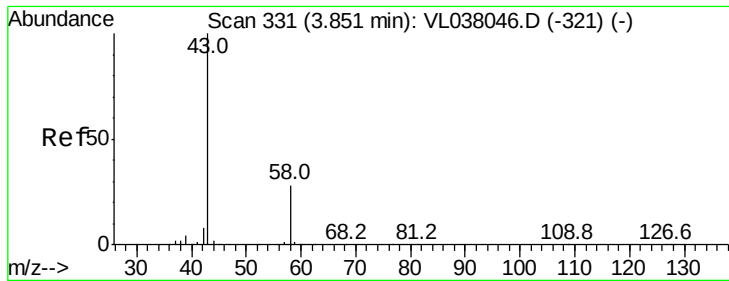
Tgt Ion: 45 Resp: 9101

Ion Ratio Lower Upper

45 100

46 33.8 17.6 70.2





#15

Acetone

Concen: 0.788 ppbv m

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 12:12 SS-1DL

Tot Ion:

Ion Ratio

43 100

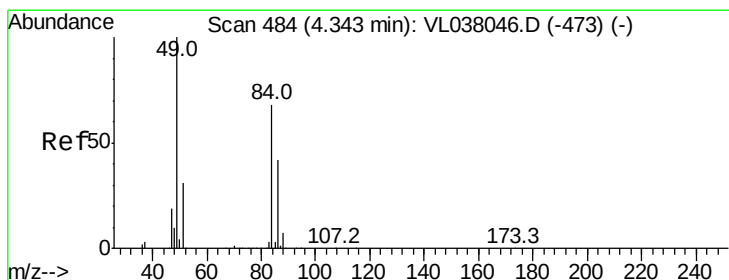
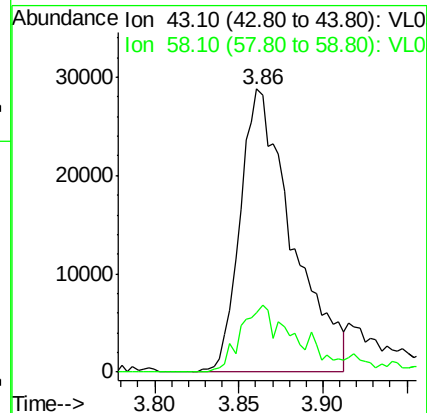
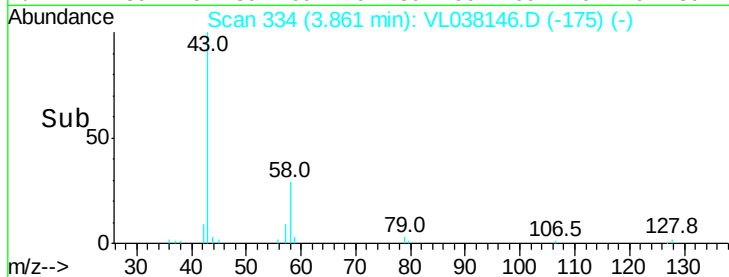
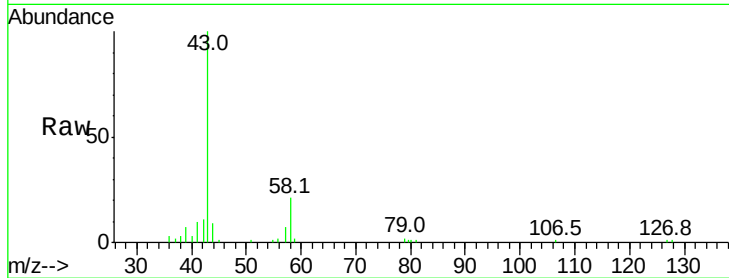
58 31.

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#20

Methylene Chloride

Concen: 1.861 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL038146.D

Acq: 7 Dec 2021 12:12

Tgt Ion: 84 Resp: 82125

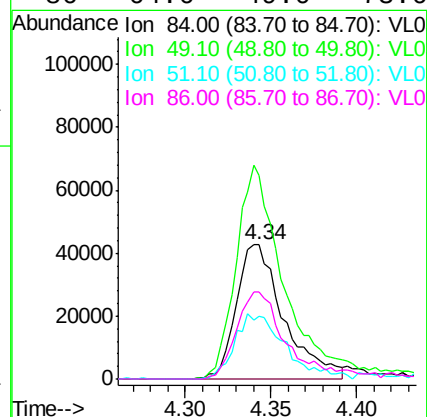
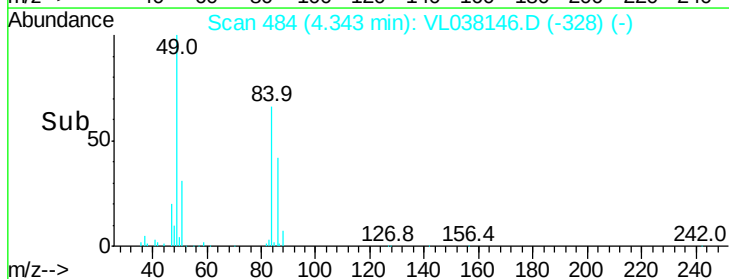
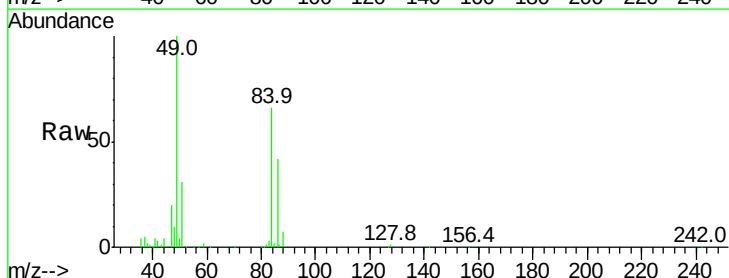
Ion Ratio Lower Upper

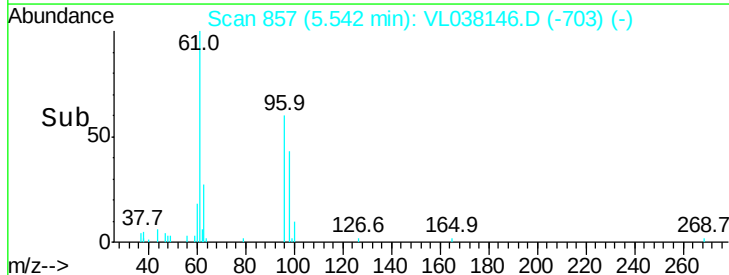
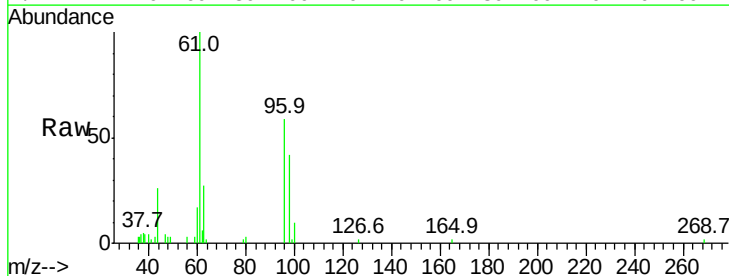
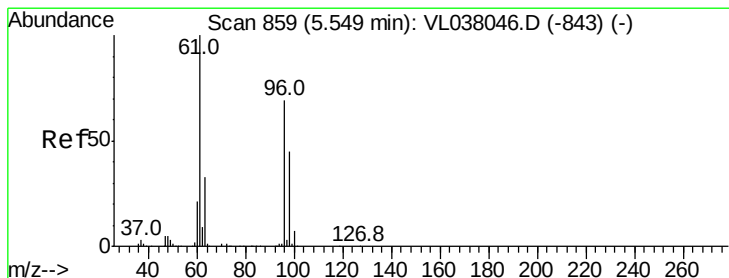
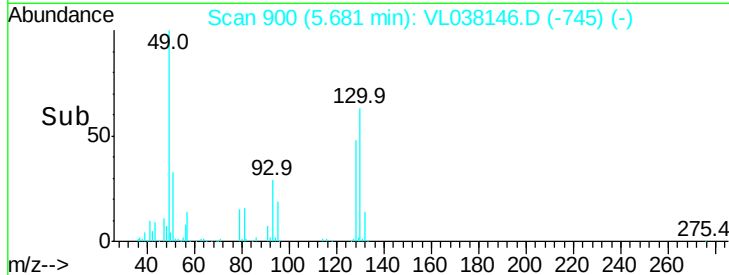
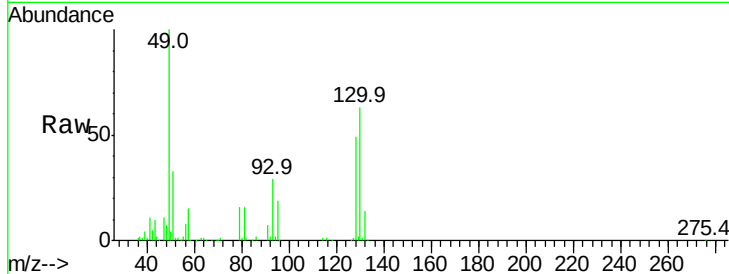
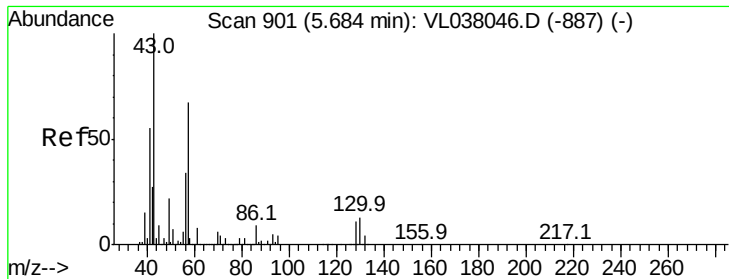
84 100

49 152.1 118.2 177.2

51 47.2 36.8 55.2

86 64.6 49.0 73.6



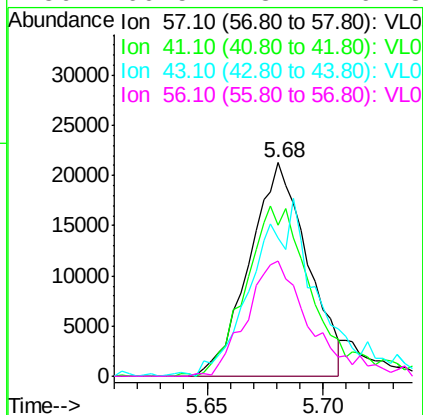


#26
Hexane
Concen: 0.295 ppbv
RT: 5.68
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 7 Dec 2021 12:12

Tot Ion:
Ion Ratio
57 100
41 98.
43 100.
56 60.5 43.2 64.8

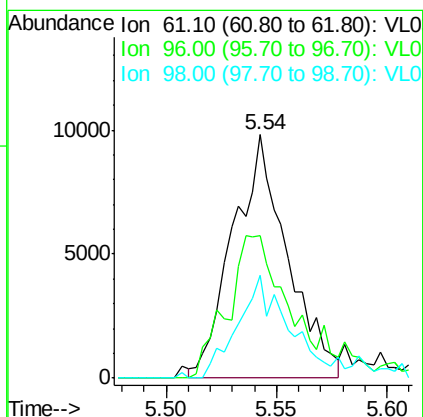
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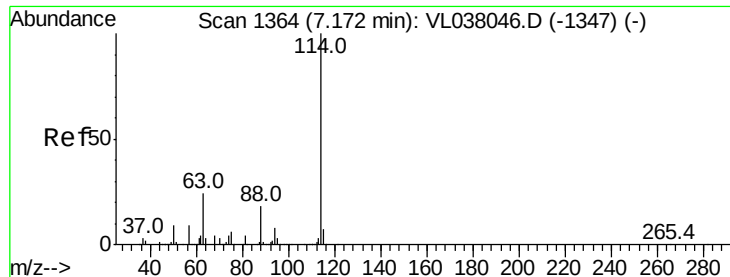
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#31
cis-1,2-Dichloroethene
Concen: 0.140 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL038146.D
Acq: 7 Dec 2021 12:12

Tgt Ion: 61 Resp: 16843
Ion Ratio Lower Upper
61 100
96 60.9 55.4 83.2
98 43.8 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16

Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId :

Acq: 7 Dec 2021 12:12

Tot Ion:1

Ion Rati

114 100

63 26.

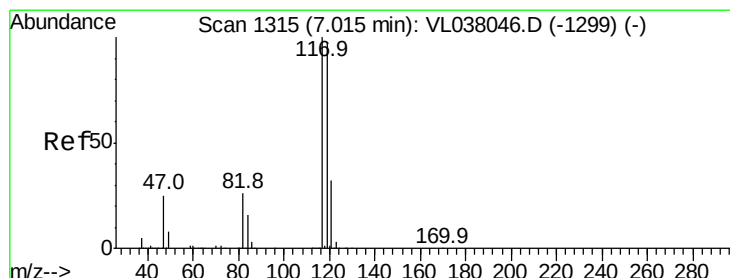
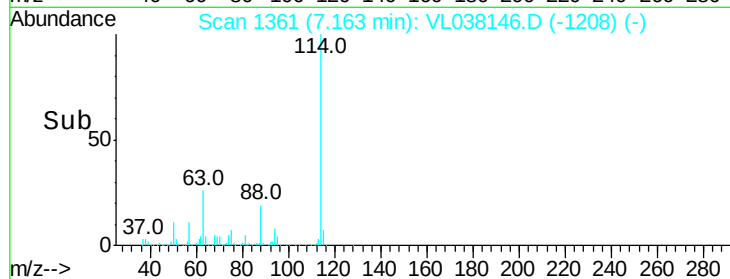
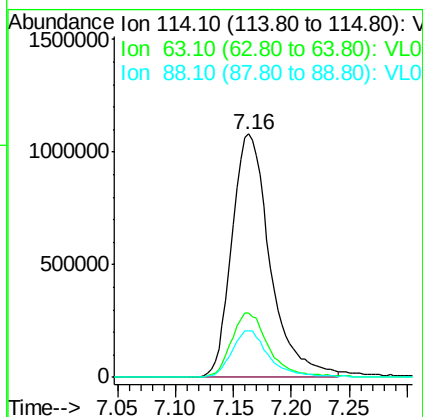
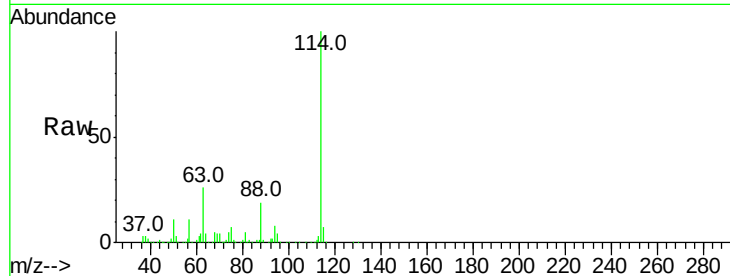
88 19.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/08/2021



#35

Carbon Tetrachloride

Concen: 0.035 ppbv m

RT: 7.00 min Scan# 1311

Delta R.T. -0.01 min

Lab File: VL038146.D

Acq: 7 Dec 2021 12:12

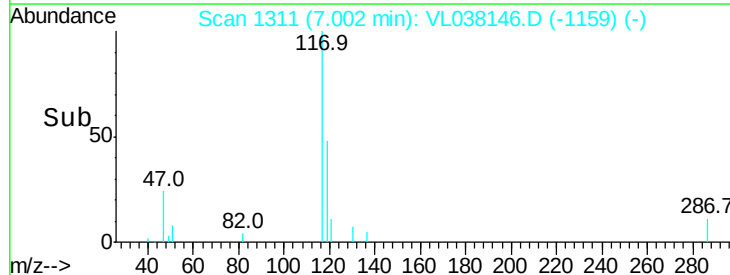
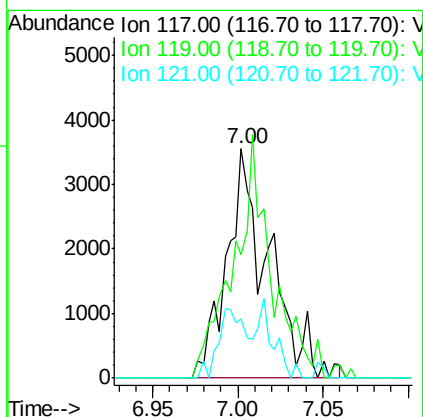
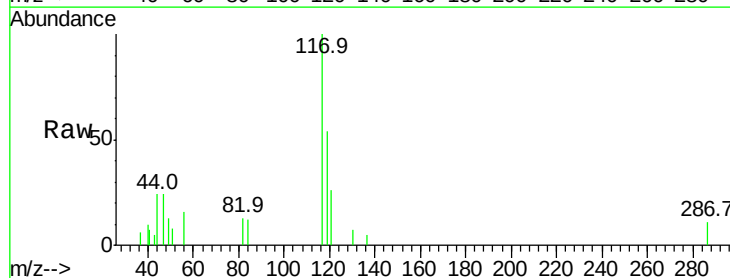
Tgt Ion:117 Resp: 6146

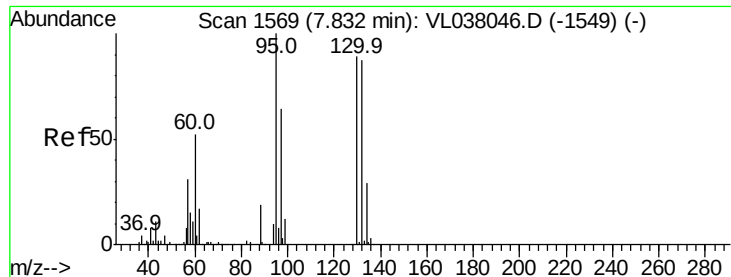
Ion Ratio Lower Upper

117 100

119 53.7 77.7 116.5#

121 26.0 25.6 38.4



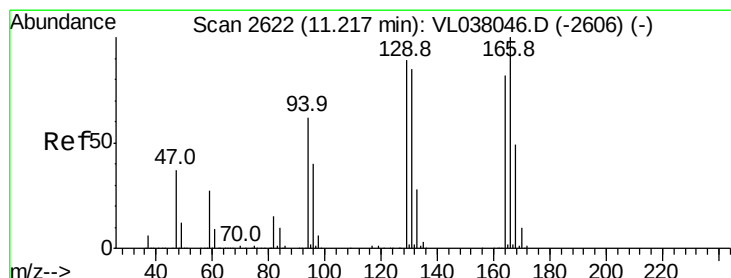
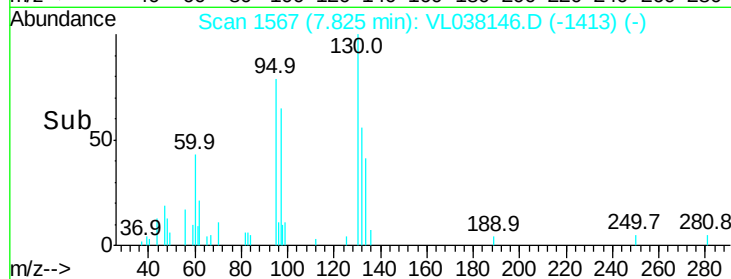
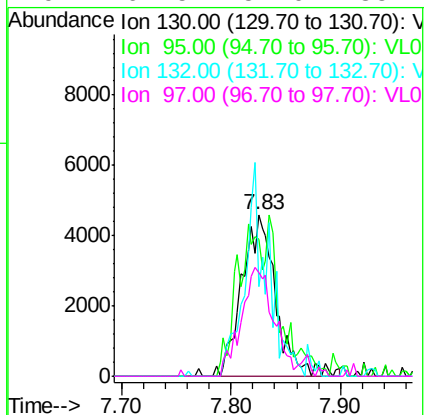
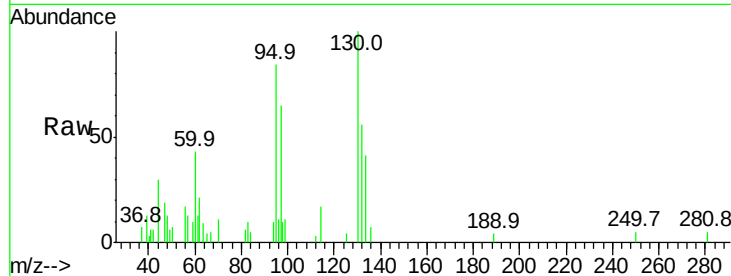


#38
 Trichloroethene
 Concen: 0.107 ppbv m
 RT: 7.83
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Dec 2021 12:12

Tot Ion:1
 Ion Rati
 130 100
 95 84.
 132 55.
 97 64.5 57.0 85.4

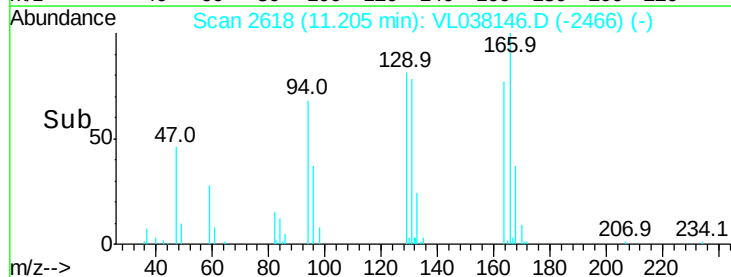
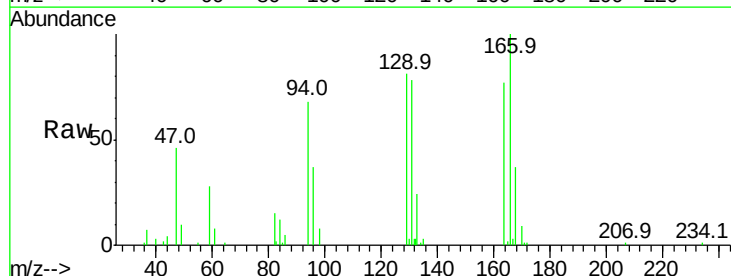
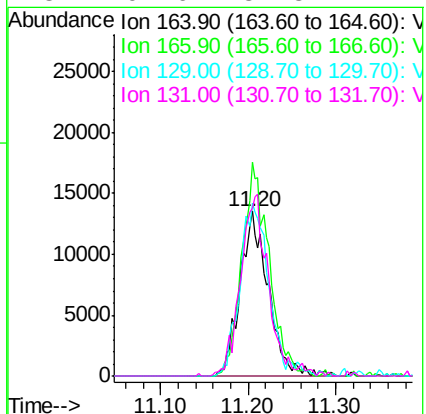
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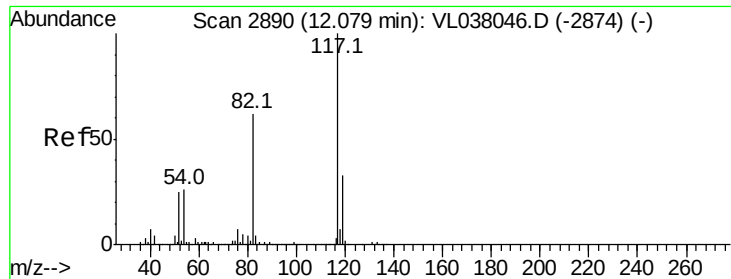
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#52
 Tetrachloroethene
 Concen: 0.334 ppbv m
 RT: 11.20 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: VL038146.D
 Acq: 7 Dec 2021 12:12

Tgt Ion:164 Resp: 30409
 Ion Ratio Lower Upper
 164 100
 166 129.5 97.2 145.8
 129 104.7 86.9 130.3
 131 101.6 82.8 124.2



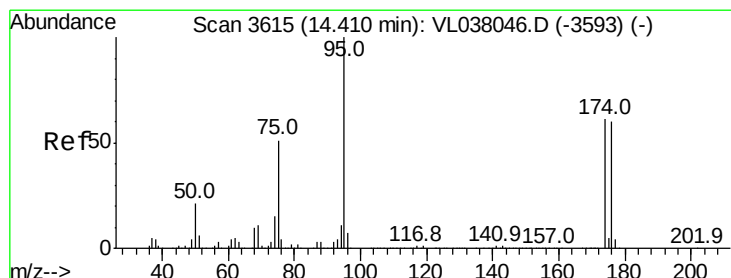
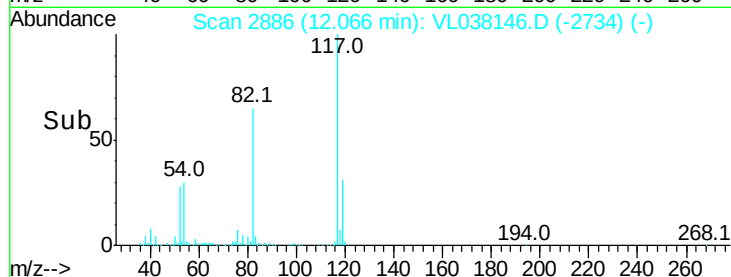
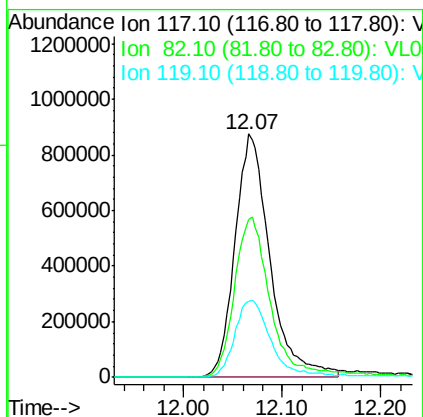
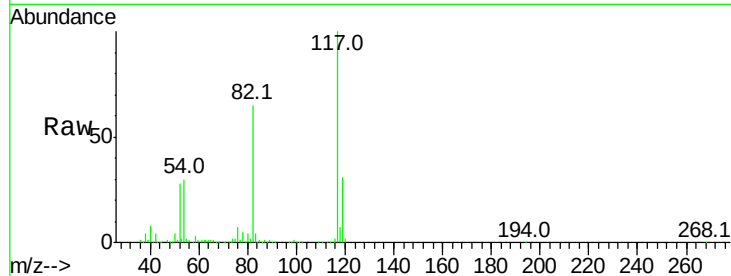


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 12:12

Tot Ion:1
Ion Rati
117 100
82 71.
119 34.

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.766 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.01 min
Lab File: VL038146.D
Acq: 7 Dec 2021 12:12

Tgt Ion: 95 Resp: 1675528
Ion Ratio Lower Upper
95 100
174 61.9 53.1 79.7
175 4.2 4.0 6.0

