

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039625.D
 Acq On : 7 Sep 2022 18:50
 Operator : SY/AP
 Sample : N4507-01DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 06:01:32 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.21	49	1145597	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2907074	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2613676	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1950103	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.70	51	17908	0.131	ppbv	97
10) Heptane	7.60	43	11095m	0.077	ppbv	
11) Trichlorofluoromethane	3.59	101	264015	1.578	ppbv	99
15) Acetone	3.50	43	63662m	0.496	ppbv	
20) Methylene Chloride	3.95	84	45740	0.877	ppbv	94
25) Ethyl Acetate	5.23	43	61986	0.226	ppbv #	77
26) Hexane	5.23	57	90128	0.804	ppbv #	38
53) Toluene	9.23	91	40381	0.163	ppbv	93
60) o-Xylene	13.06	91	17127m	0.066	ppbv	
74) 1,2,4-Trimethylbenzene	16.12	105	43002m	0.140	ppbv	

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

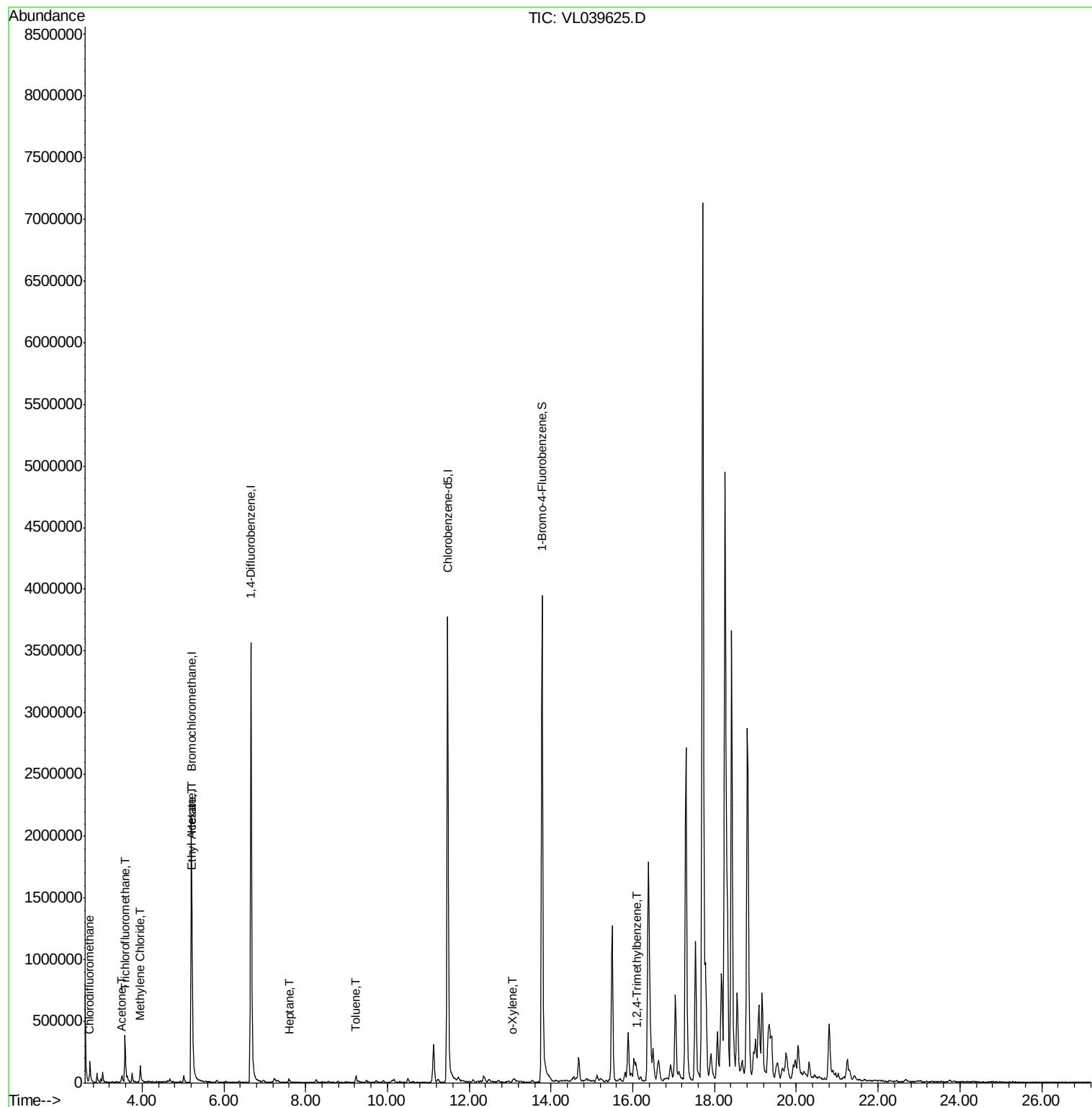
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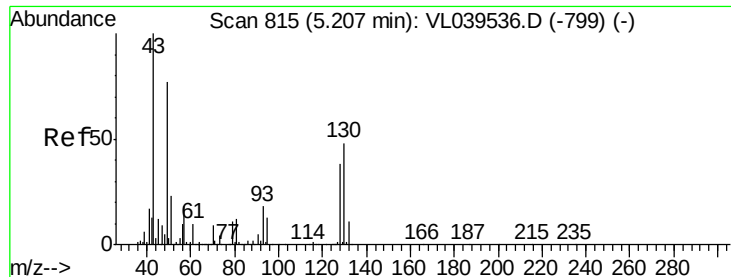
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Quant Time: Sep 08 06:01:32 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081722
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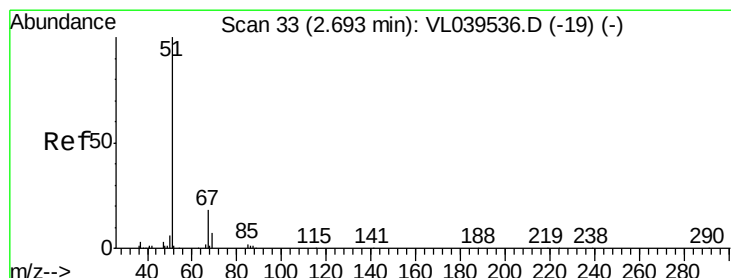
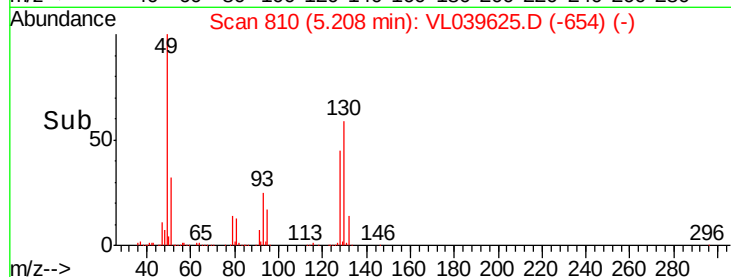
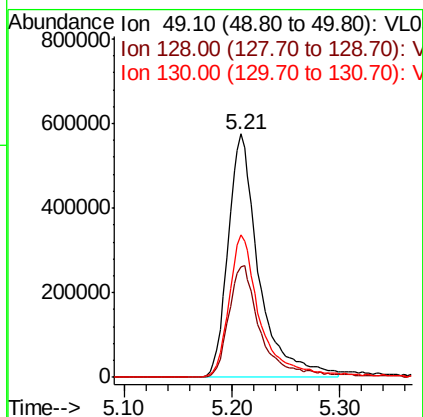
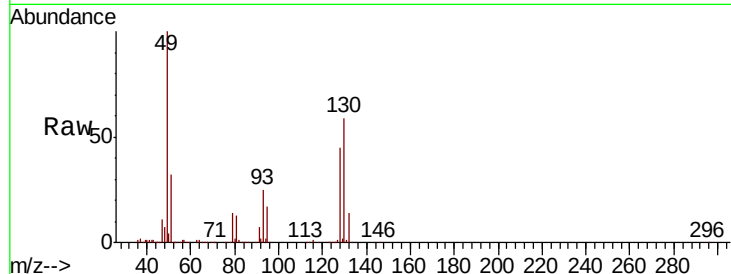


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.21 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Sep 2022 18:50

Tot Ion:
 Ion Ratio
 49 100
 128 49.
 130 60.

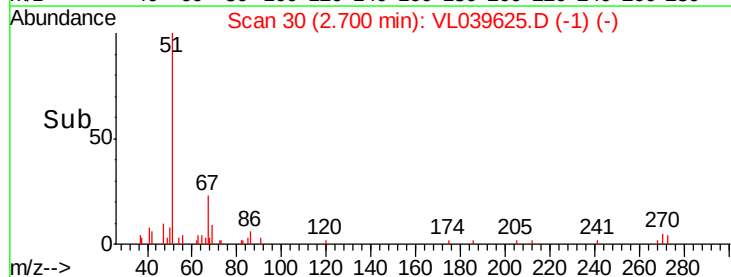
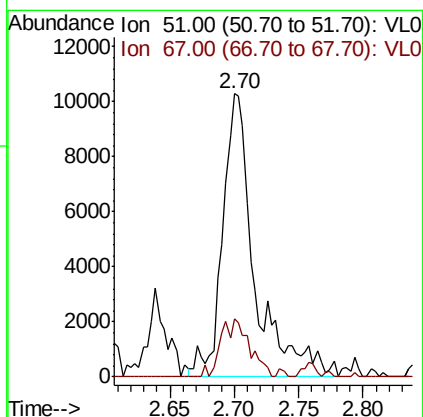
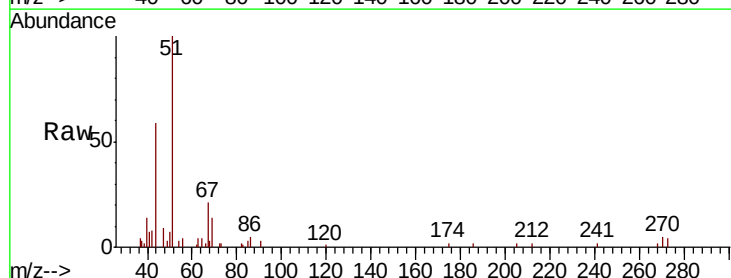
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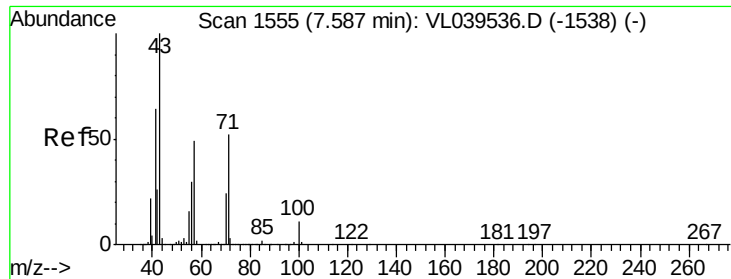
Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022



#3
 Chlorodifluoromethane
 Concen: 0.131 ppbv
 RT: 2.70 min Scan# 30
 Delta R.T.: 0.01 min
 Lab File: VL039625.D
 Acq: 7 Sep 2022 18:50

Tgt Ion: 51 Resp: 17908
 Ion Ratio Lower Upper
 51 100
 67 18.2 15.7 23.5





#10

Heptane

Concen: 0.077 ppbv m

RT: 7.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 18:50 SV-1DL

Tot Ion:

Ion Ratio

43 100

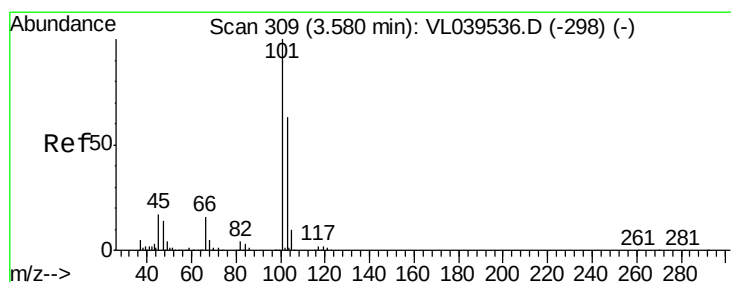
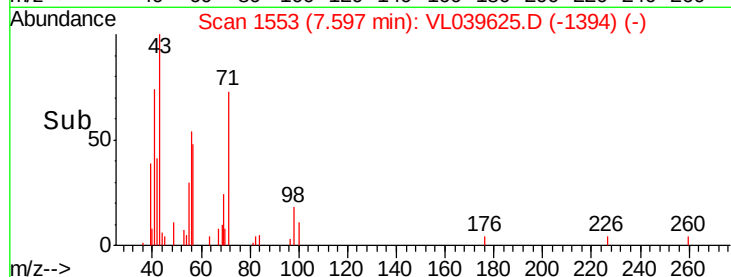
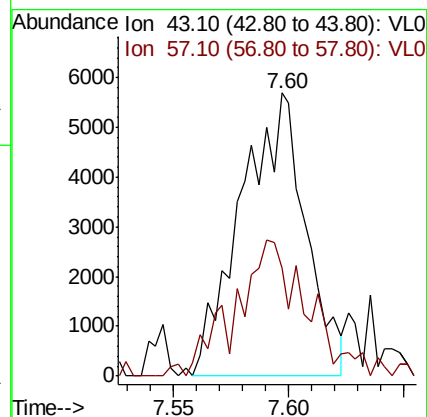
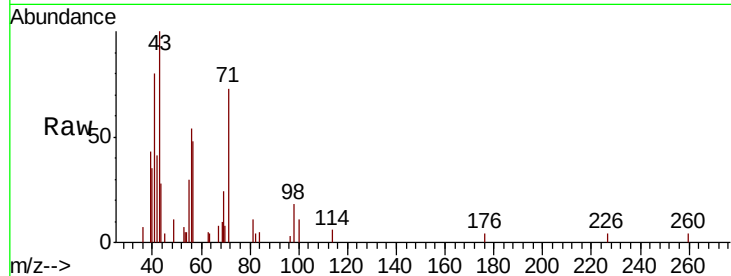
57 0.

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#11

Trichlorofluoromethane

Concen: 1.578 ppbv

RT: 3.59 min Scan# 306

Delta R.T. 0.01 min

Lab File: VL039625.D

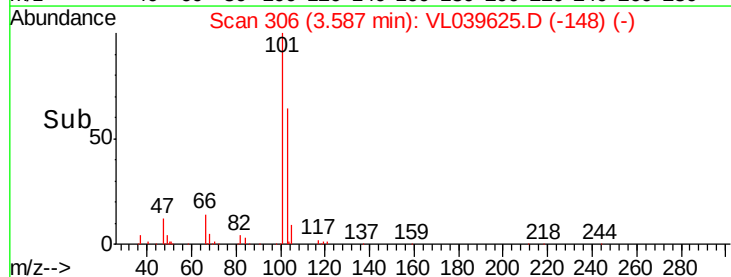
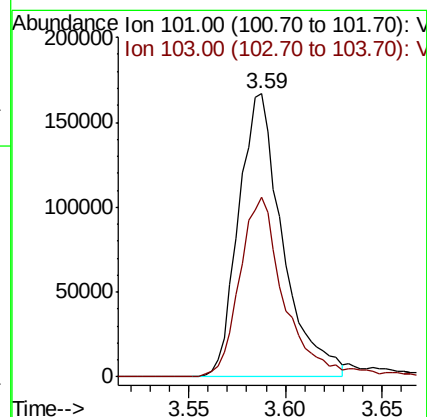
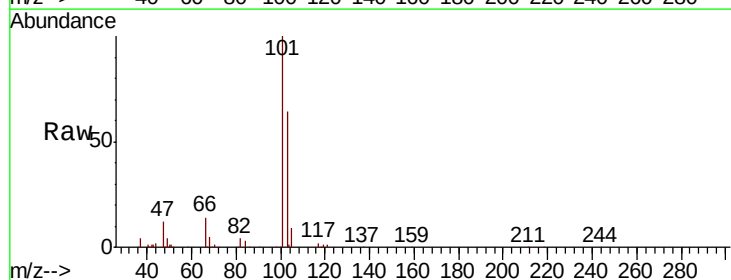
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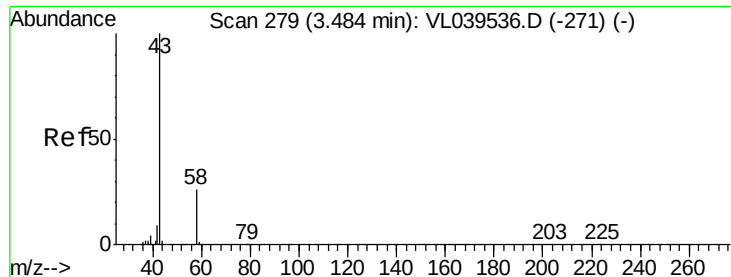
Tgt Ion:101 Resp: 264015

Ion Ratio Lower Upper

101 100

103 63.7 51.8 77.8



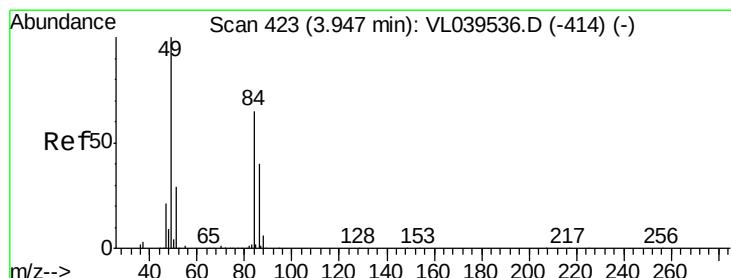
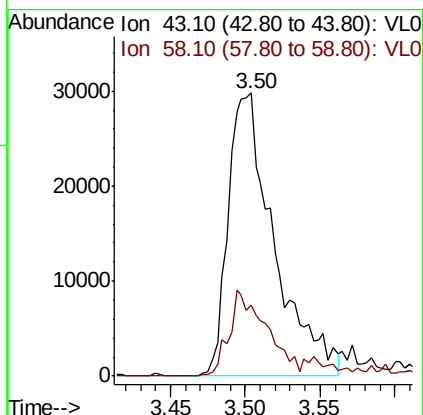
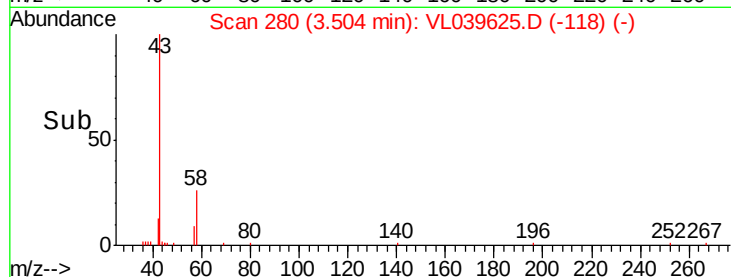
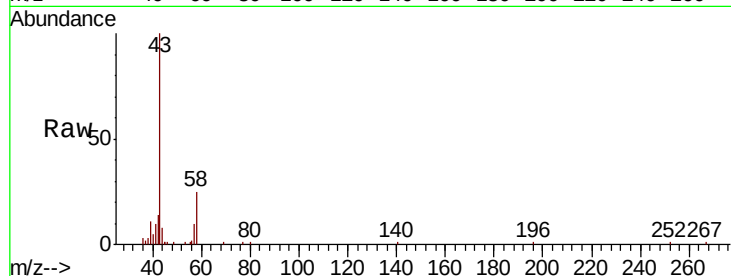


#15
Acetone
Concen: 0.496 ppbv m
RT: 3.50
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 18:50

Tot Ion:
Ion Ratio
43 100
58 28.

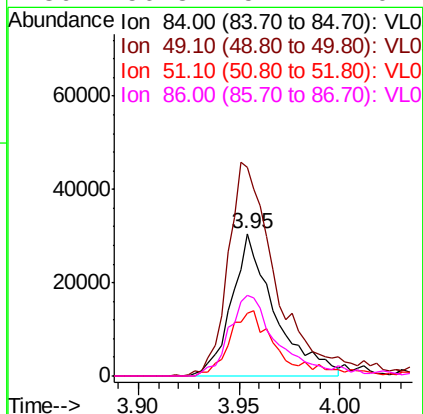
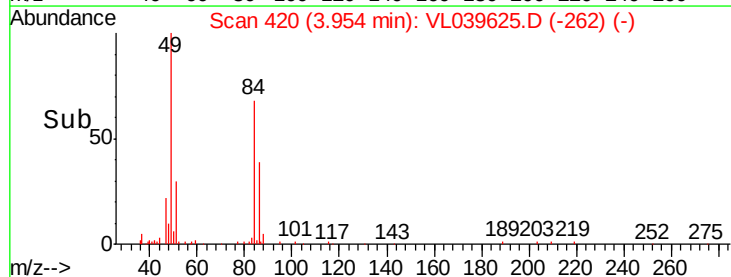
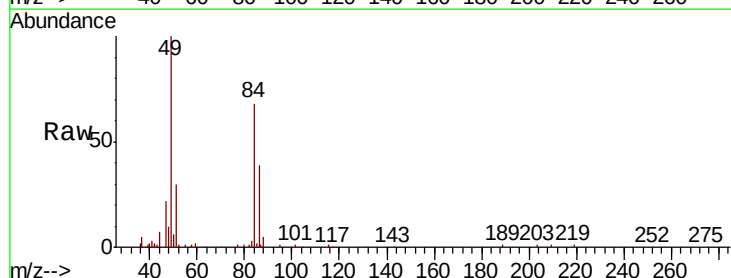
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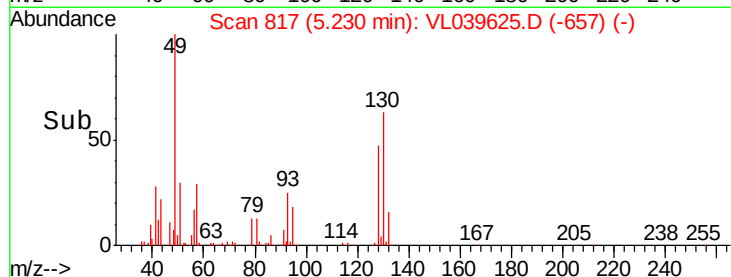
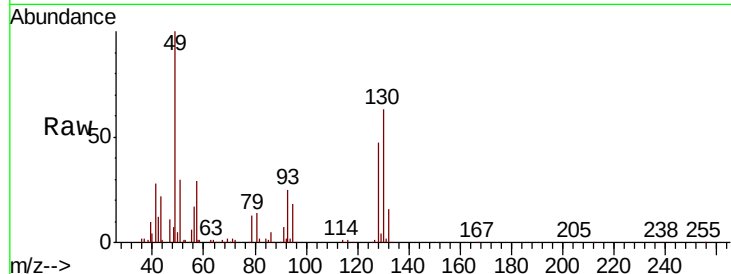
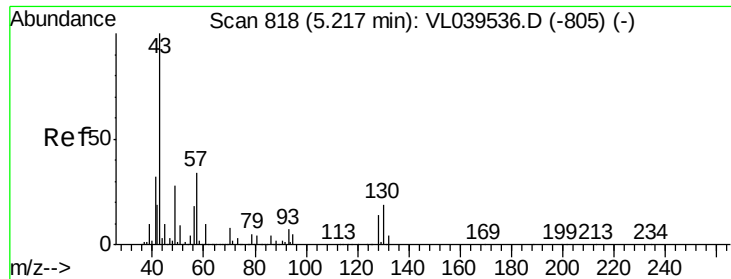
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#20
Methylene Chloride
Concen: 0.877 ppbv
RT: 3.95 min Scan# 420
Delta R.T. 0.01 min
Lab File: VL039625.D
Acq: 7 Sep 2022 18:50

Tgt Ion: 84 Resp: 45740
Ion Ratio Lower Upper
84 100
49 145.8 123.1 184.7
51 44.2 34.4 51.6
86 56.8 51.1 76.7



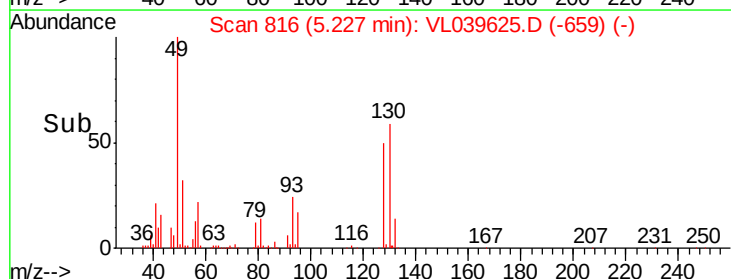
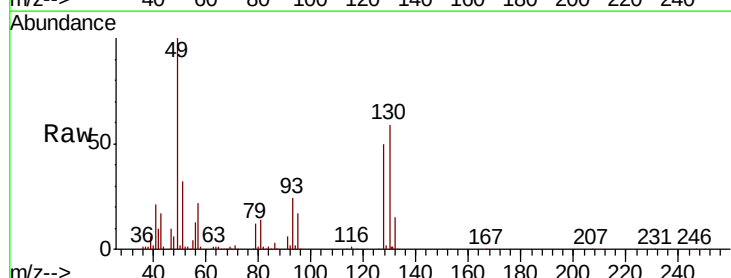
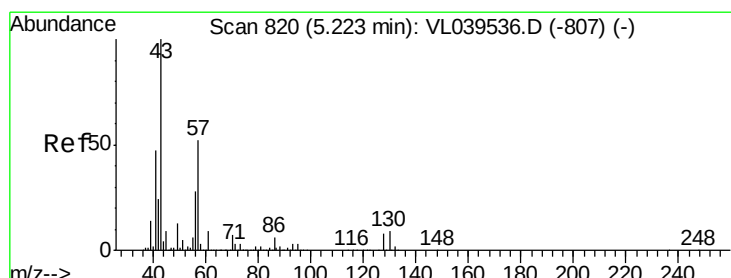
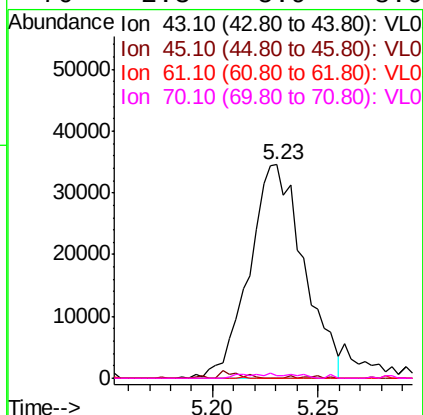


#25
Ethyl Acetate
Concen: 0.226 ppbv
RT: 5.23
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
SV-1DL
Acq: 7 Sep 2022 18:50

Tot Ion:
Ion Ratio
43 100
45 1.
61 0.
70 2.3 5.9 8.9#

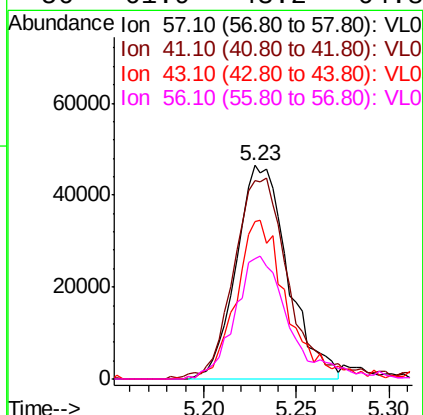
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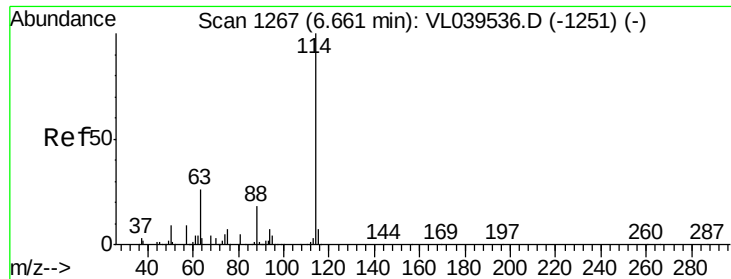
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#26
Hexane
Concen: 0.804 ppbv
RT: 5.23 min Scan# 816
Delta R.T.: 0.00 min
Lab File: VL039625.D
Acq: 7 Sep 2022 18:50

Tgt Ion: 57 Resp: 90128
Ion Ratio Lower Upper
57 100
41 101.0 76.9 115.3
43 75.6 191.0 286.6#
56 61.9 43.2 64.8



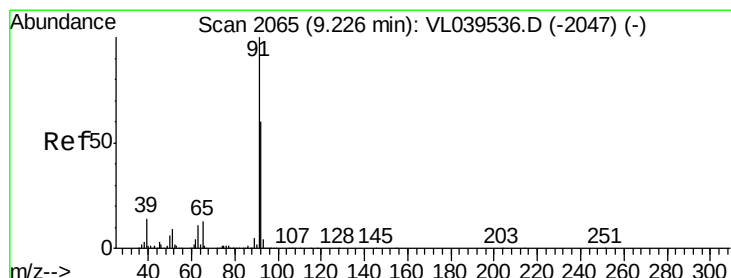
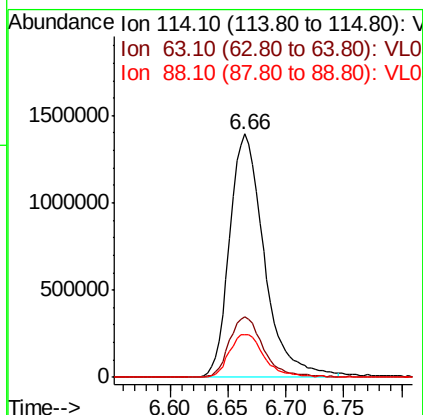
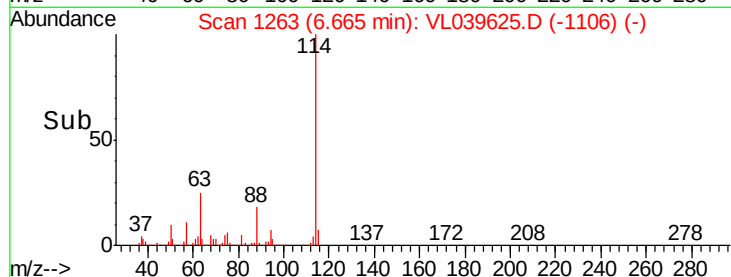
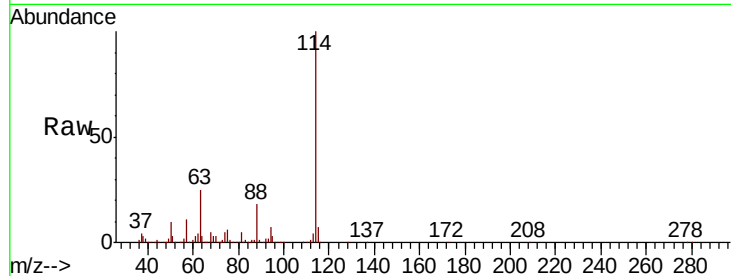


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Sep 2022 18:50

Tot Ion: 1
 Ion Ratio
 114 100
 63 24.
 88 18.

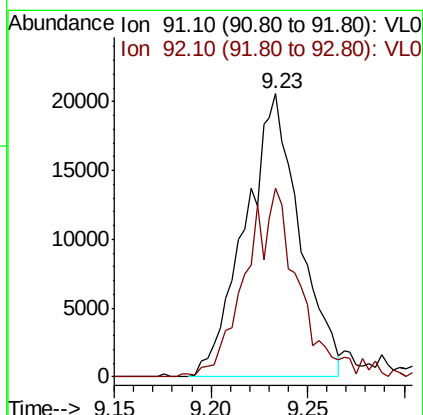
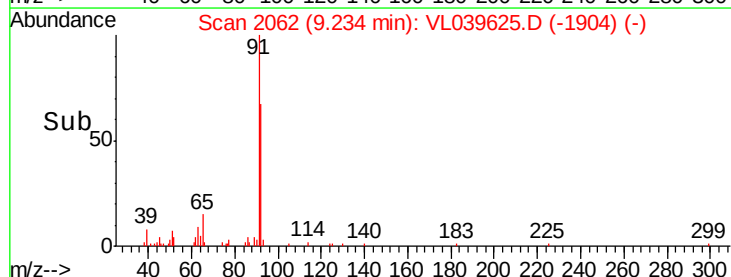
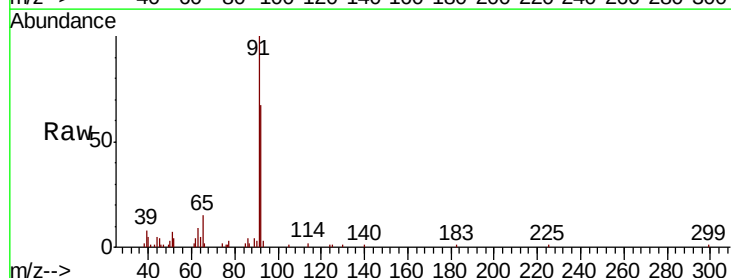
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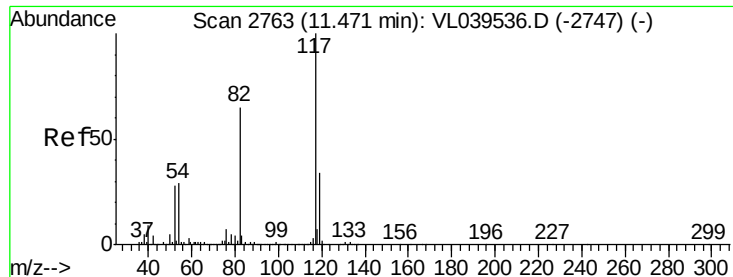
Reviewed By : Semsettin Yesilyurt 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022



#53
 Toluene
 Concen: 0.163 ppbv
 RT: 9.23 min Scan# 2062
 Delta R.T.: 0.01 min
 Lab File: VL039625.D
 Acq: 7 Sep 2022 18:50

Tgt Ion: 91 Resp: 40381
 Ion Ratio Lower Upper
 91 100
 92 65.3 48.2 72.2



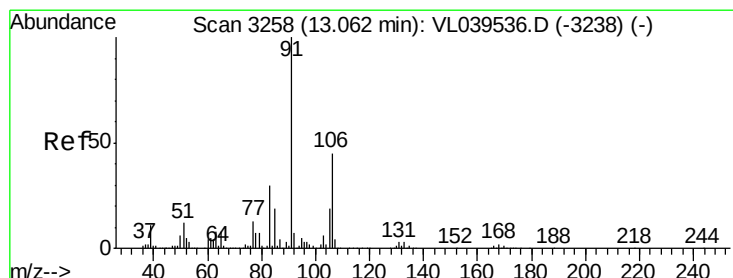
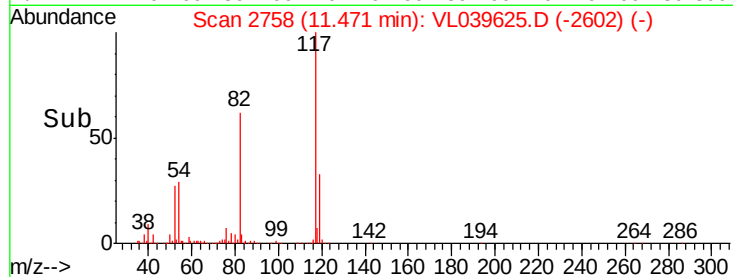
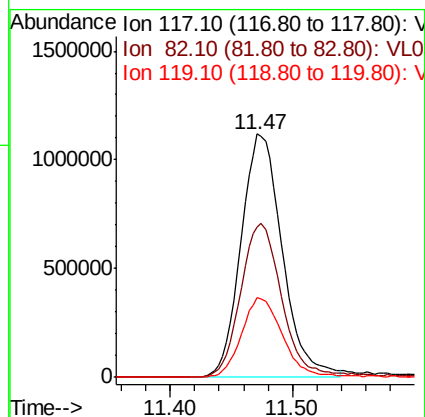
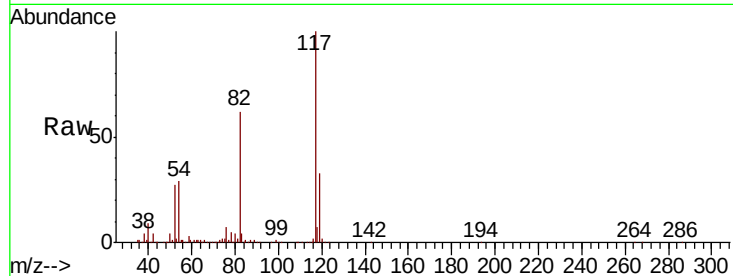


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.47 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
SV-1DL
Acq: 7 Sep 2022 18:50

Tot Ion: 1
Ion Ratio
117 100
82 64.
119 32.

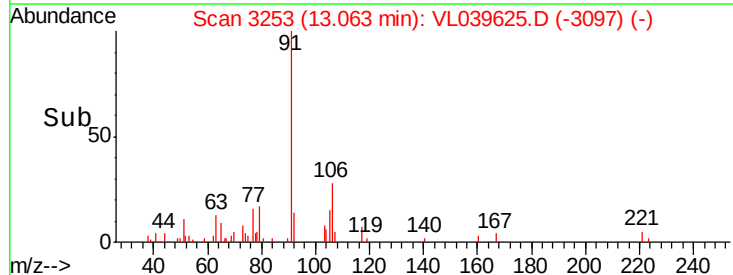
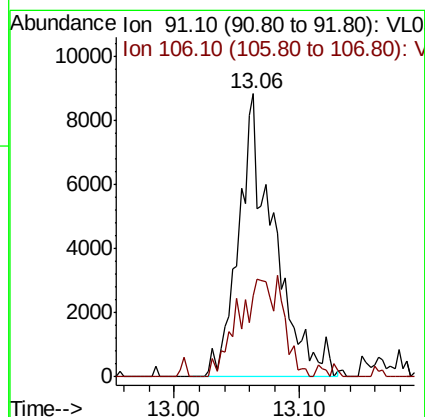
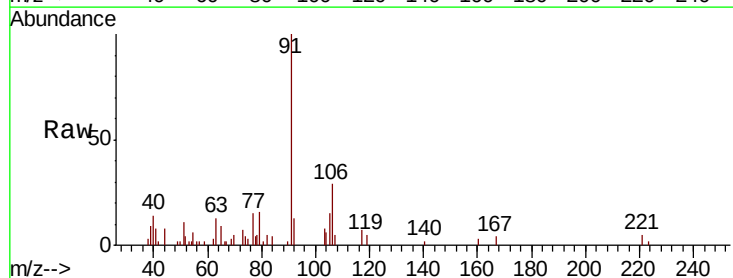
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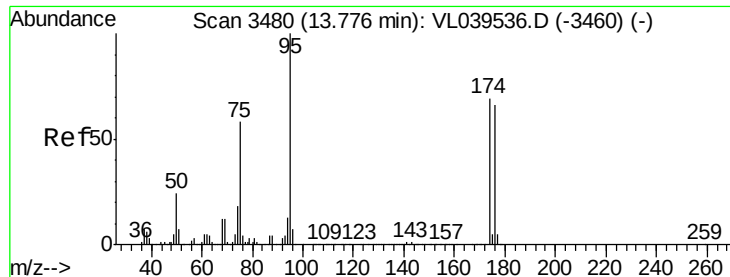
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#60
o-Xylene
Concen: 0.066 ppbv m
RT: 13.06 min Scan# 3253
Delta R.T.: 0.00 min
Lab File: VL039625.D
Acq: 7 Sep 2022 18:50

Tgt Ion: 91 Resp: 17127
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.3#



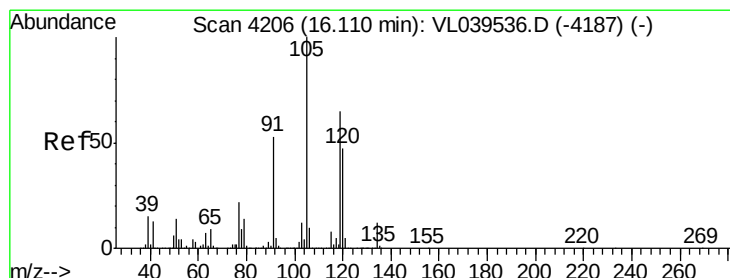
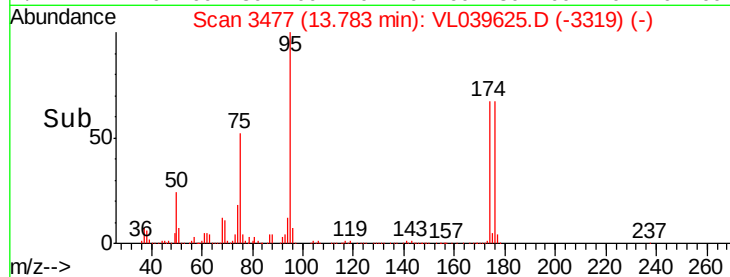
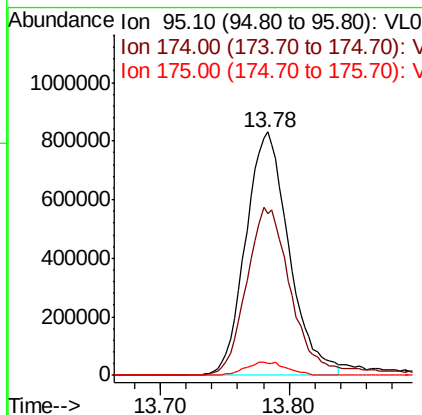
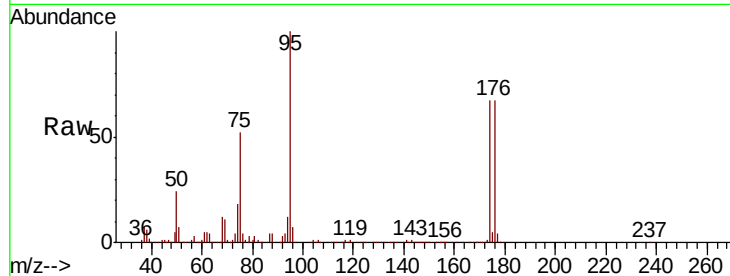


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.890 ppbv
 RT: 13.78 min
 Delta R.T.: 0.01 min
 Lab File: VL039625.D
 Acq: 7 Sep 2022 18:50

Tot Ion:
 Ion Ratio
 95 100
 174 74.1
 175 5.1

Manual Integrations
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 Supervised By :Mahesh Dadoda 09/08/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.140 ppbv m
 RT: 16.12 min Scan# 4204
 Delta R.T.: 0.01 min
 Lab File: VL039625.D
 Acq: 7 Sep 2022 18:50

Tgt Ion:105 Resp: 43002
 Ion Ratio Lower Upper
 105 100
 120 29.0 39.5 59.3#
 91 12.6 39.2 58.8#
 77 7.9 17.2 25.8#

