

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039624.D
 Acq On : 7 Sep 2022 18:11
 Operator : SY/AP
 Sample : N4507-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV-1

Manual Integrations
 APPROVED

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

Quant Time: Sep 08 06:05:32 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	1094321	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2798152	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2633600	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1991786	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.75	85	17212	0.118	ppbv	94
3) Chlorodifluoromethane	2.70	51	106674	0.818	ppbv	97
9) Propene	2.73	41	226343	3.794	ppbv #	71
10) Heptane	7.59	43	77293	0.559	ppbv	97
11) Trichlorofluoromethane	3.58	101	1588428	9.939	ppbv	99
13) Ethanol	3.27	45	19495m	4.547	ppbv	
15) Acetone	3.49	43	316090	2.579	ppbv	97
20) Methylene Chloride	3.95	84	174994	3.514	ppbv	94
26) Hexane	5.23	57	513820	4.800	ppbv #	38
27) Carbon Disulfide	4.14	76	19963	0.175	ppbv #	75
32) 1,1,1-Trichloroethane	6.01	97	15379m	0.104	ppbv	
36) Benzene	6.38	78	36426m	0.171	ppbv	
53) Toluene	9.23	91	320064	1.341	ppbv	100
58) Ethyl Benzene	12.10	91	118933m	0.393	ppbv	
59) m/p-Xylene	12.35	91	441245m	1.625	ppbv	
60) o-Xylene	13.07	91	138805	0.533	ppbv	100
74) 1,2,4-Trimethylbenzene	16.11	105	316789	1.021	ppbv #	71

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

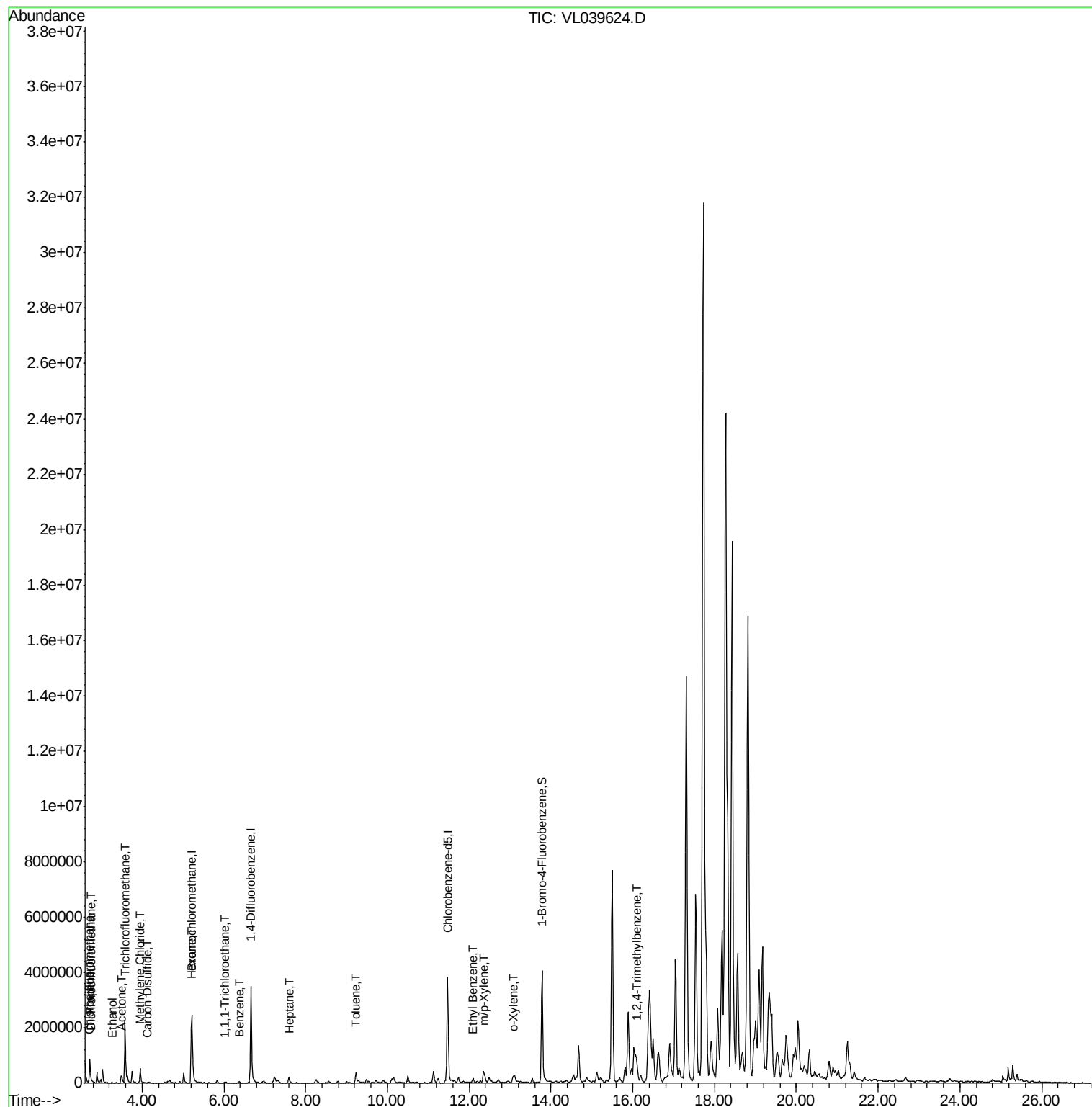
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
Data File : VL039624.D
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

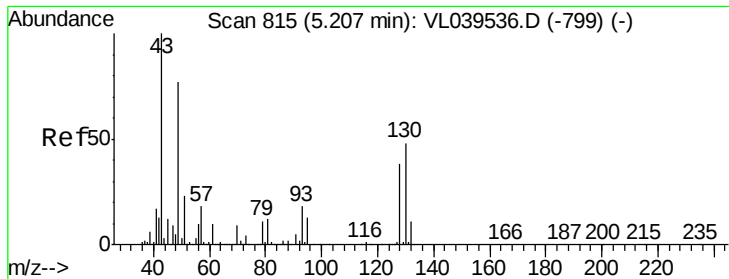
Instrument :
MSVOA_L
ClientSampleId :
SV-1

Quant Time: Sep 08 06:05:32 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 09/08/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 18:11 SV-1

Tot Ion:

Ion Ratio

49 100

128 48.

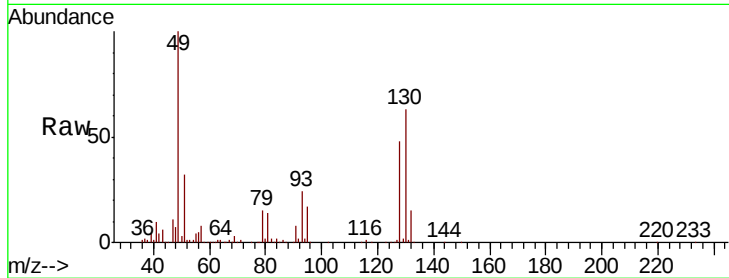
130 63.

Manual Integrations

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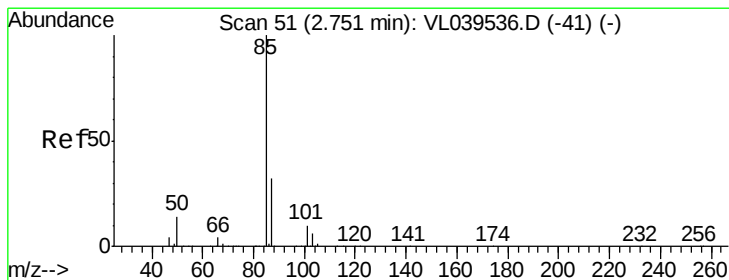
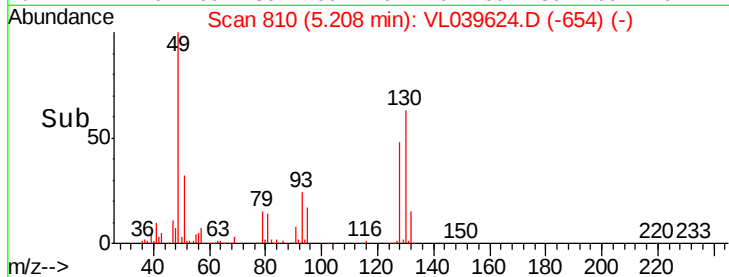
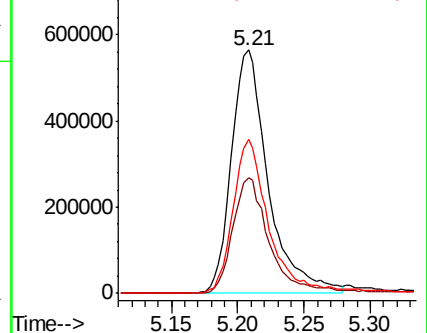
Supervised By :Mahesh Dadoda 09/08/2022



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



#2

Dichlorodifluoromethane

Concen: 0.118 ppbv

RT: 2.75 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL039624.D

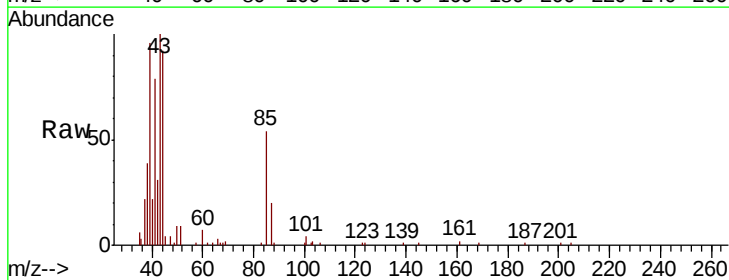
Acq: 7 Sep 2022 18:11

Tgt Ion: 85 Resp: 17212

Ion Ratio Lower Upper

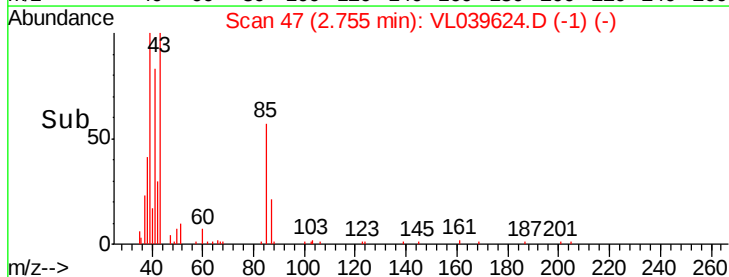
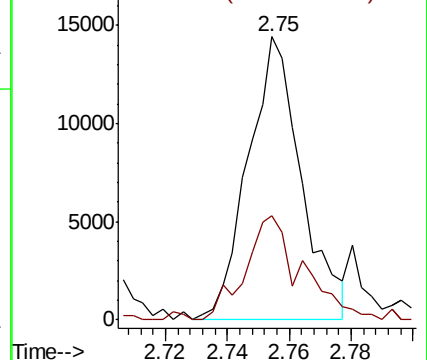
85 100

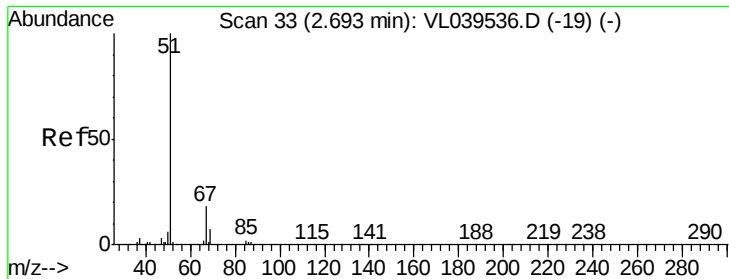
87 36.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.818 ppbv

RT: 2.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Sep 2022 18:11

Tot Ion:

Ion Ratio

51 100

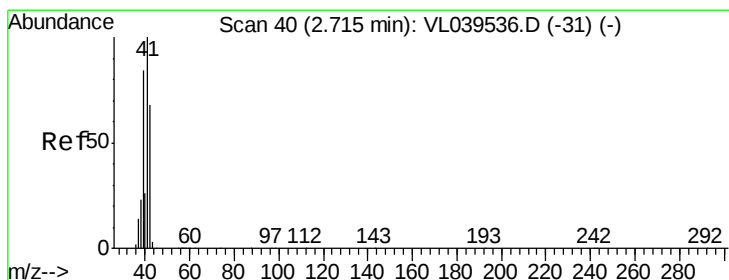
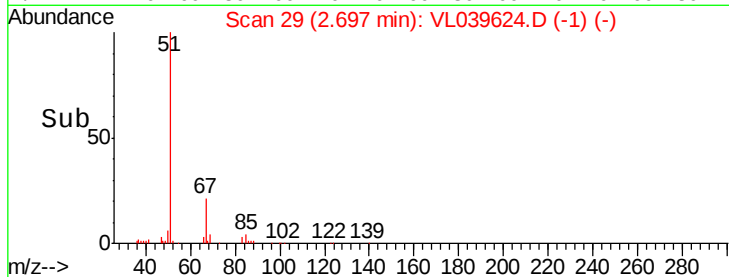
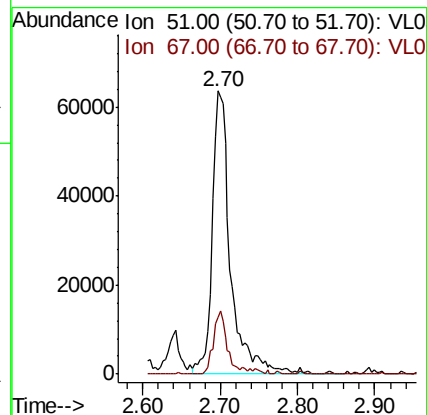
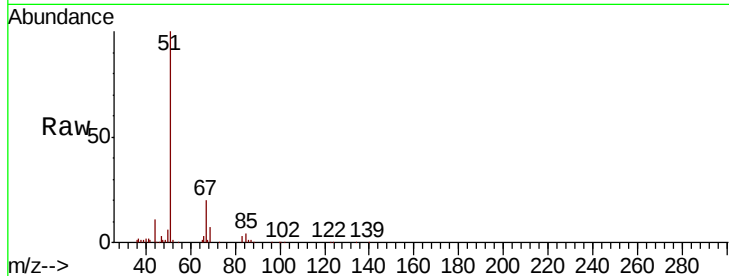
67 18.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/08/2022

Supervised By :Mahesh Dadoda 09/08/2022



#9

Propene

Concen: 3.794 ppbv

RT: 2.73 min Scan# 39

Delta R.T. 0.01 min

Lab File: VL039624.D

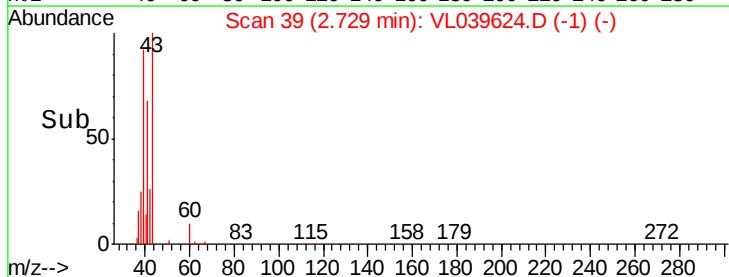
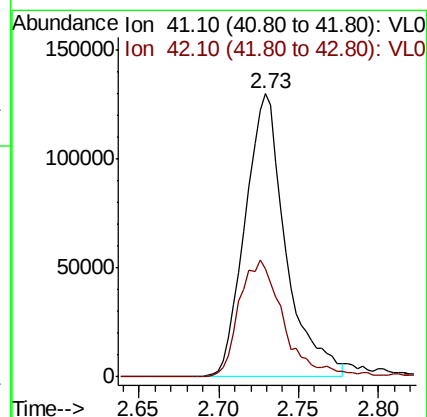
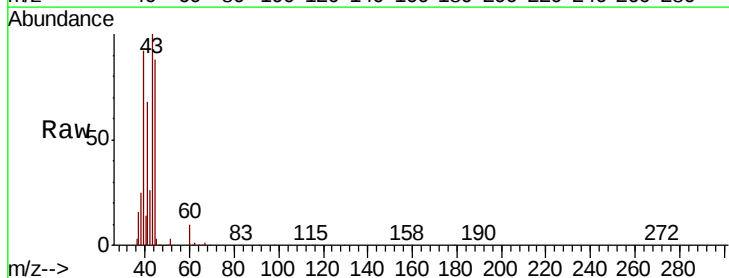
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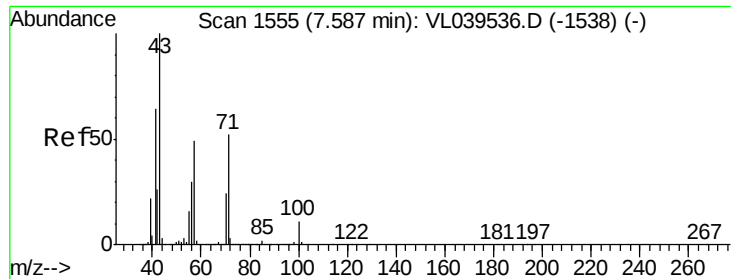
Tgt Ion: 41 Resp: 226343

Ion Ratio Lower Upper

41 100

42 45.7 55.2 82.8#



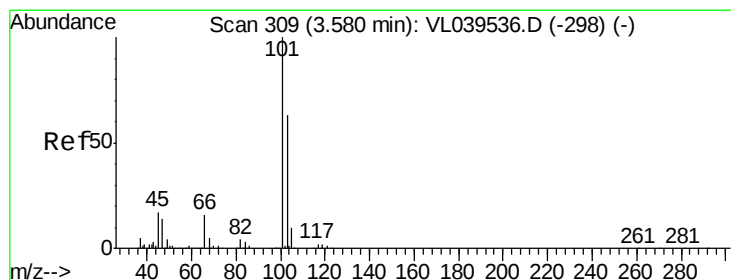
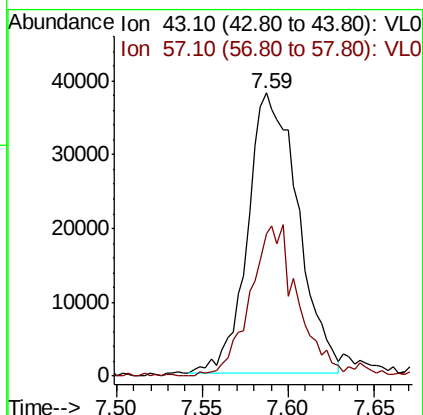
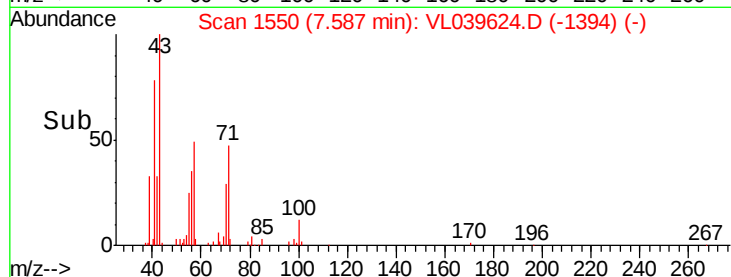
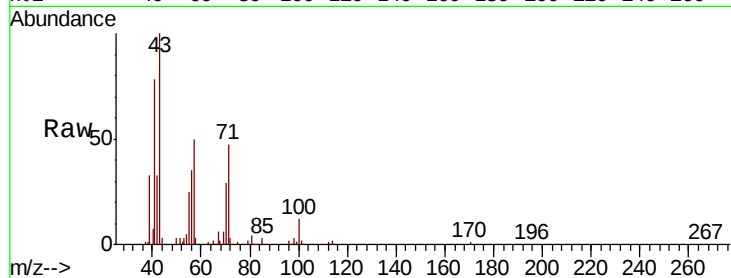


#10
 Heptane
 Concen: 0.559 ppbv
 RT: 7.59
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Sep 2022 18:11

Tot Ion:
 Ion Ratio
 43 100
 57 52.

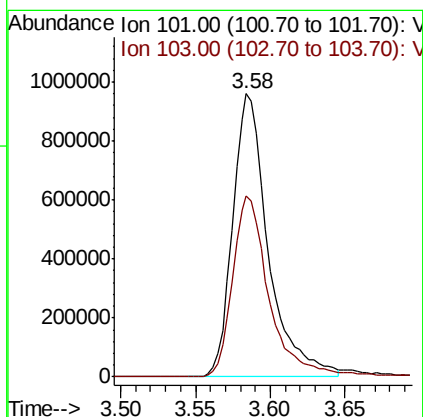
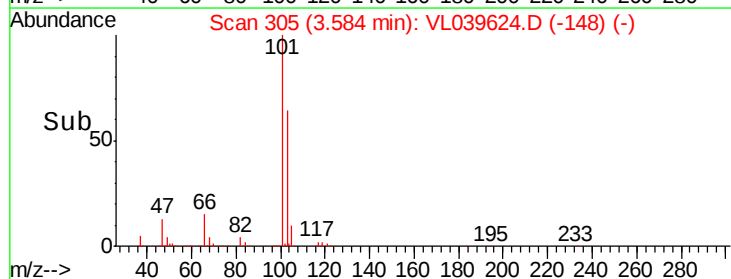
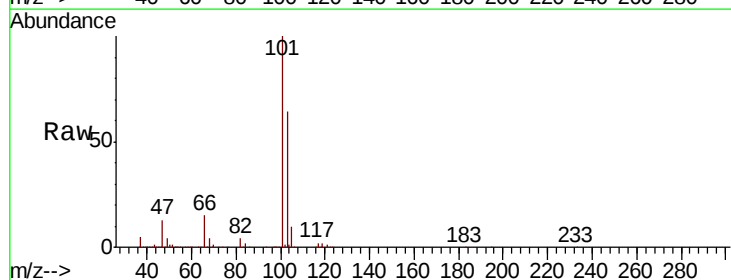
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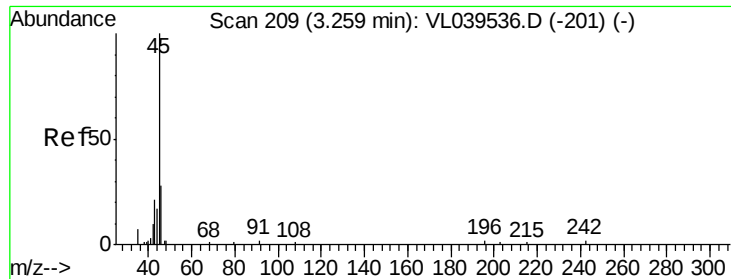
Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022



#11
 Trichlorofluoromethane
 Concen: 9.939 ppbv
 RT: 3.58 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VL039624.D
 Acq: 7 Sep 2022 18:11

Tgt Ion:101 Resp: 1588428
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.8 77.8



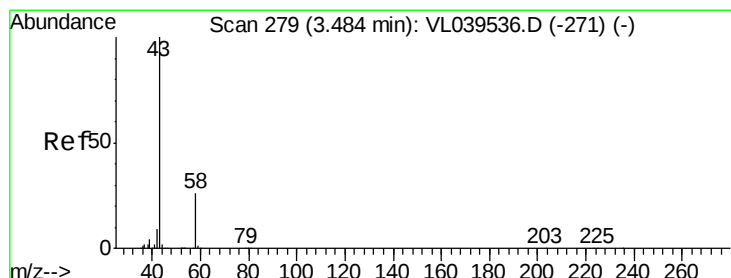
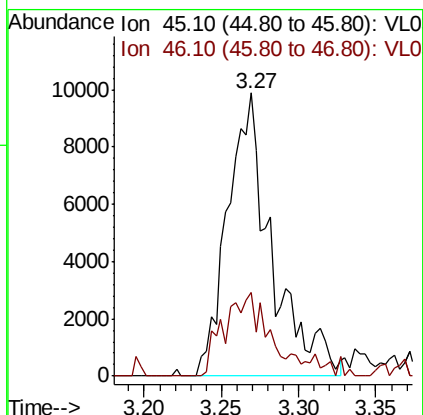
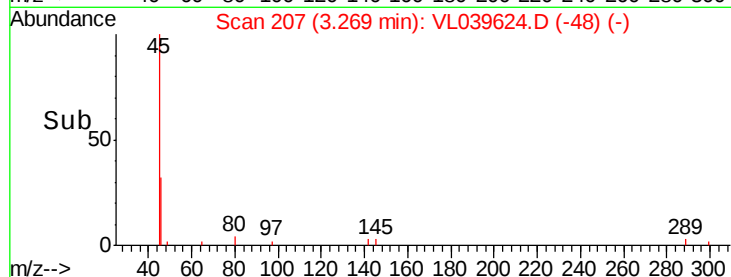
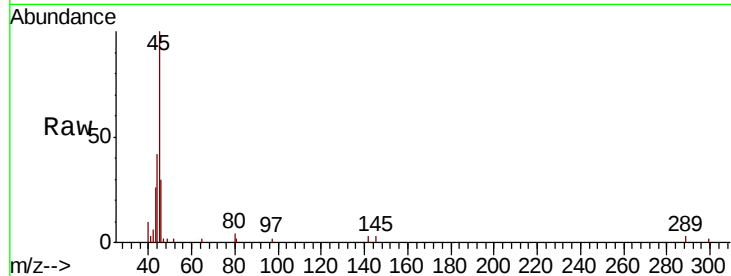


#13
Ethanol
Concen: 4.547 ppbv m
RT: 3.27
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Sep 2022 18:11

Tot Ion:
Ion Ratio
45 100
46 34.

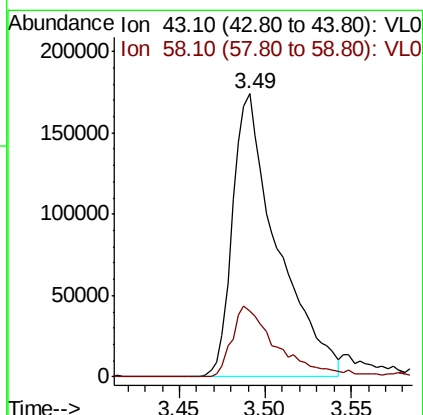
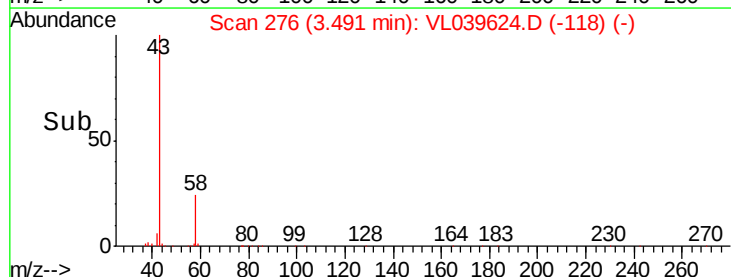
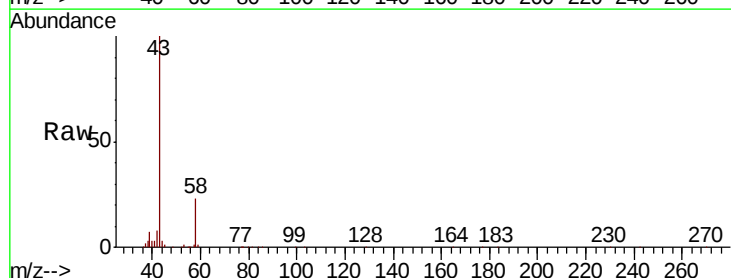
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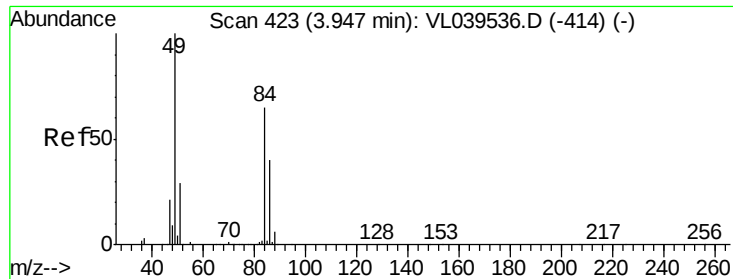
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#15
Acetone
Concen: 2.579 ppbv
RT: 3.49 min Scan# 276
Delta R.T. 0.01 min
Lab File: VL039624.D
Acq: 7 Sep 2022 18:11

Tgt Ion: 43 Resp: 316090
Ion Ratio Lower Upper
43 100
58 27.6 21.0 31.6



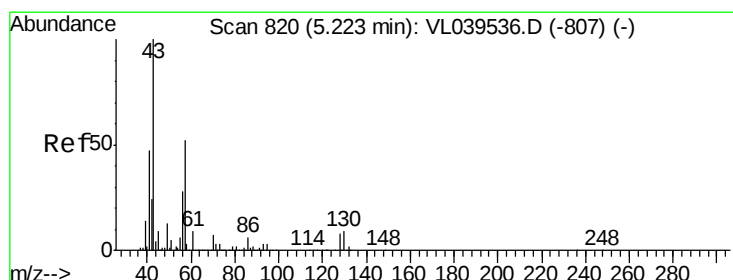
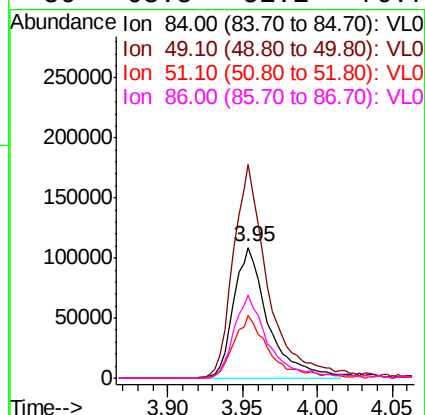
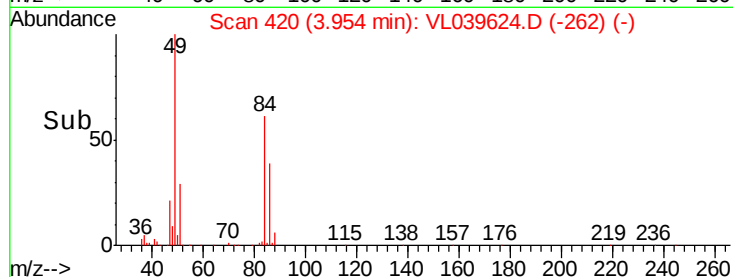
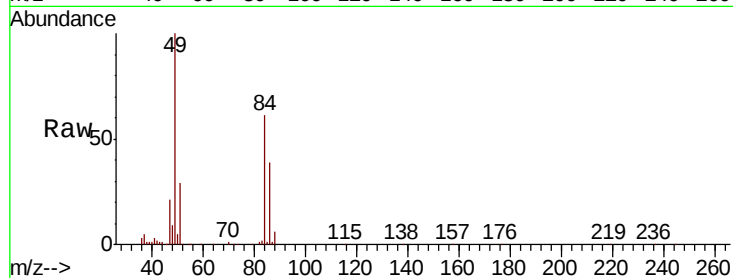


#20
Methvlene Chloride
Concen: 3.514 ppbv
RT: 3.95
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Sep 2022 18:11

Tot Ion:
Ion Ratio
84 100
49 163.
51 47.
86 63.5 51.1 76.7

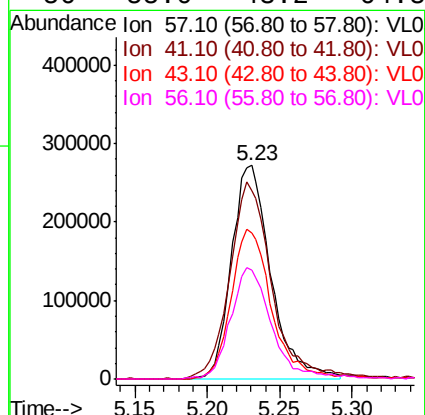
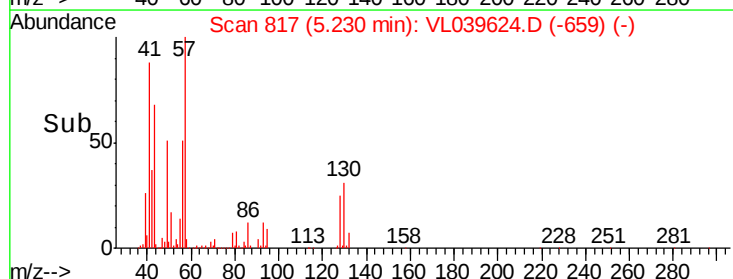
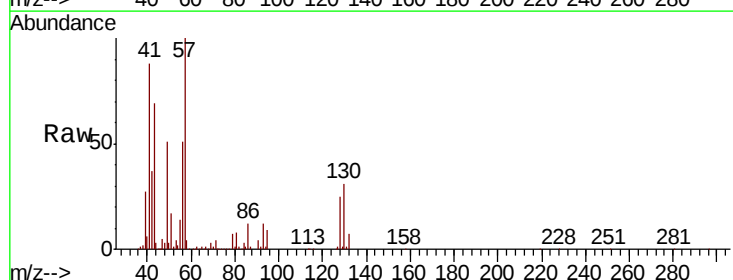
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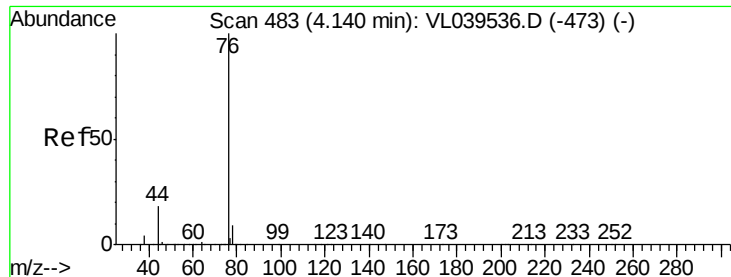
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#26
Hexane
Concen: 4.800 ppbv
RT: 5.23 min Scan# 817
Delta R.T. 0.01 min
Lab File: VL039624.D
Acq: 7 Sep 2022 18:11

Tgt Ion: 57 Resp: 513820
Ion Ratio Lower Upper
57 100
41 100.1 76.9 115.3
43 72.4 191.0 286.6#
56 55.0 43.2 64.8



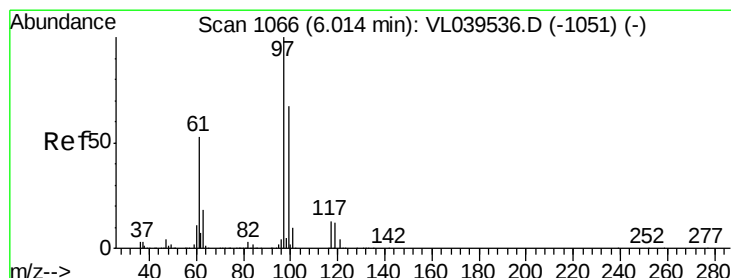
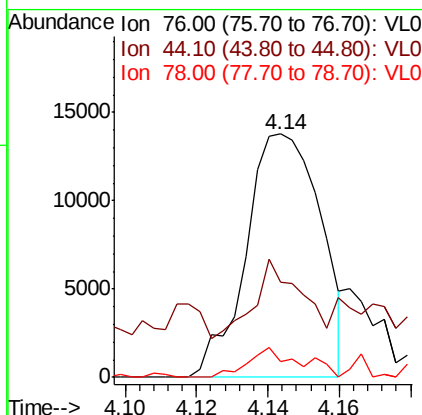
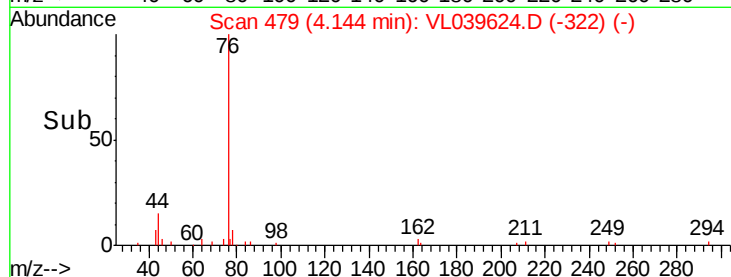
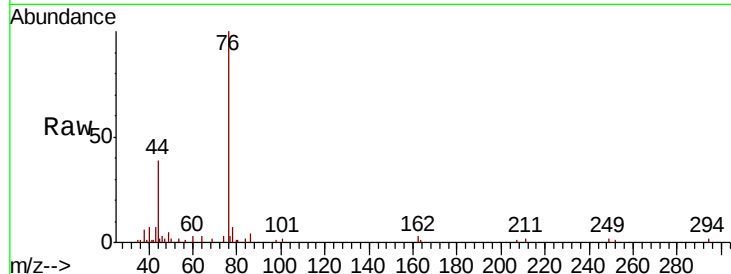


#27
Carbon Disulfide
Concen: 0.175 ppbv
RT: 4.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 18:11

Tot Ion:
Ion Ratio
76 100
44 34.
78 8.

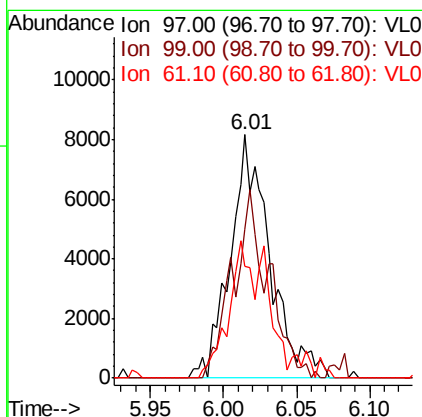
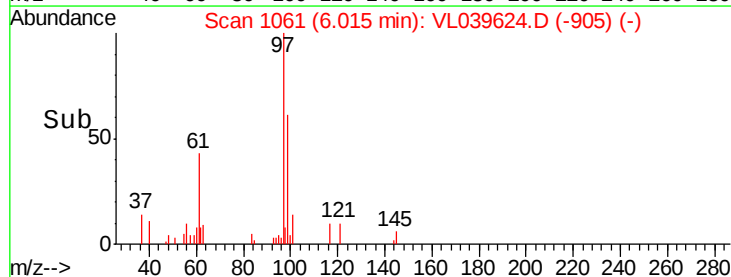
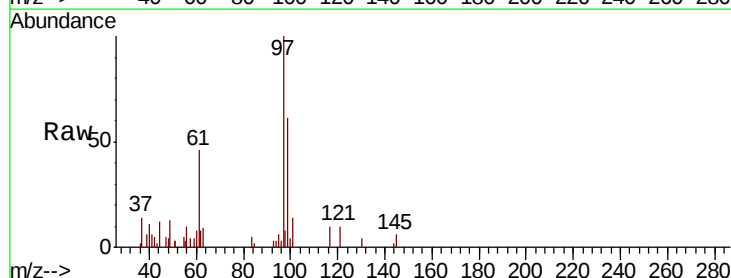
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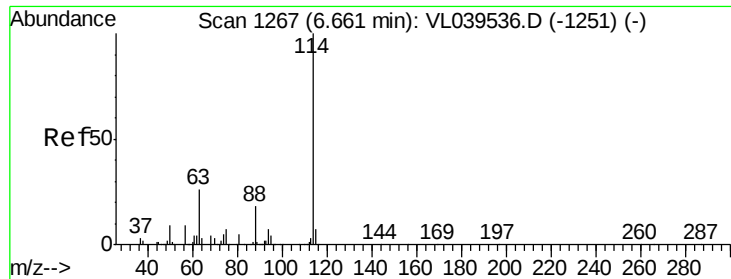
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#32
1,1,1-Trichloroethane
Concen: 0.104 ppbv m
RT: 6.01 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VL039624.D
Acq: 7 Sep 2022 18:11

Tgt Ion: 97 Resp: 15379
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 58.0 40.9 61.3



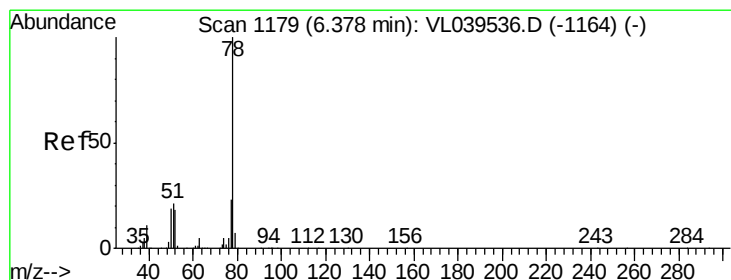
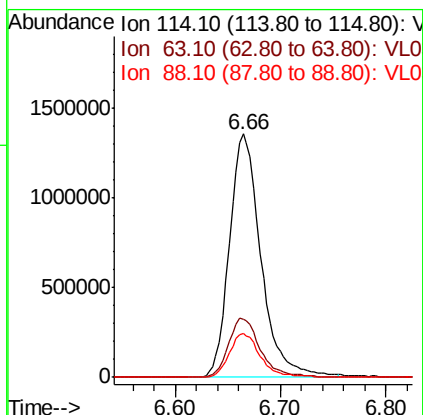
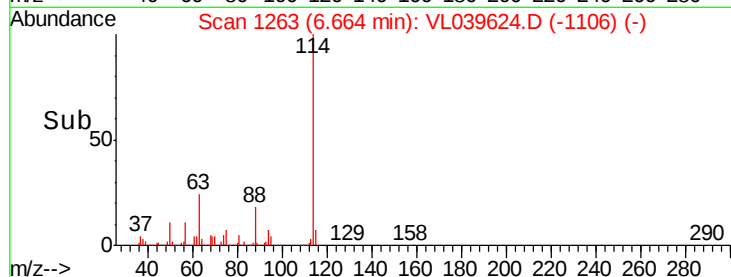
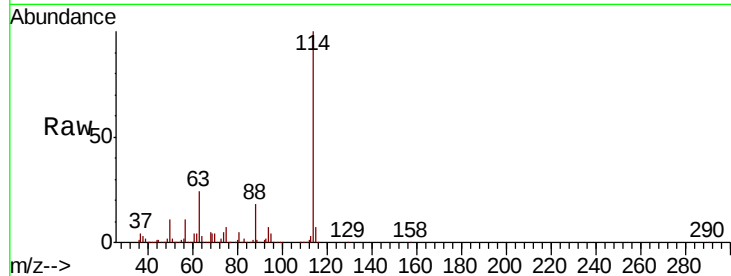


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66
 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV-1
 Acq: 7 Sep 2022 18:11

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

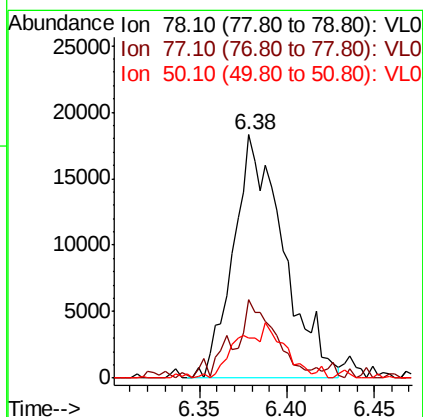
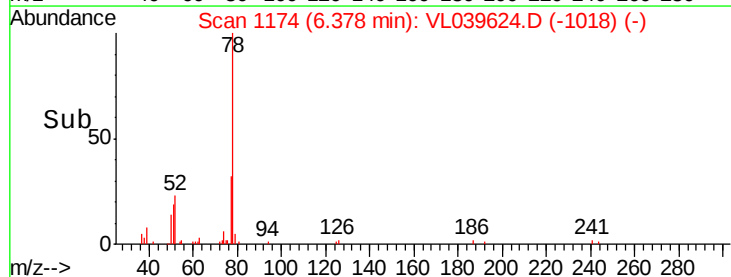
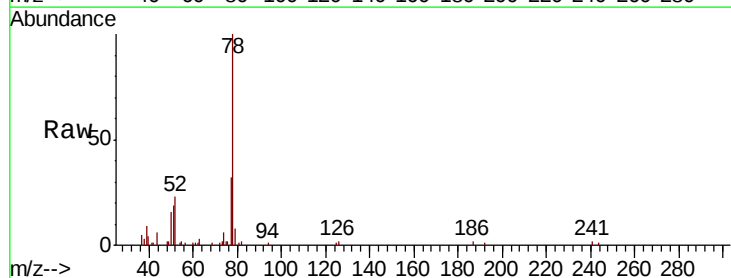
Manual Integrations
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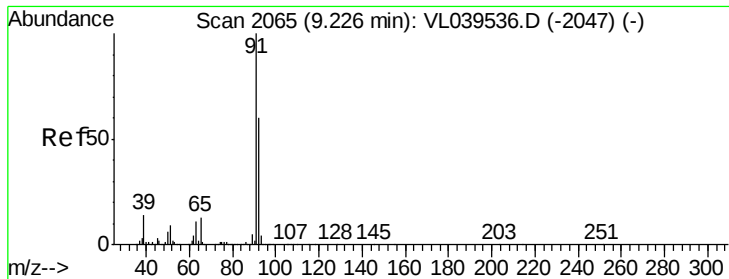
Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022



#36
 Benzene
 Concen: 0.171 ppbv m
 RT: 6.38 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VL039624.D
 Acq: 7 Sep 2022 18:11

Tgt Ion: 78 Resp: 36426
 Ion Ratio Lower Upper
 78 100
 77 32.1 20.3 30.5#
 50 16.4 15.5 23.3





#53

Toluene

Concen: 1.341 ppbv

RT: 9.23 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 18:11 SV-1

Tot Ion:

Ion Ratio

91 100

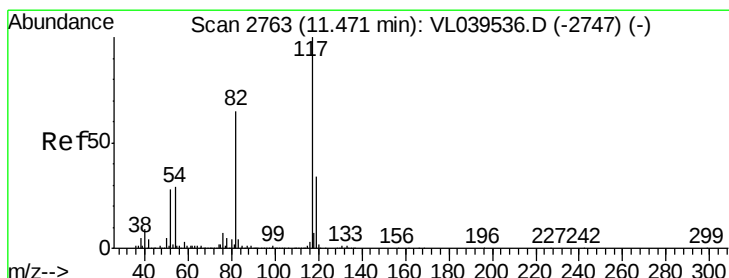
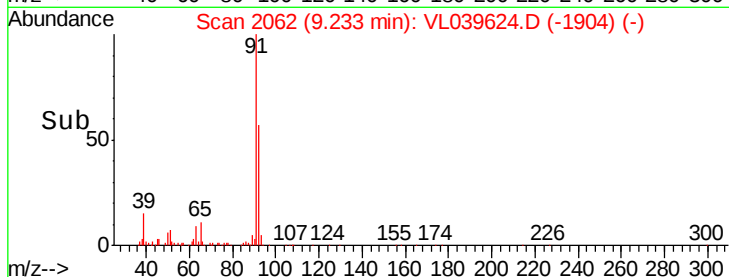
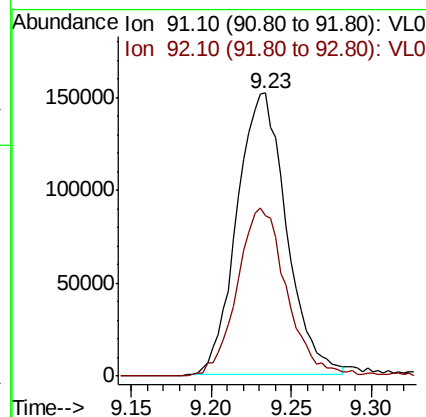
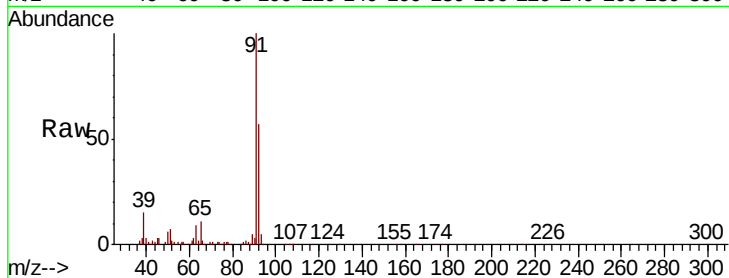
92 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/08/2022

Supervised By :Mahesh Dadoda 09/08/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.47 min Scan# 2759

Delta R.T. 0.00 min

Lab File: VL039624.D

Acq: 7 Sep 2022 18:11

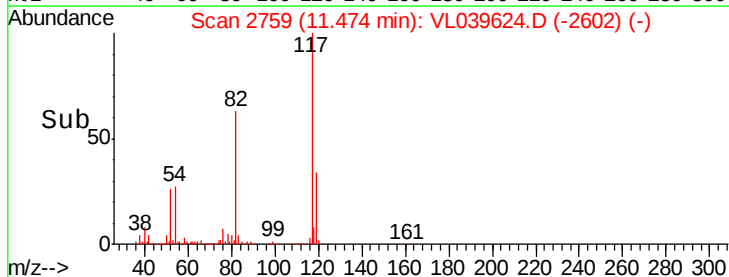
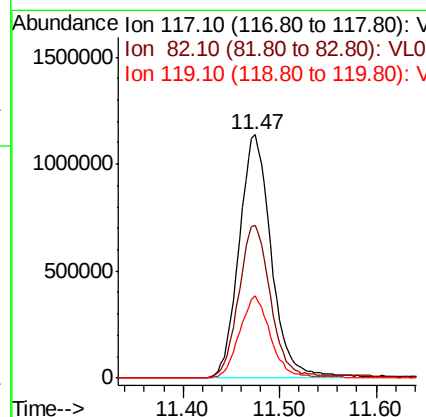
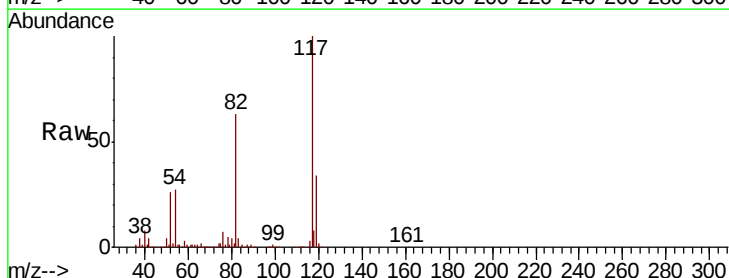
Tgt Ion:117 Resp: 2633600

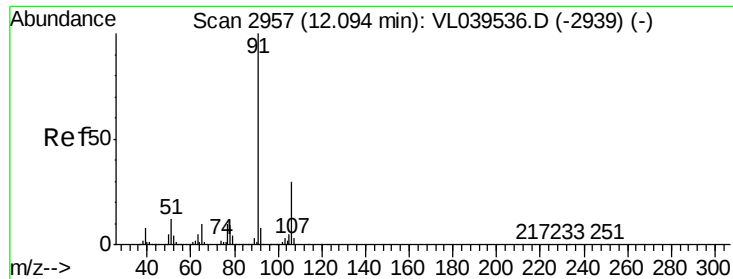
Ion Ratio Lower Upper

117 100

82 65.1 50.8 76.2

119 33.4 24.1 36.1



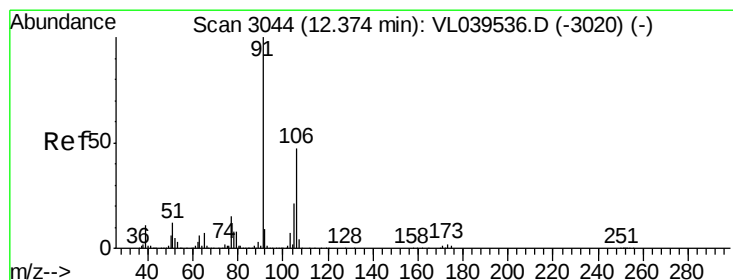
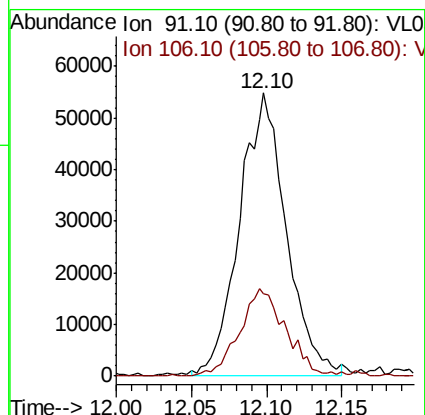
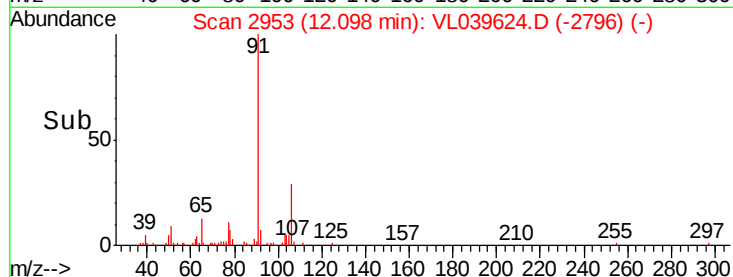
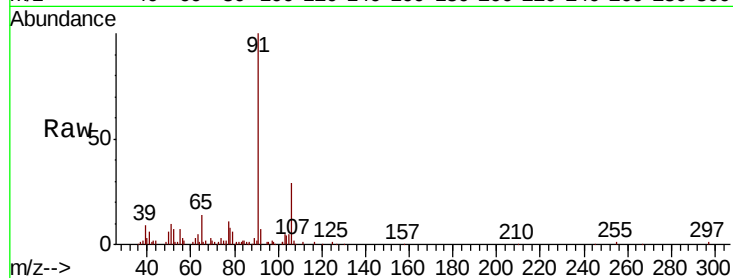


#58
Ethyl Benzene
Concen: 0.393 ppbv m
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Sep 2022 18:11

Tot Ion:
Ion Ratio
91 100
106 29.

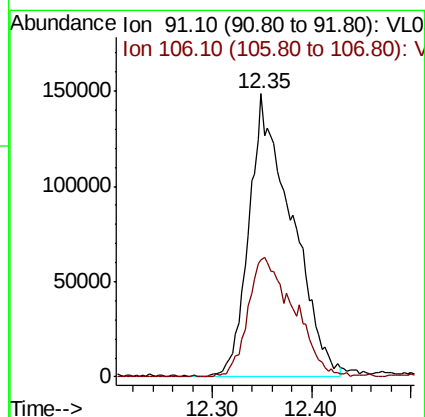
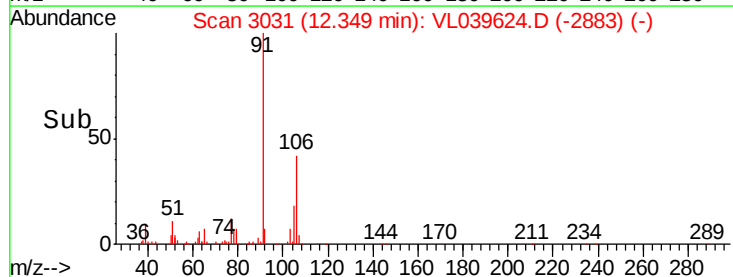
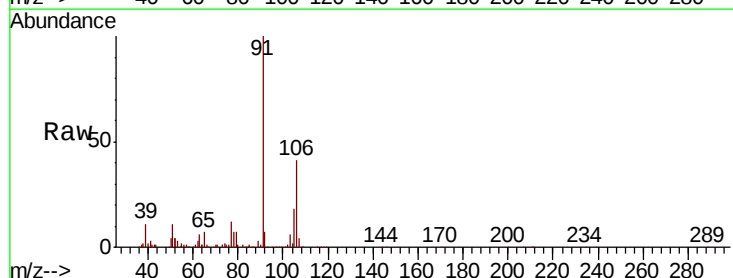
Manual Integrations
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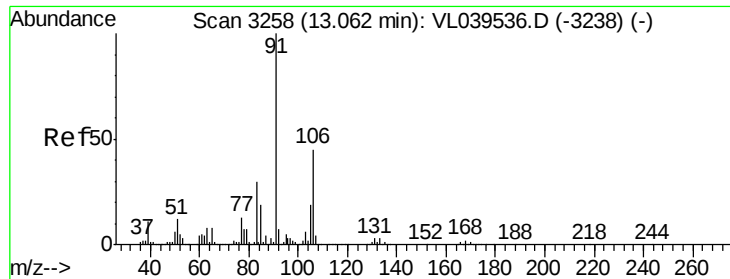
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#59
m/p-Xylene
Concen: 1.625 ppbv m
RT: 12.35 min Scan# 3031
Delta R.T. -0.03 min
Lab File: VL039624.D
Acq: 7 Sep 2022 18:11

Tgt Ion: 91 Resp: 441245
Ion Ratio Lower Upper
91 100
106 45.8 35.4 53.2



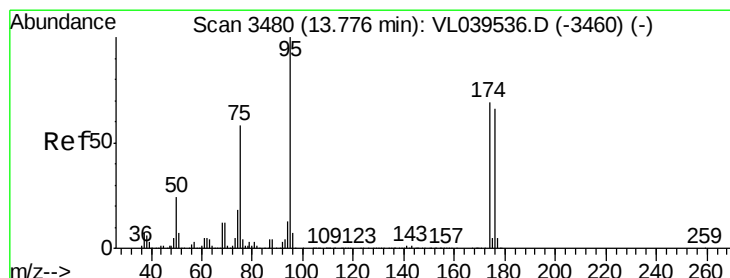
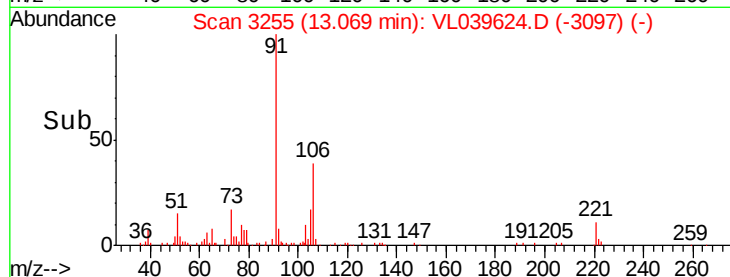
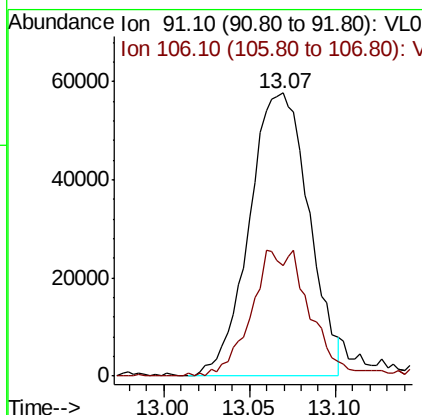
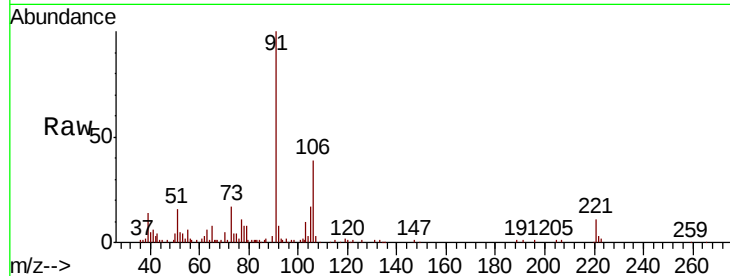


#60
o-Xylene
Concen: 0.533 ppbv
RT: 13.07
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 18:11

Tot Ion:
Ion Ratio
91 100
106 45.

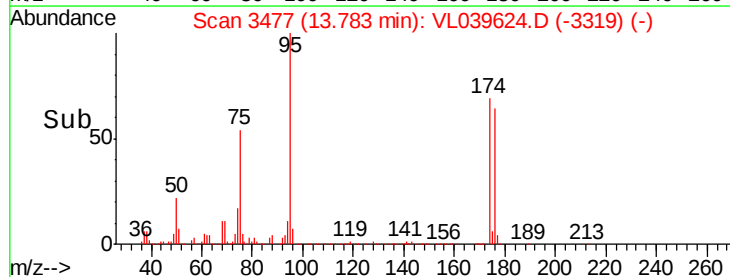
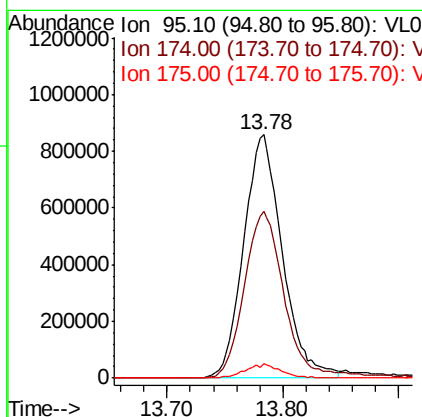
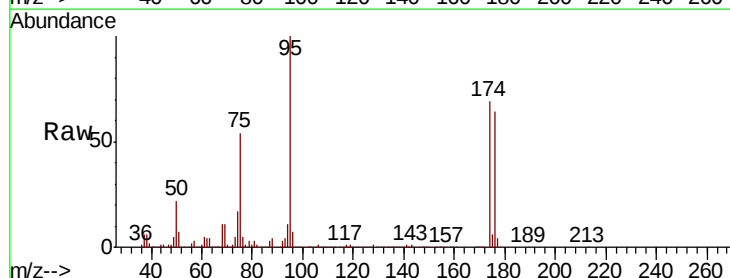
Manual Integrations
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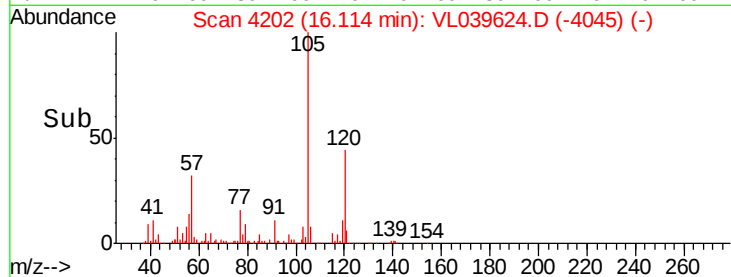
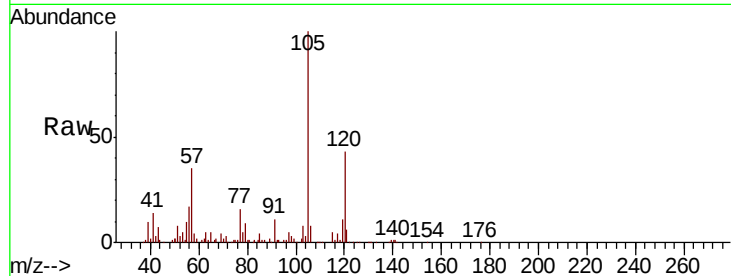
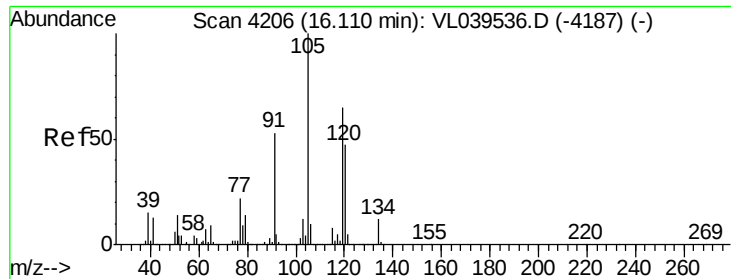
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.025 ppbv
RT: 13.78 min Scan# 3477
Delta R.T. 0.01 min
Lab File: VL039624.D
Acq: 7 Sep 2022 18:11

Tgt Ion: 95 Resp: 1991786
Ion Ratio Lower Upper
95 100
174 73.1 55.9 83.9
175 5.4 4.2 6.4





#74
 1,2,4-Trimethylbenzene
 Concen: 1.021 ppbv
 RT: 16.11
 Delta R.T.
 Lab File:
 Acq: 7 Sep 2022 16.11

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:1
 Ion Rati
 105 100
 120 43.
 91 10.
 77 15.2 17.2 25.8#

Manual Integrations
 APPROVED

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

