

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037008.D
 Acq On : 22 Aug 2024 15:29
 Operator : SY/MD
 Sample : P3696-02MS
 Misc : 6.24g/10mL/MSVOA_V/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GCN87MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

Quant Time: Aug 23 05:21:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	858989	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	613482	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	168330	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	169489	14.082	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.320%
7) Chloroethane-d5	1.529	69	169903	16.502	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.000%
11) 1,1-Dichloroethene-d2	2.056	65	87438	15.080	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.320%
21) 2-Butanone-d5	3.841	46	55793m	24.995	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	50.000%
24) Chloroform-d	4.240	84	425220	17.566	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.280%
26) 1,2-Dichloroethane-d4	4.934	65	198611	17.836	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	71.360%
32) Benzene-d6	4.950	84	792844	21.567	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.280%
36) 1,2-Dichloropropane-d6	5.982	67	235546	21.163	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.640%
41) Toluene-d8	7.236	98	652167	19.463	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.840%
43) trans-1,3-Dichloroprop...	7.548	79	81953	21.105	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.440%
47) 2-Hexanone-d5	8.034	63	43999	44.694	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.380%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	112826	18.310	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.240%
66) 1,2-Dichlorobenzene-d4	11.554	152	97698	16.214	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	64.840%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	217692	16.226	ug/L	99
3) Chloromethane	1.217	50	307666	19.807	ug/L	100
5) Vinyl chloride	1.282	62	307742	20.005	ug/L	99
6) Bromomethane	1.487	94	205845	21.040	ug/L	98
8) Chloroethane	1.548	64	207410	21.346	ug/L	98
9) Trichlorofluoromethane	1.712	101	377655	18.593	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	210782	16.838	ug/L	100
12) 1,1-Dichloroethene	2.066	96	229753	19.707	ug/L	94
13) Acetone	2.146	43	104704m	39.971	ug/L	
14) Carbon disulfide	2.236	76	734639	19.030	ug/L	100
15) Methyl Acetate	2.384	43	72996	17.098	ug/L	99
16) Methylene chloride	2.442	84	295738	17.308	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	266057	20.848	ug/L	96
18) Methyl tert-butyl Ether	2.706	73	587372	22.217	ug/L	99
19) 1,1-Dichloroethane	3.101	63	511237	20.580	ug/L	98
20) cis-1,2-Dichloroethene	3.806	96	278410	20.339	ug/L	99
22) 2-Butanone	3.921	43	44157	16.379	ug/L	83
23) Bromochloromethane	4.140	128	107397	19.771	ug/L	93
25) Chloroform	4.269	83	492043	20.264	ug/L	99

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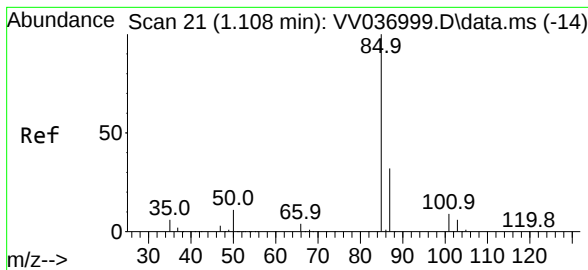
Quant Time: Aug 23 05:21:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
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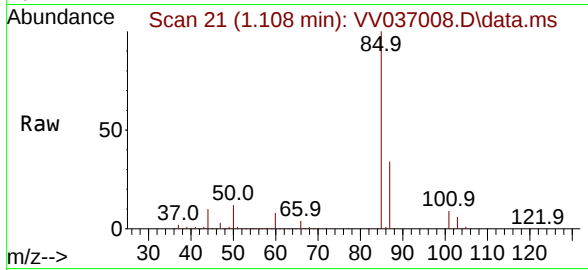
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	276094	20.792	ug/L	98
29) Cyclohexane	4.568	56	304717	19.147	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	390367	25.235	ug/L	99
31) Carbon tetrachloride	4.722	117	308275	23.612	ug/L	100
33) Benzene	4.998	78	1004424	25.115	ug/L	100
34) Trichloroethene	5.825	95	254821	22.571	ug/L	98
35) Methylcyclohexane	6.040	83	236627	13.555	ug/L	99
37) 1,2-Dichloropropane	6.085	63	237159	24.547	ug/L	100
38) Bromodichloromethane	6.426	83	295004	24.583	ug/L	97
39) cis-1,3-Dichloropropene	6.947	75	359144	25.458	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	195213	47.863	ug/L	98
42) Toluene	7.307	91	980974	23.413	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	263855	24.581	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	147619	23.283	ug/L	99
46) Tetrachloroethene	7.899	164	145376	18.212	ug/L	94
48) 2-Hexanone	8.082	43	114825	37.577	ug/L	98
49) Dibromochloromethane	8.172	129	155662	22.316	ug/L	99
50) 1,2-Dibromoethane	8.278	107	133563	23.343	ug/L	99
51) Chlorobenzene	8.809	112	509627	19.047	ug/L	99
52) Ethylbenzene	8.940	91	907561	19.210	ug/L	99
53) m,p-Xylene	9.066	106	330813	18.847	ug/L	96
54) o-Xylene	9.471	106	299584	17.867	ug/L	100
55) Styrene	9.490	104	477102	17.240	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	122769	20.916	ug/L	95
59) Bromoform	9.661	173	67613	35.466	ug/L	97
60) Isopropylbenzene	9.860	105	716120	26.981	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	103150	38.000	ug/L	97
62) 1,3,5-Trimethylbenzene	10.471	105	485396	22.338	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	470030	22.192	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	221349	19.514	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	218596	19.294	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	178391	18.152	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	17708	33.382	ug/L	95
69) 1,3,5-Trichlorobenzene	12.577	180	72718	9.199	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	54268	8.579	ug/L #	81
71) Naphthalene	13.435	128	165214	17.337	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.677	180	38689	7.387	ug/L #	83

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



#2
 Dichlorodifluoromethane
 Concen: 16.226 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037008.D
 Acq: 22 Aug 2024 15:29

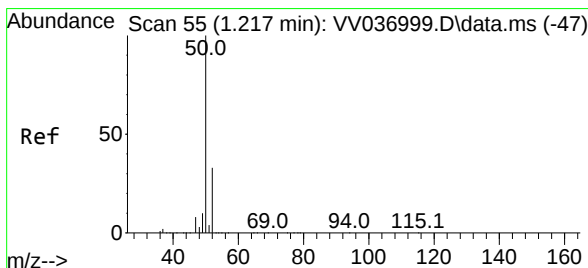
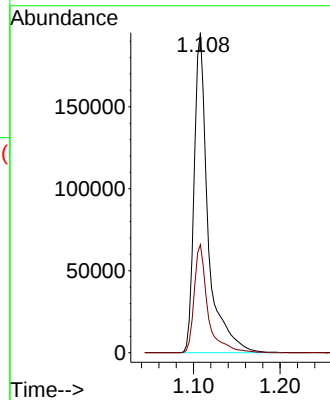
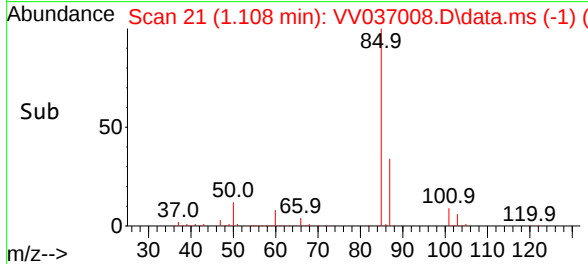
Instrument :
 MSVOA_V
 ClientSampleId :
 GCN87MS



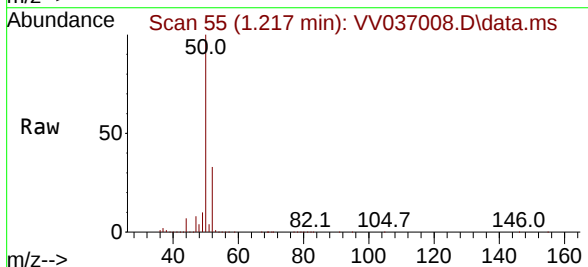
Tgt Ion: 85 Resp: 217692
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.1 39.1

Manual Integrations
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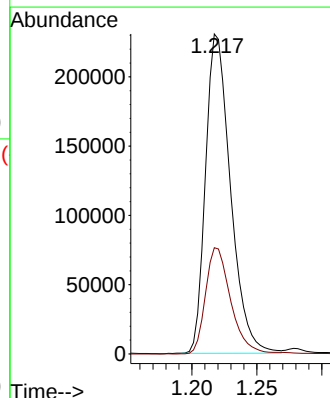
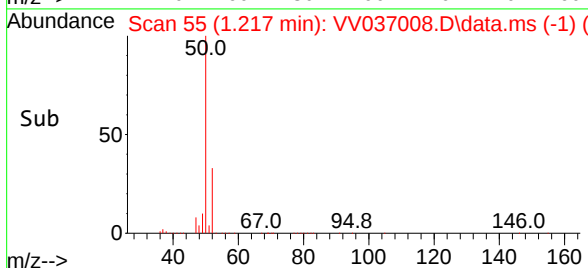
Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

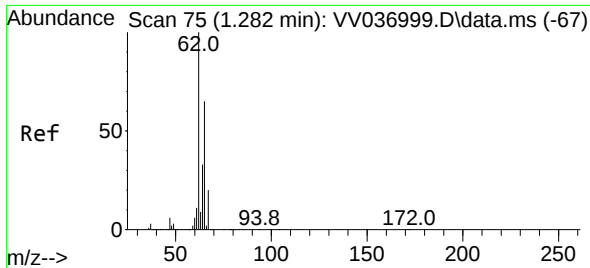


#3
 Chloromethane
 Concen: 19.807 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037008.D
 Acq: 22 Aug 2024 15:29



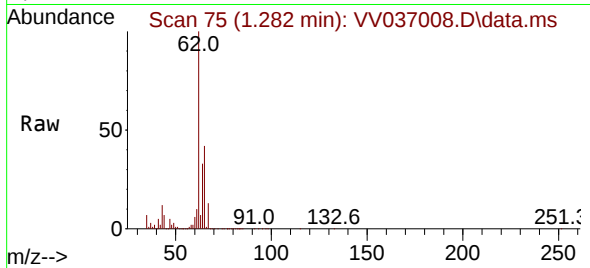
Tgt Ion: 50 Resp: 307666
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.2 43.2





#5
 Vinyl chloride
 Concen: 20.005 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV037008.D
 Acq: 22 Aug 2024 15:29

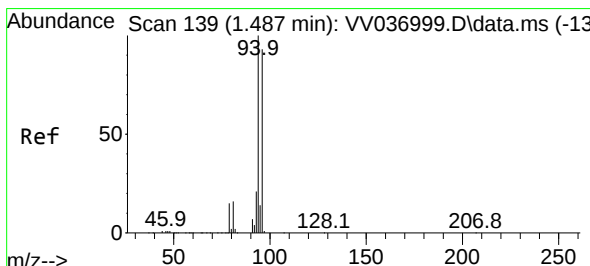
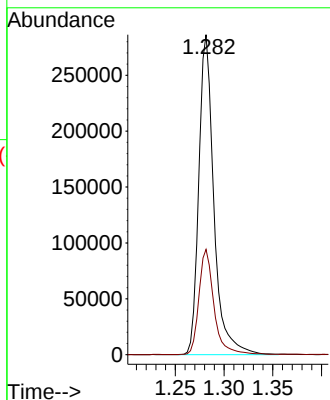
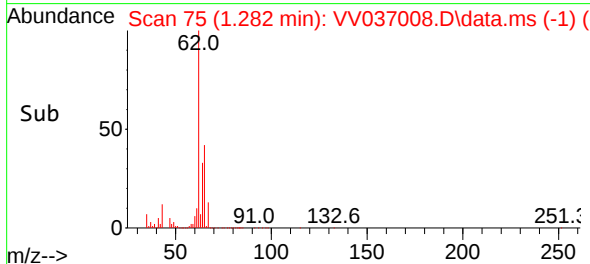
Instrument :
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 ClientSampleId :
 GCN87MS



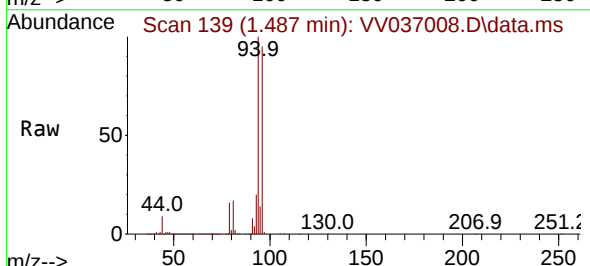
Tgt Ion: 62 Resp: 30774
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.8 42.4

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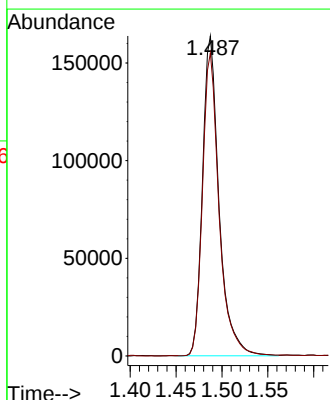
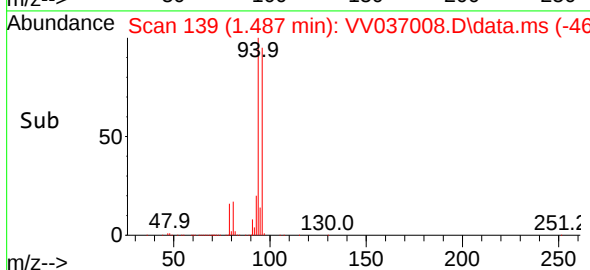
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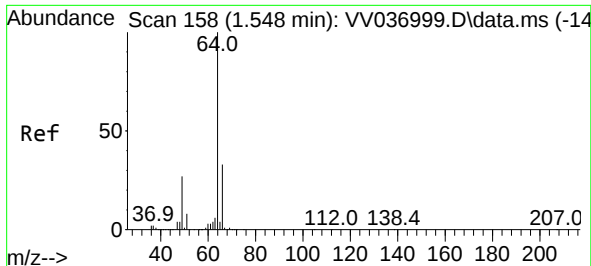


#6
 Bromomethane
 Concen: 21.040 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV037008.D
 Acq: 22 Aug 2024 15:29



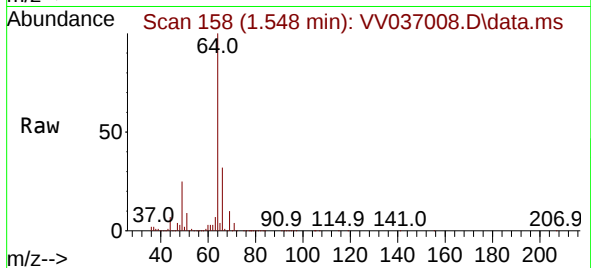
Tgt Ion: 94 Resp: 205845
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.0 120.6





#8
Chloroethane
Concen: 21.346 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

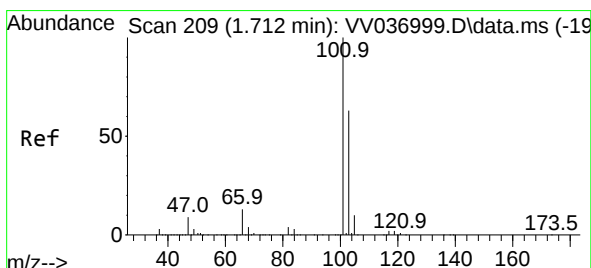
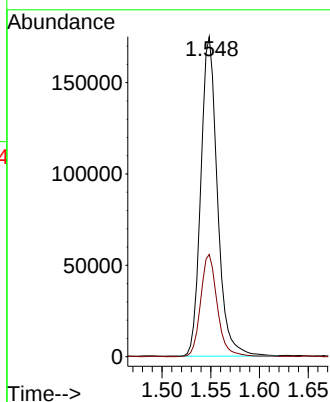
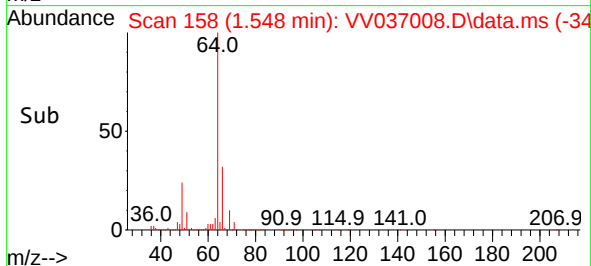
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



Tgt Ion: 64 Resp: 207410
Ion Ratio Lower Upper
64 100
66 31.9 23.2 43.0

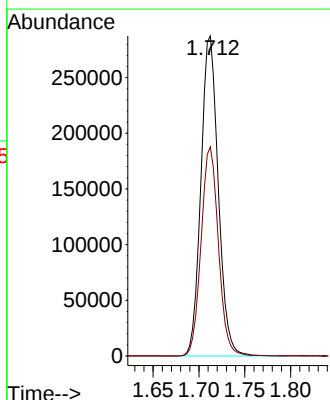
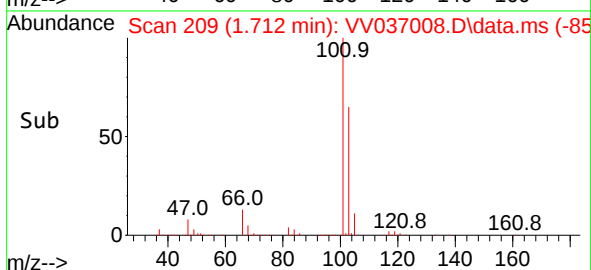
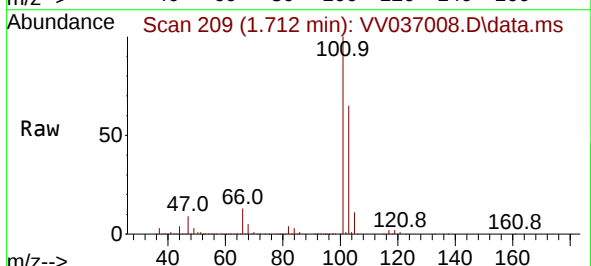
Manual Integrations
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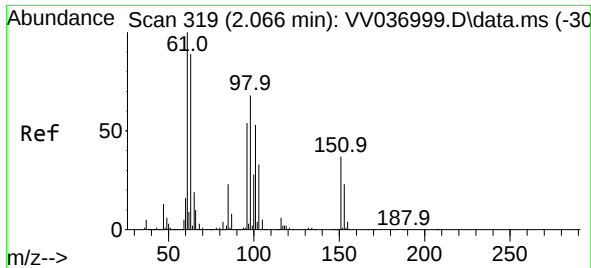
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#9
Trichlorofluoromethane
Concen: 18.593 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Tgt Ion:101 Resp: 377655
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6





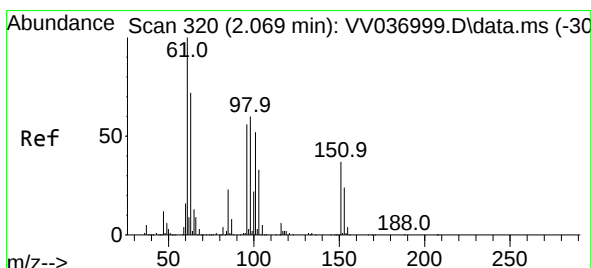
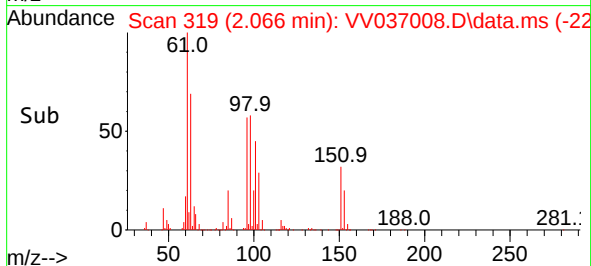
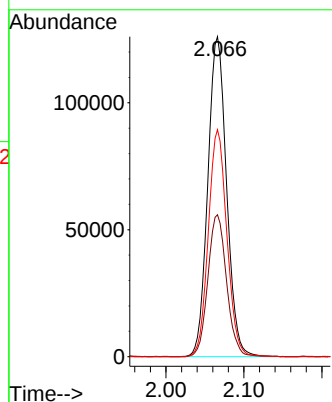
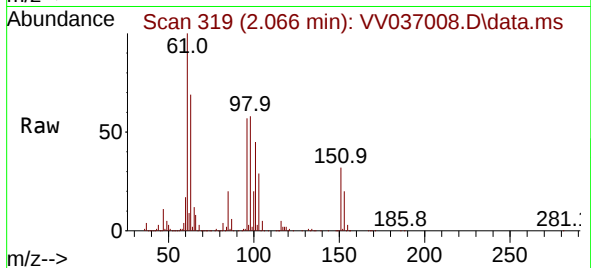
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 16.838 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Instrument :
MSVOA_V
ClientSampleId :
GCN87MS

Tgt Ion:101 Resp: 21078
Ion Ratio Lower Upper
101 100
85 44.2 35.6 53.4
151 70.2 56.3 84.5

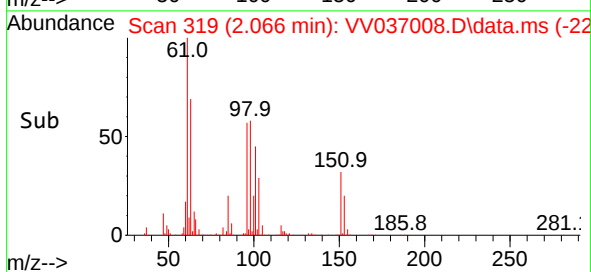
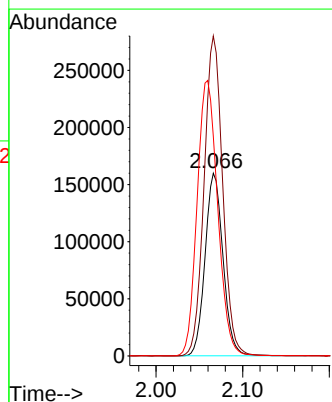
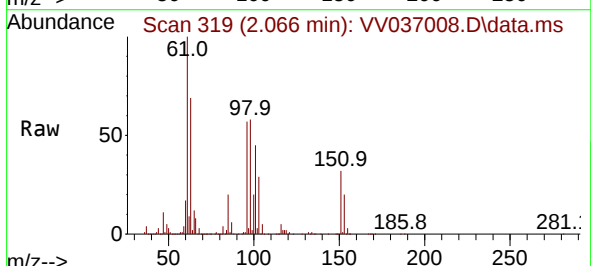
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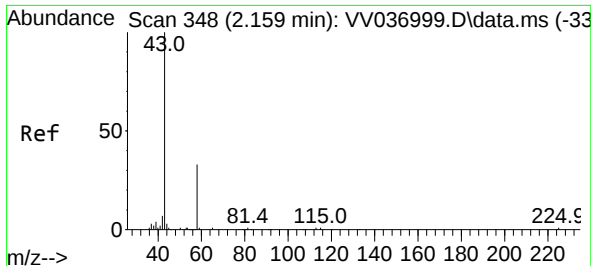
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#12
1,1-Dichloroethene
Concen: 19.707 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

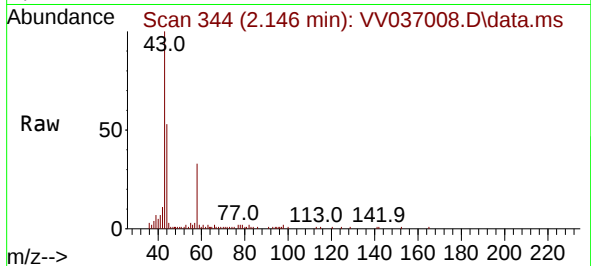
Tgt Ion: 96 Resp: 229753
Ion Ratio Lower Upper
96 100
61 175.2 126.0 234.0
63 120.1 91.0 169.0





#13
Acetone
Concen: 39.971 ug/L m
RT: 2.146 min Scan# 34
Delta R.T. -0.013 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

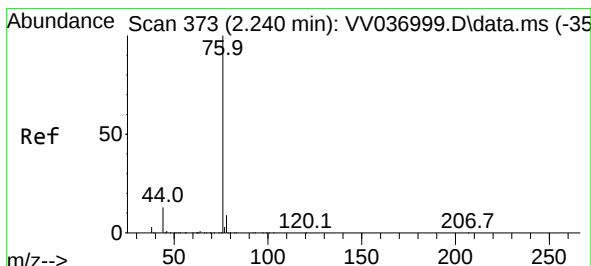
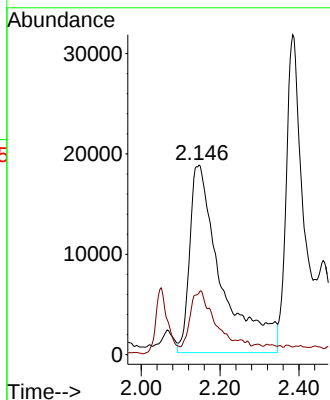
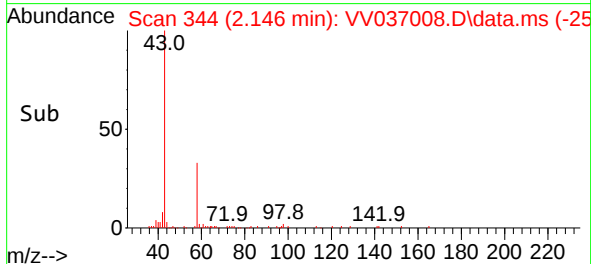
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



Tgt Ion: 43 Resp: 104704
Ion Ratio Lower Upper
43 100
58 0.1 0.0 21.2

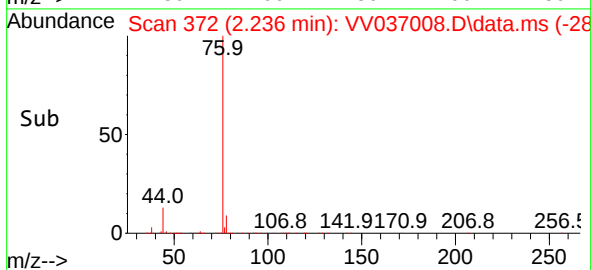
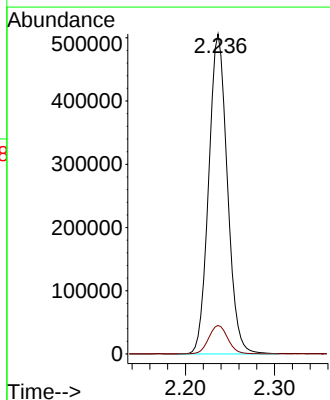
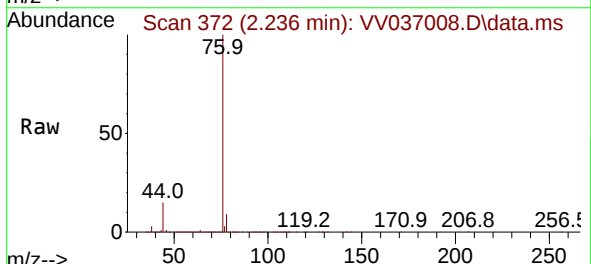
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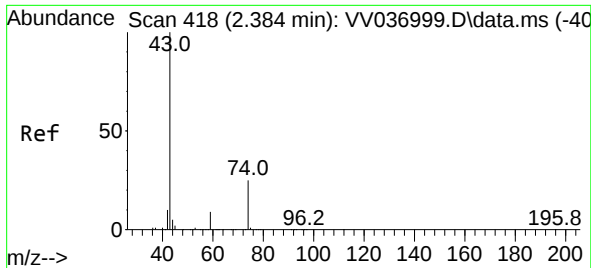
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#14
Carbon disulfide
Concen: 19.030 ug/L
RT: 2.236 min Scan# 372
Delta R.T. -0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

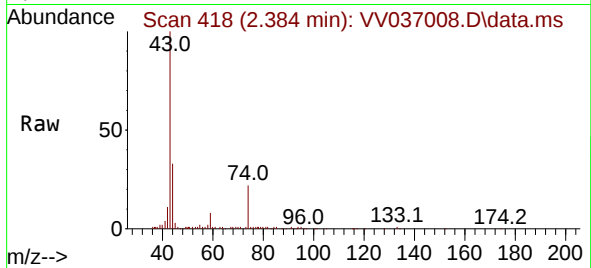
Tgt Ion: 76 Resp: 734639
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7





#15
Methyl Acetate
Concen: 17.098 ug/L
RT: 2.384 min Scan# 418
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

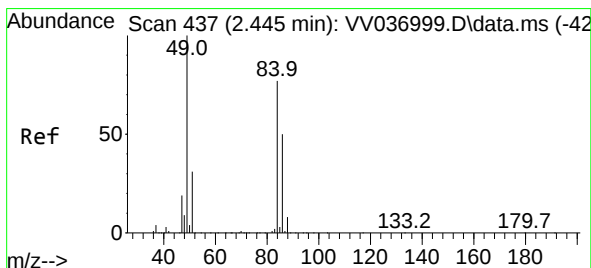
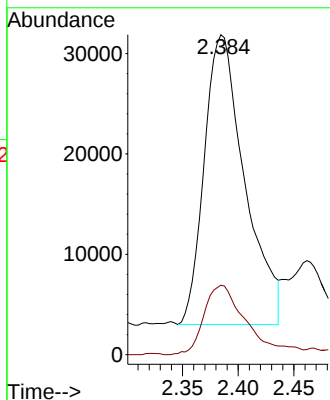
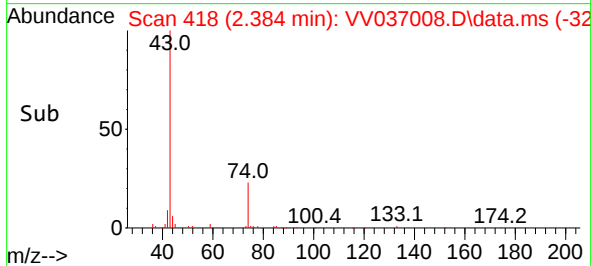
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



Tgt Ion: 43 Resp: 72990
Ion Ratio Lower Upper
43 100
74 24.0 19.6 29.4

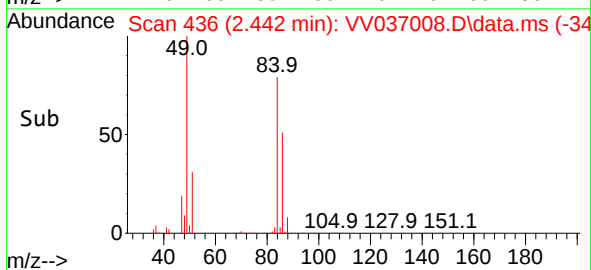
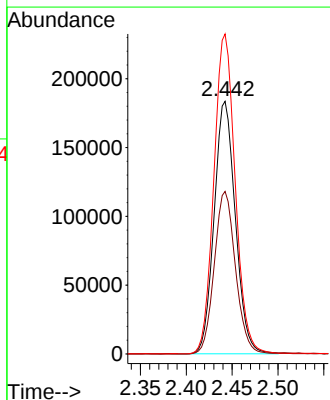
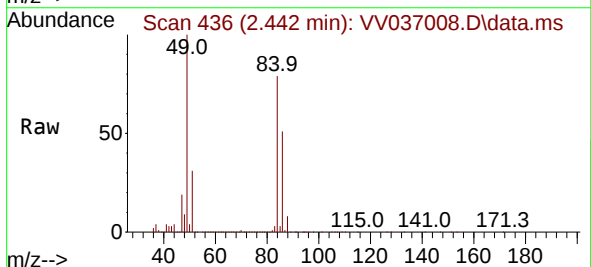
Manual Integrations
APPROVED

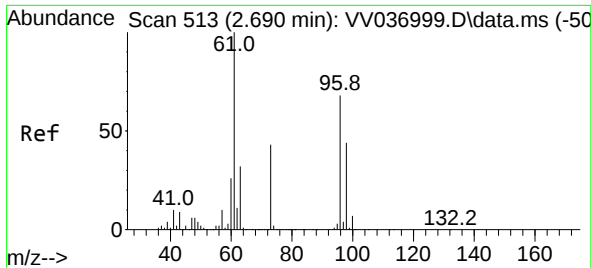
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#16
Methylene chloride
Concen: 17.308 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

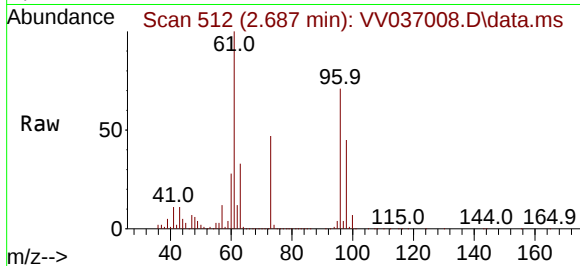
Tgt Ion: 84 Resp: 295738
Ion Ratio Lower Upper
84 100
86 64.3 45.4 84.2
49 126.6 91.2 169.4





#17
trans-1,2-Dichloroethene
Concen: 20.848 ug/L
RT: 2.687 min Scan# 513
Delta R.T. -0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

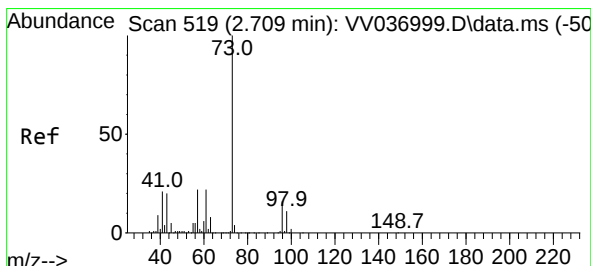
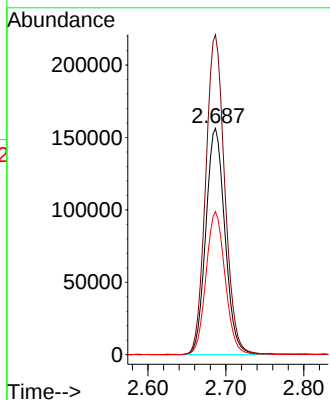
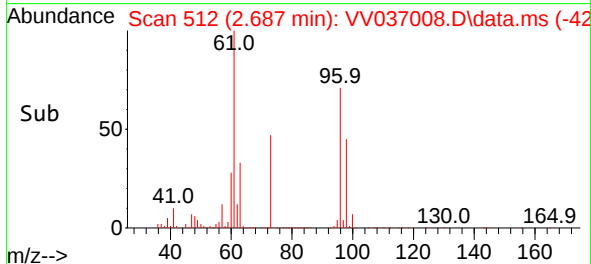
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



Tgt Ion: 96 Resp: 26605
Ion Ratio Lower Upper
96 100
61 141.3 103.3 191.9
98 63.2 45.0 83.6

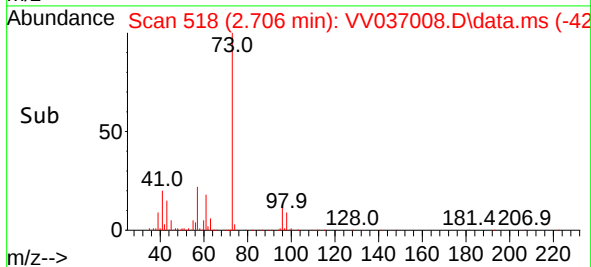
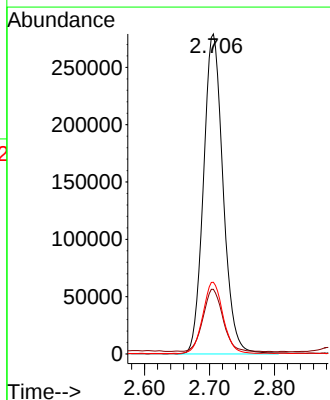
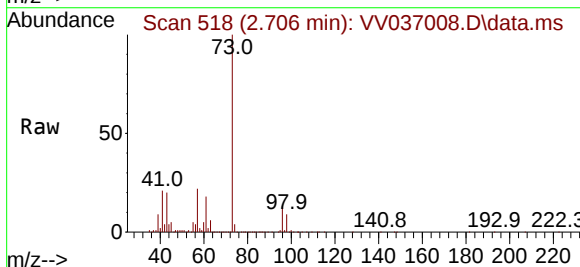
Manual Integrations
APPROVED

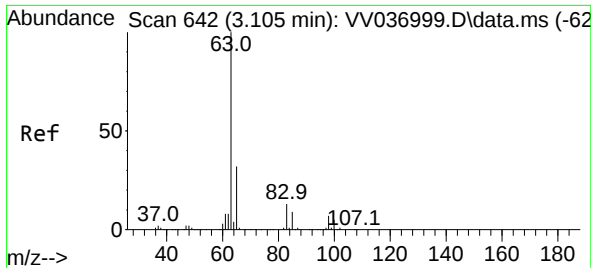
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#18
Methyl tert-butyl Ether
Concen: 22.217 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Tgt Ion: 73 Resp: 587372
Ion Ratio Lower Upper
73 100
43 19.4 15.9 23.9
57 22.8 17.6 26.4





#19

1,1-Dichloroethane

Concen: 20.580 ug/L

RT: 3.101 min Scan# 641

Delta R.T. -0.003 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

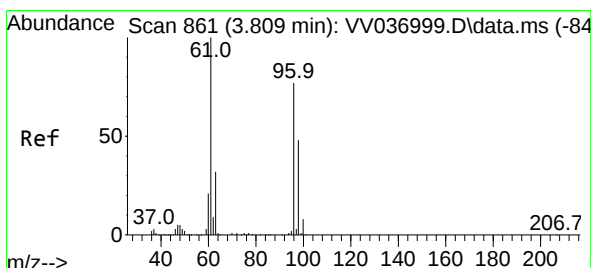
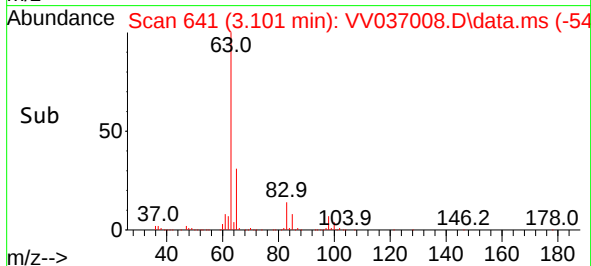
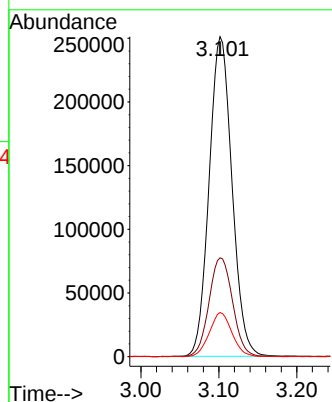
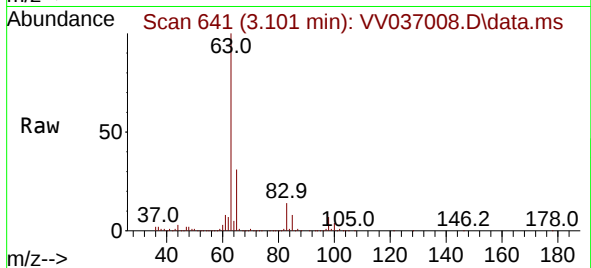
GCN87MS

Tgt Ion: 63	Resp: 51123
Ion Ratio	Lower Upper
63	100
65	30.9 22.3 41.3
83	13.8 9.0 16.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#20

cis-1,2-Dichloroethene

Concen: 20.339 ug/L

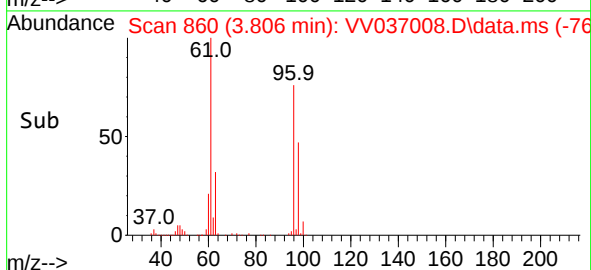
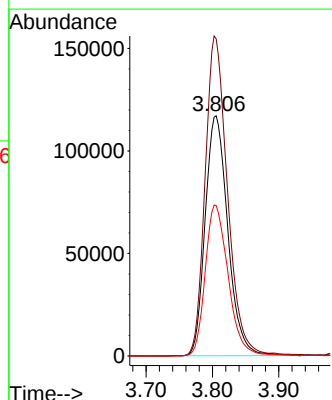
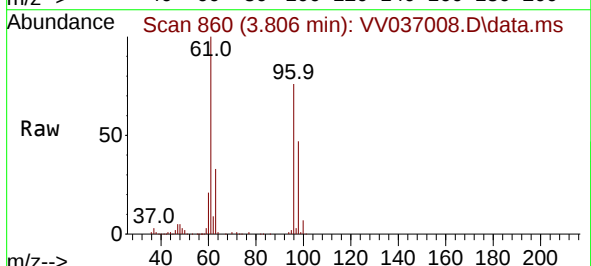
RT: 3.806 min Scan# 860

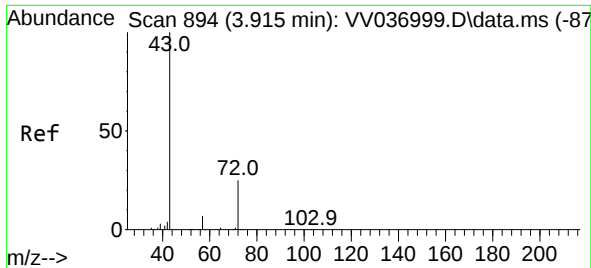
Delta R.T. -0.003 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Tgt Ion: 96	Resp: 278410
Ion Ratio	Lower Upper
96	100
61	132.0 91.0 169.0
98	62.6 43.8 81.3





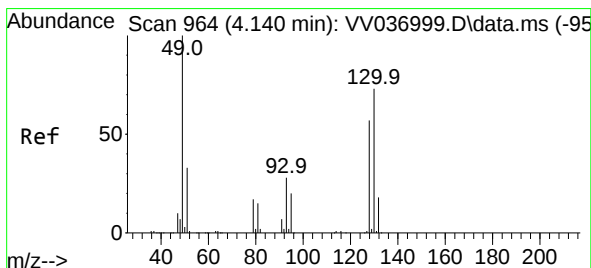
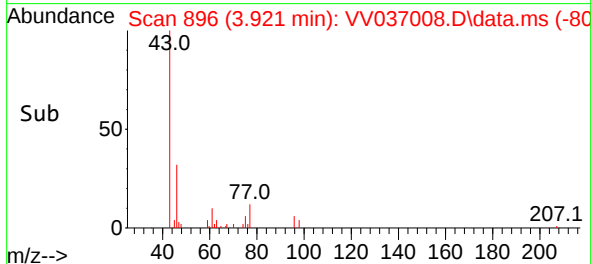
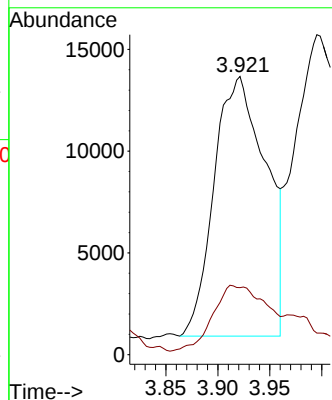
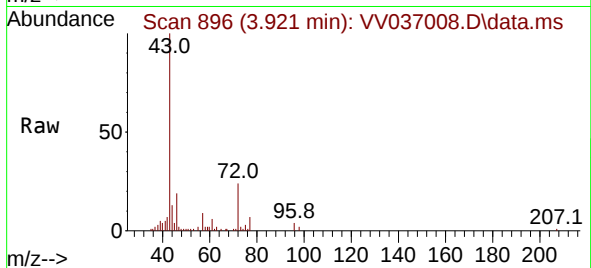
#22
2-Butanone
Concen: 16.379 ug/L
RT: 3.921 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Instrument :
MSVOA_V
ClientSampleId :
GCN87MS

Tgt Ion: 43 Resp: 4415
Ion Ratio Lower Upper
43 100
72 13.5 10.7 32.1

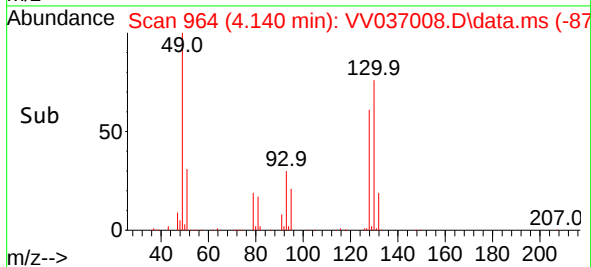
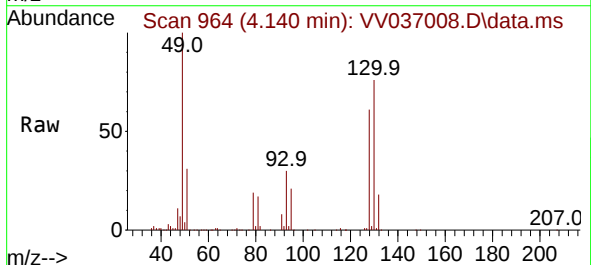
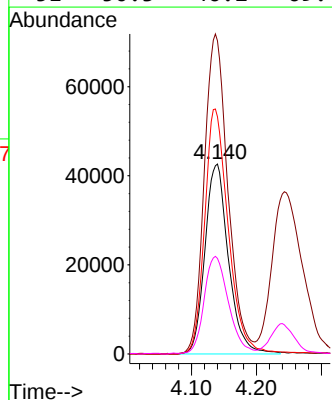
Manual Integrations
APPROVED

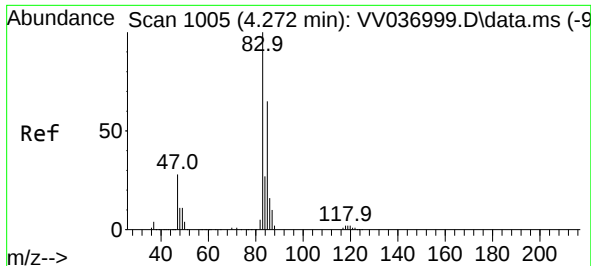
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#23
Bromochloromethane
Concen: 19.771 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Tgt Ion:128 Resp: 107397
Ion Ratio Lower Upper
128 100
49 164.9 123.3 229.1
130 124.8 89.7 166.5
51 50.3 46.2 69.4





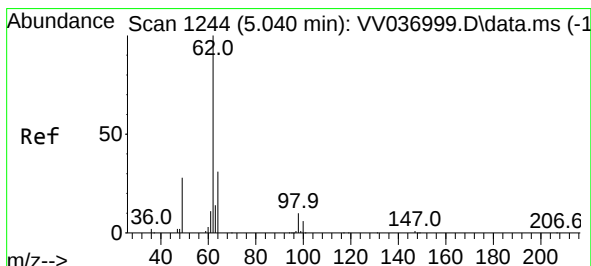
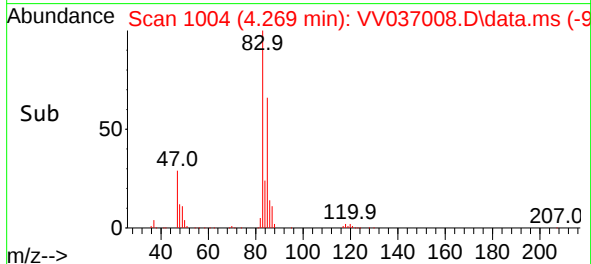
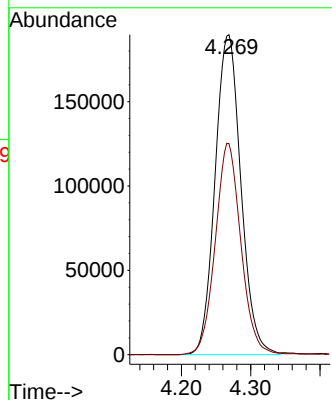
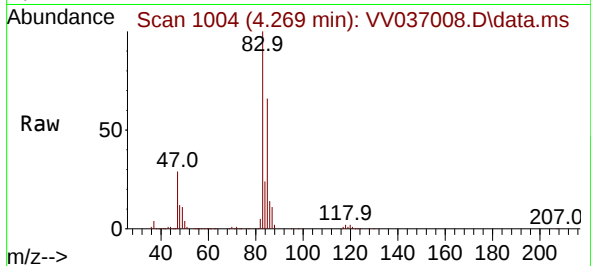
#25
Chloroform
Concen: 20.264 ug/L
RT: 4.269 min Scan# 1004
Delta R.T. -0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Instrument :
MSVOA_V
ClientSampleId :
GCN87MS

Tgt Ion: 83 Resp: 49204
Ion Ratio Lower Upper
83 100
85 65.9 45.5 84.5

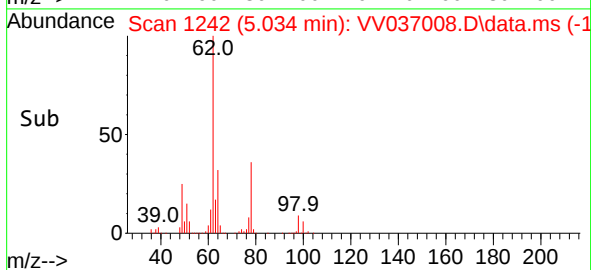
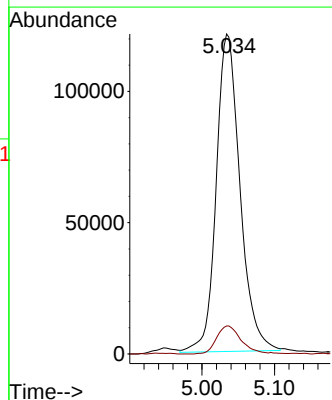
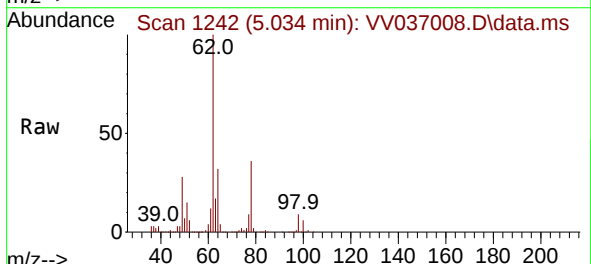
Manual Integrations
APPROVED

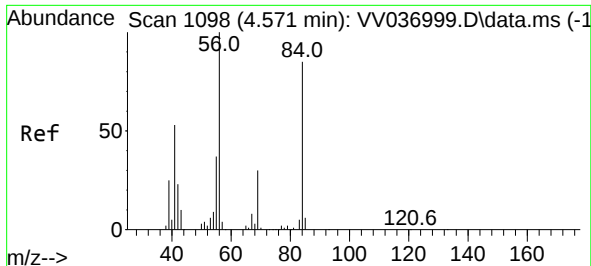
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#27
1,2-Dichloroethane
Concen: 20.792 ug/L
RT: 5.034 min Scan# 1242
Delta R.T. -0.006 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Tgt Ion: 62 Resp: 276094
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3





#29

Cyclohexane

Concen: 19.147 ug/L

RT: 4.568 min Scan# 1097

Delta R.T. -0.003 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

GCN87MS

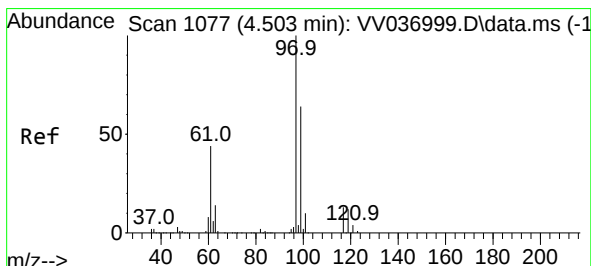
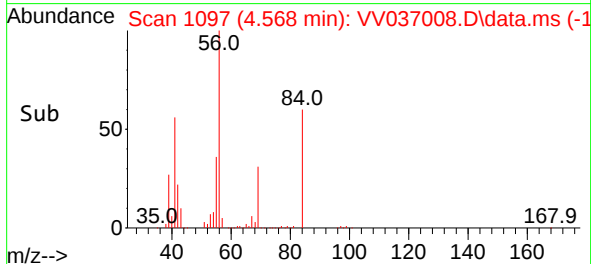
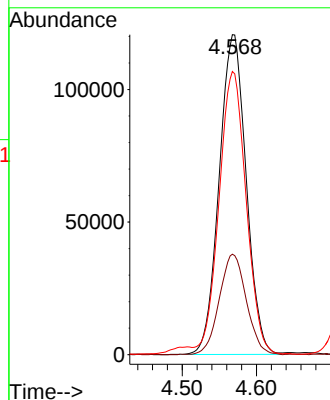
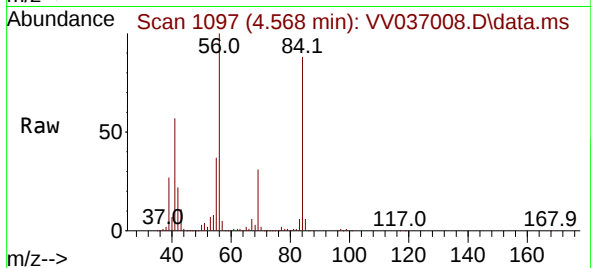
Tgt Ion: 56 Resp: 30471

Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.7	37.1
84	88.5	70.0	105.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#30

1,1,1-Trichloroethane

Concen: 25.235 ug/L

RT: 4.500 min Scan# 1076

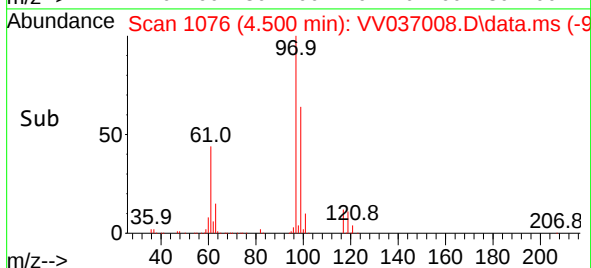
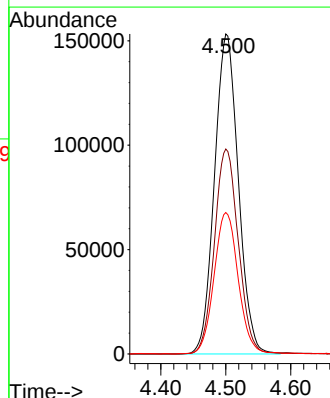
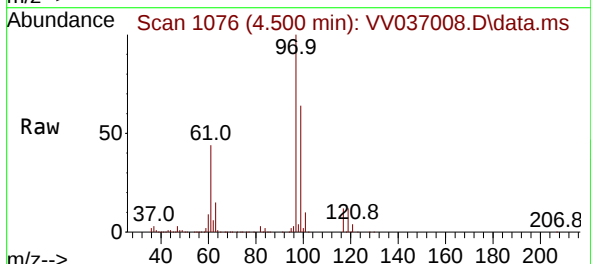
Delta R.T. -0.003 min

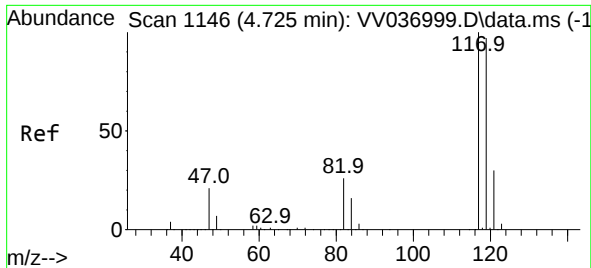
Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Tgt Ion: 97 Resp: 390367

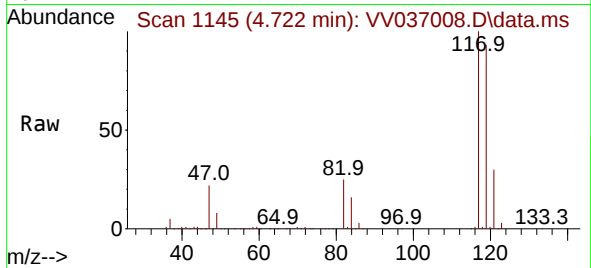
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	44.5	35.0	52.6





#31
Carbon tetrachloride
Concen: 23.612 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. -0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

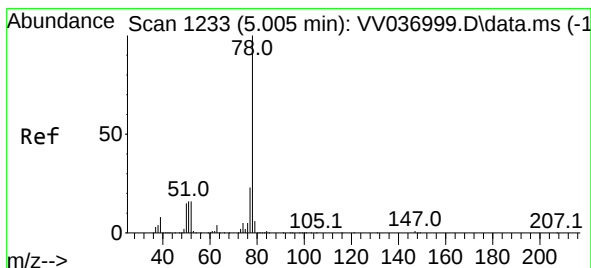
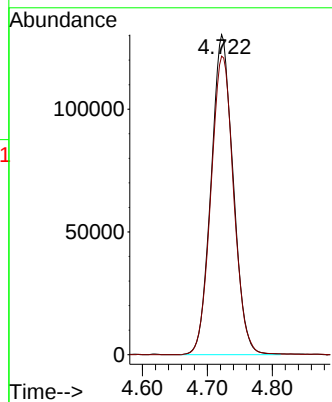
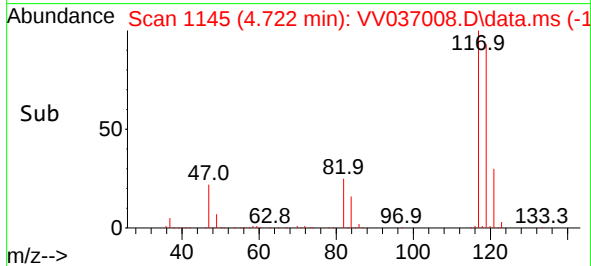
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



Tgt Ion:117 Resp: 30827
Ion Ratio Lower Upper
117 100
119 96.1 76.6 115.0

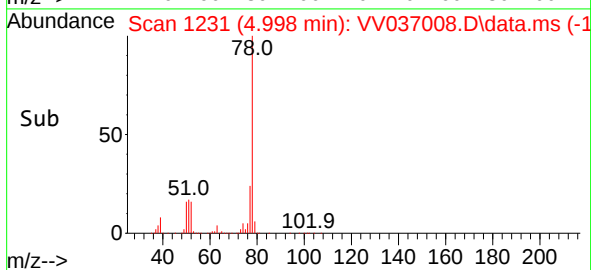
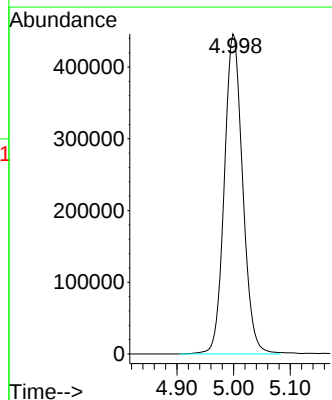
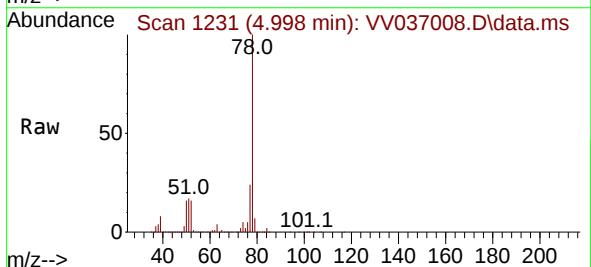
Manual Integrations
APPROVED

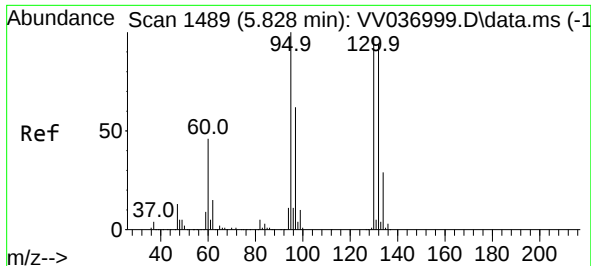
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#33
Benzene
Concen: 25.115 ug/L
RT: 4.998 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

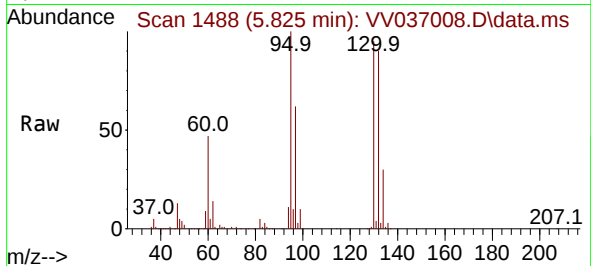
Tgt Ion: 78 Resp: 1004424





#34
Trichloroethene
Concen: 22.571 ug/L
RT: 5.825 min Scan# 1489
Delta R.T. -0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

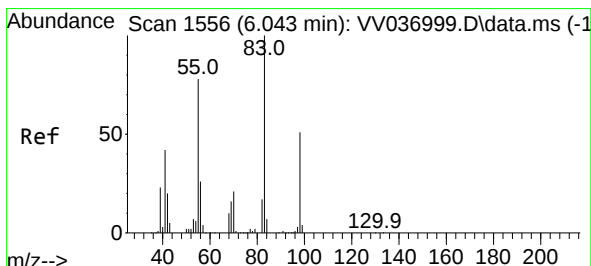
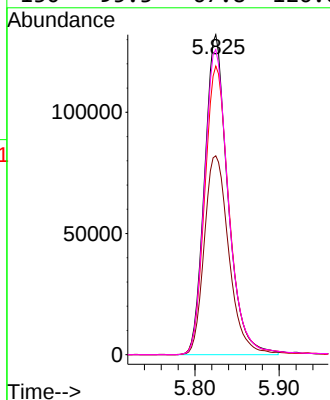
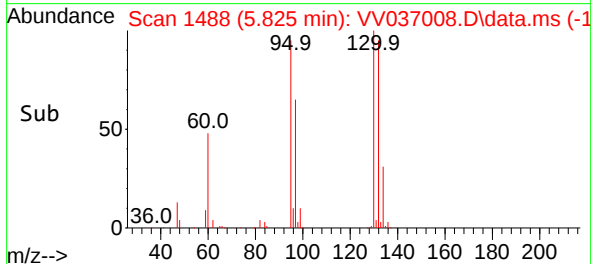
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



Tgt Ion: 95 Resp: 25482
Ion Ratio Lower Upper
95 100
97 62.2 43.5 80.9
132 90.2 66.1 122.7
130 95.3 67.8 126.0

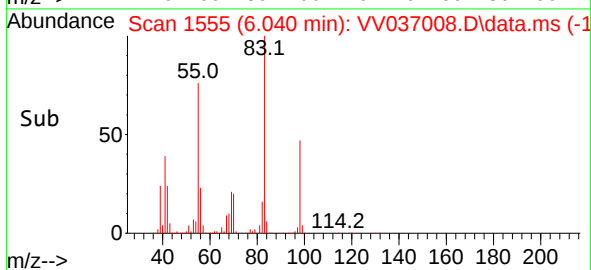
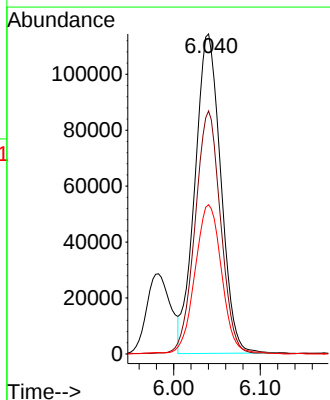
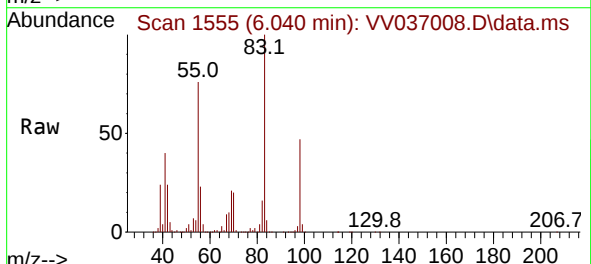
Manual Integrations
APPROVED

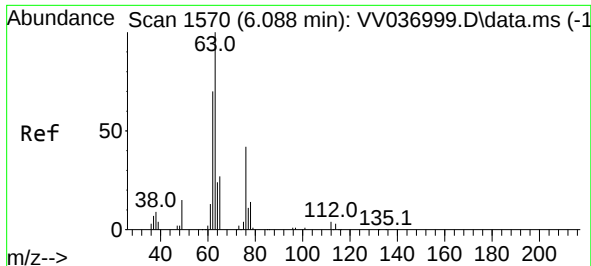
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#35
Methylcyclohexane
Concen: 13.555 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Tgt Ion: 83 Resp: 236627
Ion Ratio Lower Upper
83 100
55 74.8 60.9 91.3
98 48.4 39.0 58.6





#37

1,2-Dichloropropane

Concen: 24.547 ug/L

RT: 6.085 min Scan# 1569

Delta R.T. -0.003 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

GCN87MS

Tgt Ion: 63 Resp: 23715

Ion Ratio Lower Upper

63 100

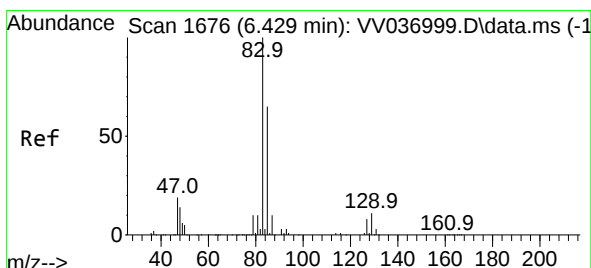
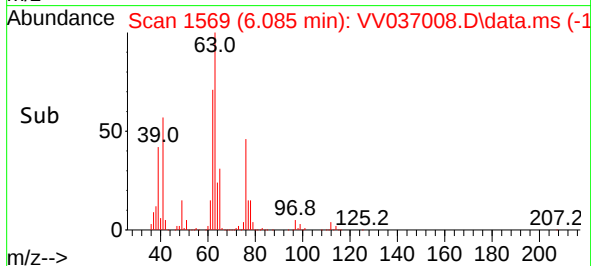
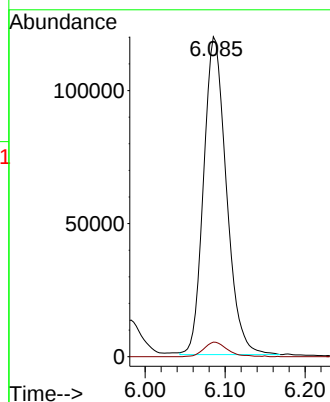
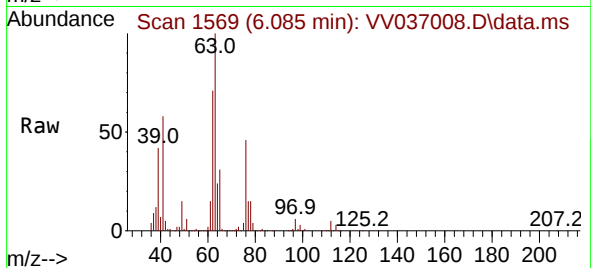
112 4.7 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024

Supervised By :Semsettin Yesilyurt 08/23/2024



#38

Bromodichloromethane

Concen: 24.583 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. -0.003 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

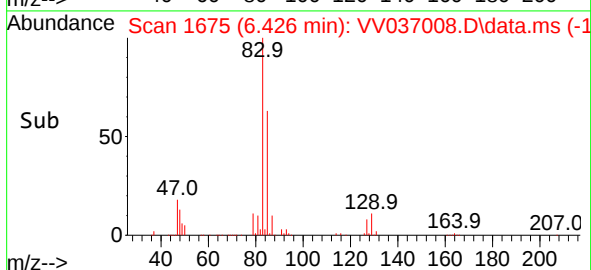
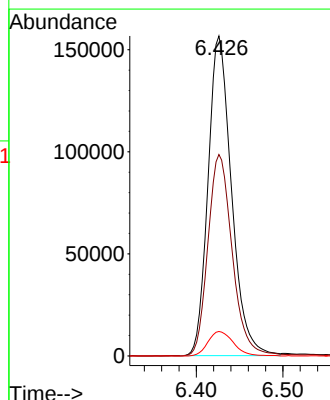
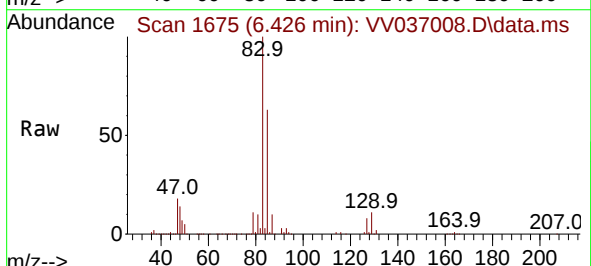
Tgt Ion: 83 Resp: 295004

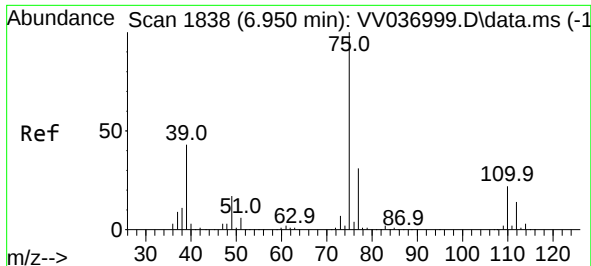
Ion Ratio Lower Upper

83 100

85 63.0 45.6 84.6

127 7.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 25.458 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.003 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

GCN87MS

Tgt Ion: 75 Resp: 359144

Ion Ratio Lower Upper

75 100

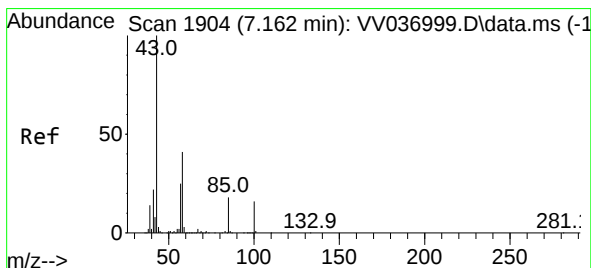
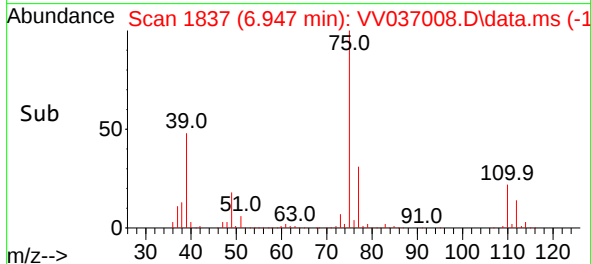
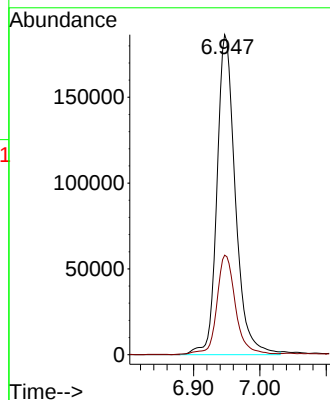
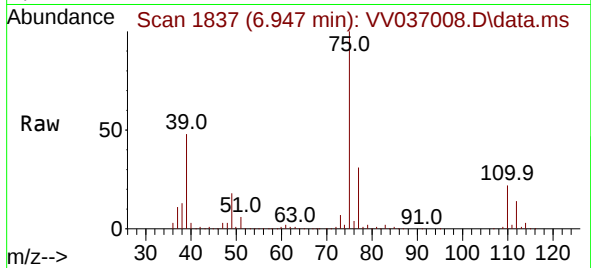
77 31.1 21.8 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024

Supervised By :Semsettin Yesilyurt 08/23/2024



#40

4-Methyl-2-pentanone

Concen: 47.863 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

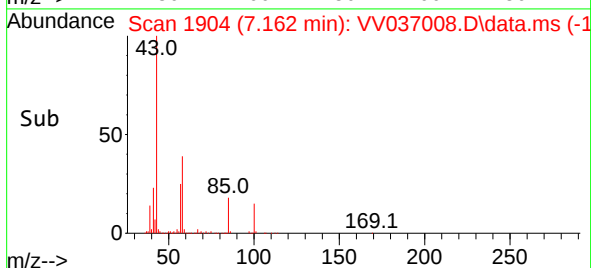
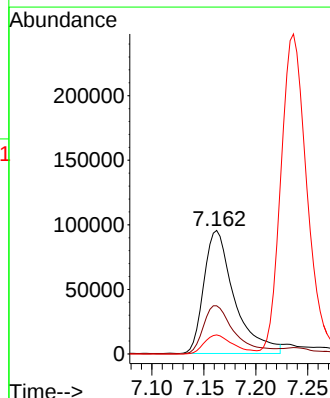
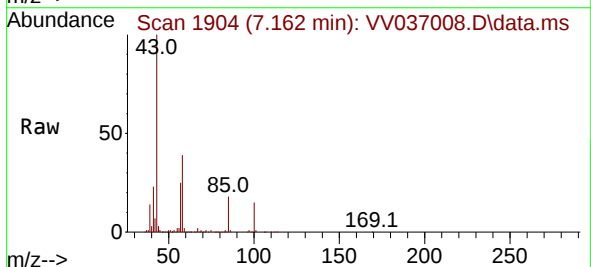
Tgt Ion: 43 Resp: 195213

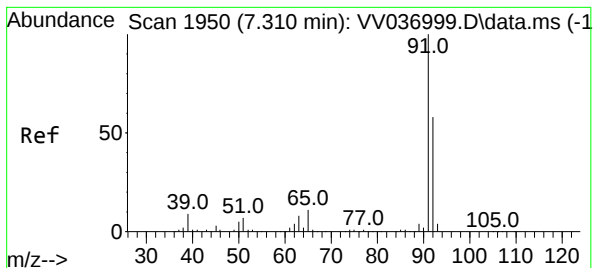
Ion Ratio Lower Upper

43 100

58 40.5 31.1 46.7

100 14.8 12.1 18.1





#42

Toluene

Concen: 23.413 ug/L

RT: 7.307 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

GCN87MS

Tgt Ion: 91 Resp: 980974

Ion Ratio Lower Upper

91 100

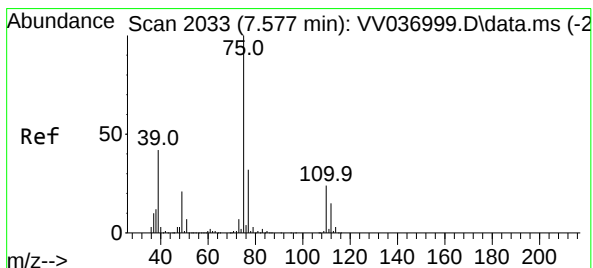
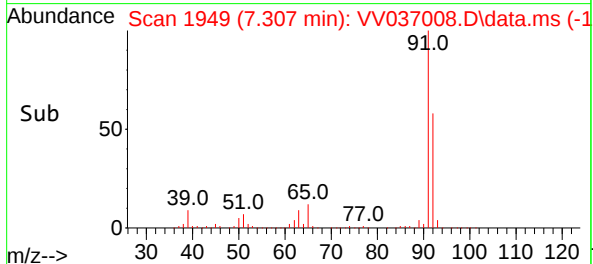
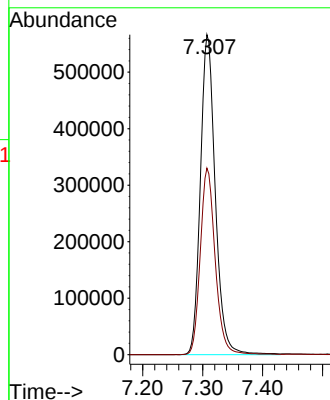
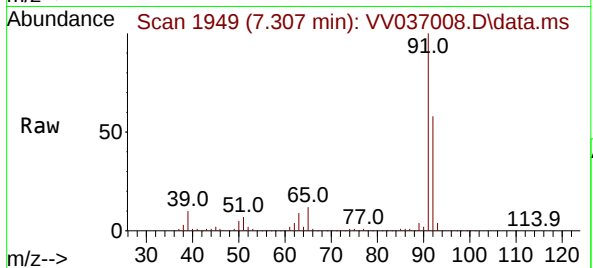
92 58.3 40.4 75.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024

Supervised By :Semsettin Yesilyurt 08/23/2024



#44

trans-1,3-Dichloropropene

Concen: 24.581 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV037008.D

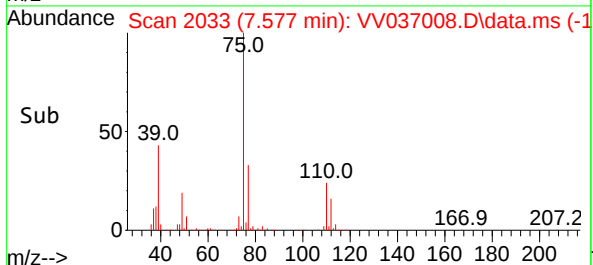
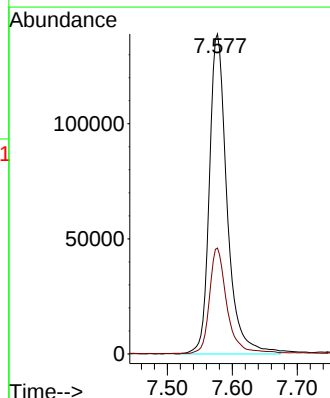
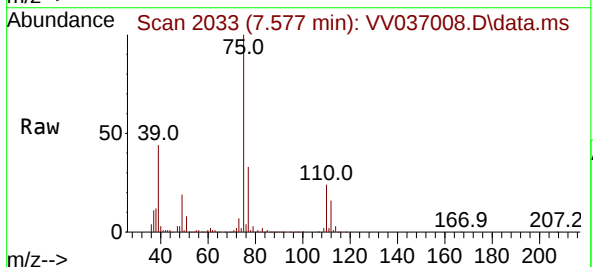
Acq: 22 Aug 2024 15:29

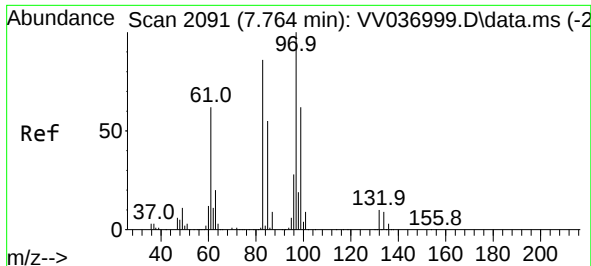
Tgt Ion: 75 Resp: 263855

Ion Ratio Lower Upper

75 100

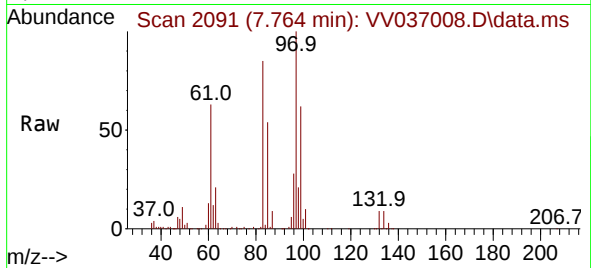
77 33.1 22.3 41.5





#45
1,1,2-Trichloroethane
Concen: 23.283 ug/L
RT: 7.764 min Scan# 2091
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

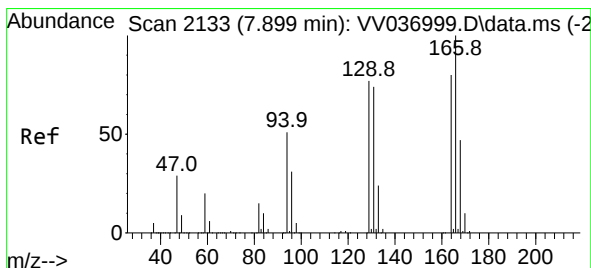
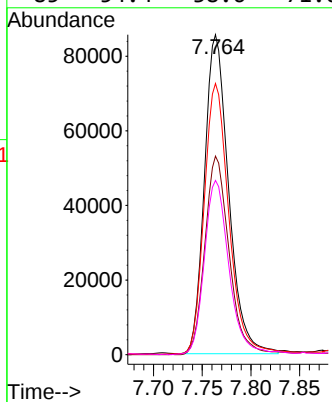
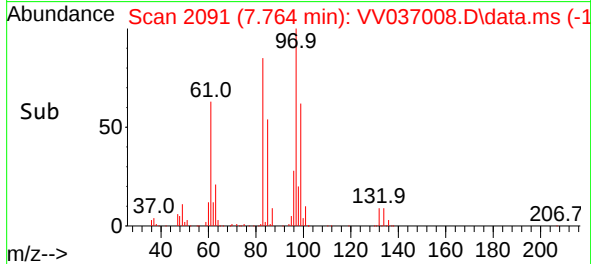
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



Tgt Ion:	97	Resp:	147619
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.5	80.9
83	84.8	60.3	111.9
85	54.4	38.6	71.6

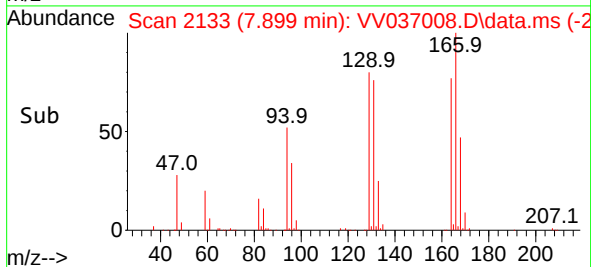
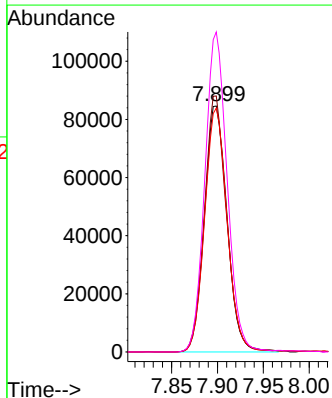
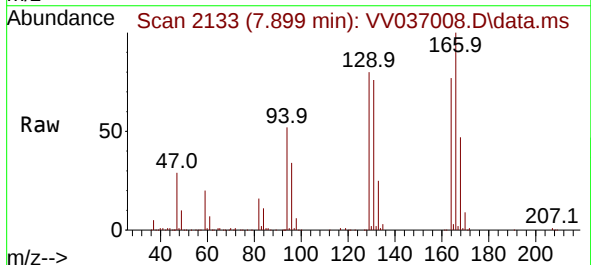
Manual Integrations
APPROVED

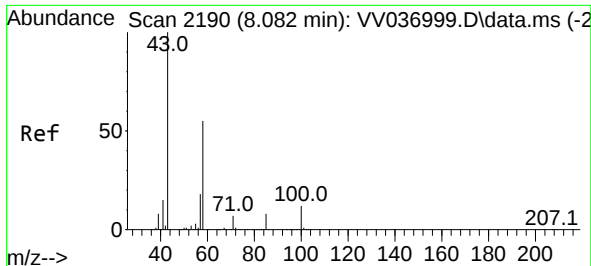
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#46
Tetrachloroethene
Concen: 18.212 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

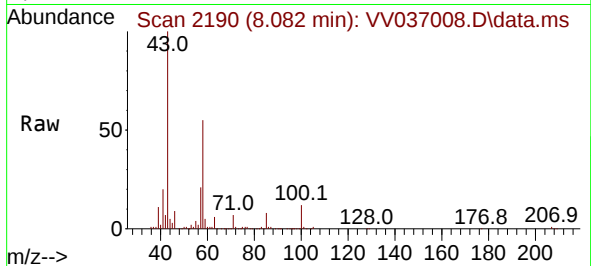
Tgt Ion:	164	Resp:	145376
Ion	Ratio	Lower	Upper
164	100		
129	104.0	67.3	124.9
131	99.1	64.8	120.3
166	130.1	87.3	162.1





#48
2-Hexanone
Concen: 37.577 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

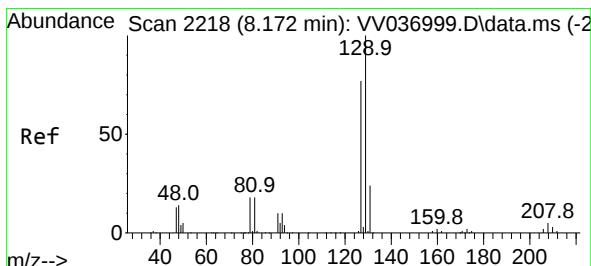
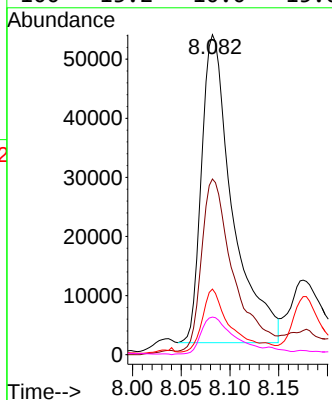
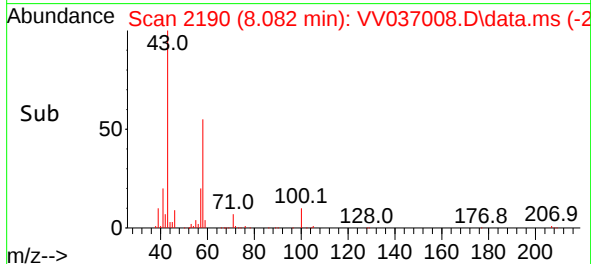
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



Tgt Ion: 43 Resp: 114825
Ion Ratio Lower Upper
43 100
58 58.0 47.9 71.9
57 17.7 15.1 22.7
100 13.2 10.0 15.0

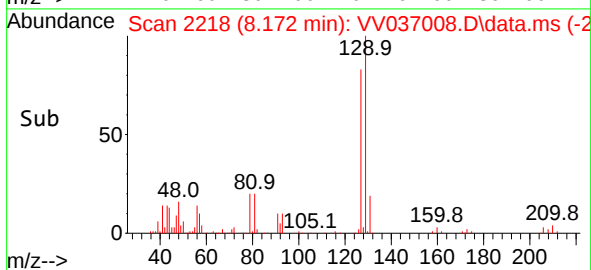
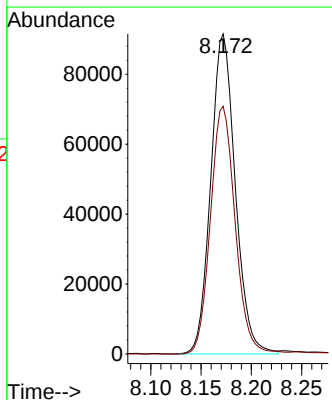
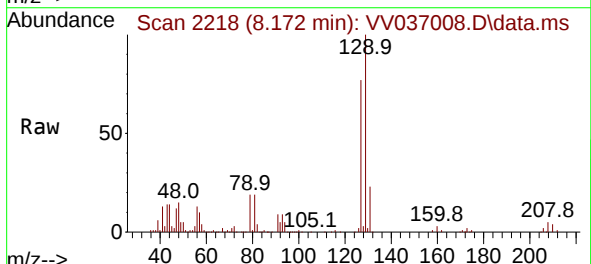
Manual Integrations
APPROVED

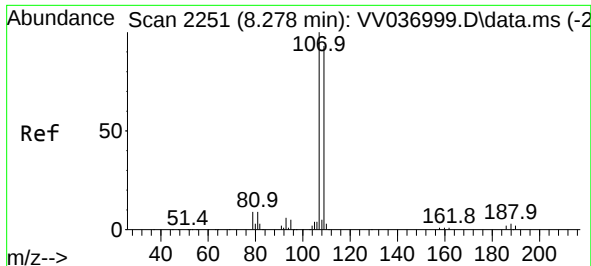
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#49
Dibromochloromethane
Concen: 22.316 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

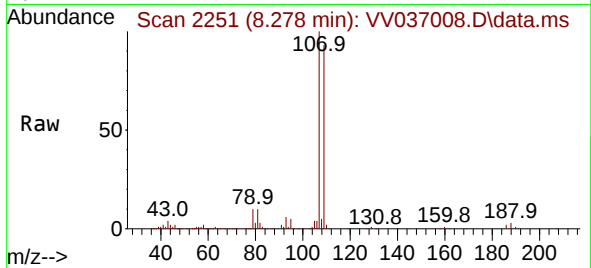
Tgt Ion:129 Resp: 155662
Ion Ratio Lower Upper
129 100
127 77.4 53.5 99.5





#50
1,2-Dibromoethane
Concen: 23.343 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

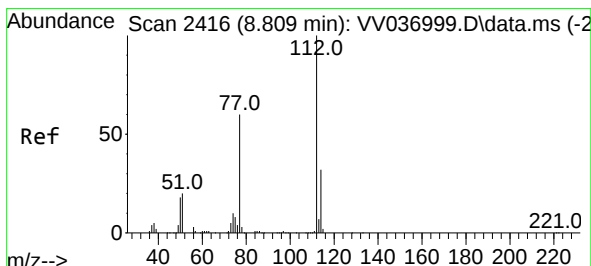
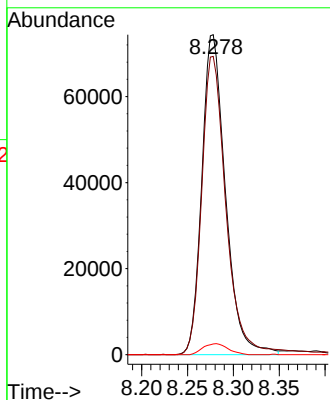
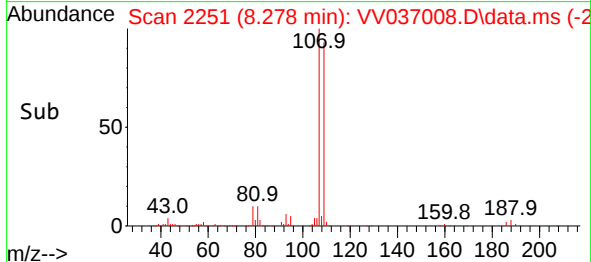
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



Tgt Ion:107 Resp: 13356
Ion Ratio Lower Upper
107 100
109 93.2 64.9 120.5
188 3.3 2.4 3.6

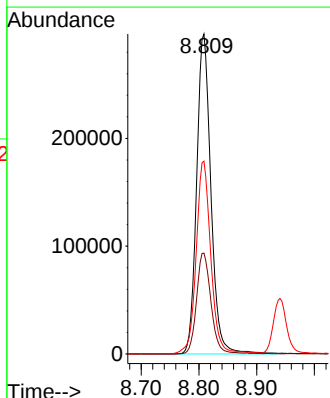
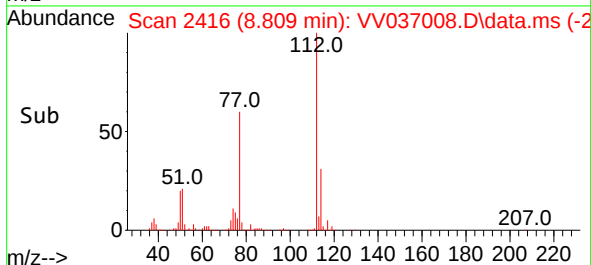
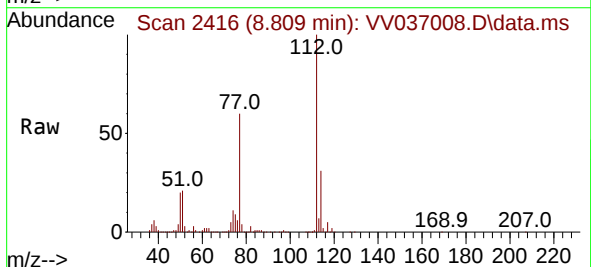
Manual Integrations
APPROVED

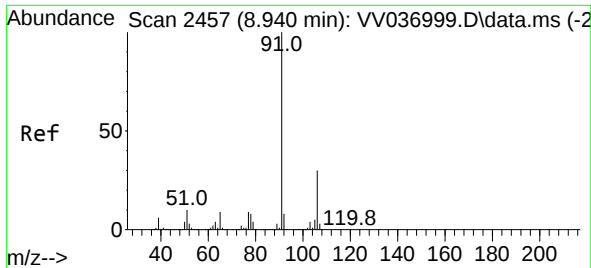
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#51
Chlorobenzene
Concen: 19.047 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Tgt Ion:112 Resp: 509627
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.3
77 60.3 48.2 72.2





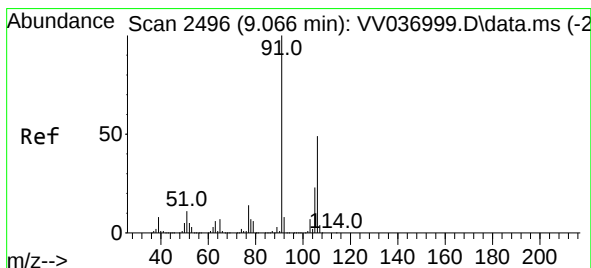
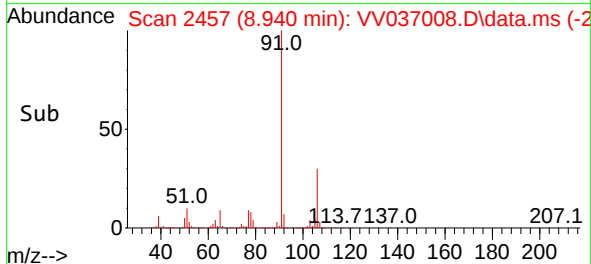
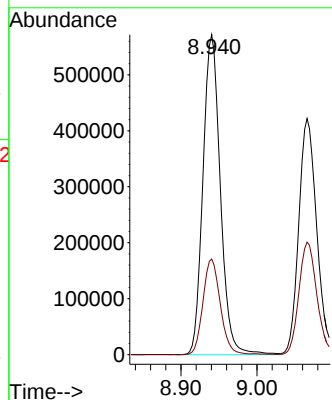
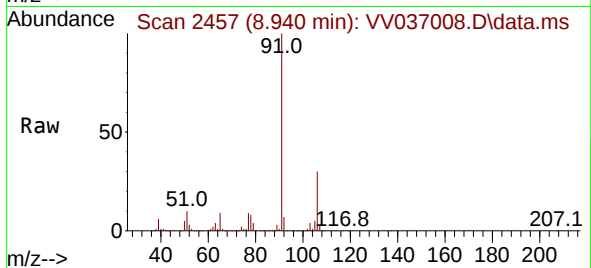
#52
Ethylbenzene
Concen: 19.210 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Instrument :
MSVOA_V
ClientSampleId :
GCN87MS

Tgt Ion: 91 Resp: 90756
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.5

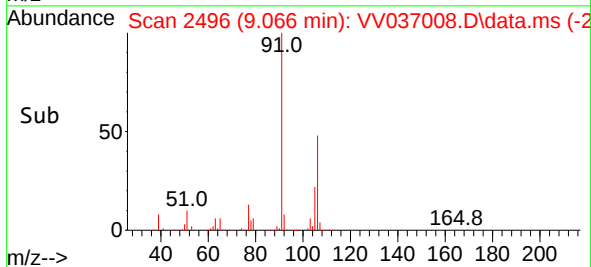
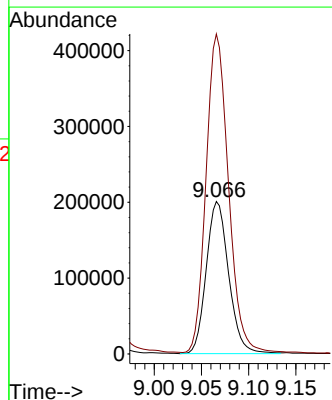
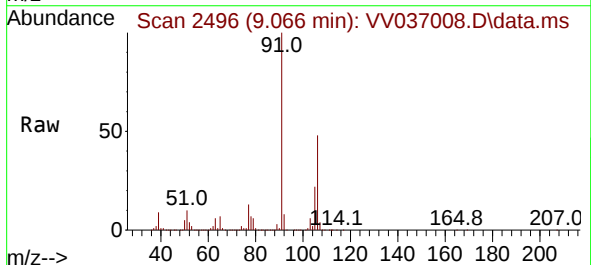
Manual Integrations
APPROVED

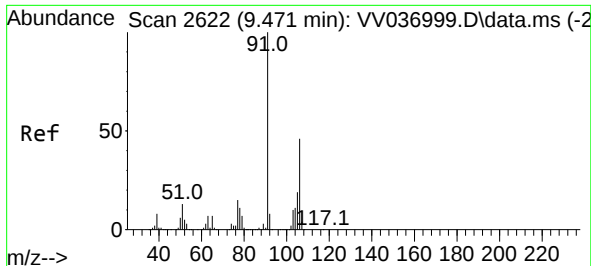
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#53
m,p-Xylene
Concen: 18.847 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Tgt Ion:106 Resp: 330813
Ion Ratio Lower Upper
106 100
91 209.9 142.4 264.4





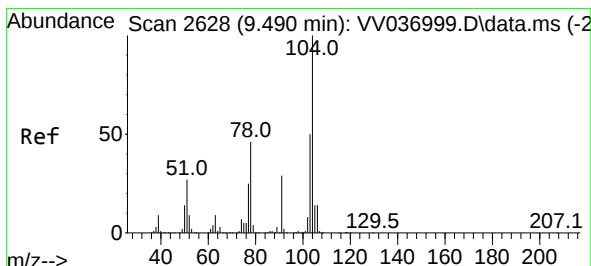
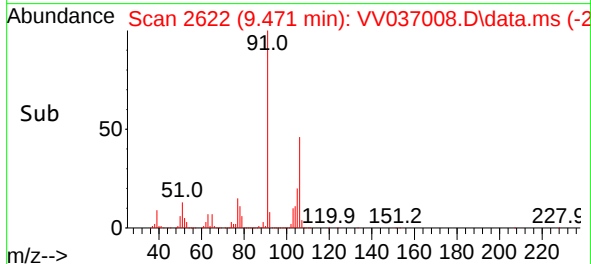
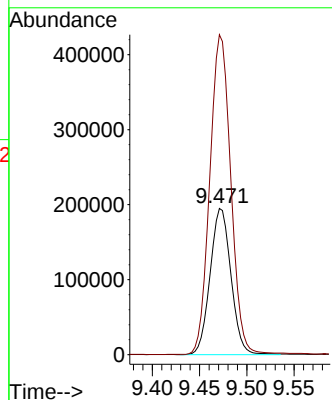
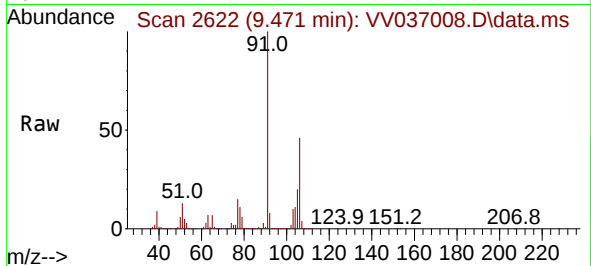
#54
o-Xylene
Concen: 17.867 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

Instrument :
MSVOA_V
ClientSampleId :
GCN87MS

Tgt Ion:106 Resp: 299584
Ion Ratio Lower Upper
106 100
91 218.7 152.8 283.8

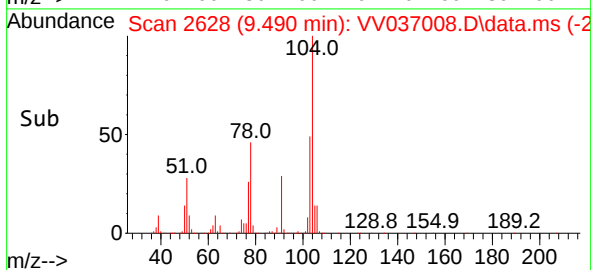
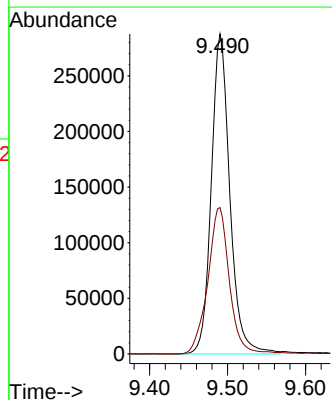
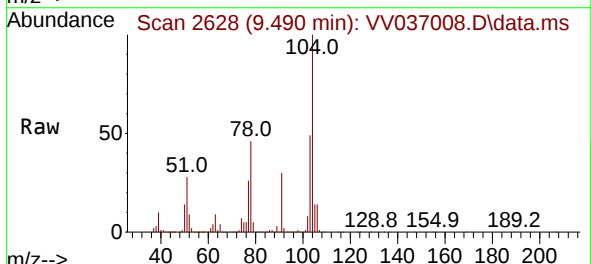
Manual Integrations
APPROVED

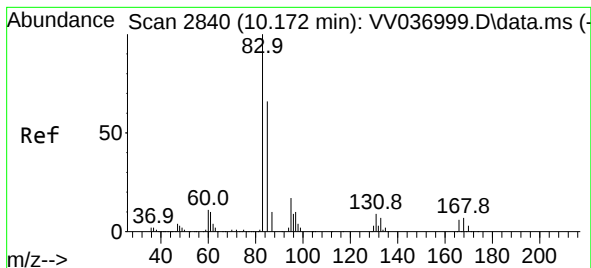
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#55
Styrene
Concen: 17.240 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

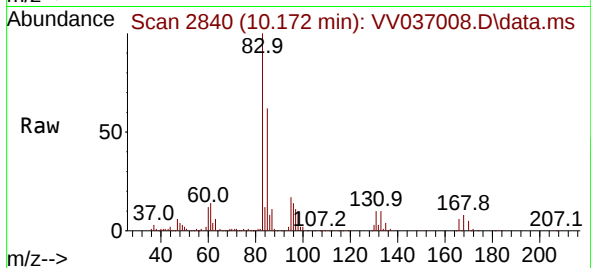
Tgt Ion:104 Resp: 477102
Ion Ratio Lower Upper
104 100
78 45.7 31.9 59.2





#57
1,1,2,2-Tetrachloroethane
Concen: 20.916 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

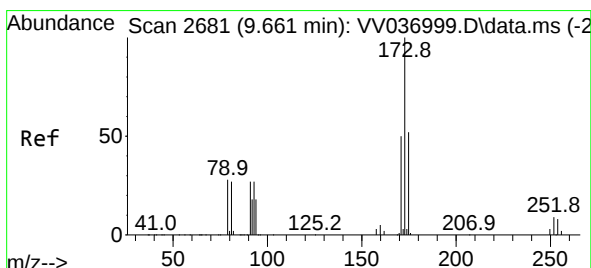
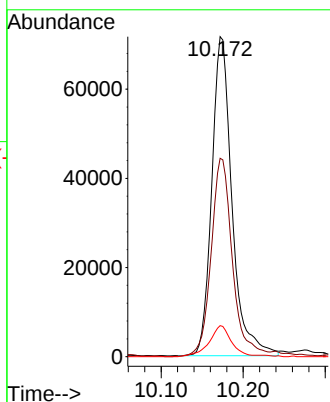
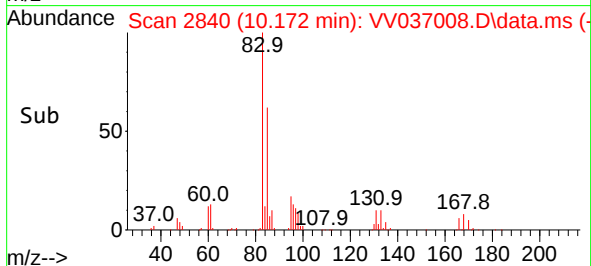
Instrument : MSVOA_V
ClientSampleId : GCN87MS



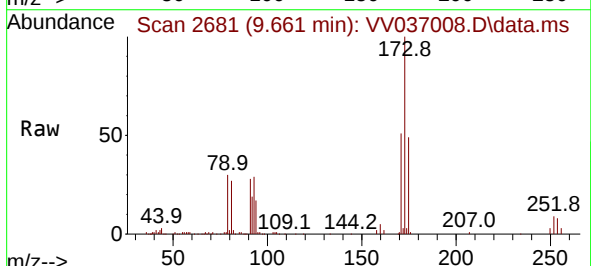
Tgt Ion: 83 Resp: 122769
Ion Ratio Lower Upper
83 100
85 62.0 46.4 86.2
131 9.7 7.6 11.4

Manual Integrations
APPROVED

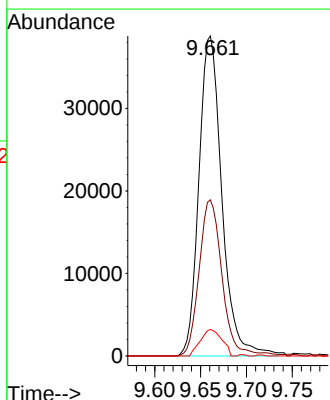
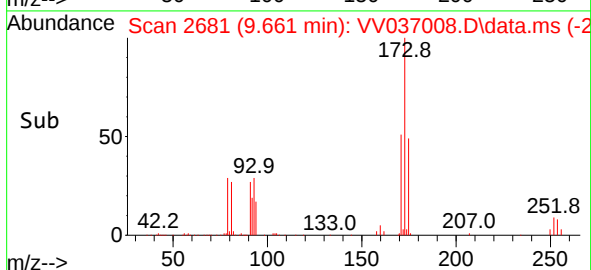
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

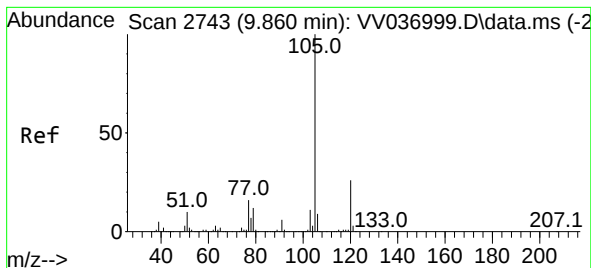


#59
Bromoform
Concen: 35.466 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29



Tgt Ion:173 Resp: 67613
Ion Ratio Lower Upper
173 100
175 48.0 40.1 60.1
254 7.7 6.2 9.4





#60

Isopropylbenzene

Concen: 26.981 ug/L

RT: 9.860 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

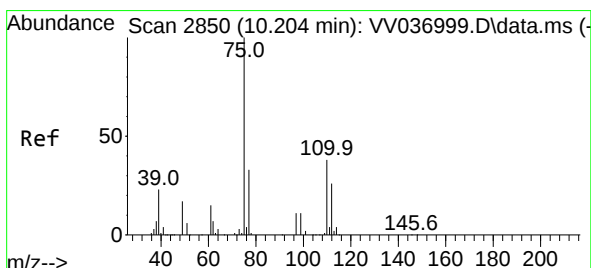
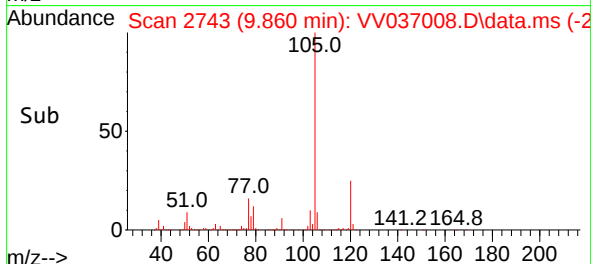
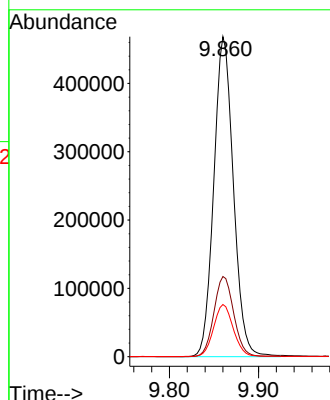
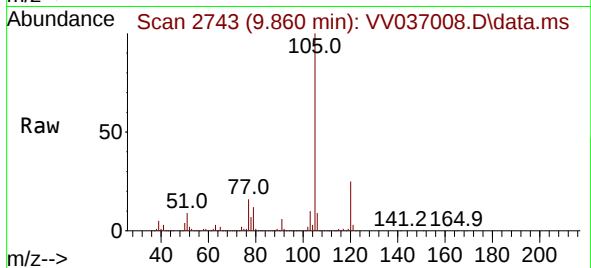
GCN87MS

Tgt Ion:	105	Resp:	716120
Ion Ratio	Lower	Upper	
105	100		
120	25.4	20.8	31.2
77	16.3	12.6	19.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#61

1,2,3-Trichloropropane

Concen: 38.000 ug/L

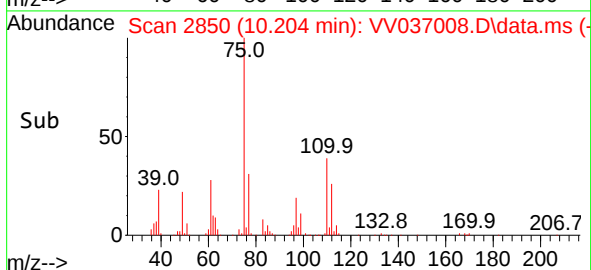
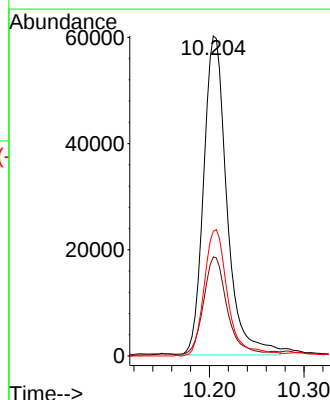
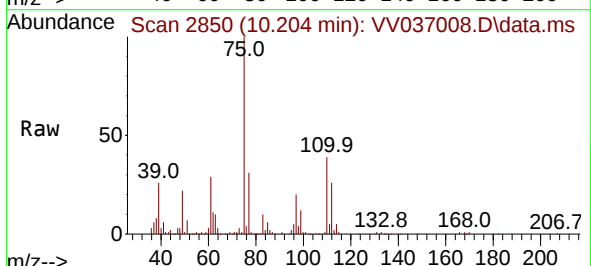
RT: 10.204 min Scan# 2850

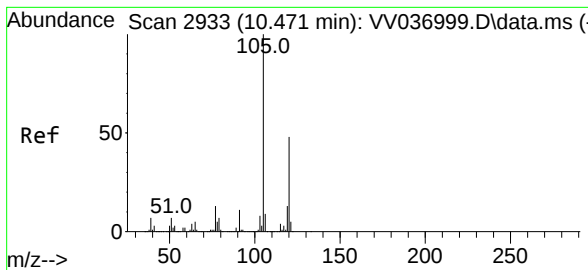
Delta R.T. 0.000 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

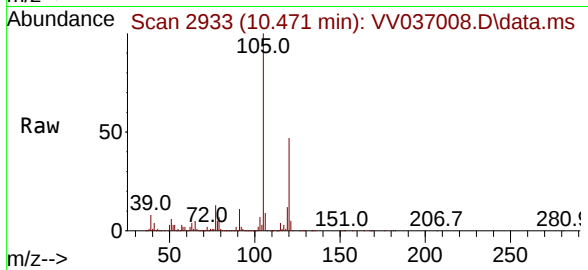
Tgt Ion:	75	Resp:	103150
Ion Ratio	Lower	Upper	
75	100		
77	30.2	25.5	38.3
110	40.4	31.0	46.4





#62
1,3,5-Trimethylbenzene
Concen: 22.338 ug/L
RT: 10.471 min Scan# 2933
Delta R.T. 0.000 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29

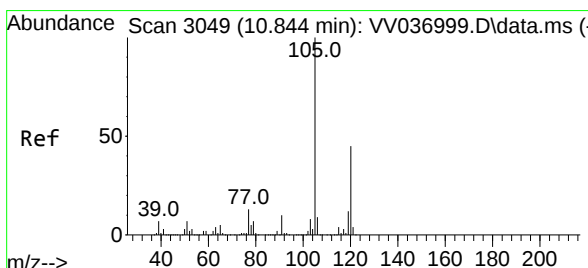
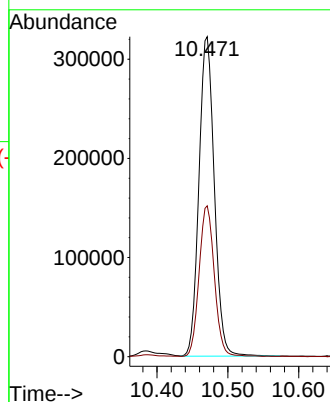
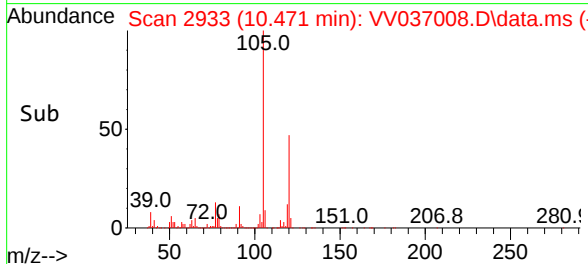
Instrument :
MSVOA_V
ClientSampleId :
GCN87MS



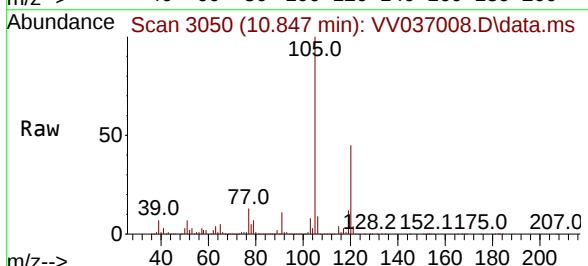
Tgt Ion:105 Resp: 485390
Ion Ratio Lower Upper
105 100
120 46.5 38.4 57.6

Manual Integrations
APPROVED

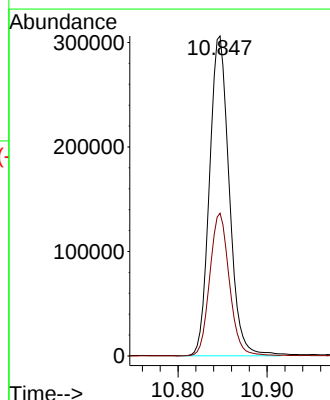
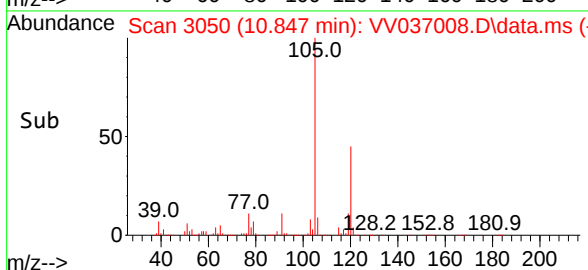
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

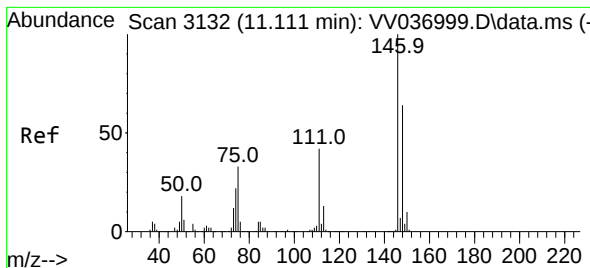


#63
1,2,4-Trimethylbenzene
Concen: 22.192 ug/L
RT: 10.847 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VV037008.D
Acq: 22 Aug 2024 15:29



Tgt Ion:105 Resp: 470030
Ion Ratio Lower Upper
105 100
120 44.4 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 19.514 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

GCN87MS

Tgt Ion:146 Resp: 221349

Ion Ratio Lower Upper

146 100

111 42.0 29.5 54.9

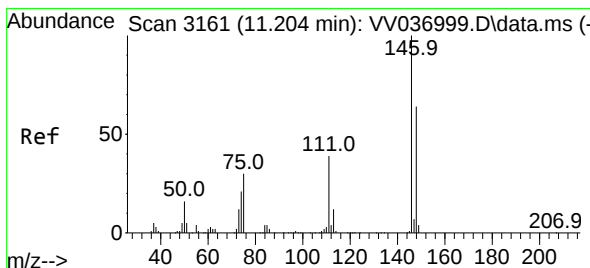
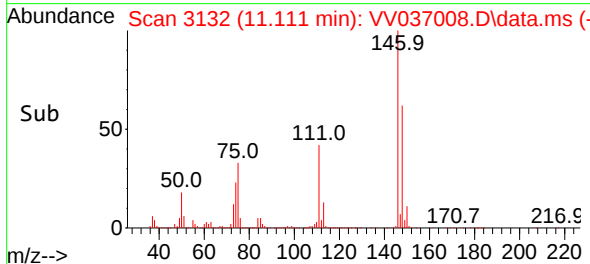
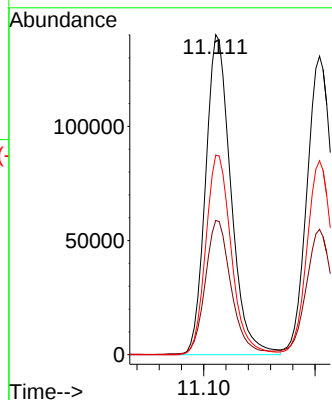
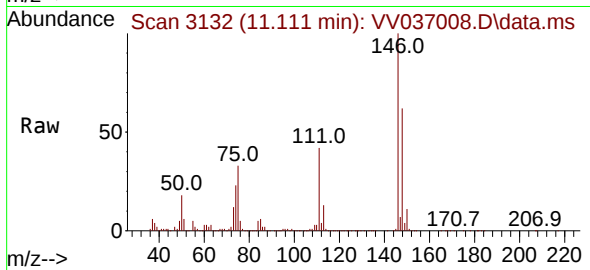
148 62.4 44.7 83.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024

Supervised By :Semsettin Yesilyurt 08/23/2024



#65

1,4-Dichlorobenzene

Concen: 19.294 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

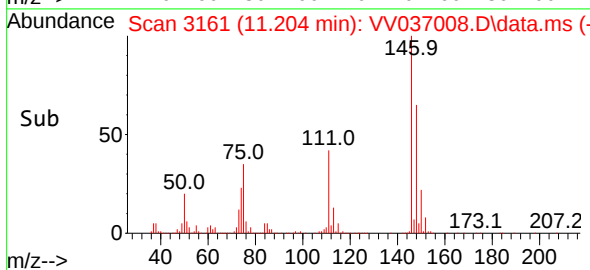
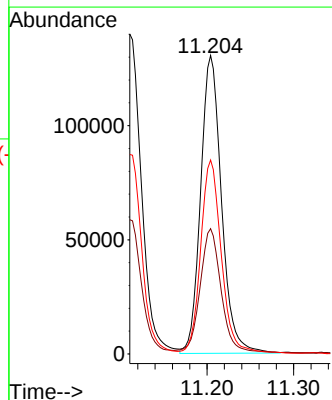
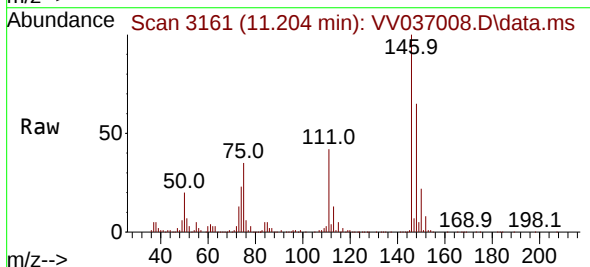
Tgt Ion:146 Resp: 218596

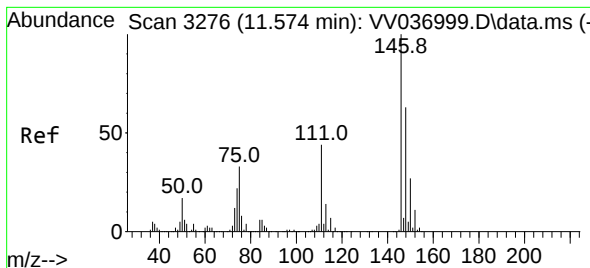
Ion Ratio Lower Upper

146 100

111 42.0 27.6 51.4

148 65.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 18.152 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

GCN87MS

Tgt Ion:146 Resp: 17839

Ion Ratio Lower Upper

146 100

111 44.5 35.4 53.0

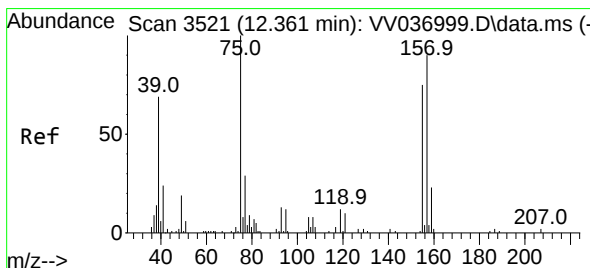
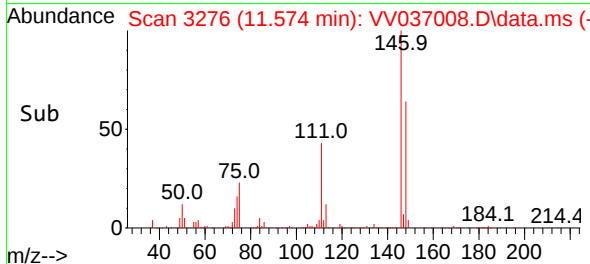
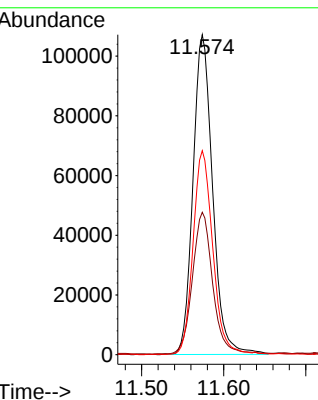
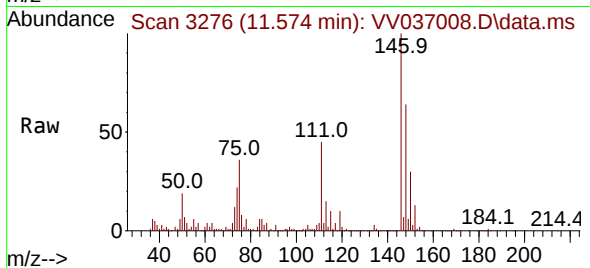
148 63.7 50.8 76.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024

Supervised By :Semsettin Yesilyurt 08/23/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 33.382 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

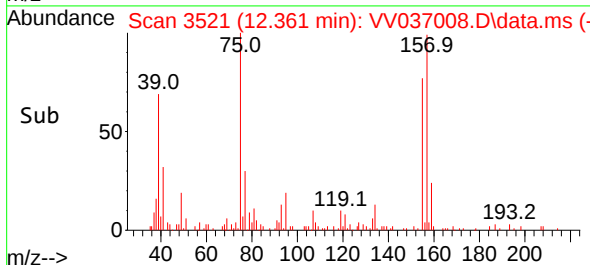
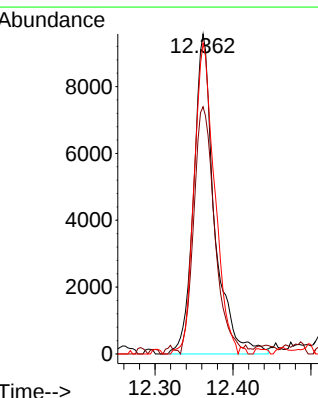
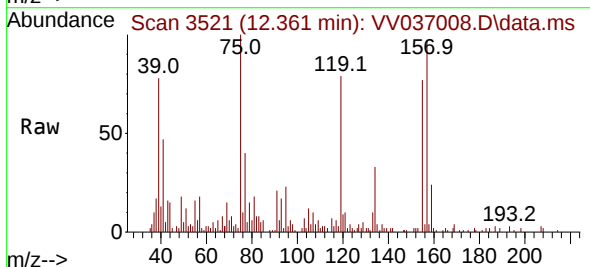
Tgt Ion: 75 Resp: 17708

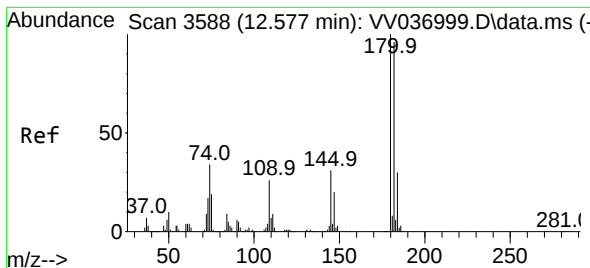
Ion Ratio Lower Upper

75 100

155 77.3 59.9 89.9

157 97.2 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 9.199 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

Lab File: VV037008.D

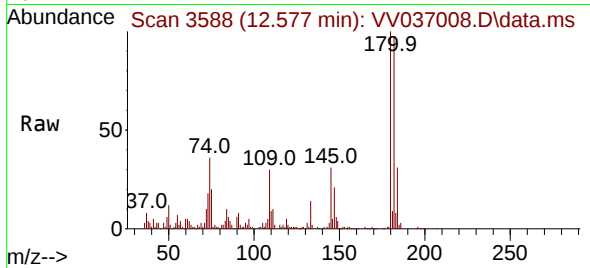
Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

GCN87MS



Tgt Ion:180 Resp: 72718

Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

184 31.1 24.2 36.4

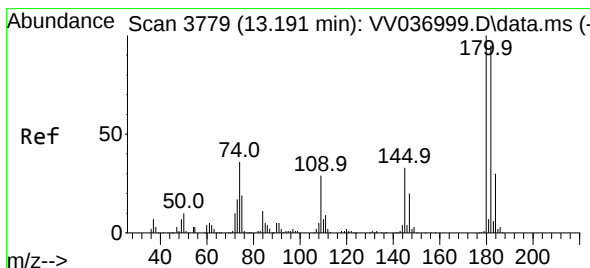
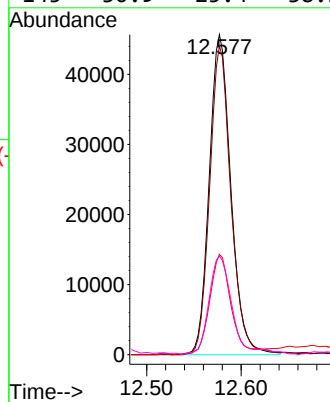
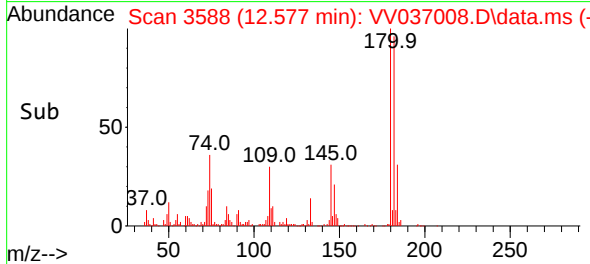
145 30.9 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024

Supervised By :Semsettin Yesilyurt 08/23/2024



#70

1,2,4-trichlorobenzene

Concen: 8.579 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

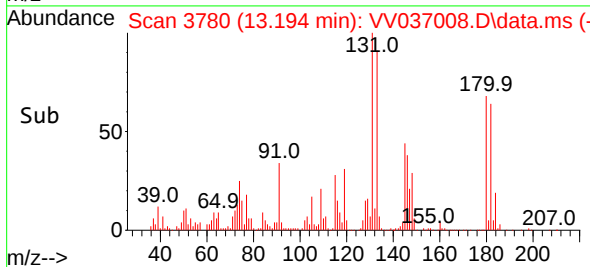
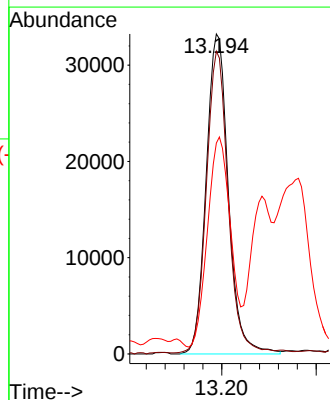
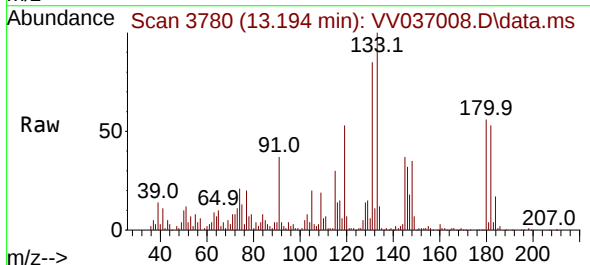
Tgt Ion:180 Resp: 54268

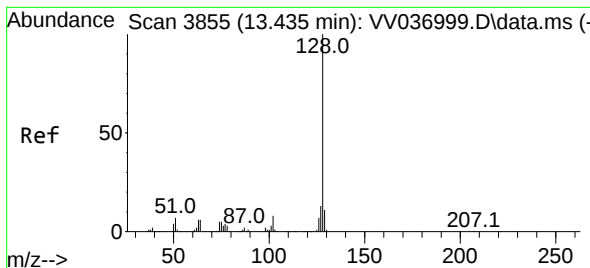
Ion Ratio Lower Upper

180 100

182 91.4 76.0 114.0

145 67.4 25.8 38.6#





#71

Naphthalene

Concen: 17.337 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Instrument :

MSVOA_V

ClientSampleId :

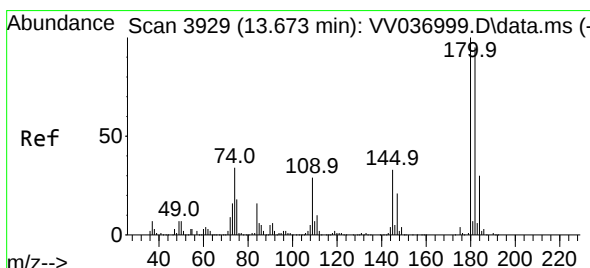
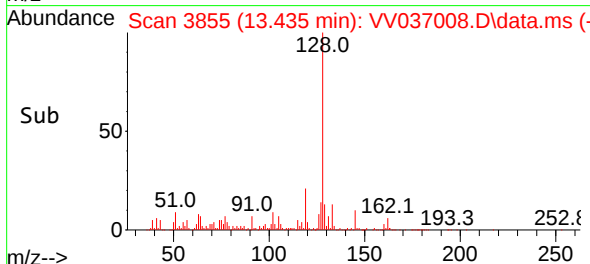
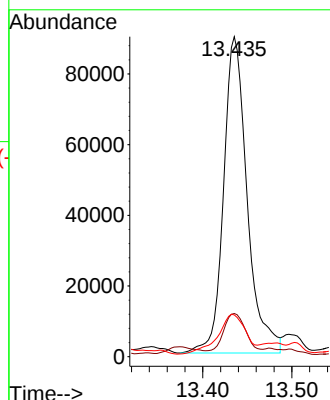
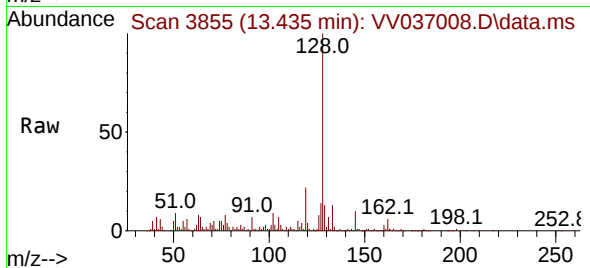
GCN87MS

Tgt Ion:	128	Resp:	165214
Ion Ratio	Lower	Upper	
128	100		
127	10.6	10.2	15.4
129	14.8	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#72

1,2,3-Trichlorobenzene

Concen: 7.387 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.003 min

Lab File: VV037008.D

Acq: 22 Aug 2024 15:29

Tgt Ion:	180	Resp:	38689
Ion Ratio	Lower	Upper	
180	100		
182	93.0	76.2	114.4
145	0.0	26.6	40.0

