

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062424\
 Data File : VW036251.D
 Acq On : 24 Jun 2024 17:10
 Operator : SY/MD
 Sample : P2987-17REMS
 Misc : 4.78g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0TA5REMS

Quant Time: Jun 25 04:59:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 04:55:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	551767	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	568094	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	311205	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	177444	17.492	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.960%
7) Chloroethane-d5	1.529	69	151031	18.672	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.680%
11) 1,1-Dichloroethene-d2	2.053	65	84868	18.793	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.160%
21) 2-Butanone-d5	3.834	46	80396	34.542	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.080%
24) Chloroform-d	4.243	84	337860	19.260	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.040%
26) 1,2-Dichloroethane-d4	4.937	65	180578	19.634	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.520%
32) Benzene-d6	4.953	84	654569	19.384	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.520%
36) 1,2-Dichloropropane-d6	5.985	67	201726	18.970	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.880%
41) Toluene-d8	7.239	98	611982	20.539	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.160%
43) trans-1,3-Dichloroprop...	7.551	79	84752	19.437	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.760%
47) 2-Hexanone-d5	8.030	63	57913	40.196	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.400%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	159899	20.122	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.480%
66) 1,2-Dichlorobenzene-d4	11.558	152	222986	19.539	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	113981	11.457	ug/L	99
3) Chloromethane	1.211	50	128475	11.252	ug/L	98
5) Vinyl chloride	1.278	62	146536	12.191	ug/L	99
6) Bromomethane	1.484	94	102359	13.727	ug/L	99
8) Chloroethane	1.545	64	96341	12.895	ug/L	100
9) Trichlorofluoromethane	1.709	101	209806	14.055	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	136743	14.434	ug/L	100
12) 1,1-Dichloroethene	2.063	96	124587	14.100	ug/L	88
13) Acetone	2.146	43	75597	20.851	ug/L	97
14) Carbon disulfide	2.233	76	367198	11.967	ug/L	99
15) Methyl Acetate	2.388	43	55639	12.347	ug/L	96
16) Methylene chloride	2.442	84	157496	12.614	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	121631	12.959	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	296731	14.082	ug/L	99
19) 1,1-Dichloroethane	3.108	63	238041	13.318	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	124884	13.242	ug/L	100
22) 2-Butanone	3.915	43	72641m	23.613	ug/L	
23) Bromochloromethane	4.143	128	68106	14.396	ug/L	96
25) Chloroform	4.272	83	258208	14.043	ug/L	100

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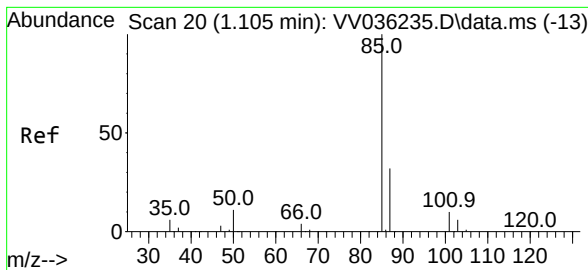
Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	168440	14.674	ug/L	100
29) Cyclohexane	4.577	56	153879	11.377	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	207427	13.356	ug/L	99
31) Carbon tetrachloride	4.728	117	181466	13.319	ug/L	99
33) Benzene	5.005	78	515455	13.873	ug/L	100
34) Trichloroethene	5.828	95	148357	13.028	ug/L	99
35) Methylcyclohexane	6.047	83	189552	12.037	ug/L	98
37) 1,2-Dichloropropane	6.092	63	136784	14.020	ug/L	98
38) Bromodichloromethane	6.429	83	185631	14.375	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	203165	13.923	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	148017	27.925	ug/L	99
42) Toluene	7.313	91	552610	14.555	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	185433	14.712	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	115597	14.320	ug/L	99
46) Tetrachloroethene	7.902	164	105648	12.685	ug/L	99
48) 2-Hexanone	8.079	43	106656	25.738	ug/L	98
49) Dibromochloromethane	8.175	129	128327	14.525	ug/L	100
50) 1,2-Dibromoethane	8.281	107	110523	14.269	ug/L	97
51) Chlorobenzene	8.812	112	363328	14.045	ug/L	98
52) Ethylbenzene	8.944	91	567542	13.972	ug/L	98
53) m,p-Xylene	9.072	106	217277	14.236	ug/L	99
54) o-Xylene	9.477	106	199814	13.882	ug/L	99
55) Styrene	9.493	104	390596	15.389	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	109763	15.185	ug/L	99
59) Bromoform	9.664	173	83036	14.148	ug/L	98
60) Isopropylbenzene	9.866	105	531882	13.322	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	102990	13.993	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	369412	12.760	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	431022	13.818	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	283185	13.506	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	303010	14.001	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	280435	14.213	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	24097	14.641	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	192959	12.303	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	156037	12.635	ug/L	99
71) Naphthalene	13.439	128	314970	15.629	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	154789	13.736	ug/L	98

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



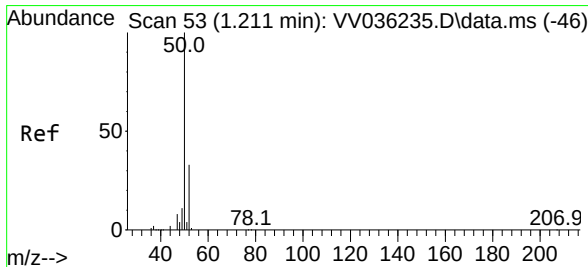
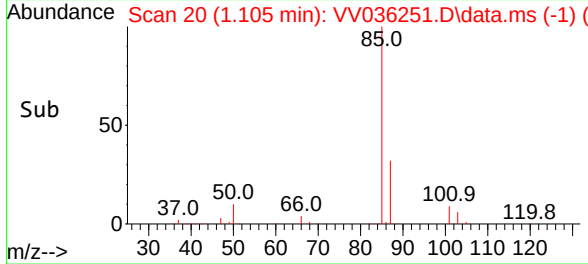
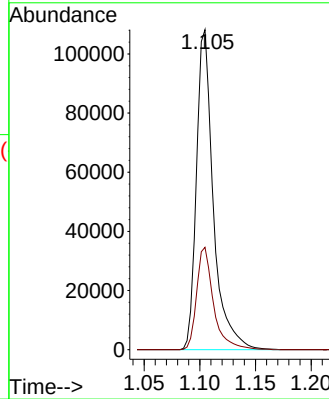
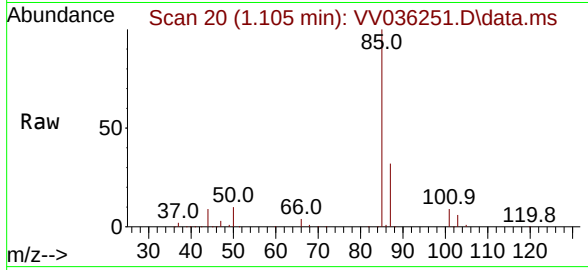
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 Dichlorodifluoromethane
 Concen: 11.457 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV036251.D
 Acq: 24 Jun 2024 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 C0TA5REMS

Tgt Ion: 85 Resp: 11398
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9

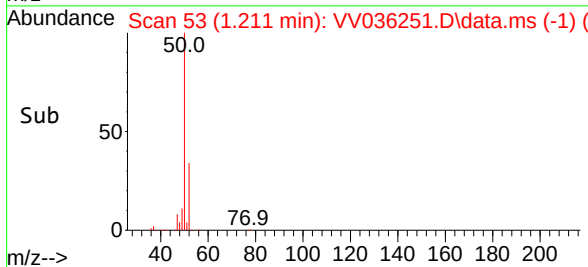
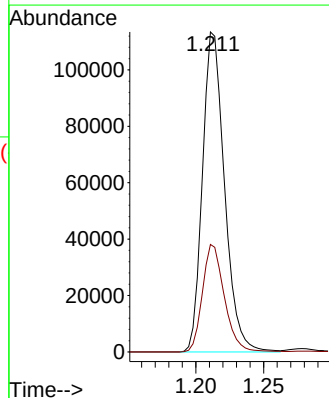
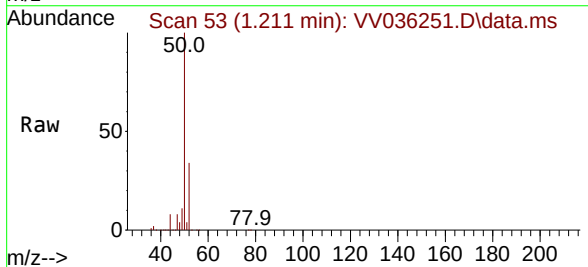
Manual Integrations
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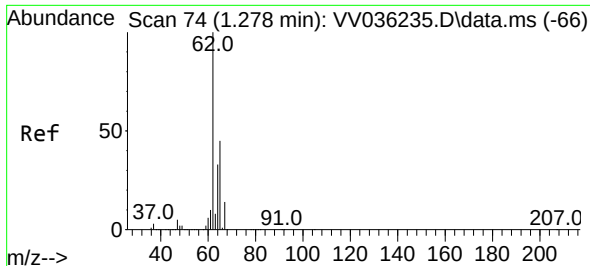
Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024



#3
 Chloromethane
 Concen: 11.252 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036251.D
 Acq: 24 Jun 2024 17:10

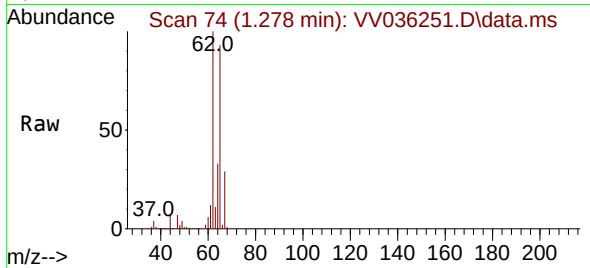
Tgt Ion: 50 Resp: 128475
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.8 42.4





#5
 Vinyl chloride
 Concen: 12.191 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VV036251.D
 Acq: 24 Jun 2024 17:10

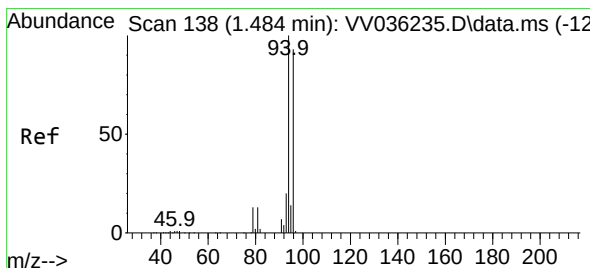
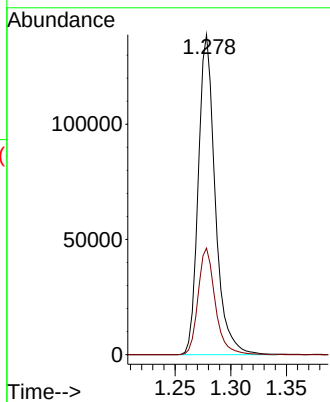
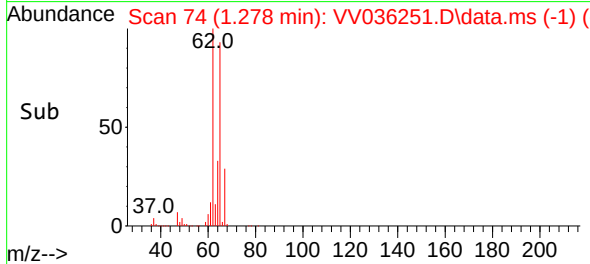
Instrument :
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 ClientSampleId :
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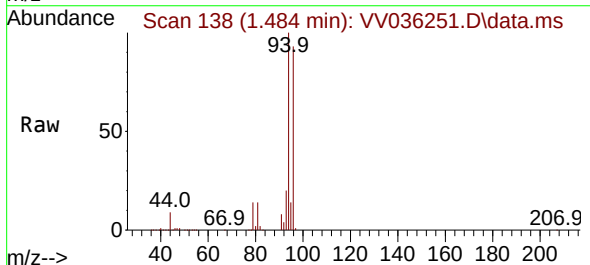
Tgt Ion: 62 Resp: 146530
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.9 42.5

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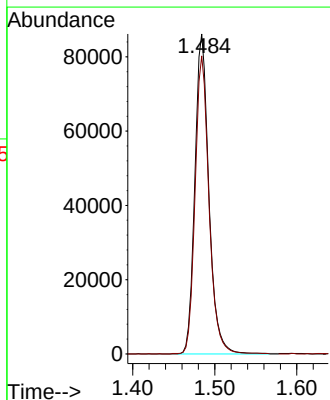
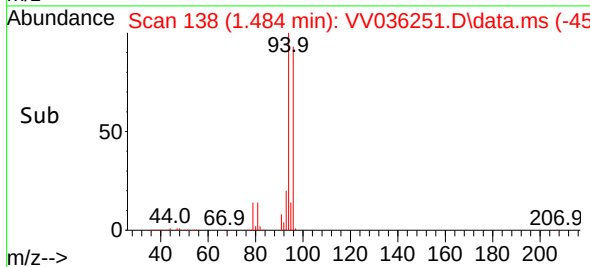
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 Supervised By :Semsettin Yesilyurt 06/26/2024

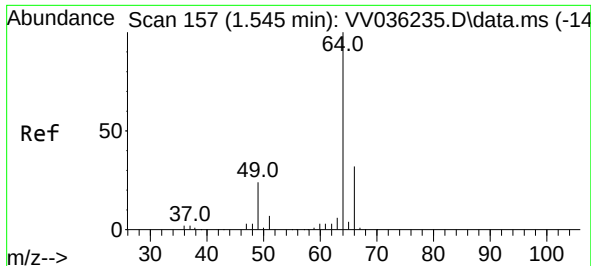


#6
 Bromomethane
 Concen: 13.727 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV036251.D
 Acq: 24 Jun 2024 17:10



Tgt Ion: 94 Resp: 102359
 Ion Ratio Lower Upper
 94 100
 96 93.2 65.7 122.1





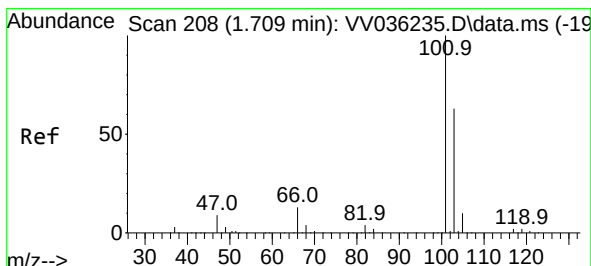
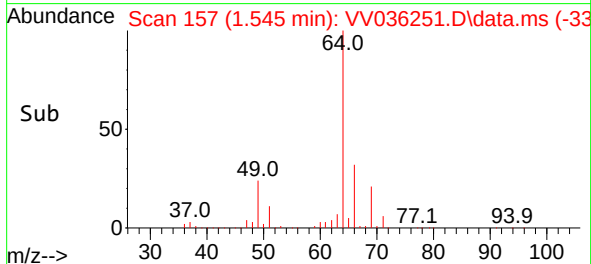
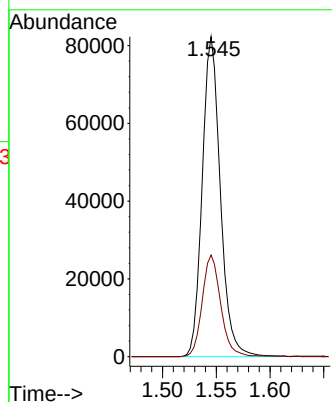
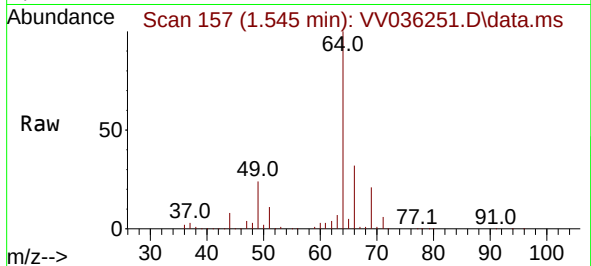
#8
Chloroethane
Concen: 12.895 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS

Tgt Ion: 64 Resp: 9634
Ion Ratio Lower Upper
64 100
66 31.8 22.0 41.0

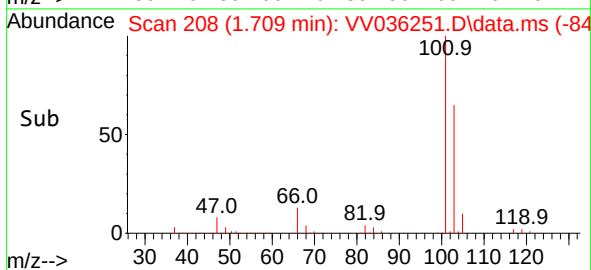
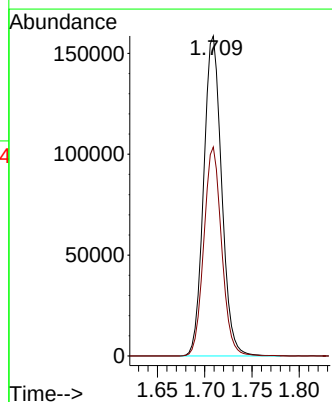
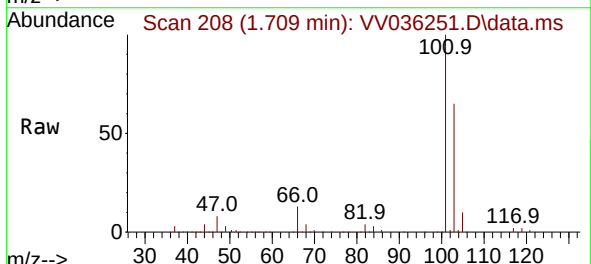
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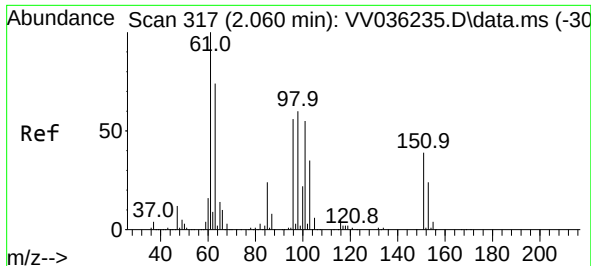
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#9
Trichlorofluoromethane
Concen: 14.055 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion:101 Resp: 209806
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8





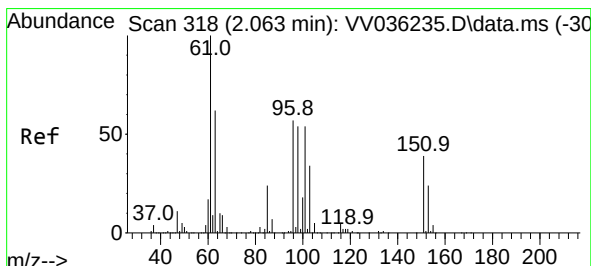
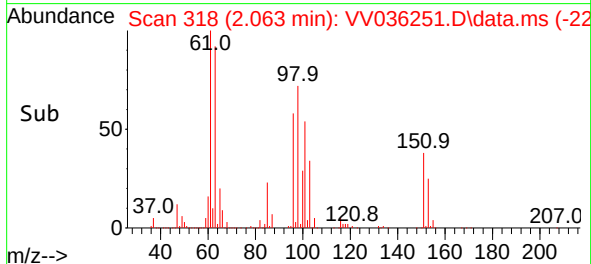
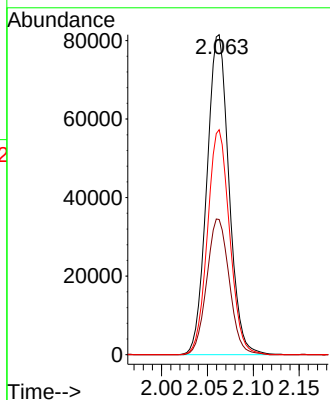
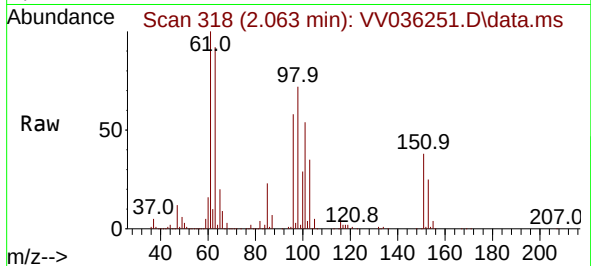
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 14.434 ug/L
RT: 2.063 min Scan# 317
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS

Tgt Ion:101 Resp: 13674
Ion Ratio Lower Upper
101 100
85 43.2 34.5 51.7
151 70.4 56.3 84.5

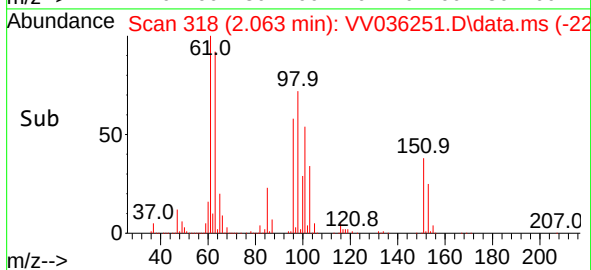
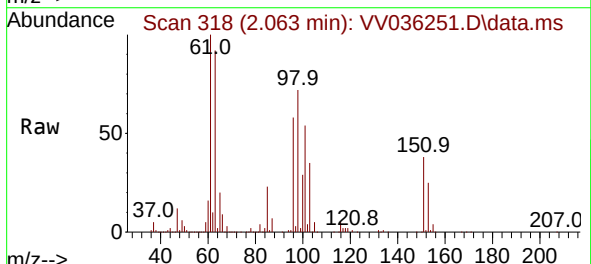
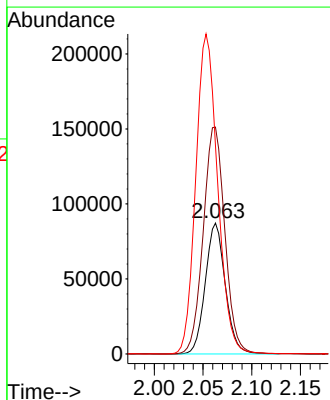
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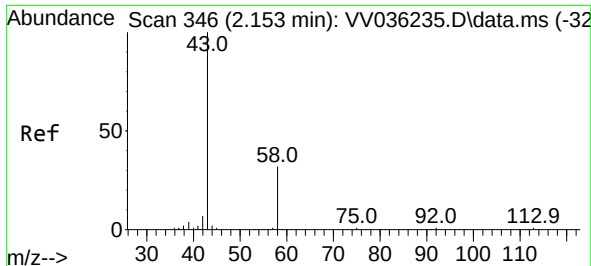
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#12
1,1-Dichloroethene
Concen: 14.100 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion: 96 Resp: 124587
Ion Ratio Lower Upper
96 100
61 173.2 127.3 236.3
63 159.0 93.7 173.9





#13

Acetone

Concen: 20.851 ug/L

RT: 2.146 min Scan# 34

Delta R.T. -0.006 min

Lab File: VV036251.D

Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

C0TA5REMS

Tgt Ion: 43 Resp: 7559

Ion Ratio Lower Upper

43 100

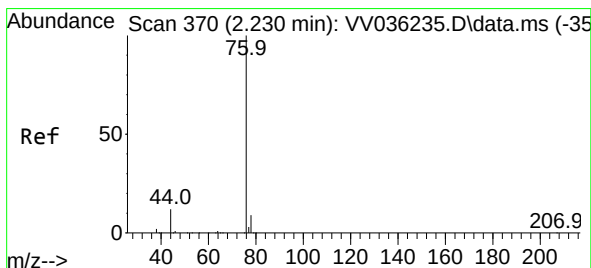
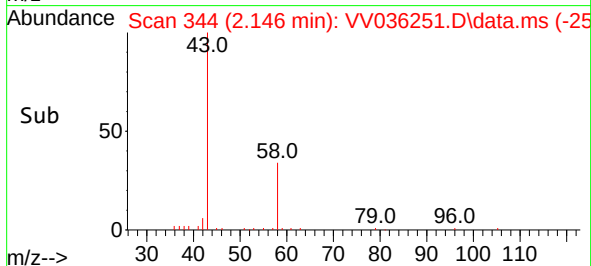
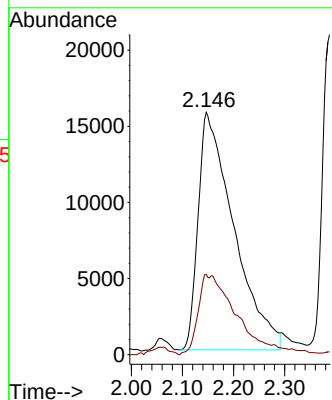
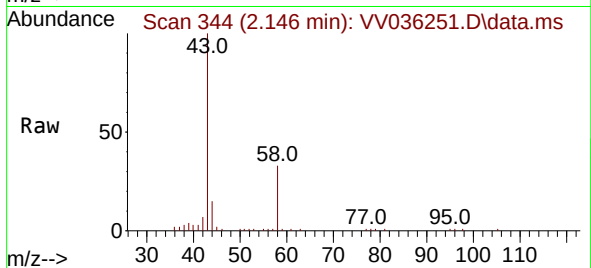
58 11.0 0.0 24.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 06/26/2024



#14

Carbon disulfide

Concen: 11.967 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV036251.D

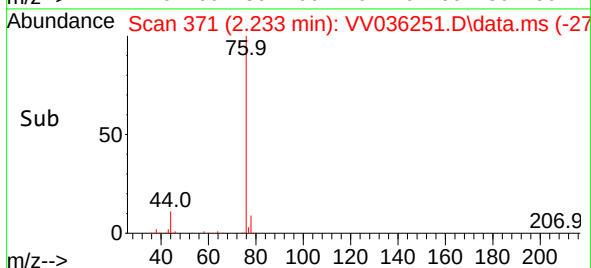
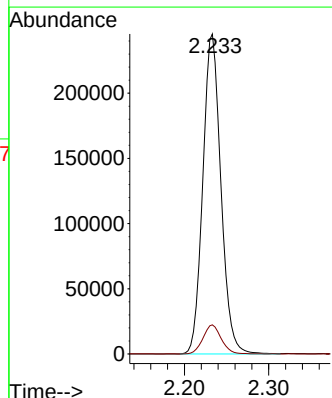
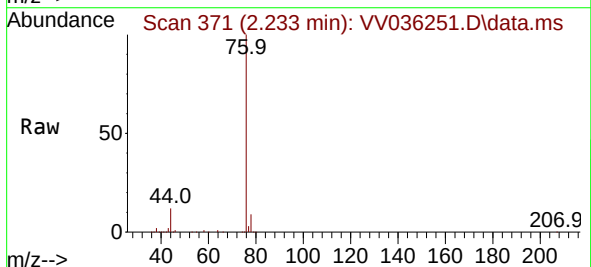
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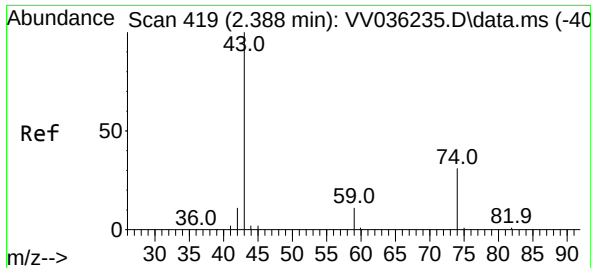
Tgt Ion: 76 Resp: 367198

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15
Methyl Acetate
Concen: 12.347 ug/L
RT: 2.388 min Scan# 419
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

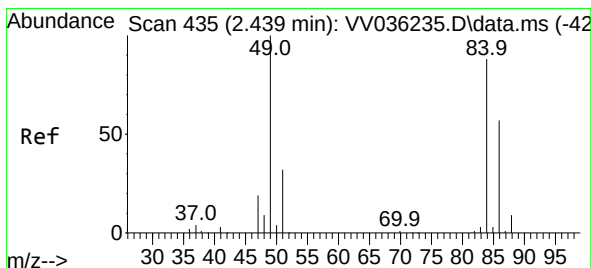
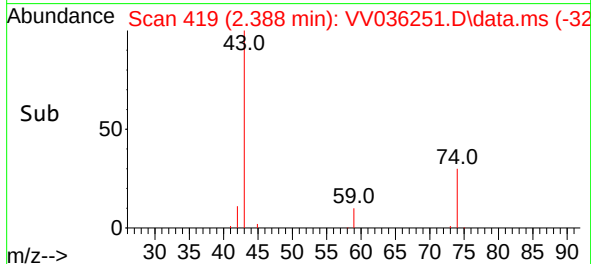
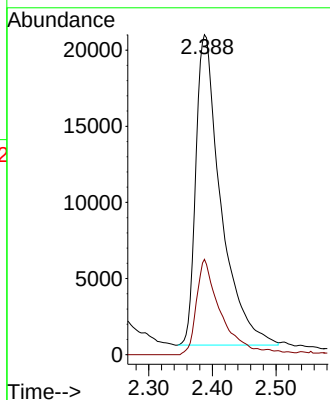
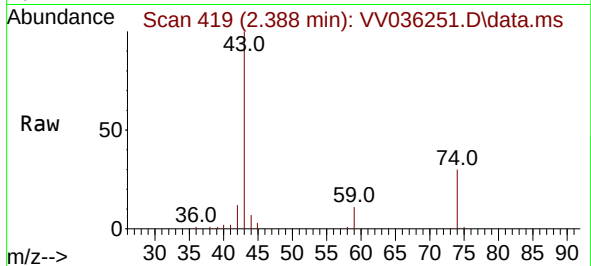
ClientSampleId :

C0TA5REMS

Tgt Ion: 43 Resp: 55639
Ion Ratio Lower Upper
43 100
74 28.8 21.4 32.2

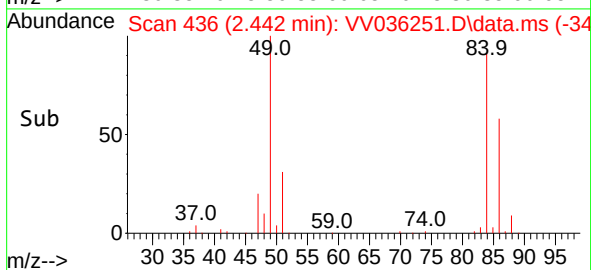
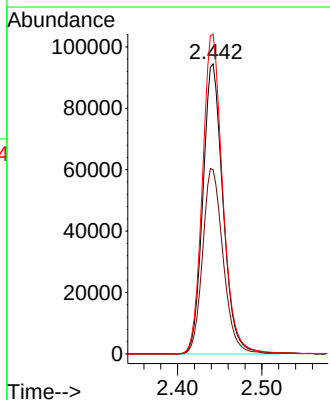
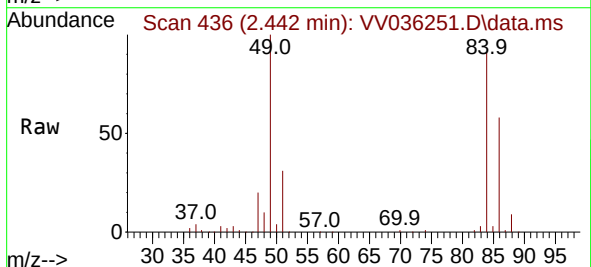
Manual Integrations
APPROVED

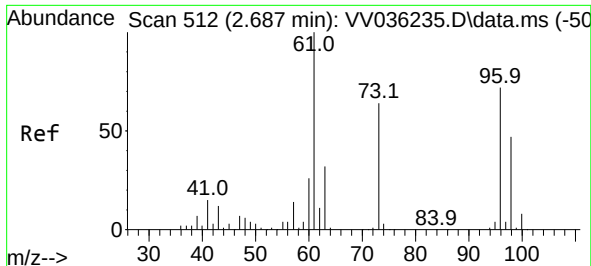
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#16
Methylene chloride
Concen: 12.614 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

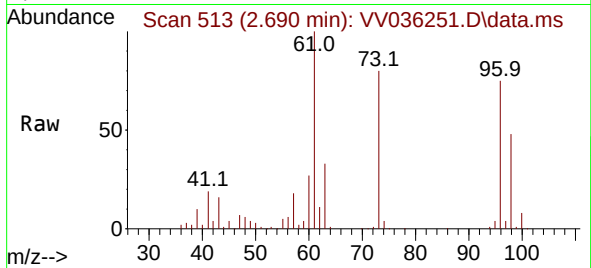
Tgt Ion: 84 Resp: 157496
Ion Ratio Lower Upper
84 100
86 63.5 44.6 82.8
49 110.3 81.1 150.5





#17
trans-1,2-Dichloroethene
Concen: 12.959 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

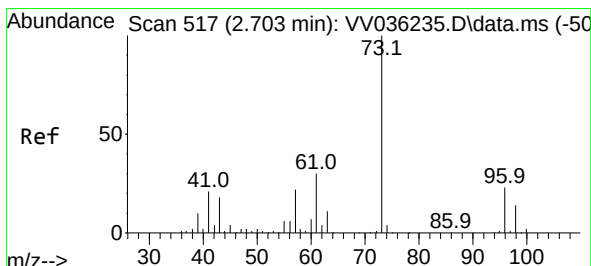
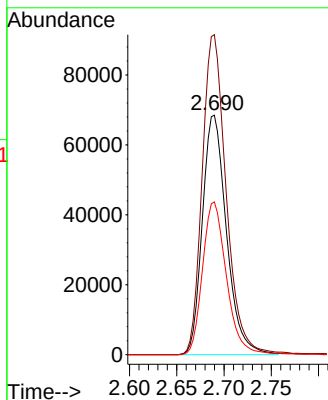
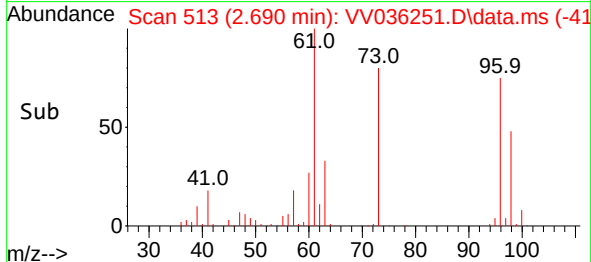
Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS



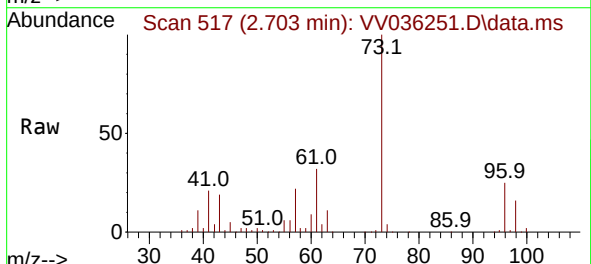
Tgt Ion: 96 Resp: 121631
Ion Ratio Lower Upper
96 100
61 133.6 99.4 184.6
98 63.8 44.9 83.3

Manual Integrations
APPROVED

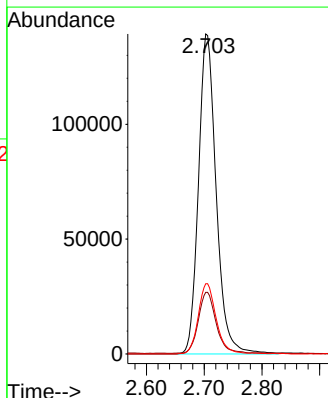
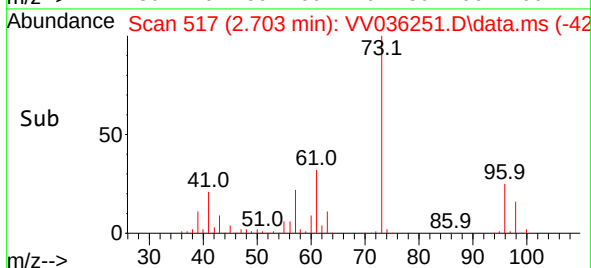
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024

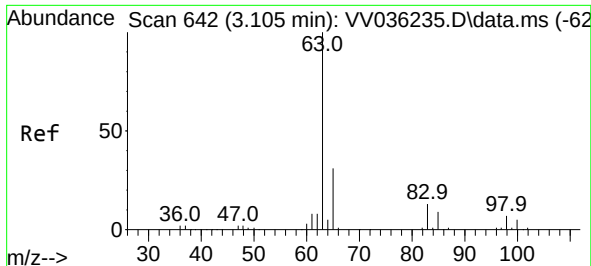


#18
Methyl tert-butyl Ether
Concen: 14.082 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10



Tgt Ion: 73 Resp: 296731
Ion Ratio Lower Upper
73 100
43 19.1 14.3 21.5
57 22.1 17.8 26.6





#19
1,1-Dichloroethane
Concen: 13.318 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

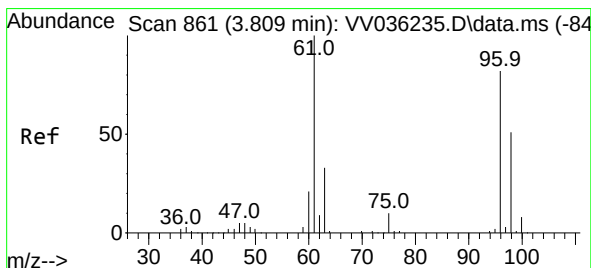
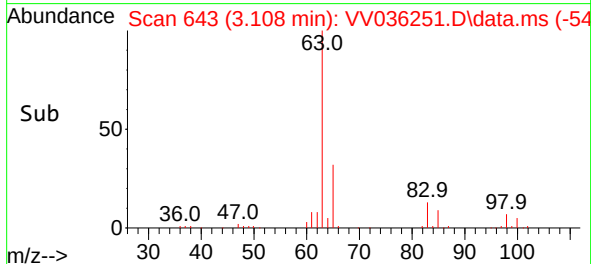
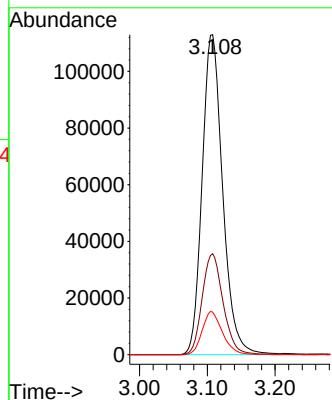
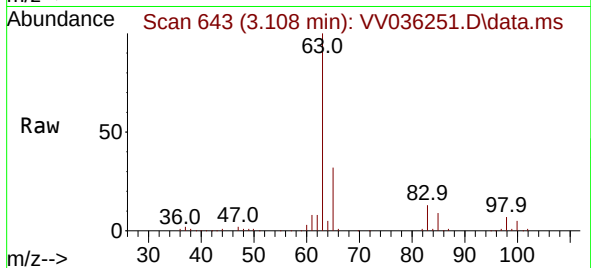
C0TA5REMS

Tgt Ion: 63 Resp: 23804
Ion Ratio Lower Upper
63 100
65 31.6 22.4 41.6
83 13.3 9.2 17.0

Manual Integrations

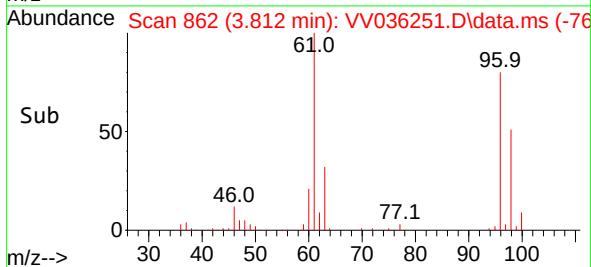
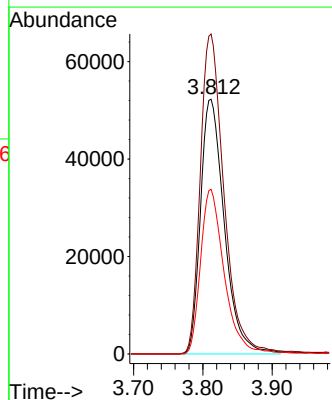
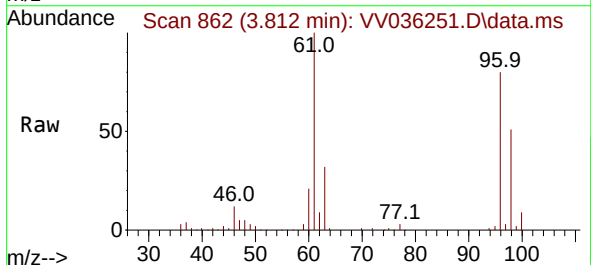
APPROVED

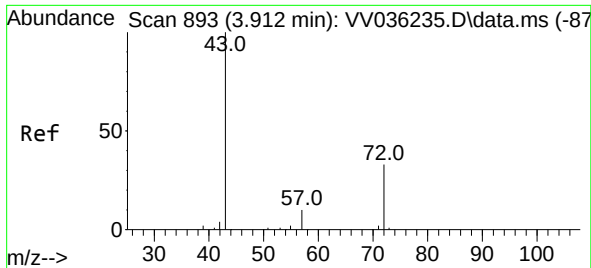
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#20
cis-1,2-Dichloroethene
Concen: 13.242 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion: 96 Resp: 124884
Ion Ratio Lower Upper
96 100
61 125.6 87.9 163.3
98 64.6 44.4 82.5





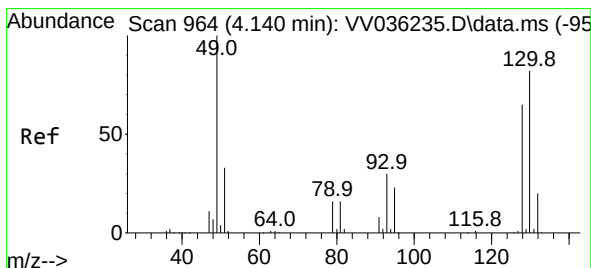
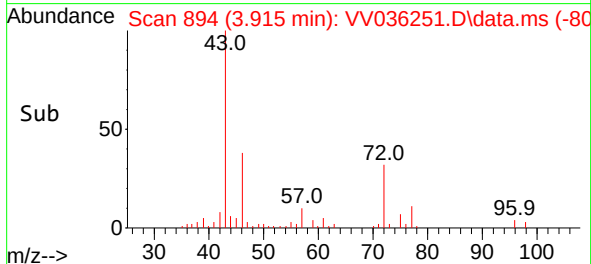
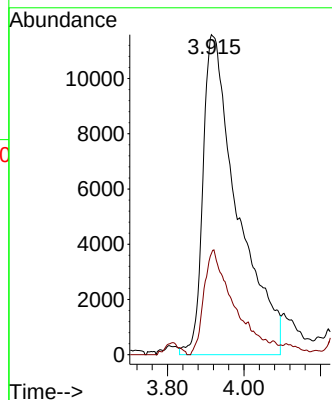
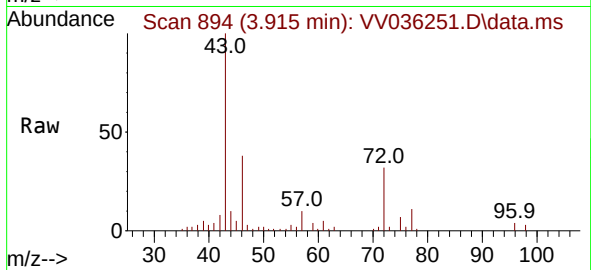
#22
2-Butanone
Concen: 23.613 ug/L m
RT: 3.915 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS

Tgt Ion: 43 Resp: 7264
Ion Ratio Lower Upper
43 100
72 24.7 8.2 24.4

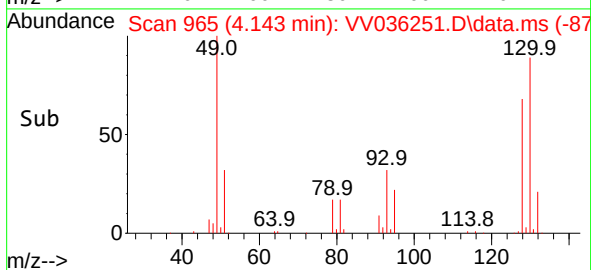
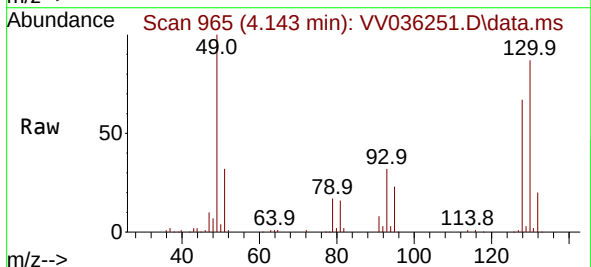
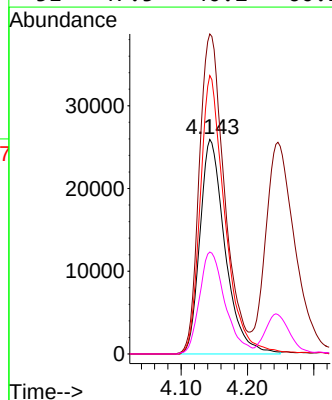
Manual Integrations
APPROVED

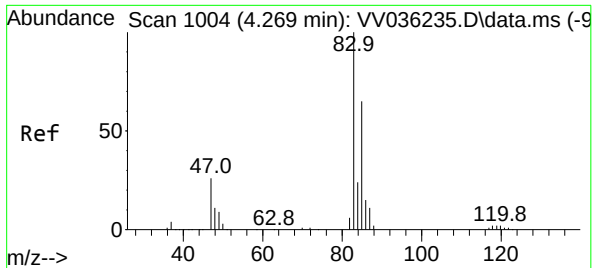
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#23
Bromochloromethane
Concen: 14.396 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion:128 Resp: 68106
Ion Ratio Lower Upper
128 100
49 149.1 110.2 204.6
130 129.7 90.2 167.4
51 47.5 40.2 60.2





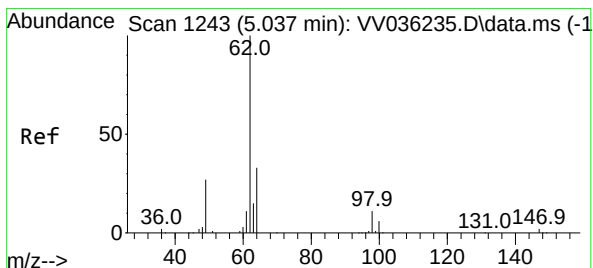
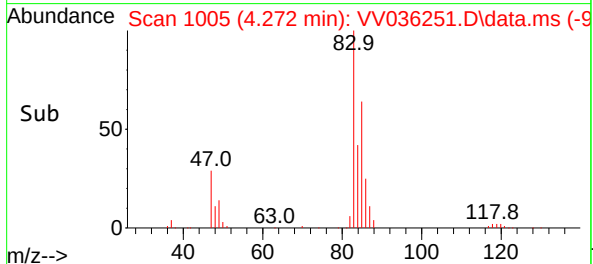
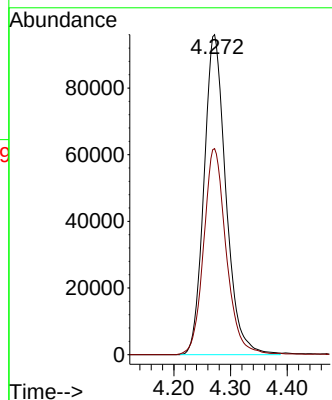
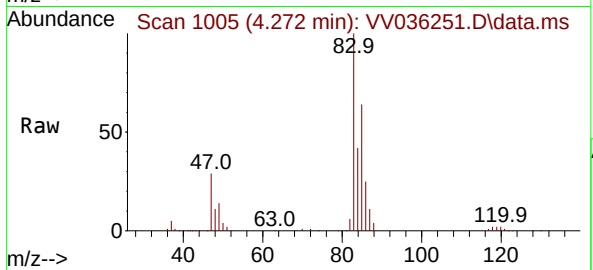
#25
Chloroform
Concen: 14.043 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS

Tgt Ion: 83 Resp: 258208
Ion Ratio Lower Upper
83 100
85 64.4 45.2 84.0

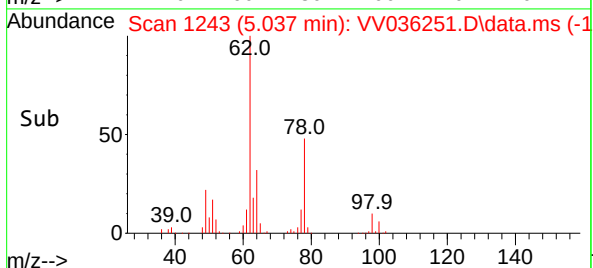
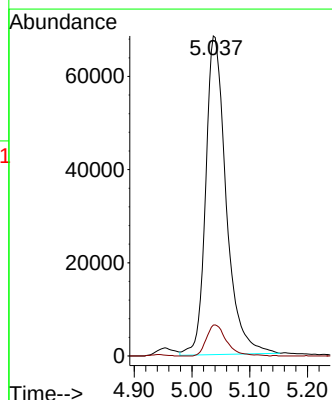
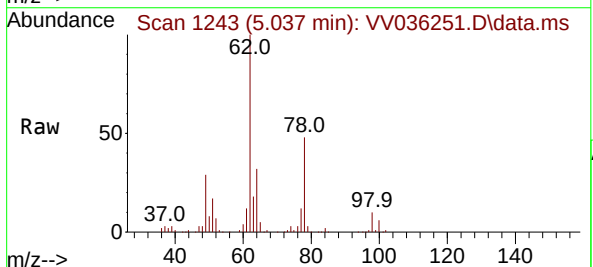
Manual Integrations
APPROVED

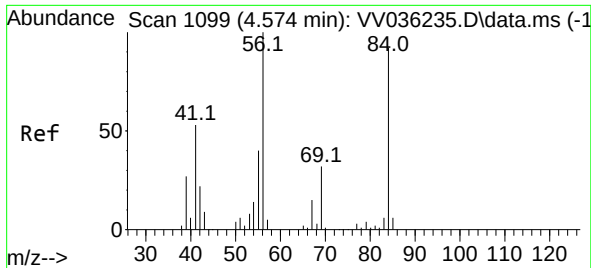
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#27
1,2-Dichloroethane
Concen: 14.674 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

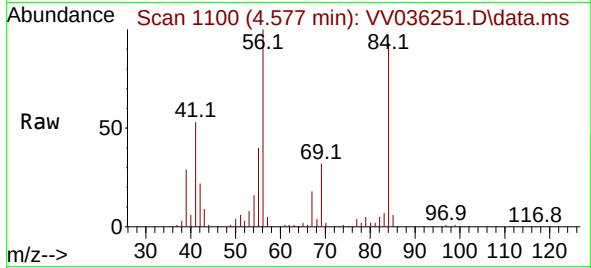
Tgt Ion: 62 Resp: 168440
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6





#29
Cyclohexane
Concen: 11.377 ug/L
RT: 4.577 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

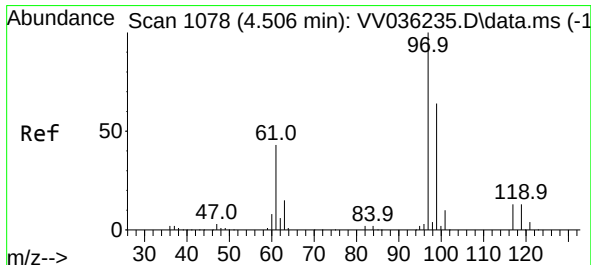
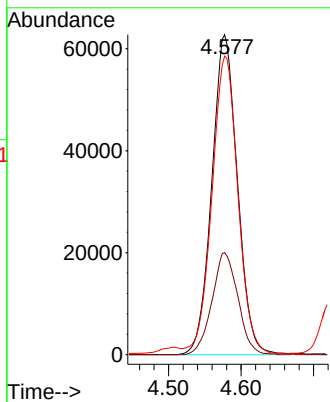
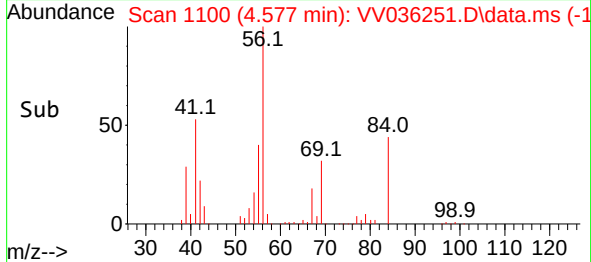
Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS



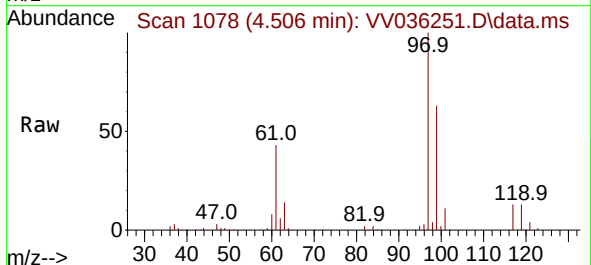
Tgt Ion: 56 Resp: 153879
Ion Ratio Lower Upper
56 100
69 32.3 25.2 37.8
84 93.8 72.2 108.2

Manual Integrations
APPROVED

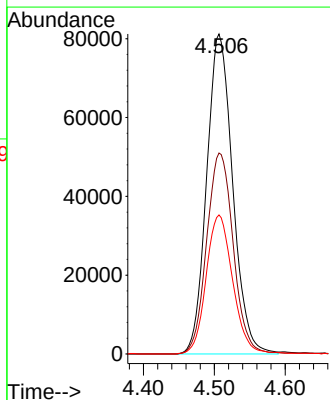
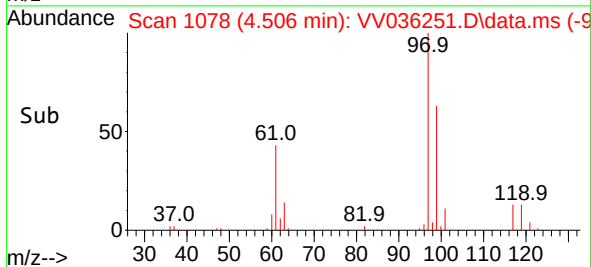
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024

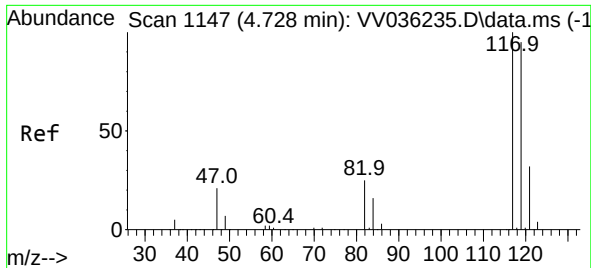


#30
1,1,1-Trichloroethane
Concen: 13.356 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10



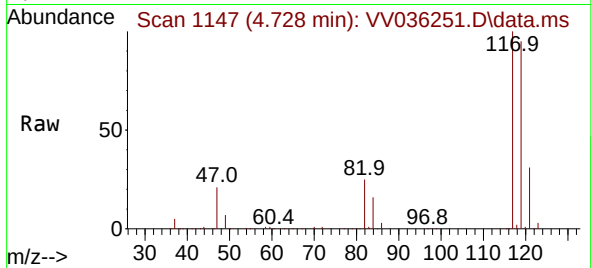
Tgt Ion: 97 Resp: 207427
Ion Ratio Lower Upper
97 100
99 64.2 50.9 76.3
61 44.1 35.0 52.6





#31
Carbon tetrachloride
Concen: 13.319 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

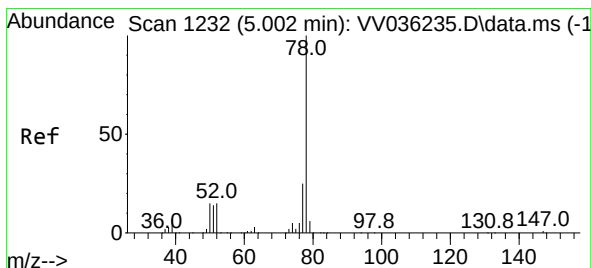
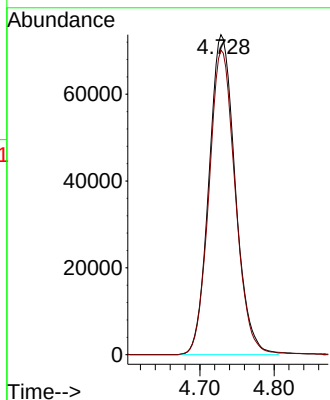
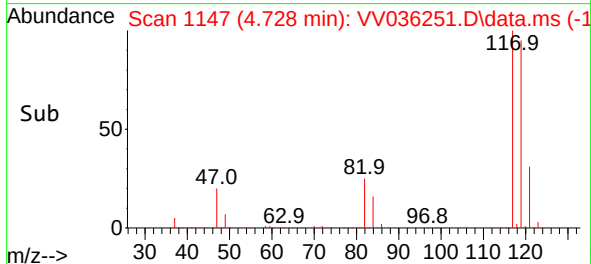
Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS



Tgt Ion:117 Resp: 181460
Ion Ratio Lower Upper
117 100
119 94.6 76.8 115.2

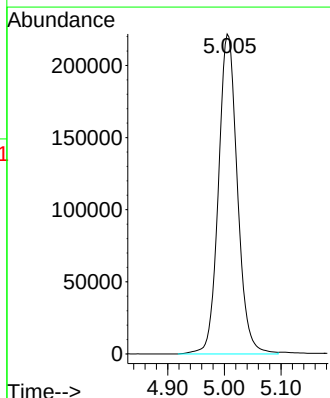
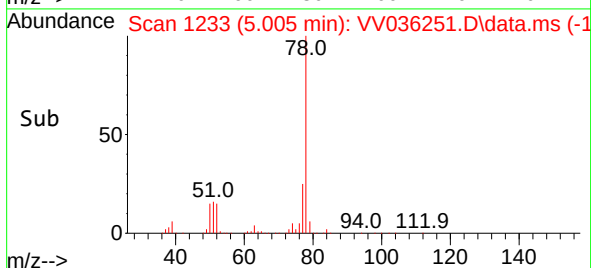
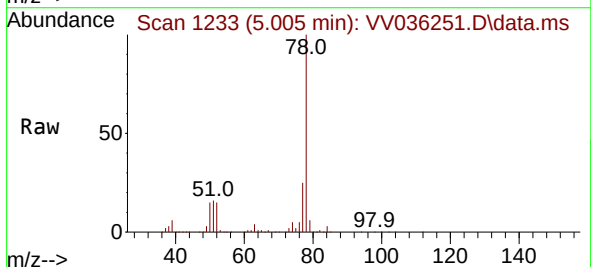
Manual Integrations
APPROVED

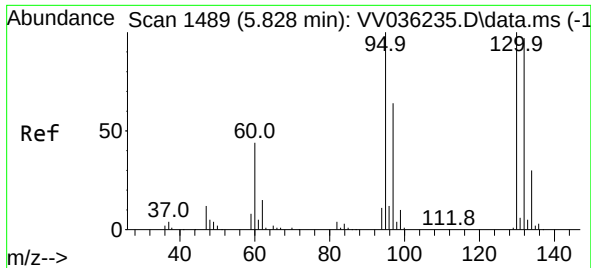
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#33
Benzene
Concen: 13.873 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion: 78 Resp: 515455





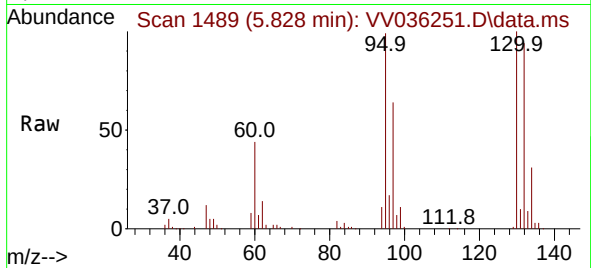
#34
Trichloroethene
Concen: 13.028 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

C0TA5REMS

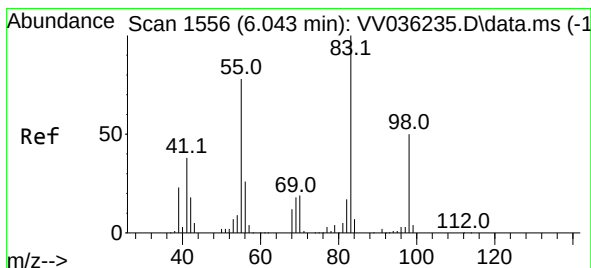
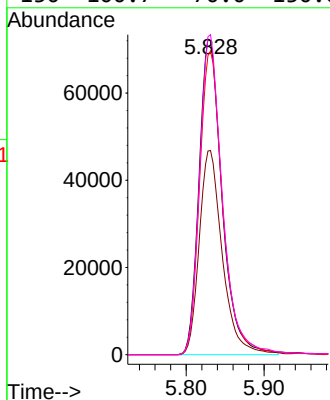
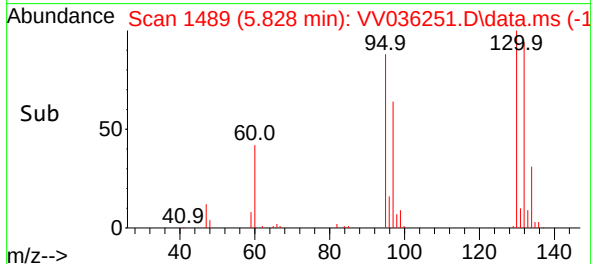


Tgt Ion: 95 Resp: 148352
Ion Ratio Lower Upper
95 100
97 64.5 44.8 83.2
132 94.7 66.8 124.2
130 100.7 70.0 130.0

Manual Integrations

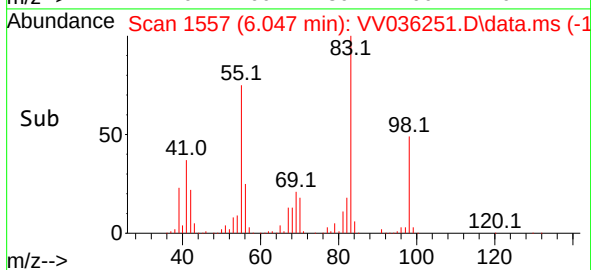
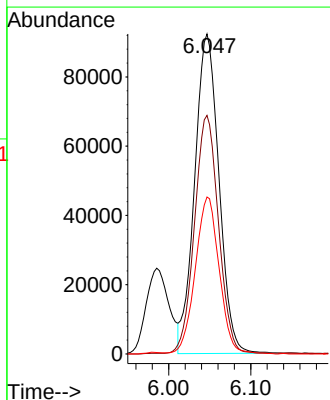
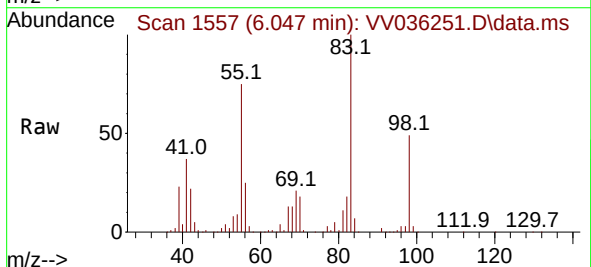
APPROVED

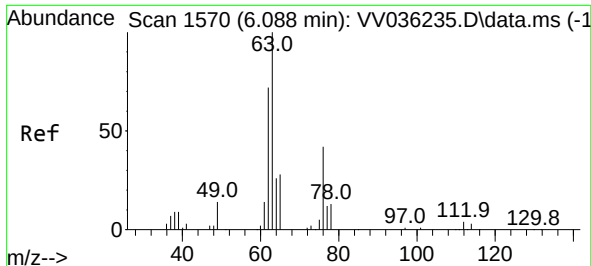
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#35
Methylcyclohexane
Concen: 12.037 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion: 83 Resp: 189552
Ion Ratio Lower Upper
83 100
55 73.7 60.7 91.1
98 48.6 38.7 58.1





#37

1,2-Dichloropropane

Concen: 14.020 ug/L

RT: 6.092 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV036251.D

Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

C0TA5REMS

Tgt Ion: 63 Resp: 136784

Ion Ratio Lower Upper

63 100

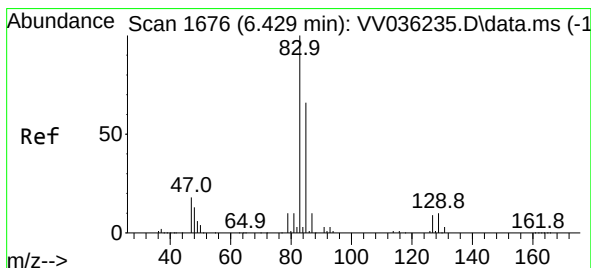
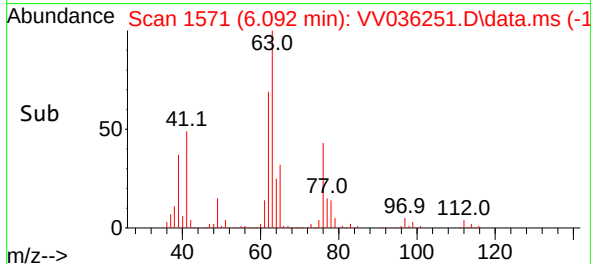
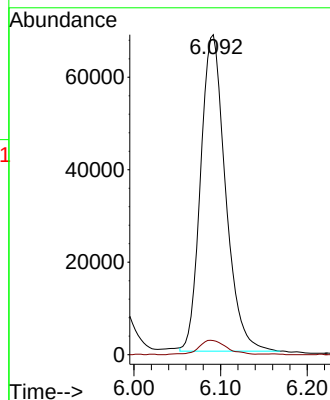
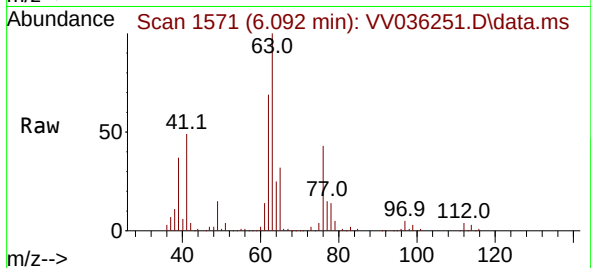
112 5.0 3.5 5.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024

Supervised By :Semsettin Yesilyurt 06/26/2024



#38

Bromodichloromethane

Concen: 14.375 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV036251.D

Acq: 24 Jun 2024 17:10

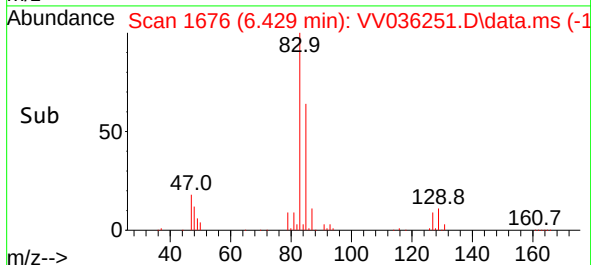
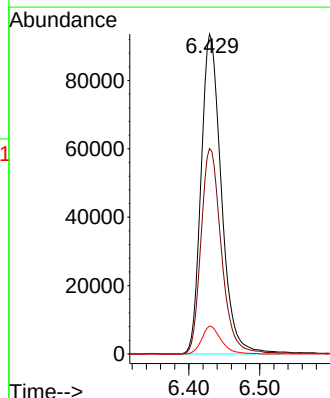
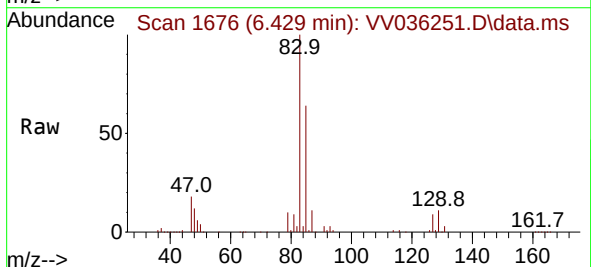
Tgt Ion: 83 Resp: 185631

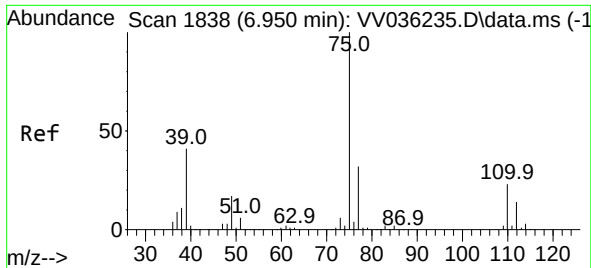
Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

127 8.7 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 13.923 ug/L

RT: 6.953 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV036251.D

Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

C0TA5REMS

Tgt Ion: 75 Resp: 20316

Ion Ratio Lower Upper

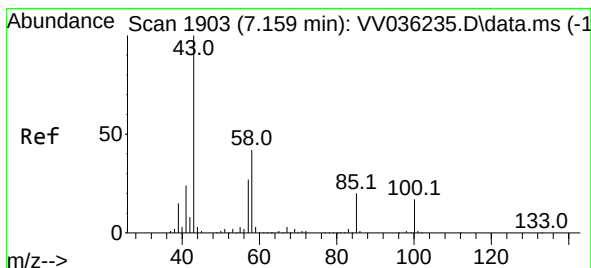
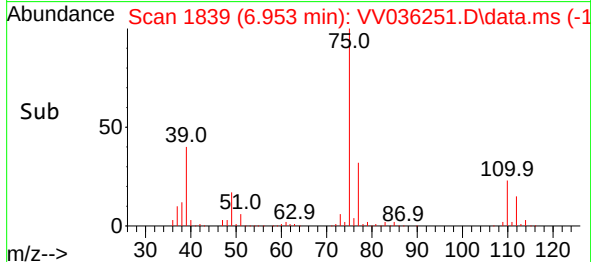
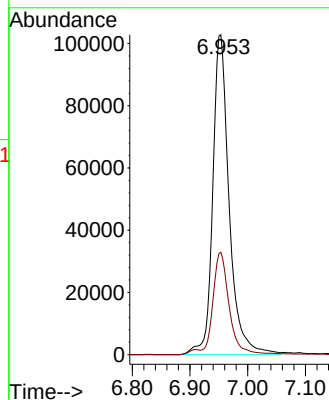
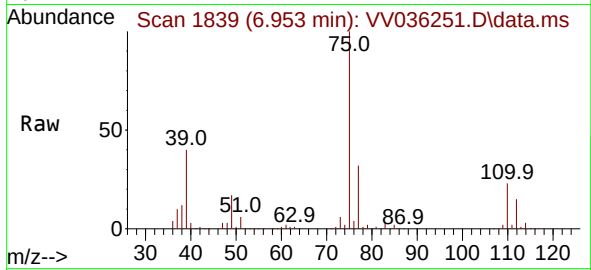
75 100

77 32.0 22.1 41.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#40

4-Methyl-2-pentanone

Concen: 27.925 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV036251.D

Acq: 24 Jun 2024 17:10

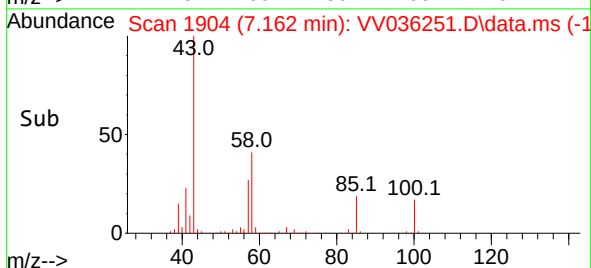
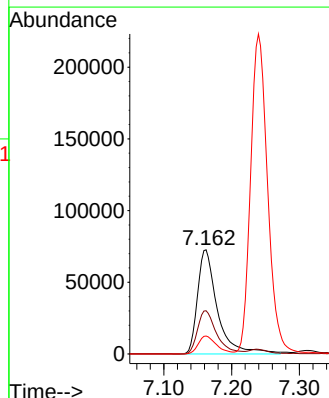
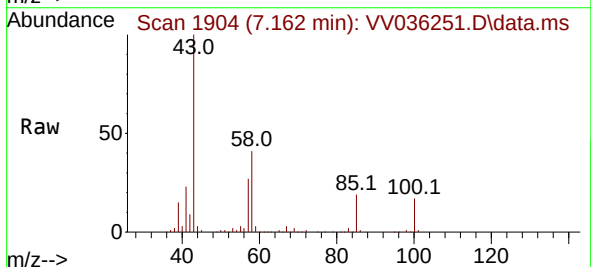
Tgt Ion: 43 Resp: 148017

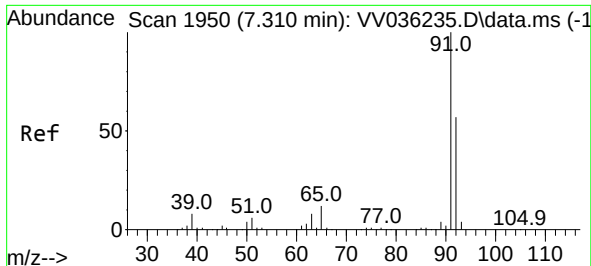
Ion Ratio Lower Upper

43 100

58 39.9 32.5 48.7

100 15.8 12.5 18.7





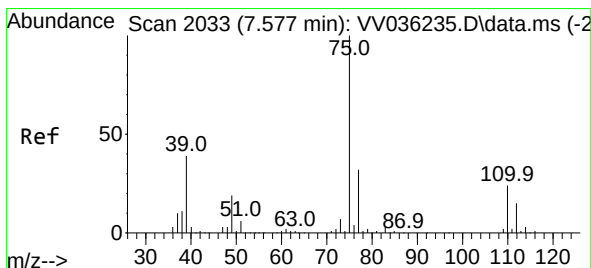
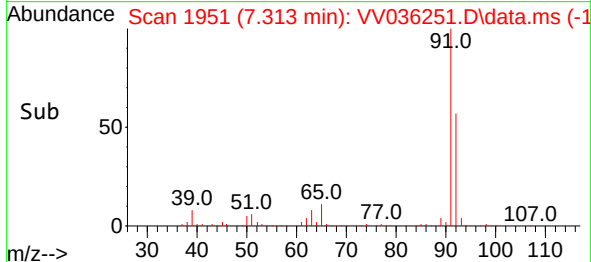
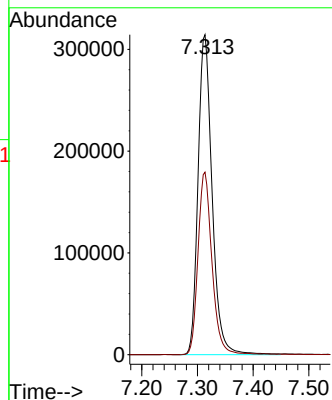
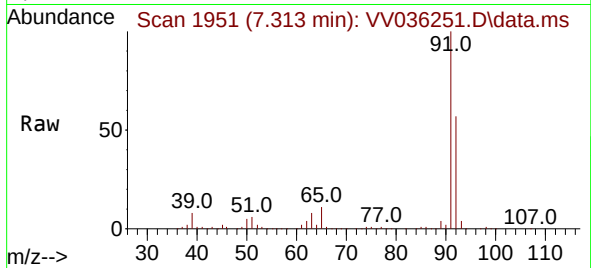
#42
Toluene
Concen: 14.555 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS

Tgt Ion: 91 Resp: 552610
Ion Ratio Lower Upper
91 100
92 57.0 40.6 75.4

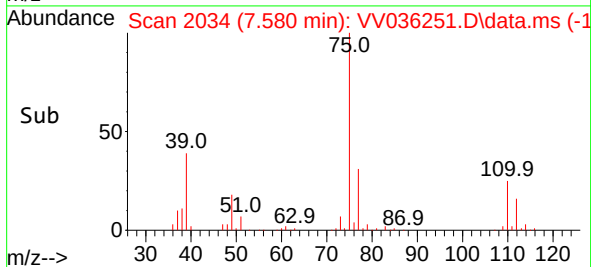
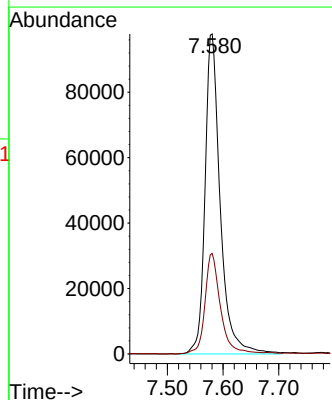
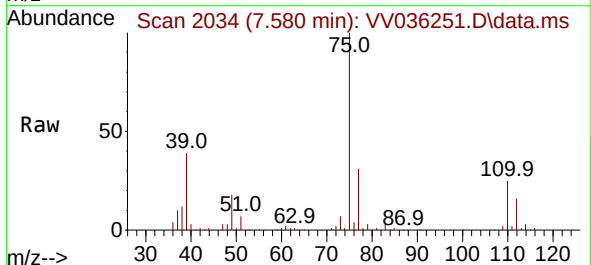
Manual Integrations
APPROVED

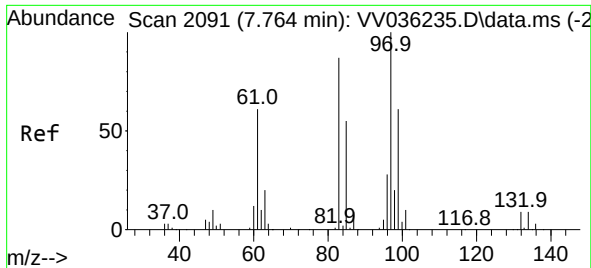
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#44
trans-1,3-Dichloropropene
Concen: 14.712 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion: 75 Resp: 185433
Ion Ratio Lower Upper
75 100
77 31.4 23.1 42.9





#45
1,1,2-Trichloroethane
Concen: 14.320 ug/L
RT: 7.767 min Scan# 2091
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

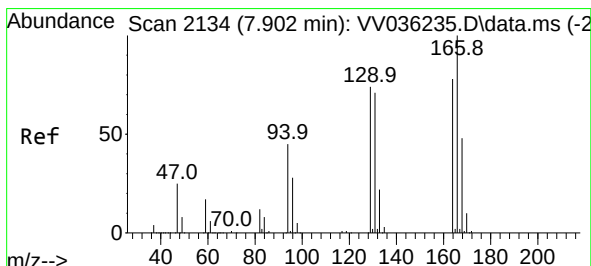
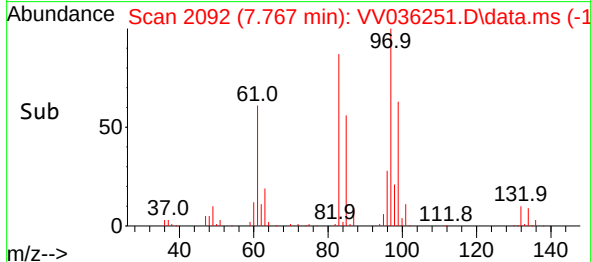
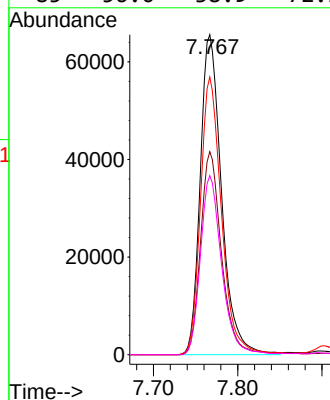
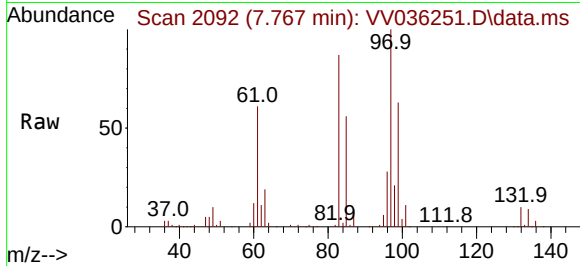
C0TA5REMS

Tgt Ion: 97 Resp: 11559
Ion Ratio Lower Upper
97 100
99 63.4 43.3 80.5
83 86.7 60.1 111.7
85 56.0 38.9 72.3

Manual Integrations

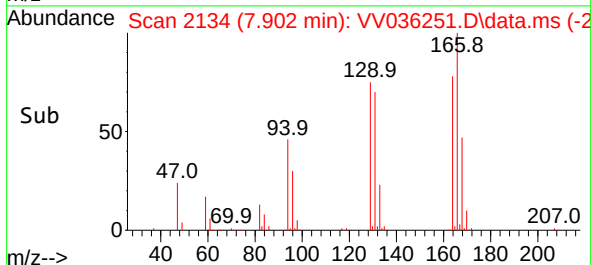
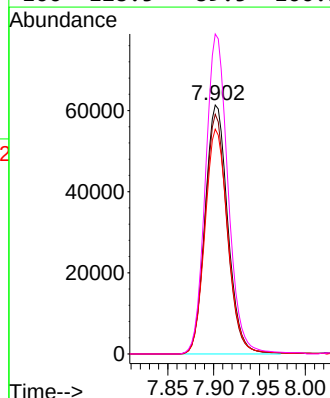
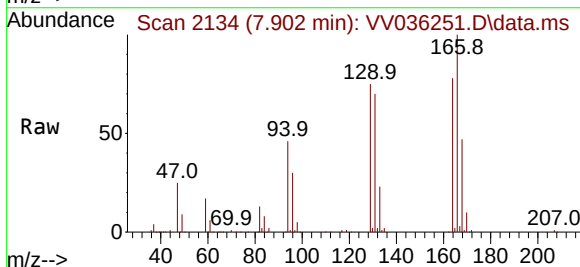
APPROVED

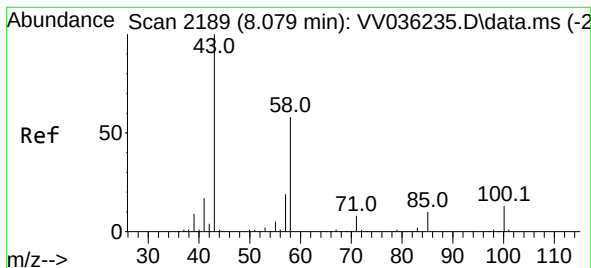
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#46
Tetrachloroethene
Concen: 12.685 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion:164 Resp: 105648
Ion Ratio Lower Upper
164 100
129 96.3 64.6 120.0
131 90.3 63.2 117.4
166 128.5 89.5 166.3





#48

2-Hexanone

Concen: 25.738 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. -0.000 min

Lab File: VV036251.D

Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

C0TA5REMS

Tgt Ion: 43 Resp: 106650

Ion Ratio Lower Upper

43 100

58 58.5 45.4 68.0

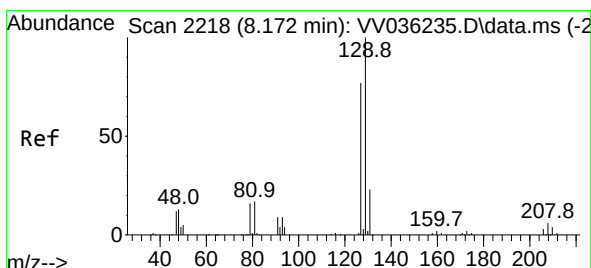
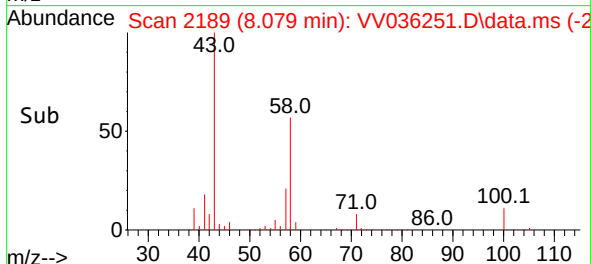
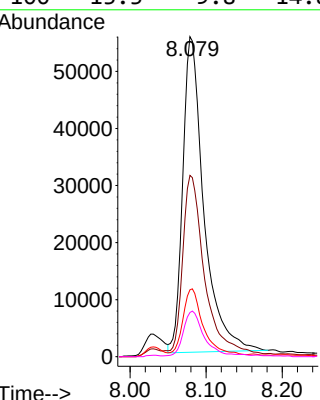
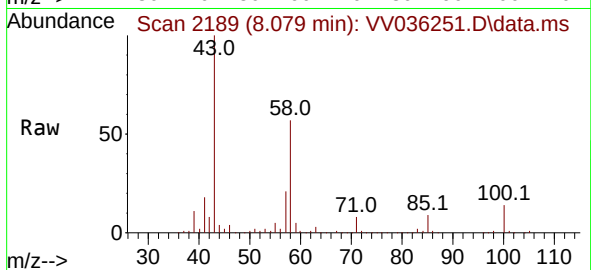
57 20.7 15.8 23.8

100 13.3 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#49

Dibromochloromethane

Concen: 14.525 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV036251.D

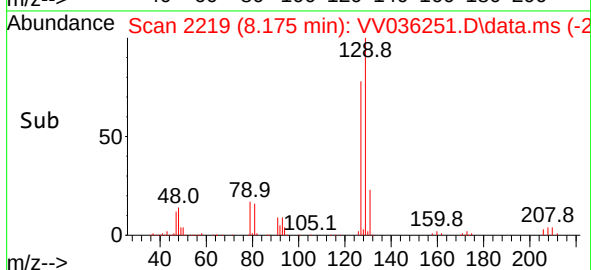
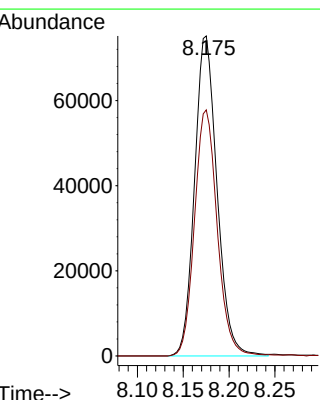
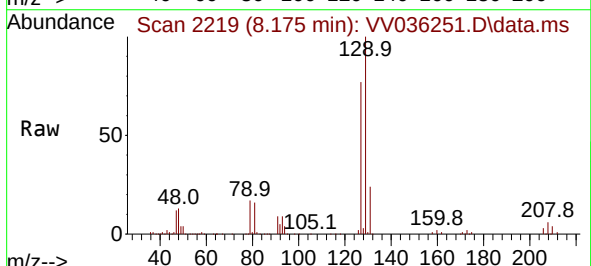
Acq: 24 Jun 2024 17:10

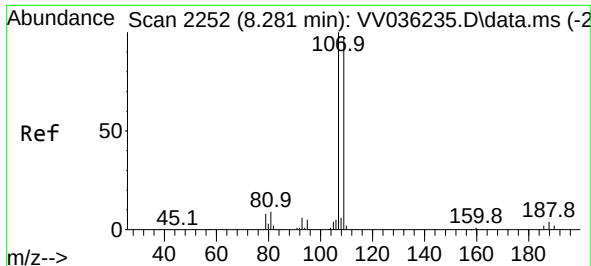
Tgt Ion:129 Resp: 128327

Ion Ratio Lower Upper

129 100

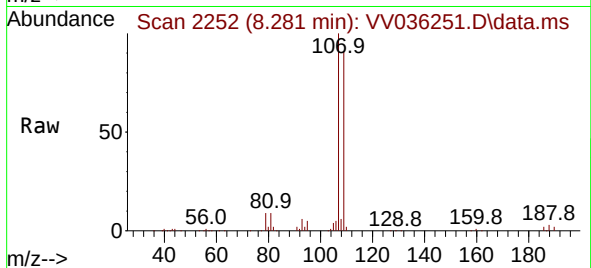
127 76.9 53.9 100.1





#50
1,2-Dibromoethane
Concen: 14.269 ug/L
RT: 8.281 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

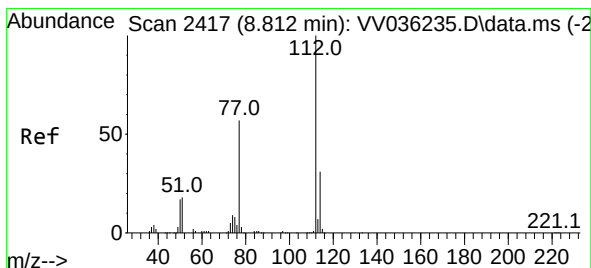
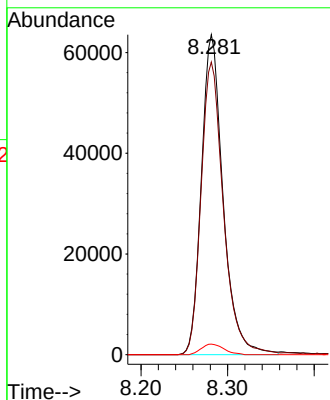
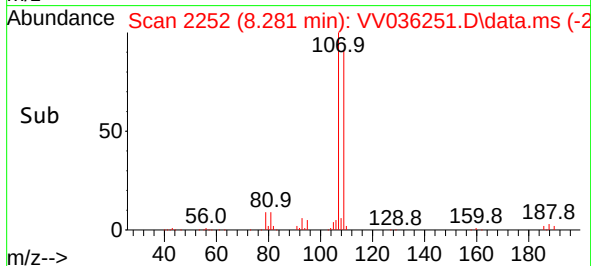
Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS



Tgt Ion:107 Resp: 11052
Ion Ratio Lower Upper
107 100
109 91.4 66.1 122.7
188 3.3 3.0 4.6

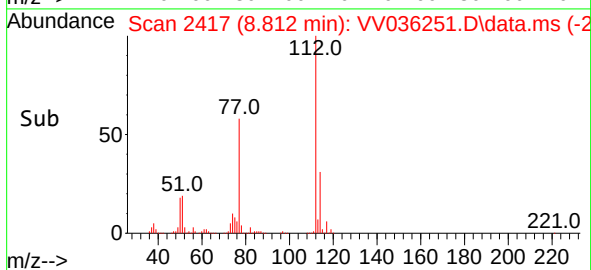
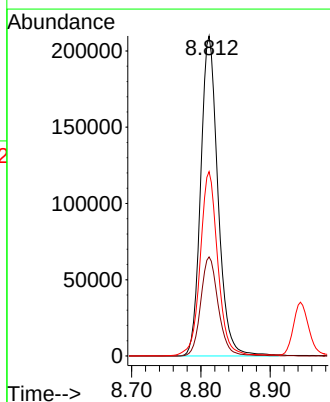
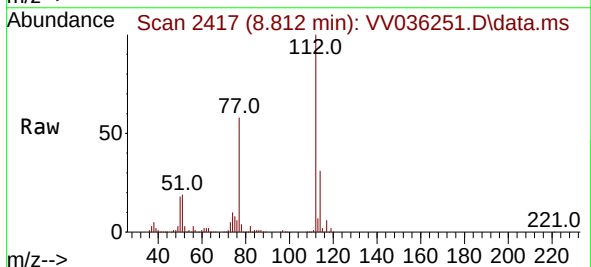
Manual Integrations
APPROVED

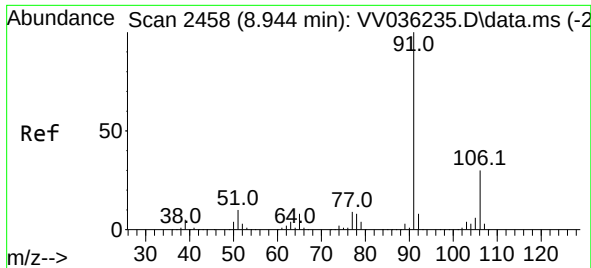
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#51
Chlorobenzene
Concen: 14.045 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion:112 Resp: 363328
Ion Ratio Lower Upper
112 100
114 30.9 22.3 41.5
77 57.6 47.3 70.9





#52
Ethylbenzene
Concen: 13.972 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

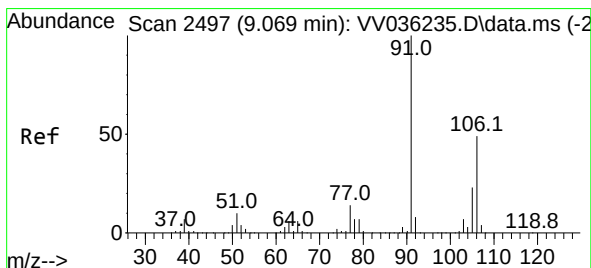
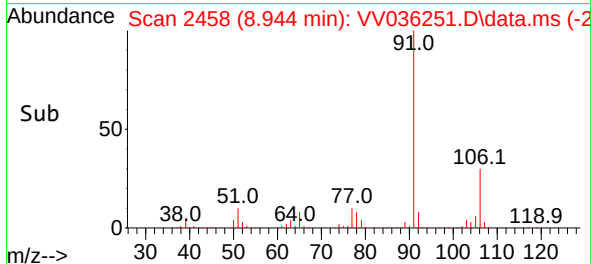
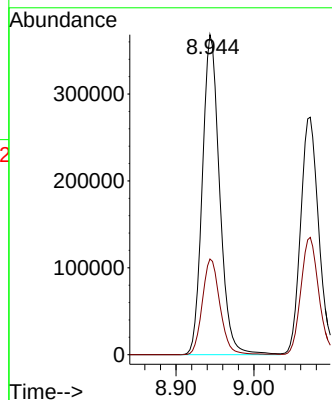
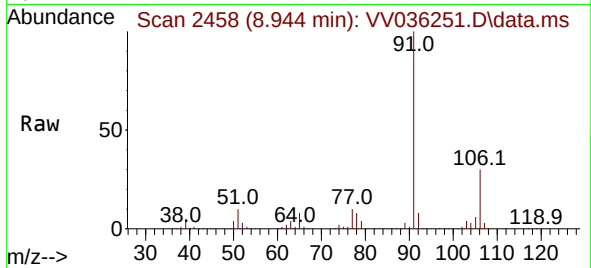
C0TA5REMS

Tgt Ion: 91 Resp: 56754
Ion Ratio Lower Upper
91 100
106 29.9 21.6 40.0

Manual Integrations

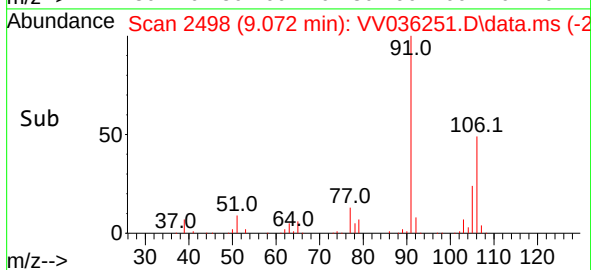
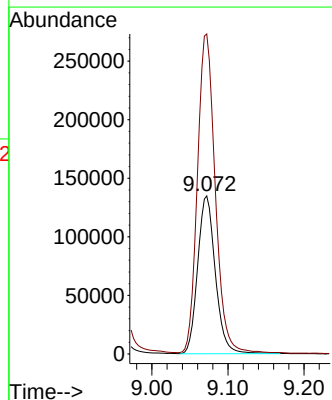
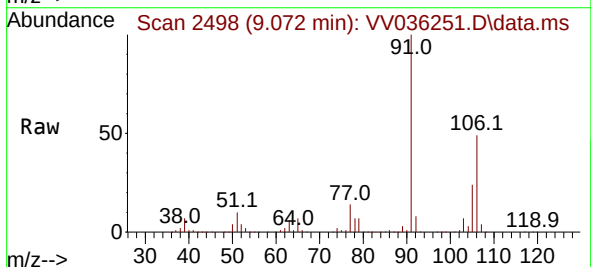
APPROVED

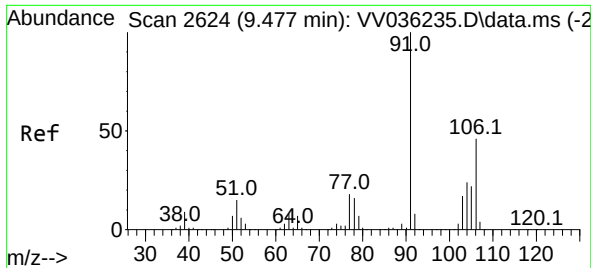
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#53
m,p-Xylene
Concen: 14.236 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

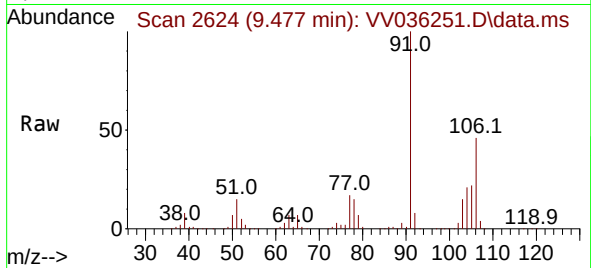
Tgt Ion:106 Resp: 217277
Ion Ratio Lower Upper
106 100
91 202.3 143.1 265.9





#54
o-Xylene
Concen: 13.882 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

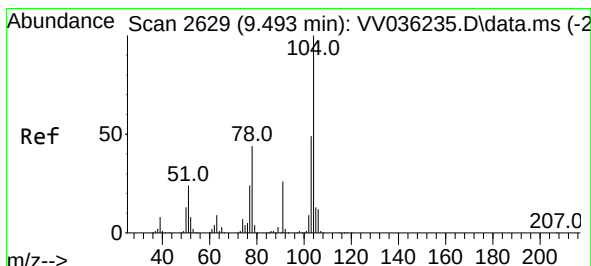
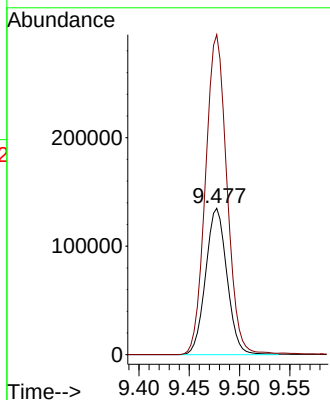
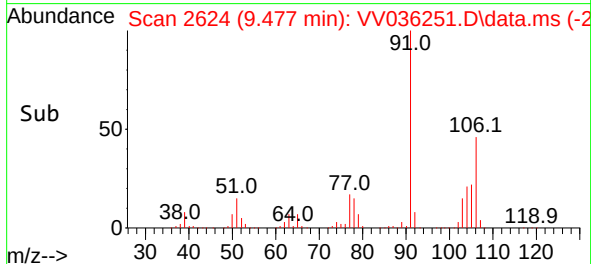
Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS



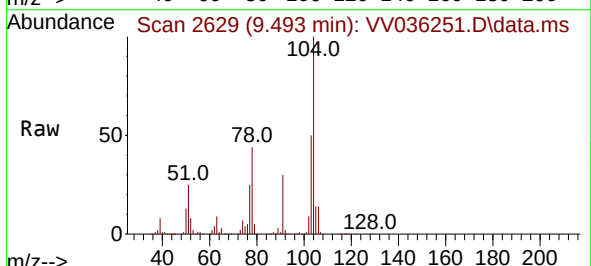
Tgt Ion:106 Resp: 199814
Ion Ratio Lower Upper
106 100
91 218.6 154.5 286.9

Manual Integrations
APPROVED

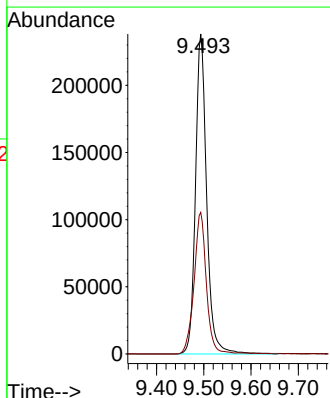
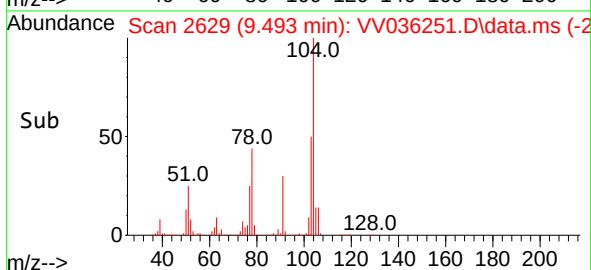
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024

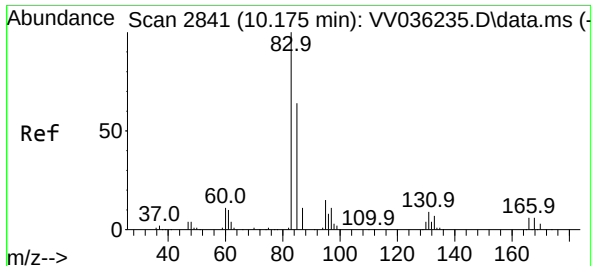


#55
Styrene
Concen: 15.389 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10



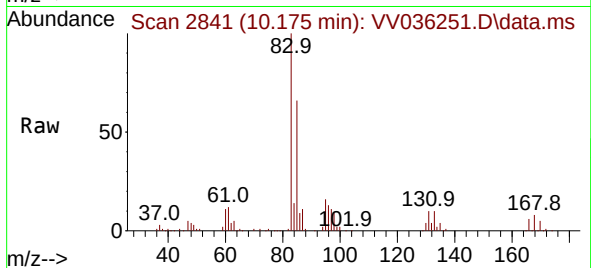
Tgt Ion:104 Resp: 390596
Ion Ratio Lower Upper
104 100
78 44.2 31.4 58.2





#57
1,1,2,2-Tetrachloroethane
Concen: 15.185 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

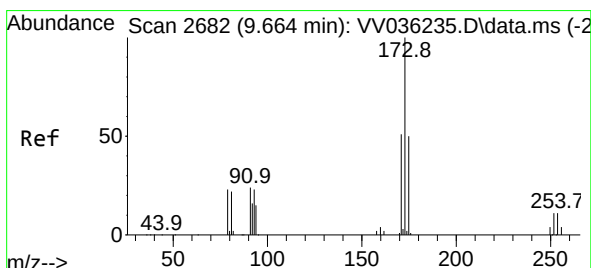
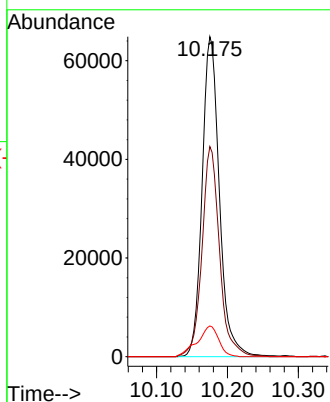
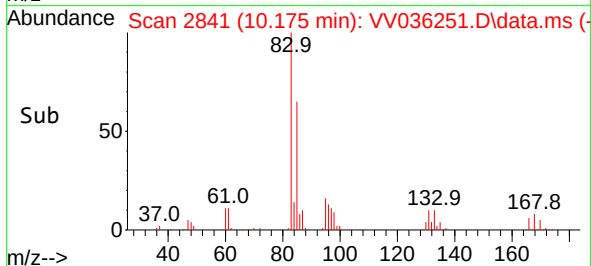
Instrument : MSVOA_V
ClientSampleId : C0TA5REMS



Tgt Ion: 83 Resp: 10976
Ion Ratio Lower Upper
83 100
85 65.6 45.1 83.7
131 9.6 7.6 11.4

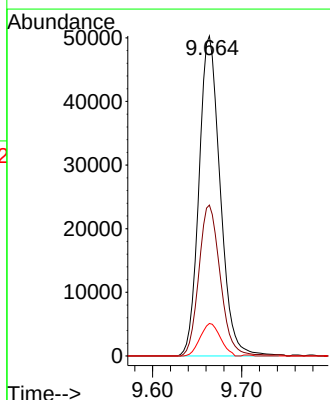
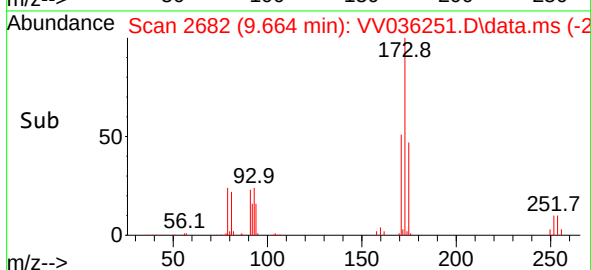
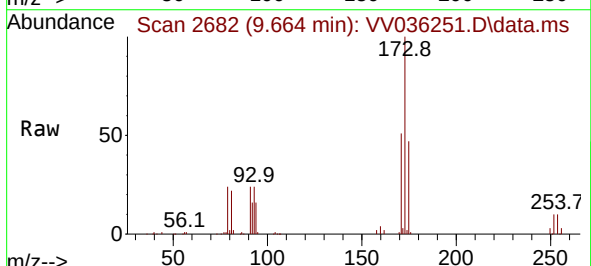
Manual Integrations
APPROVED

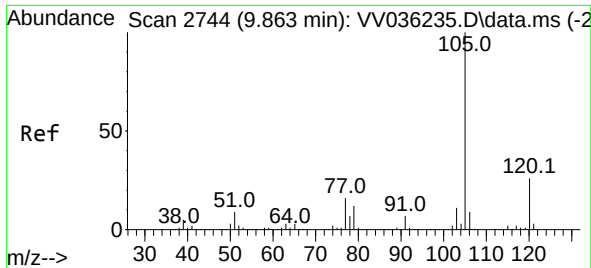
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#59
Bromoform
Concen: 14.148 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion:173 Resp: 83036
Ion Ratio Lower Upper
173 100
175 47.7 39.0 58.6
254 9.7 8.6 13.0





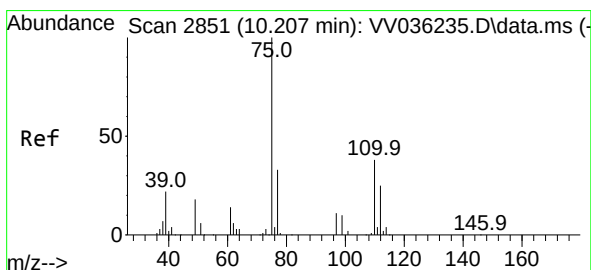
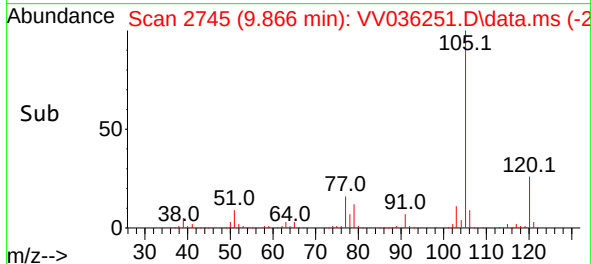
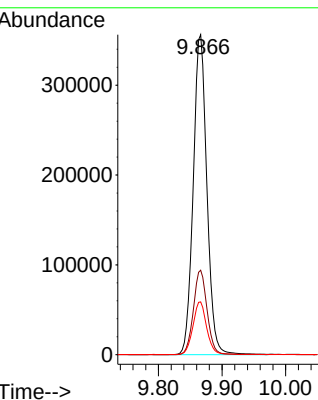
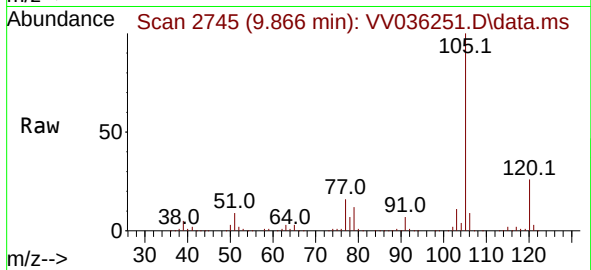
#60
Isopropylbenzene
Concen: 13.322 ug/L
RT: 9.866 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS

Tgt Ion:105 Resp: 53188
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 16.5 12.6 18.8

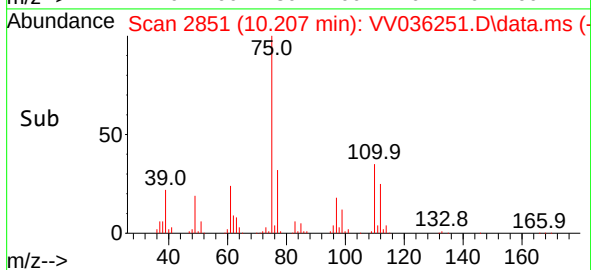
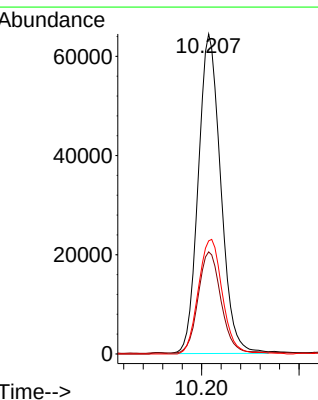
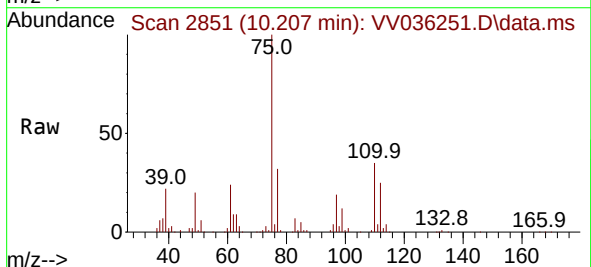
Manual Integrations
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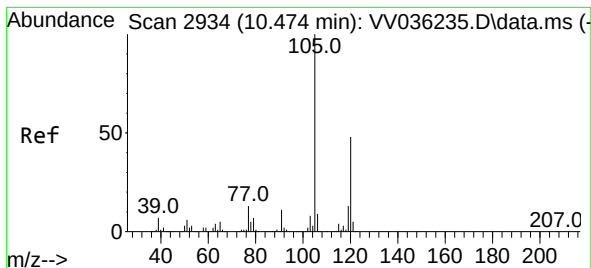
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#61
1,2,3-Trichloropropane
Concen: 13.993 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Tgt Ion: 75 Resp: 102990
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0
110 38.1 32.2 48.4





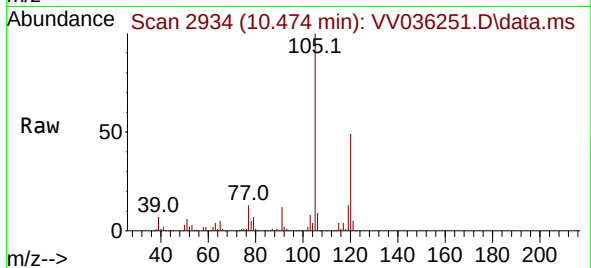
#62
1,3,5-Trimethylbenzene
Concen: 12.760 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

C0TA5REMS

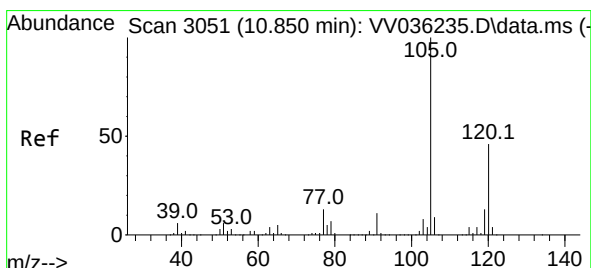
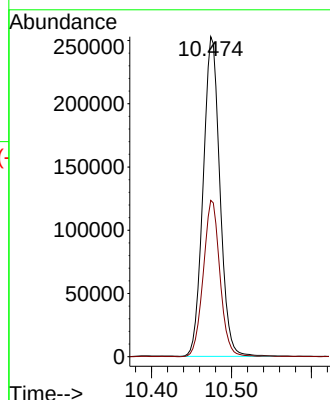
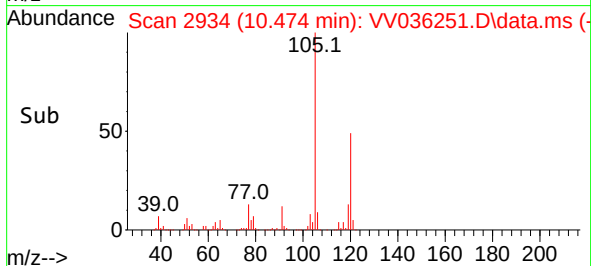


Tgt Ion:105 Resp: 369412
Ion Ratio Lower Upper
105 100
120 48.6 38.6 58.0

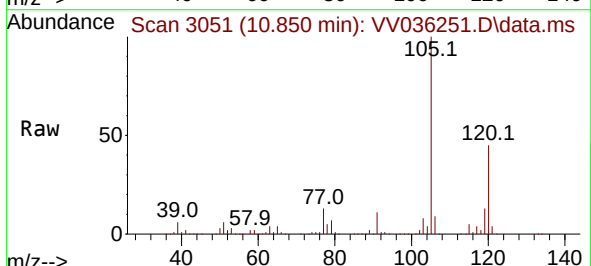
Manual Integrations

APPROVED

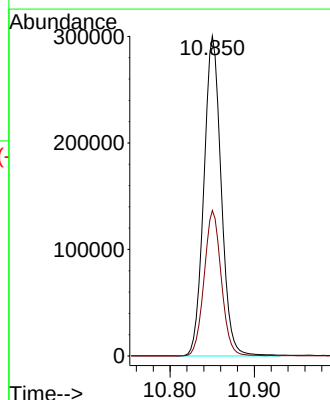
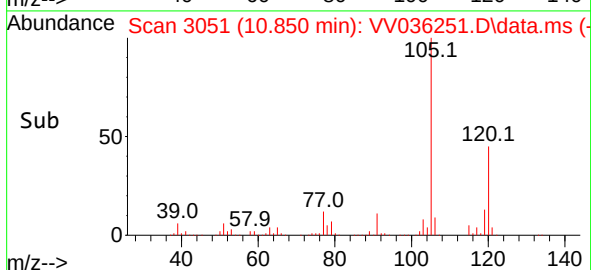
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024

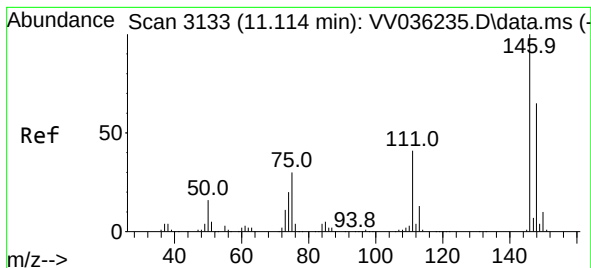


#63
1,2,4-Trimethylbenzene
Concen: 13.818 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10



Tgt Ion:105 Resp: 431022
Ion Ratio Lower Upper
105 100
120 45.1 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 13.506 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV036251.D

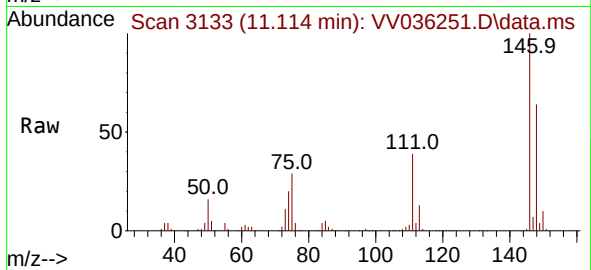
Acq: 24 Jun 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

C0TA5REMS



Tgt Ion:146 Resp: 28318

Ion Ratio Lower Upper

146 100

111 38.8 28.1 52.1

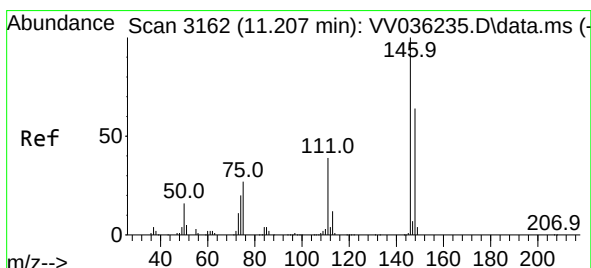
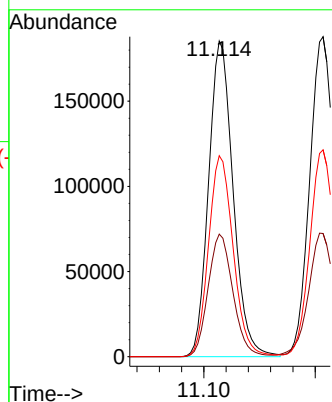
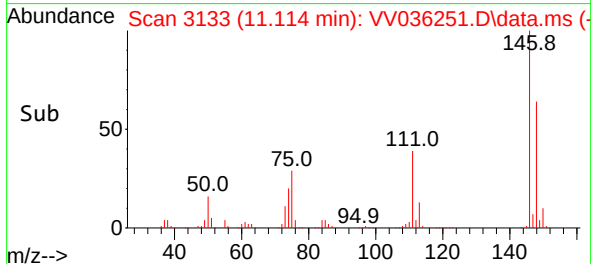
148 63.7 44.7 83.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024

Supervised By :Semsettin Yesilyurt 06/26/2024



#65

1,4-Dichlorobenzene

Concen: 14.001 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV036251.D

Acq: 24 Jun 2024 17:10

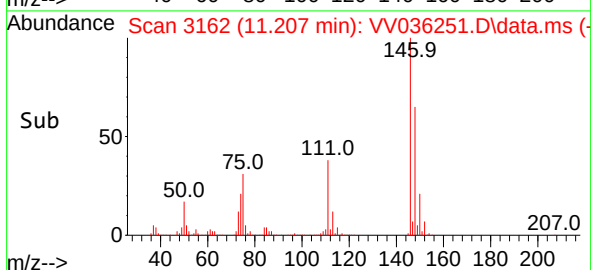
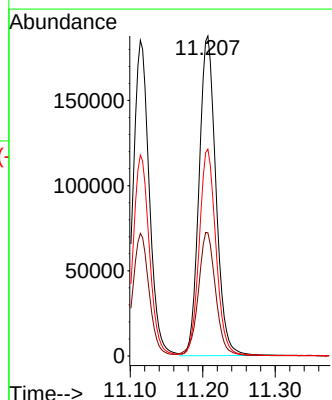
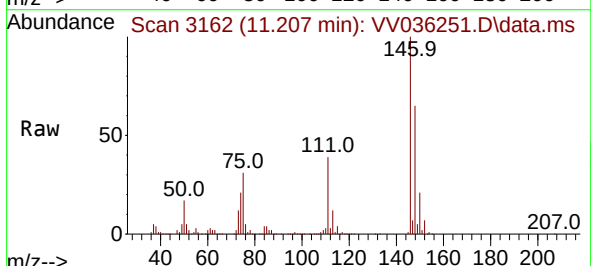
Tgt Ion:146 Resp: 303010

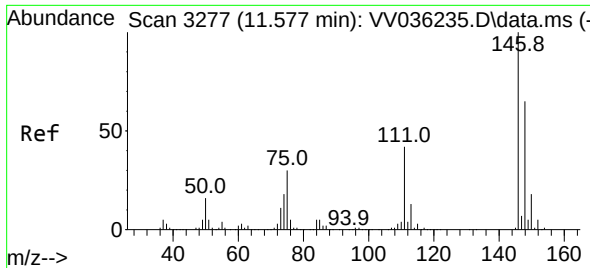
Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

148 64.7 44.5 82.7





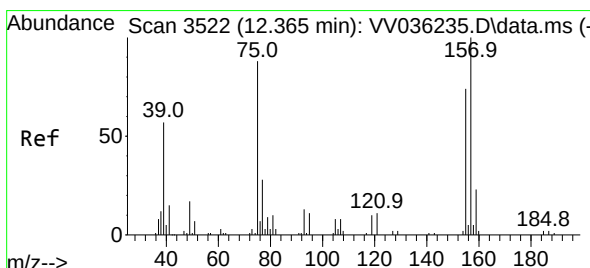
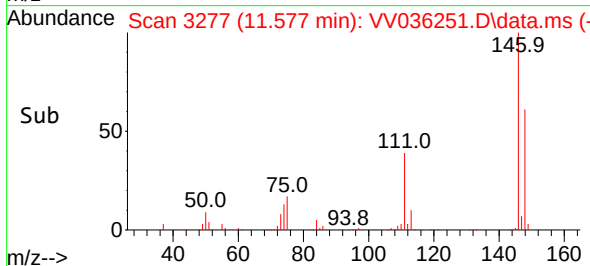
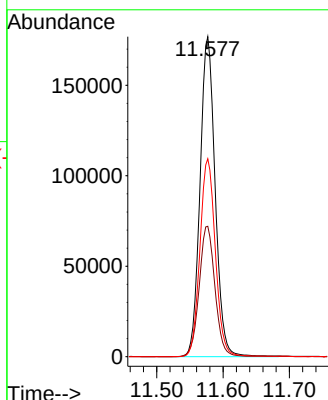
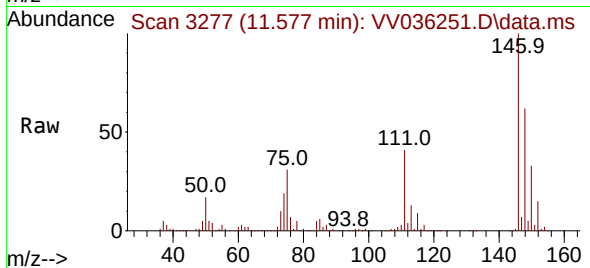
#67
1,2-Dichlorobenzene
Concen: 14.213 ug/L
RT: 11.577 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS

Tgt Ion:146 Resp: 28043
Ion Ratio Lower Upper
146 100
111 40.8 33.5 50.3
148 61.9 50.9 76.3

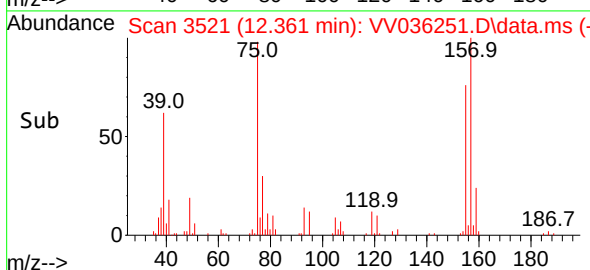
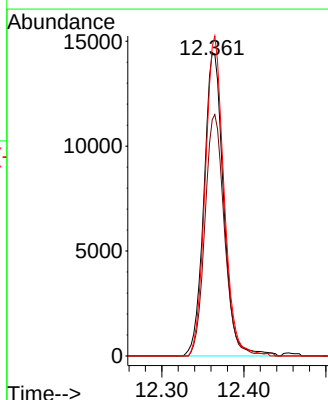
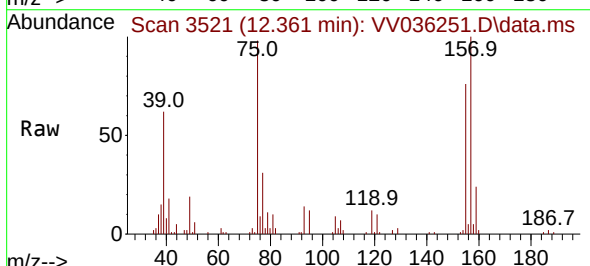
Manual Integrations
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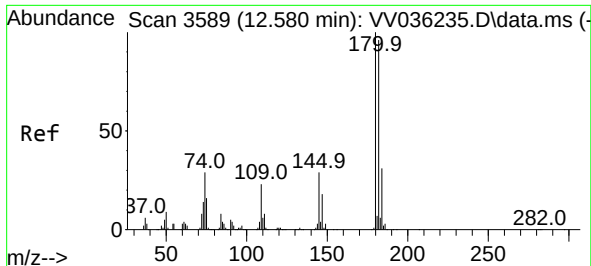
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#68
1,2-Dibromo-3-chloropropane
Concen: 14.641 ug/L
RT: 12.361 min Scan# 3521
Delta R.T. -0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

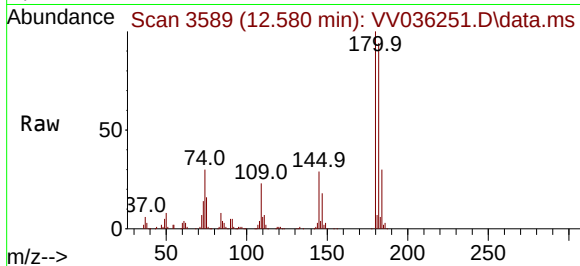
Tgt Ion: 75 Resp: 24097
Ion Ratio Lower Upper
75 100
155 78.0 63.3 94.9
157 102.1 82.4 123.6





#69
1,3,5-Trichlorobenzene
Concen: 12.303 ug/L
RT: 12.580 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

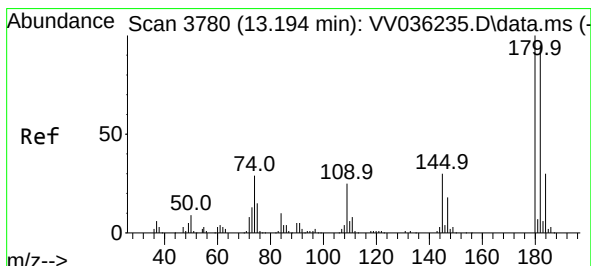
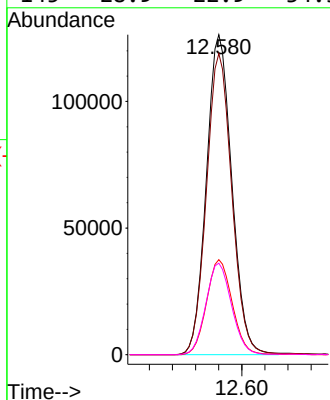
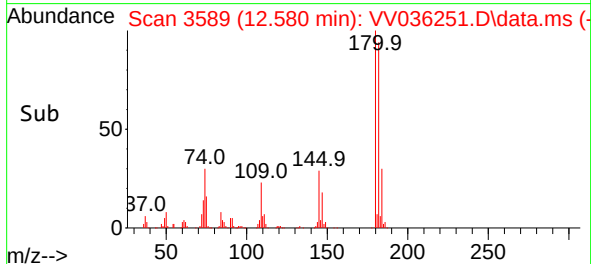
Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS



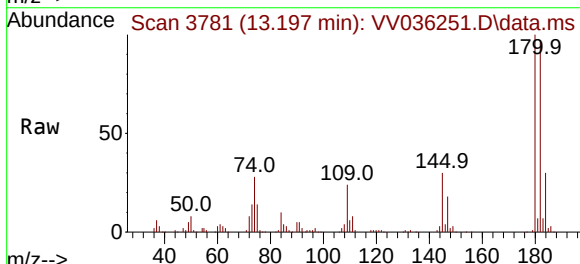
Tgt Ion:180 Resp: 19295
Ion Ratio Lower Upper
180 100
182 94.0 76.2 114.4
184 30.0 24.2 36.2
145 28.9 22.9 34.3

Manual Integrations
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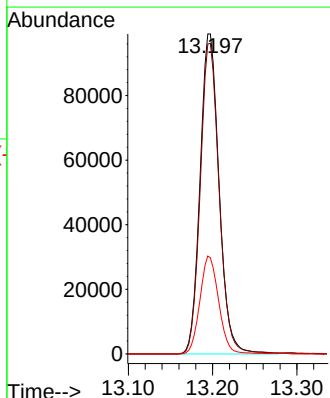
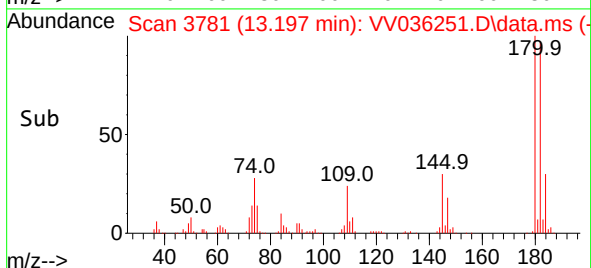
Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024

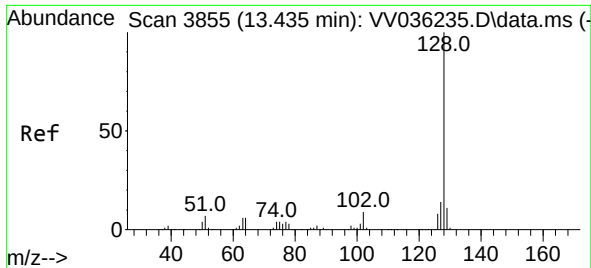


#70
1,2,4-trichlorobenzene
Concen: 12.635 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10



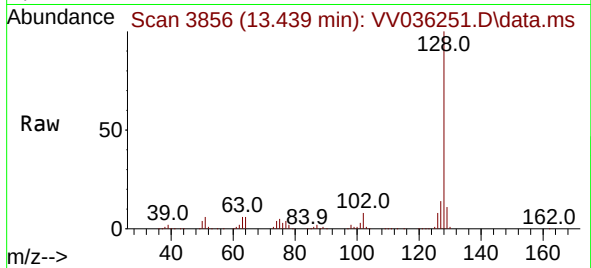
Tgt Ion:180 Resp: 156037
Ion Ratio Lower Upper
180 100
182 95.7 76.1 114.1
145 30.1 23.5 35.3





#71
Naphthalene
Concen: 15.629 ug/L
RT: 13.439 min Scan# 3855
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10

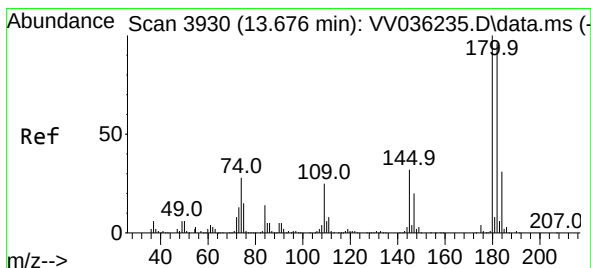
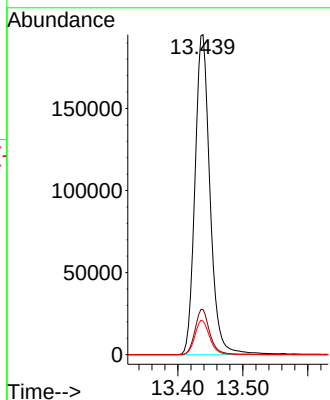
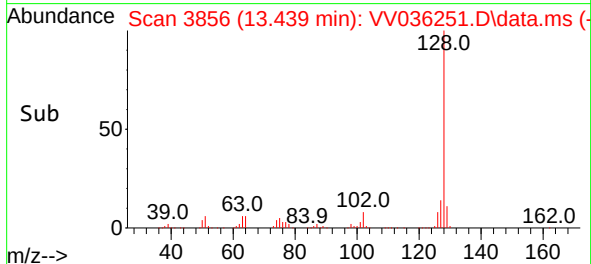
Instrument :
MSVOA_V
ClientSampleId :
C0TA5REMS



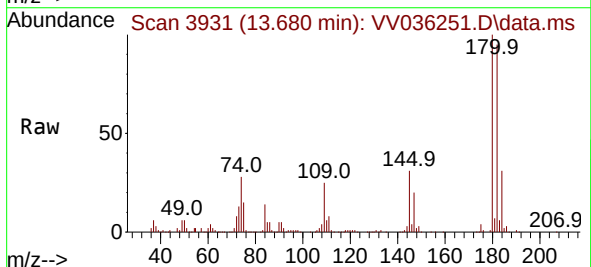
Tgt Ion:128 Resp: 314970
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 10.5 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



#72
1,2,3-Trichlorobenzene
Concen: 13.736 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV036251.D
Acq: 24 Jun 2024 17:10



Tgt Ion:180 Resp: 154789
Ion Ratio Lower Upper
180 100
182 96.2 75.1 112.7
145 32.1 25.2 37.8

