

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032024\
 Data File : VW034772.D
 Acq On : 20 Mar 2024 18:55
 Operator : SY/MD
 Sample : P1755-20MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YCL13MS

Quant Time: Mar 21 02:22:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 21 02:16:15 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024
 Supervised By :Semsettin Yesilyurt 03/22/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	344589	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	324903	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	170331	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	131450	44.004	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	88.000%	
7) Chloroethane-d5	1.532	69	108094	46.447	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	92.900%	
11) 1,1-Dichloroethene-d2	2.060	65	52725	39.028	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	78.060%	
21) 2-Butanone-d5	3.789	46	199810	100.021	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	100.020%	
24) Chloroform-d	4.249	84	255169	48.312	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	96.620%	
26) 1,2-Dichloroethane-d4	4.941	65	167879	48.640	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	97.280%	
32) Benzene-d6	4.960	84	477661	48.713	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	97.420%	
36) 1,2-Dichloropropane-d6	5.989	67	145439	48.601	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	97.200%	
41) Toluene-d8	7.243	98	436921	49.238	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	98.480%	
43) trans-1,3-Dichloroprop...	7.551	79	71081	47.301	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	94.600%	
47) 2-Hexanone-d5	8.024	63	125339	83.877	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	83.880%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	202166	51.336	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	102.680%	
66) 1,2-Dichlorobenzene-d4	11.558	152	169405	48.657	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	97.320%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	147706	40.865	ug/L	99
3) Chloromethane	1.214	50	138784	39.076	ug/L	97
5) Vinyl chloride	1.282	62	144248	41.840	ug/L	98
6) Bromomethane	1.487	94	86714	41.921	ug/L	98
8) Chloroethane	1.548	64	90921	44.370	ug/L	99
9) Trichlorofluoromethane	1.712	101	227847	44.132	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	109476	39.343	ug/L	99
12) 1,1-Dichloroethene	2.069	96	200379m	77.658	ug/L	
13) Acetone	2.121	43	788541	328.350	ug/L	99
14) Carbon disulfide	2.240	76	277277	38.720	ug/L	100
15) Methyl Acetate	2.372	43	161471	52.556	ug/L #	87
16) Methylene chloride	2.445	84	137620	50.281	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	117975	47.239	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	476798	53.163	ug/L	99
19) 1,1-Dichloroethane	3.111	63	293024	59.895	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	172447	63.641	ug/L	93
22) 2-Butanone	3.873	43	216514	91.300	ug/L	95
23) Bromochloromethane	4.146	128	71835	51.268	ug/L	96
25) Chloroform	4.275	83	258269	50.933	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	204416	49.617	ug/L	98
29) Cyclohexane	4.580	56	182458	42.695	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	242595	52.070	ug/L	100
31) Carbon tetrachloride	4.735	117	198040	48.011	ug/L	98
33) Benzene	5.008	78	497275	49.309	ug/L	100
34) Trichloroethene	5.831	95	151580	52.876	ug/L	98
35) Methylcyclohexane	6.050	83	187155	42.944	ug/L	99
37) 1,2-Dichloropropane	6.092	63	135864	51.457	ug/L	99
38) Bromodichloromethane	6.432	83	188464	50.745	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	200841	46.949	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	422193	108.440	ug/L	98
42) Toluene	7.313	91	526519	49.330	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	197457	47.993	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	137663	54.037	ug/L	98
46) Tetrachloroethene	7.905	164	97181	45.583	ug/L	97
48) 2-Hexanone	8.072	43	338876	109.231	ug/L	98
49) Dibromochloromethane	8.175	129	141917	52.789	ug/L	97
50) 1,2-Dibromoethane	8.281	107	140052	51.807	ug/L	97
51) Chlorobenzene	8.812	112	342291	49.606	ug/L	99
52) Ethylbenzene	8.944	91	594514	49.711	ug/L	100
53) m,p-Xylene	9.072	106	220226	48.526	ug/L	98
54) o-Xylene	9.477	106	223200	50.225	ug/L	99
55) Styrene	9.493	104	387387	51.485	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	213903	55.902	ug/L	96
59) Bromoform	9.664	173	100731	53.340	ug/L	100
60) Isopropylbenzene	9.866	105	611340	50.748	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	177319	54.536	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	505918	49.786	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	507742	50.519	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	278666	50.031	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	288816	51.061	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	295064	52.867	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	53158	54.884	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	192434	46.054	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	171762	45.684	ug/L	98
71) Naphthalene	13.439	128	440876	43.837	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	177181	48.307	ug/L	100

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

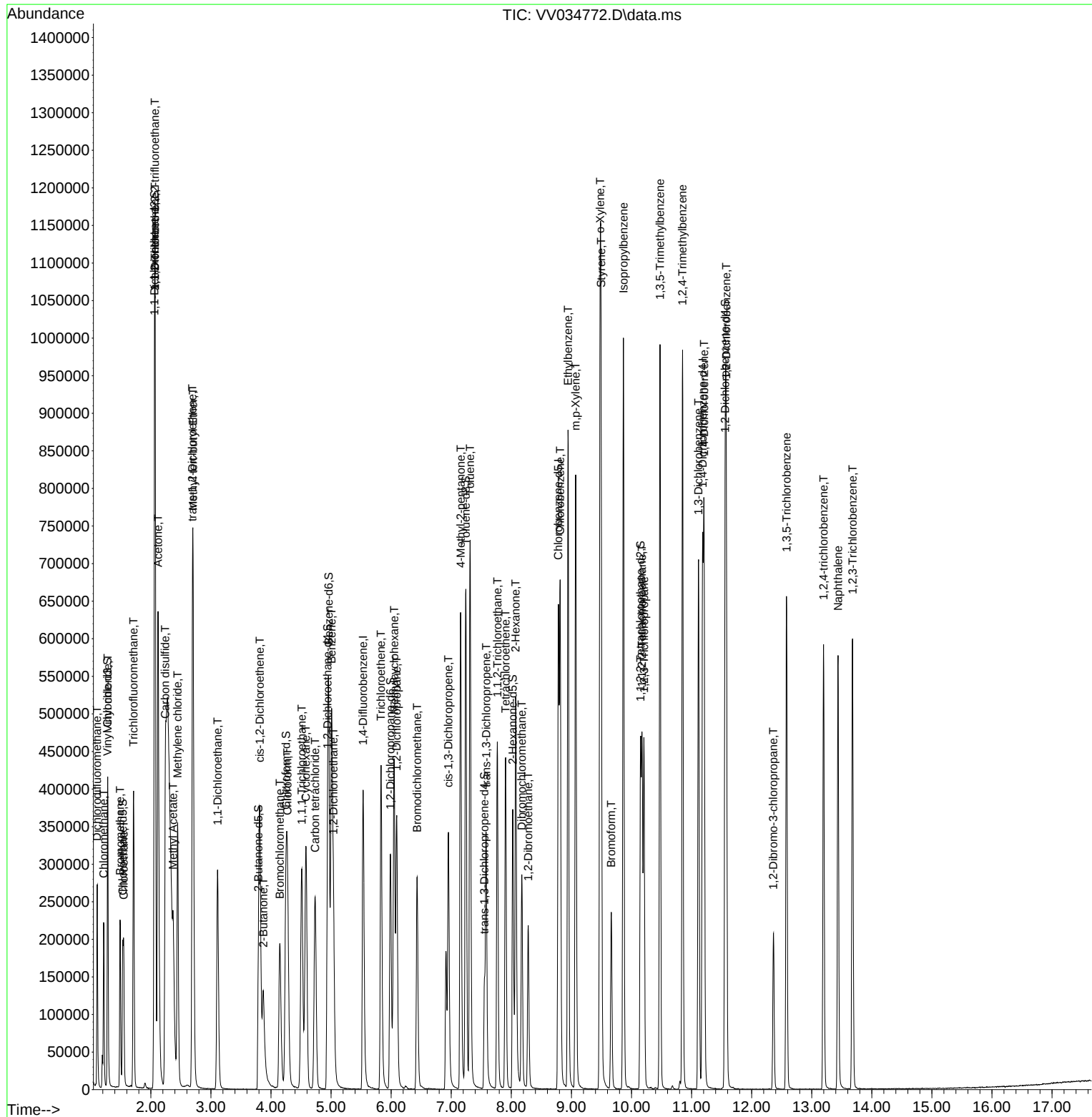
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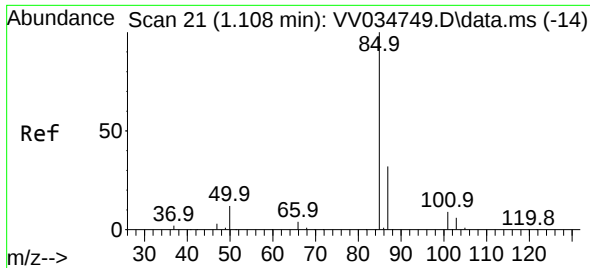
Instrument :
 MSVOA_V
 ClientSampleId :
 YCL13MS

Manual Integrations APPROVED

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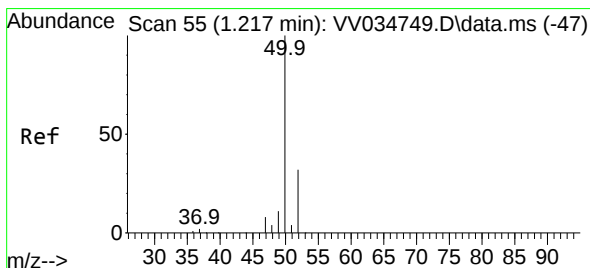
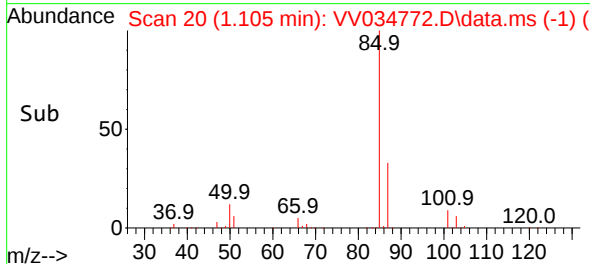
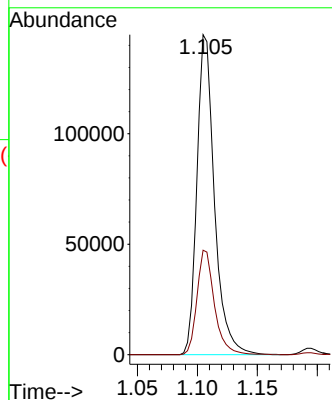
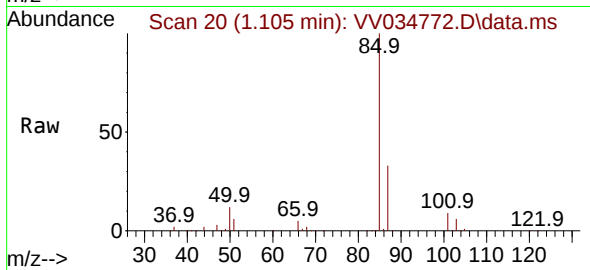
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Dichlorodifluoromethane
Concen: 40.865 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :
YCL13MS

Tgt Ion: 85 Resp: 147700
Ion Ratio Lower Upper
85 100
87 32.5 25.5 38.3

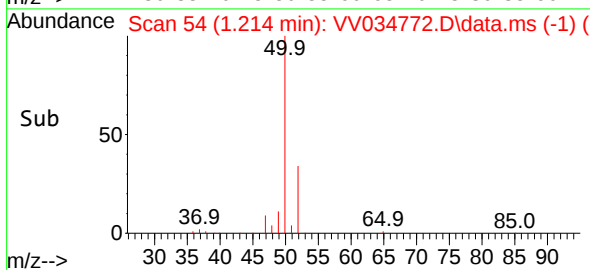
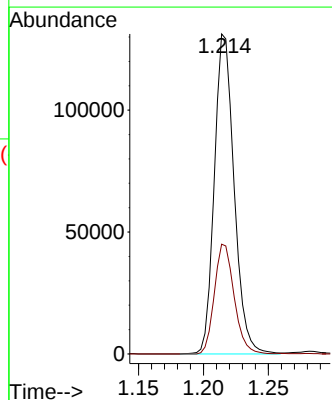
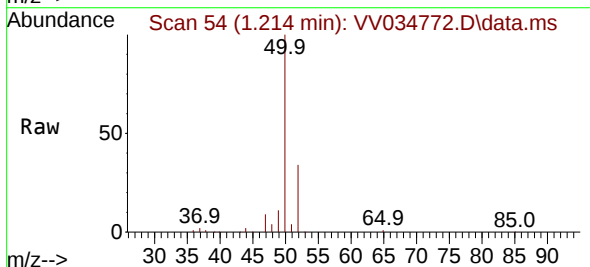
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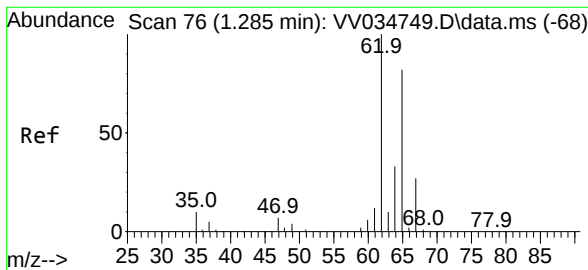
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#3
Chloromethane
Concen: 39.076 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion: 50 Resp: 138784
Ion Ratio Lower Upper
50 100
52 34.3 23.0 42.8





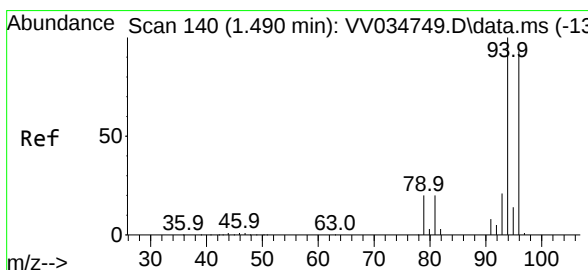
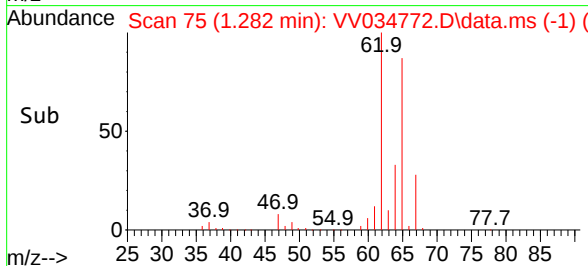
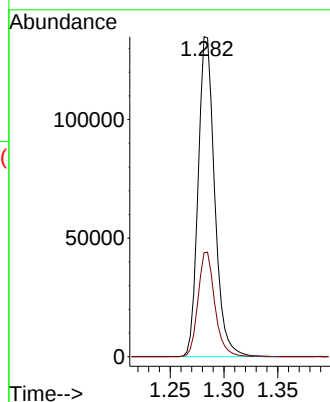
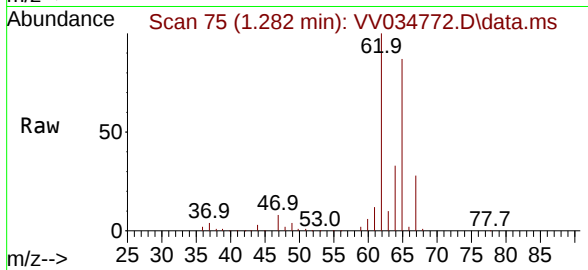
#5
Vinyl chloride
Concen: 41.840 ug/L
RT: 1.282 min Scan# 71
Delta R.T. -0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :
YCL13MS

Tgt Ion: 62 Resp: 144248
Ion Ratio Lower Upper
62 100
64 32.5 23.4 43.6

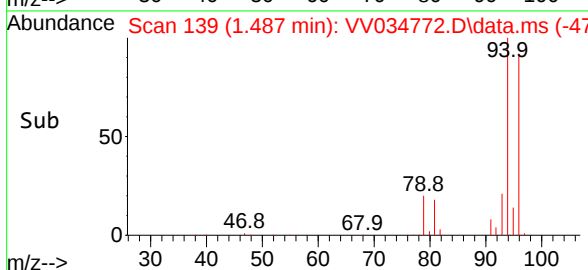
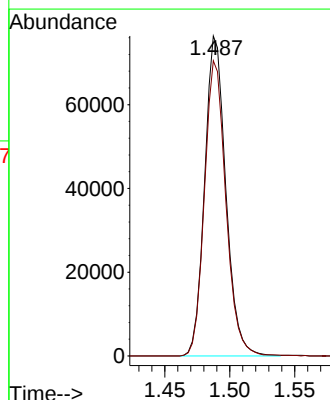
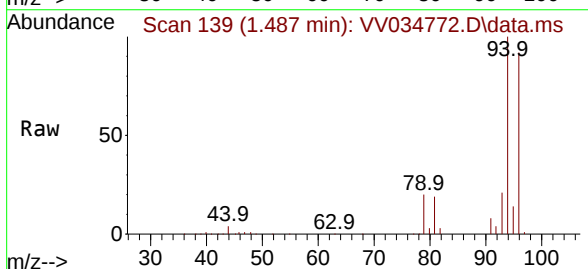
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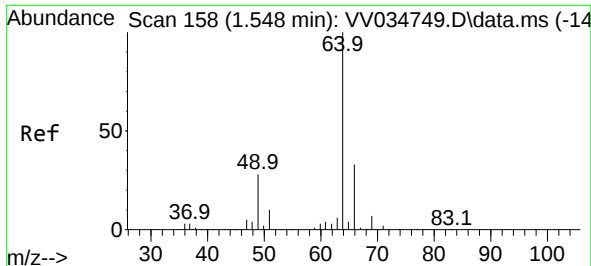
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#6
Bromomethane
Concen: 41.921 ug/L
RT: 1.487 min Scan# 139
Delta R.T. -0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion: 94 Resp: 86714
Ion Ratio Lower Upper
94 100
96 92.3 66.0 122.6





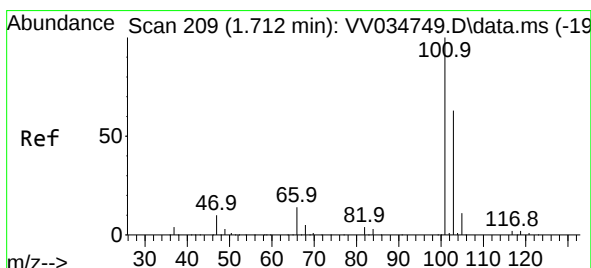
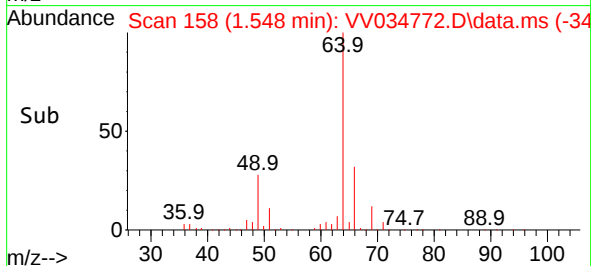
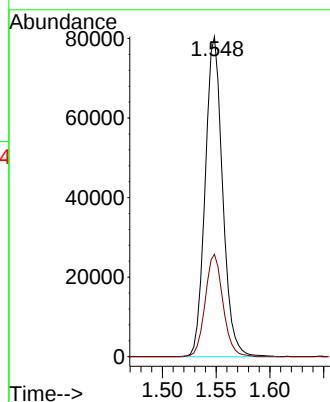
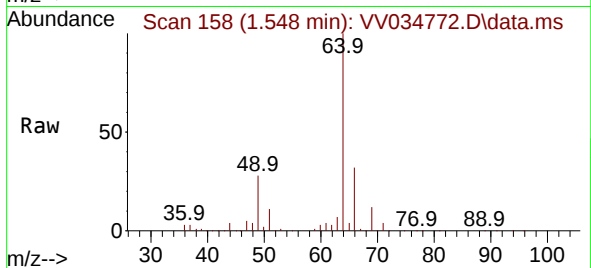
#8
Chloroethane
Concen: 44.370 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :
YCL13MS

Tgt Ion: 64 Resp: 9092
Ion Ratio Lower Upper
64 100
66 32.0 22.0 40.8

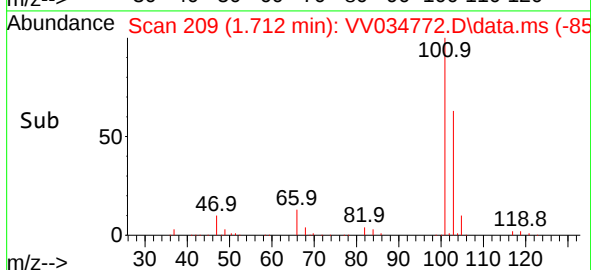
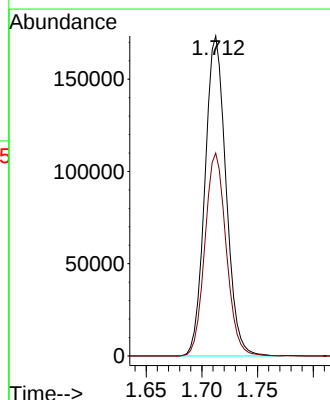
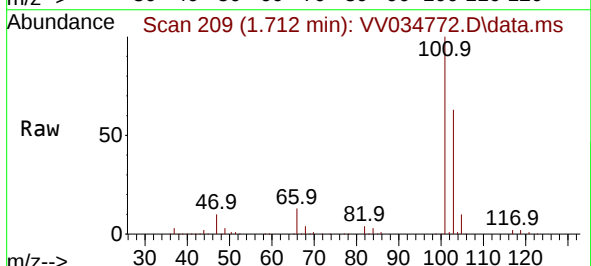
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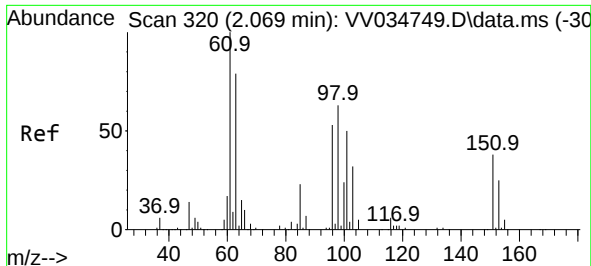
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#9
Trichlorofluoromethane
Concen: 44.132 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion:101 Resp: 227847
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8





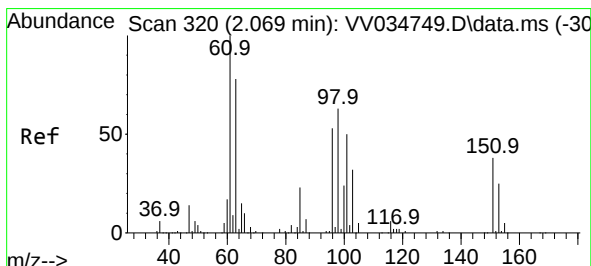
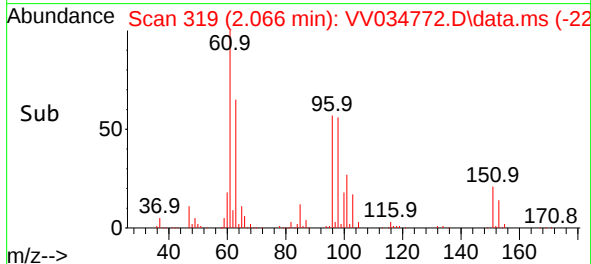
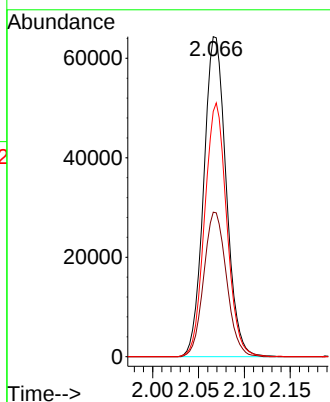
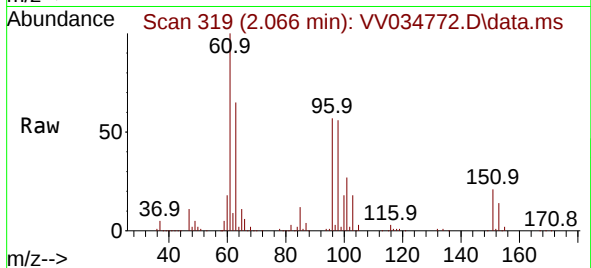
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 39.343 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :
YCL13MS

Tgt Ion:101 Resp: 109470
Ion Ratio Lower Upper
101 100
85 45.9 37.4 56.0
151 77.9 61.4 92.2

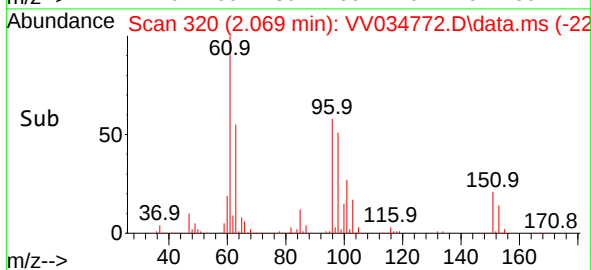
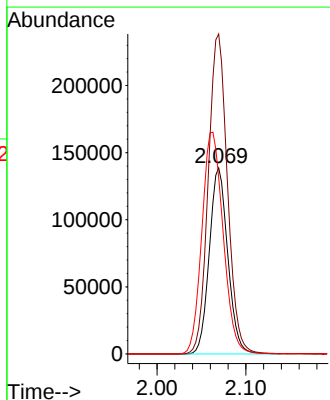
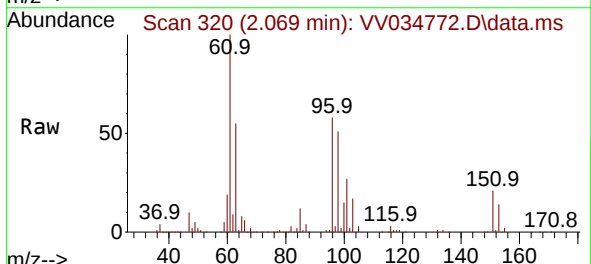
Manual Integrations
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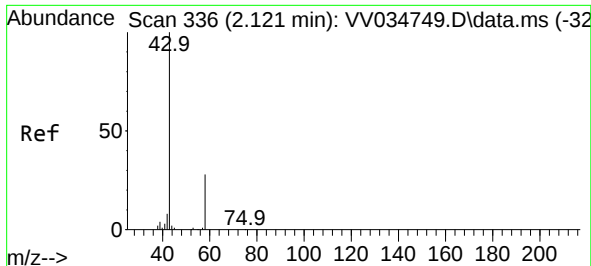
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#12
1,1-Dichloroethene
Concen: 77.658 ug/L m
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion: 96 Resp: 200379
Ion Ratio Lower Upper
96 100
61 172.0 128.9 239.3
63 94.7 98.0 182.0#





#13

Acetone

Concen: 328.350 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

YCL13MS

Tgt Ion: 43 Resp: 78854

Ion Ratio Lower Upper

43 100

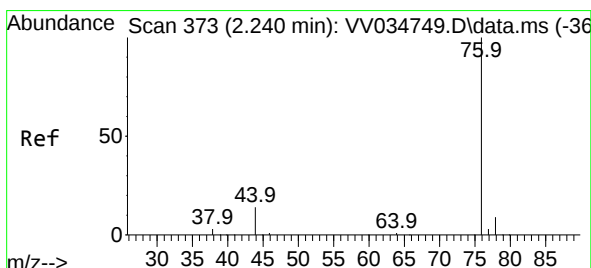
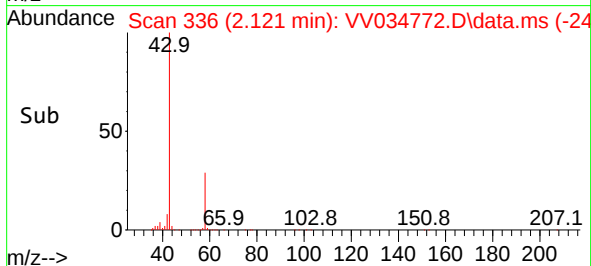
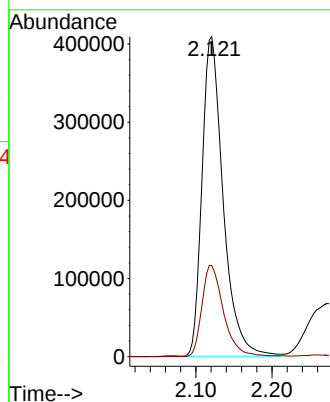
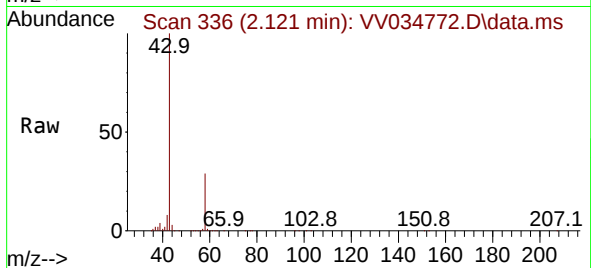
58 29.0 0.0 57.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 03/22/2024

Supervised By :Semsettin Yesilyurt 03/22/2024



#14

Carbon disulfide

Concen: 38.720 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV034772.D

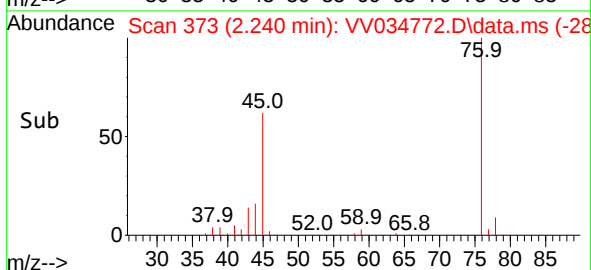
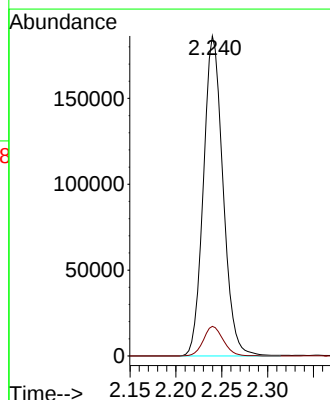
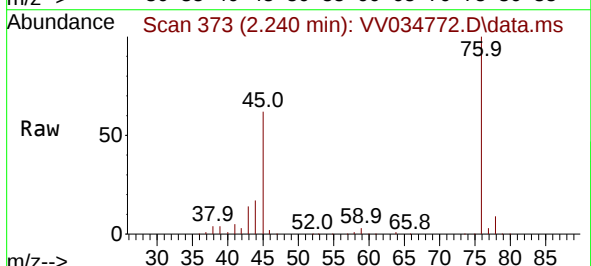
Acq: 20 Mar 2024 18:55

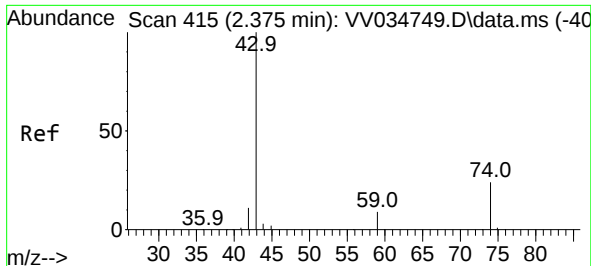
Tgt Ion: 76 Resp: 277277

Ion Ratio Lower Upper

76 100

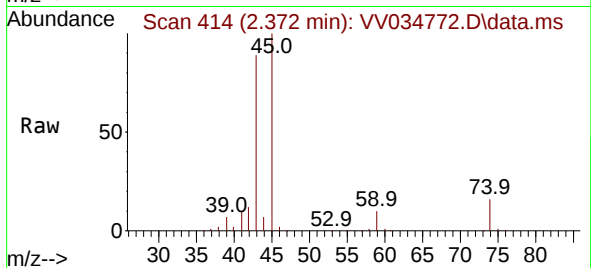
78 9.3 7.5 11.3





#15
Methyl Acetate
Concen: 52.556 ug/L
RT: 2.372 min Scan# 415
Delta R.T. -0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

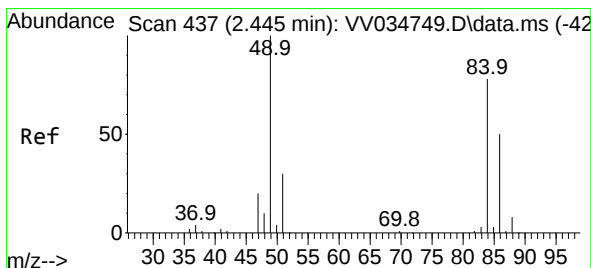
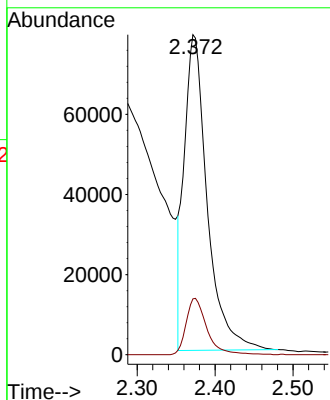
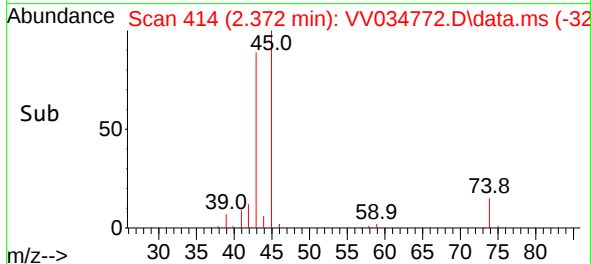
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



Tgt Ion: 43 Resp: 16147
Ion Ratio Lower Upper
43 100
74 16.1 17.8 26.8

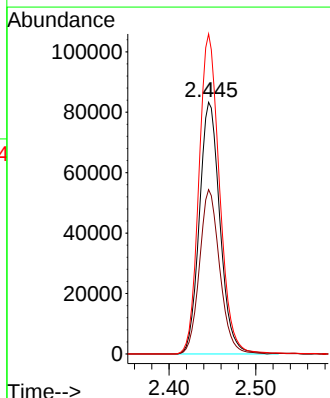
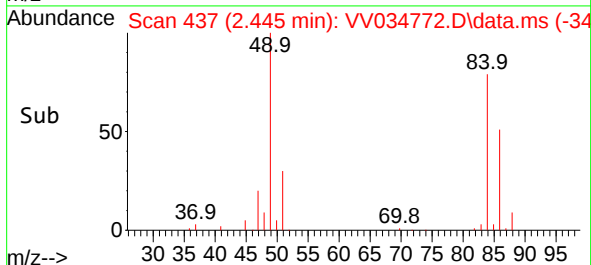
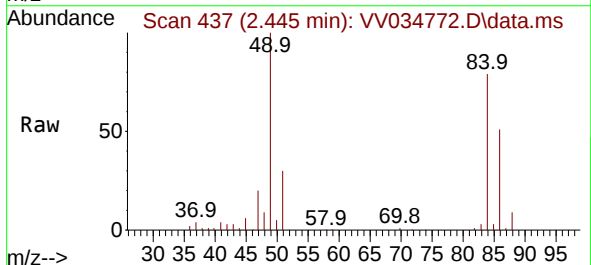
Manual Integrations
APPROVED

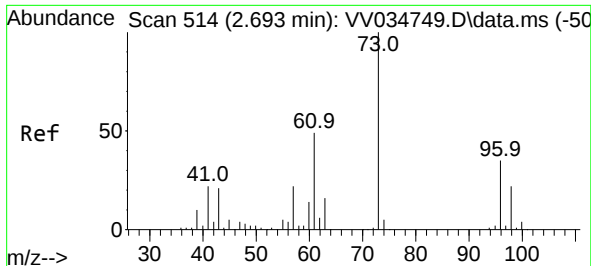
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#16
Methylene chloride
Concen: 50.281 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

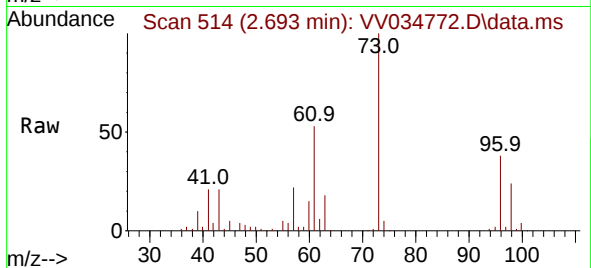
Tgt Ion: 84 Resp: 137620
Ion Ratio Lower Upper
84 100
86 65.3 45.6 84.6
49 127.1 92.3 171.3





#17
trans-1,2-Dichloroethene
Concen: 47.239 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

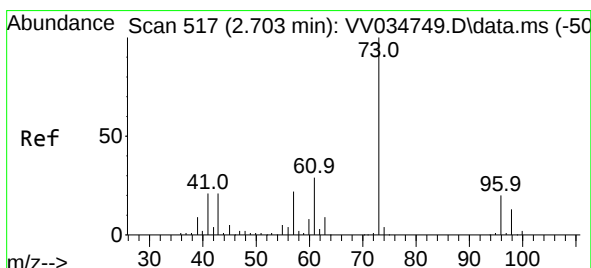
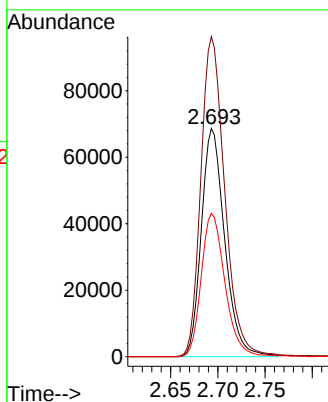
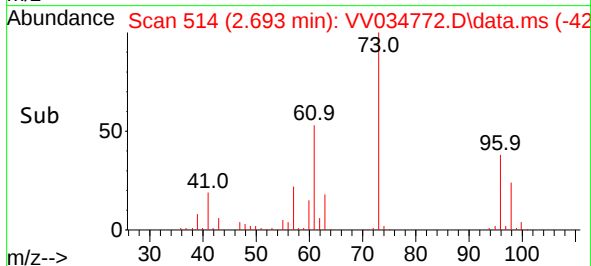
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



Tgt Ion: 96 Resp: 117979
Ion Ratio Lower Upper
96 100
61 140.3 98.8 183.4
98 62.9 46.1 85.5

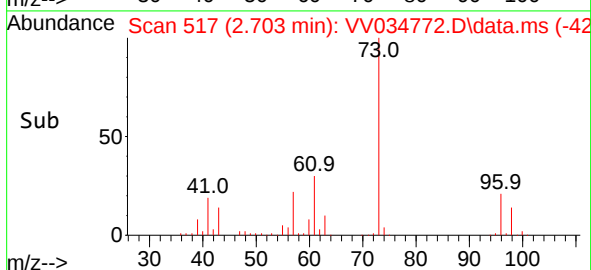
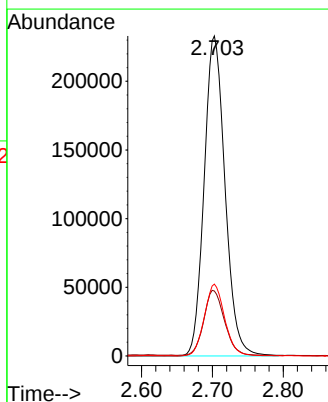
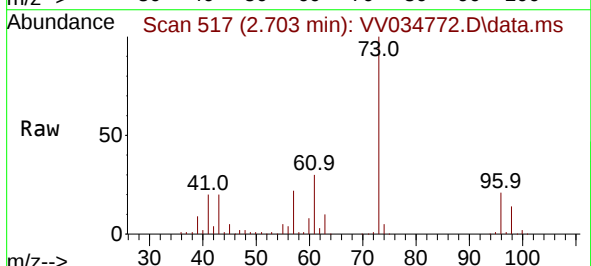
Manual Integrations
APPROVED

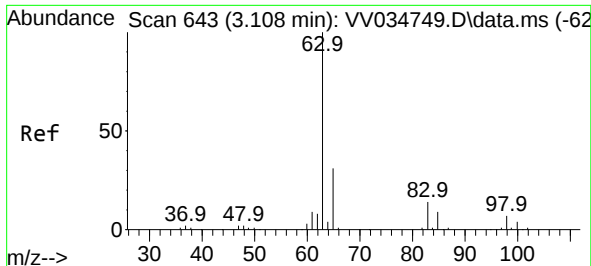
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#18
Methyl tert-butyl Ether
Concen: 53.163 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion: 73 Resp: 476798
Ion Ratio Lower Upper
73 100
43 20.5 17.1 25.7
57 21.9 17.6 26.4





#19

1,1-Dichloroethane

Concen: 59.895 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

YCL13MS

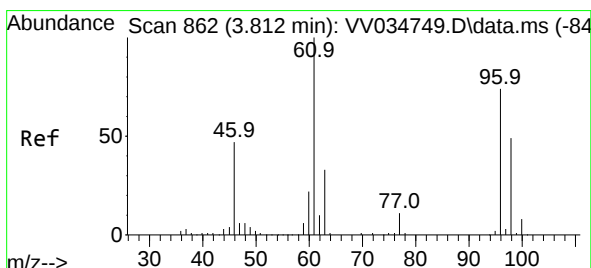
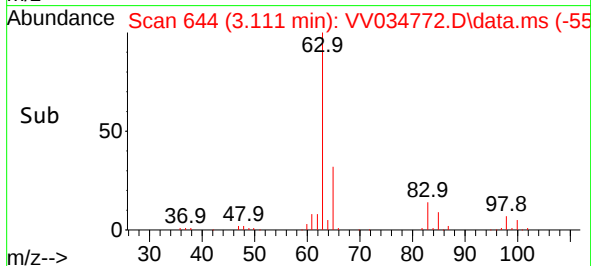
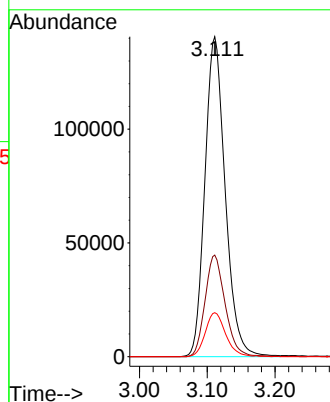
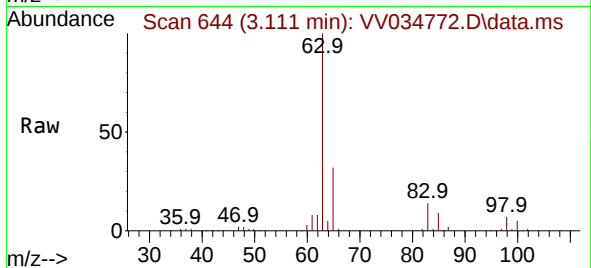
Tgt Ion: 63 Resp: 293024

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.1	41.1
83	13.8	9.9	18.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#20

cis-1,2-Dichloroethene

Concen: 63.641 ug/L

RT: 3.812 min Scan# 862

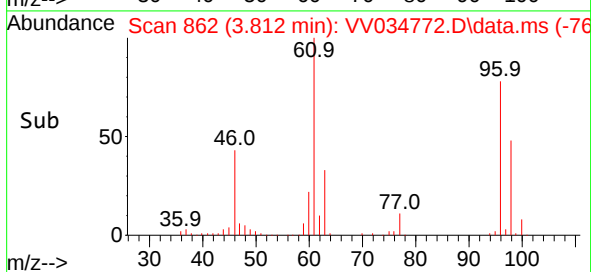
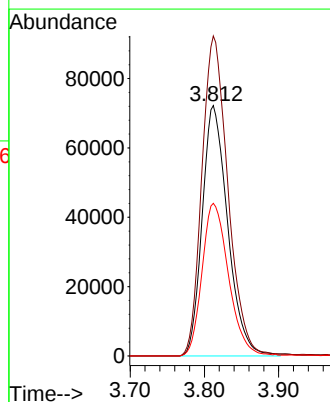
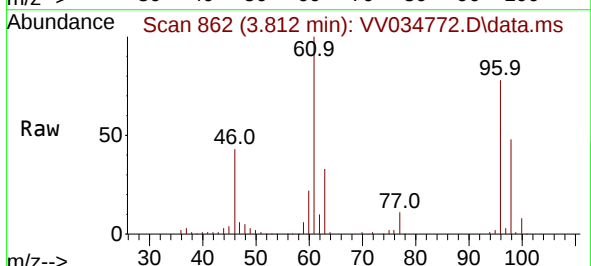
Delta R.T. 0.000 min

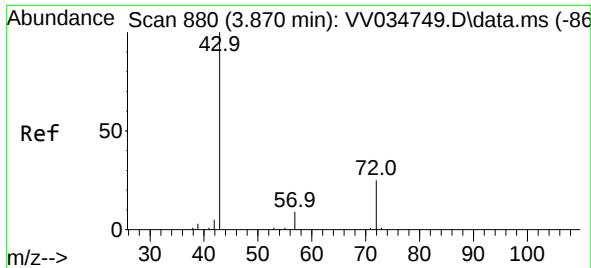
Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Tgt Ion: 96 Resp: 172447

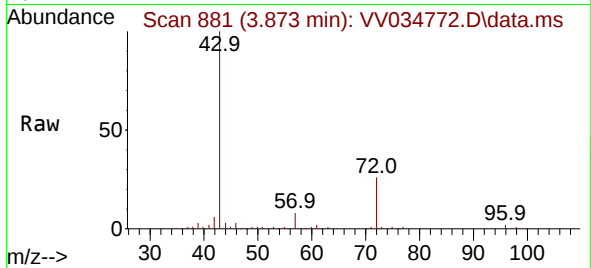
Ion	Ratio	Lower	Upper
96	100		
61	127.8	96.0	178.4
98	61.0	46.0	85.4





#22
2-Butanone
Concen: 91.300 ug/L
RT: 3.873 min Scan# 880
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

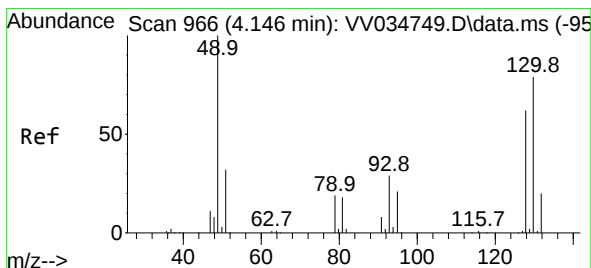
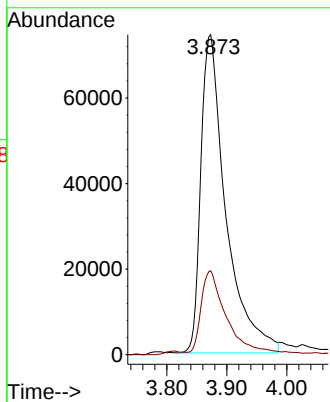
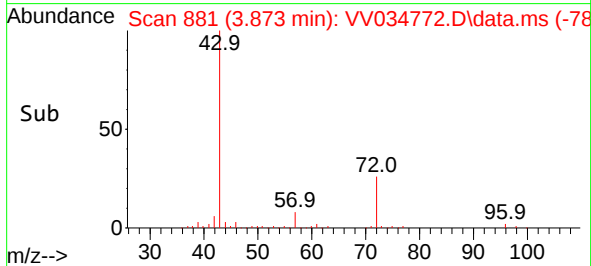
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



Tgt Ion: 43 Resp: 216514
Ion Ratio Lower Upper
43 100
72 25.3 11.5 34.4

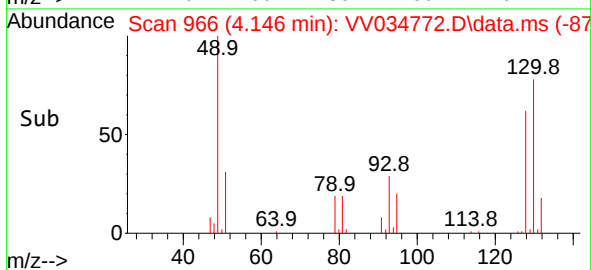
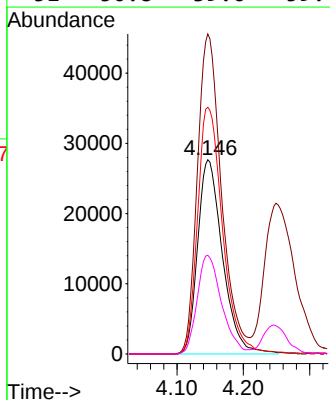
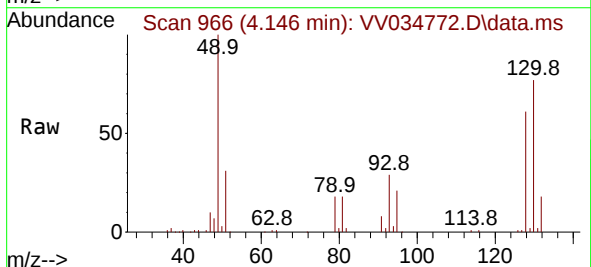
Manual Integrations
APPROVED

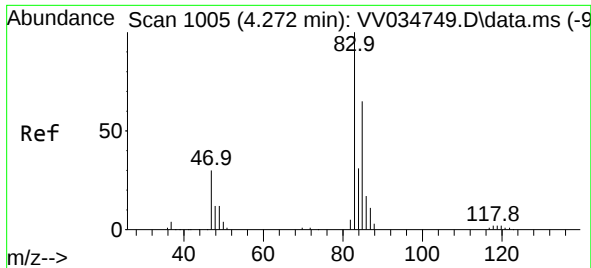
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#23
Bromochloromethane
Concen: 51.268 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion:128 Resp: 71835
Ion Ratio Lower Upper
128 100
49 164.7 109.4 203.2
130 126.9 87.7 162.9
51 50.8 39.6 59.4





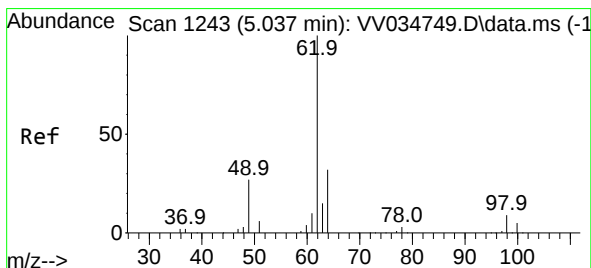
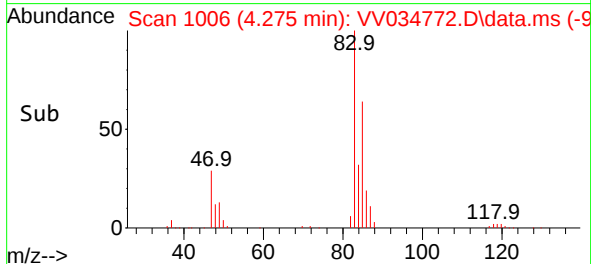
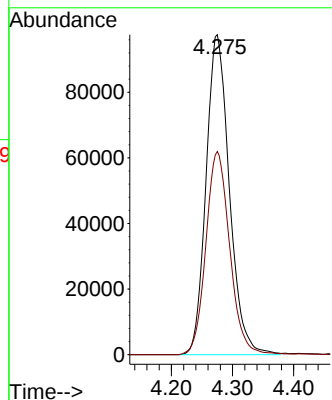
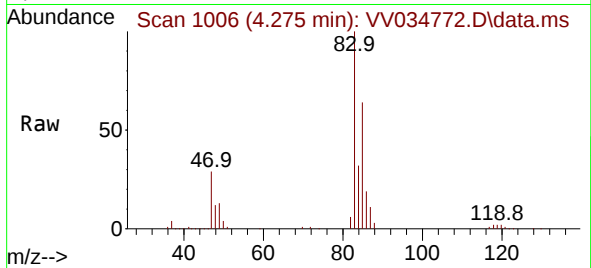
#25
Chloroform
Concen: 50.933 ug/L
RT: 4.275 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :
YCL13MS

Tgt Ion: 83 Resp: 258269
Ion Ratio Lower Upper
83 100
85 63.5 45.5 84.5

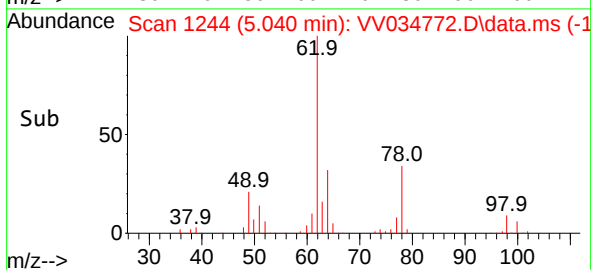
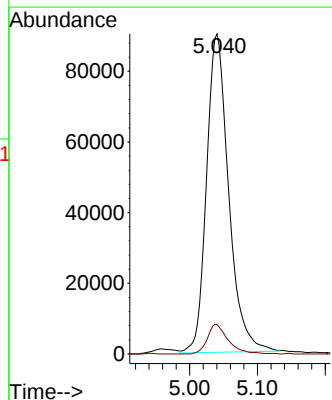
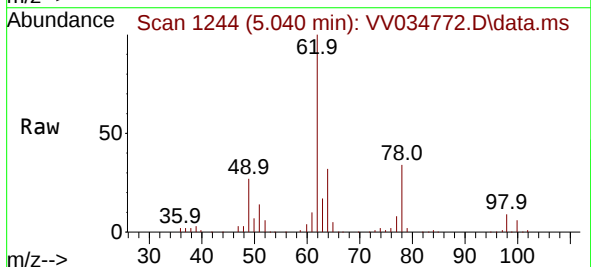
Manual Integrations
APPROVED

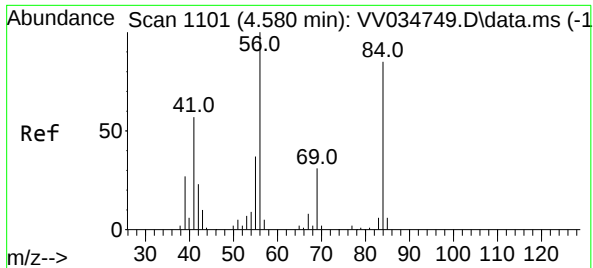
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#27
1,2-Dichloroethane
Concen: 49.617 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

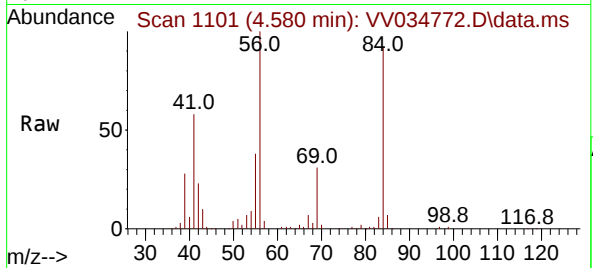
Tgt Ion: 62 Resp: 204416
Ion Ratio Lower Upper
62 100
98 9.2 6.6 10.0





#29
Cyclohexane
Concen: 42.695 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

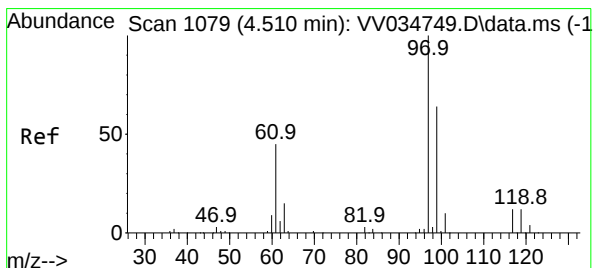
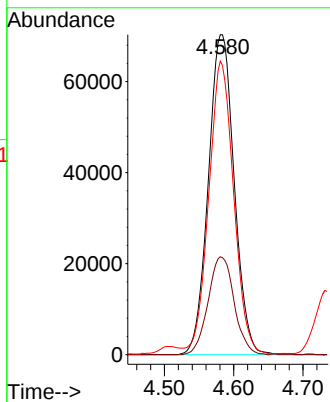
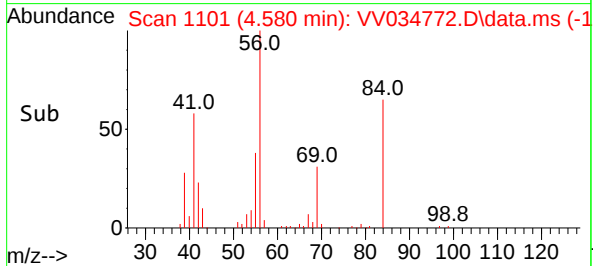
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



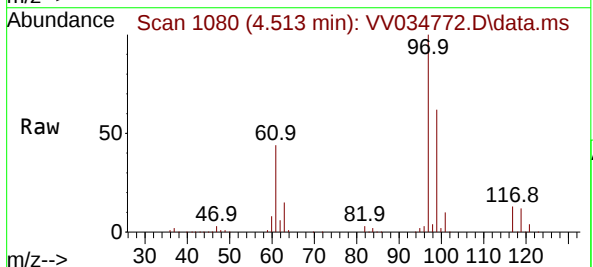
Tgt Ion: 56 Resp: 182458
Ion Ratio Lower Upper
56 100
69 30.8 24.2 36.4
84 87.6 70.5 105.7

Manual Integrations
APPROVED

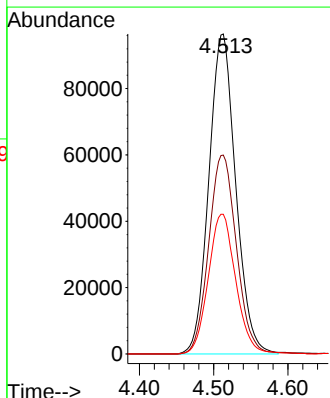
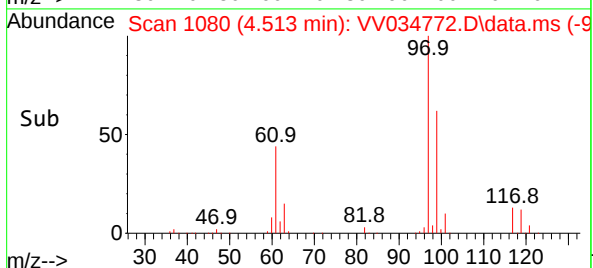
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024

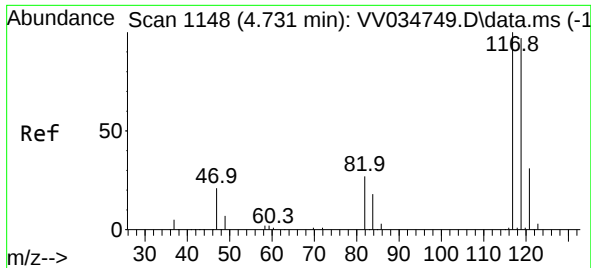


#30
1,1,1-Trichloroethane
Concen: 52.070 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55



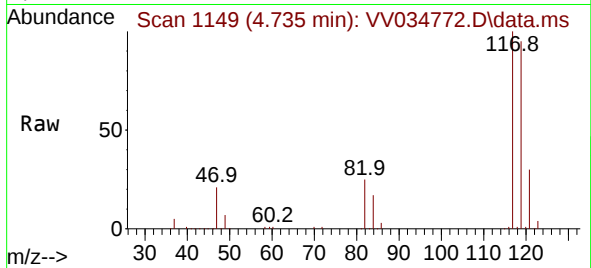
Tgt Ion: 97 Resp: 242595
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 44.7 36.0 54.0





#31
Carbon tetrachloride
Concen: 48.011 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

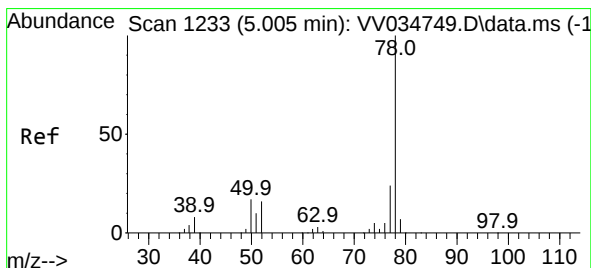
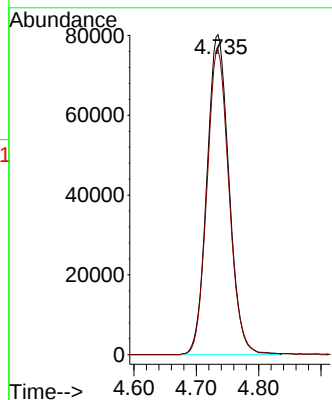
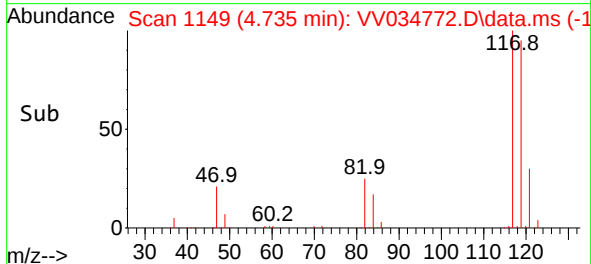
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



Tgt Ion:117 Resp: 198040
Ion Ratio Lower Upper
117 100
119 94.9 77.5 116.3

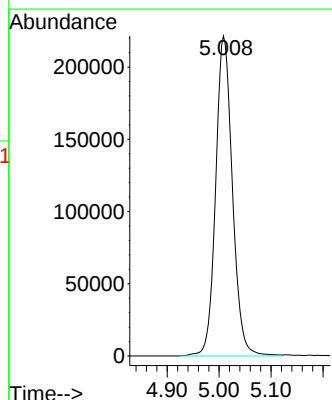
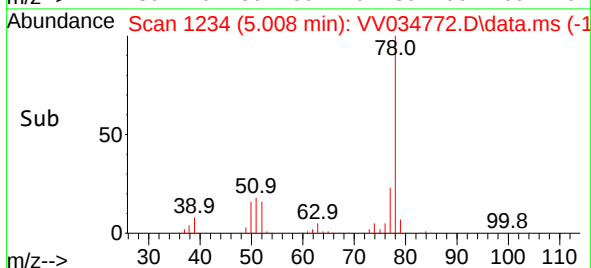
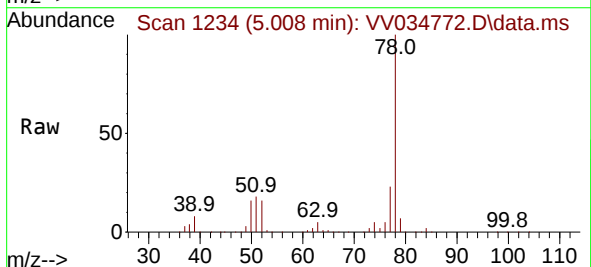
Manual Integrations
APPROVED

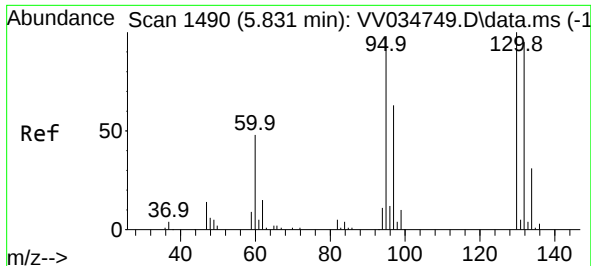
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#33
Benzene
Concen: 49.309 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

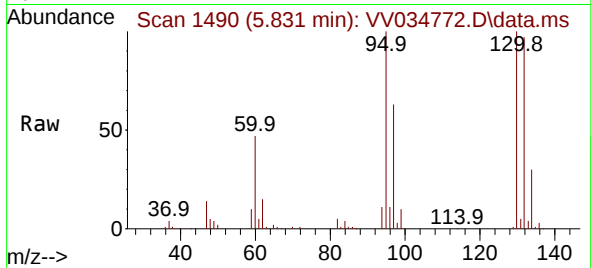
Tgt Ion: 78 Resp: 497275





#34
Trichloroethene
Concen: 52.876 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

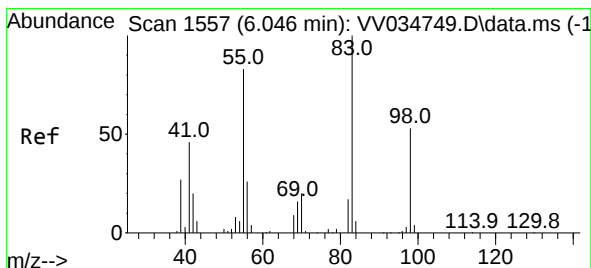
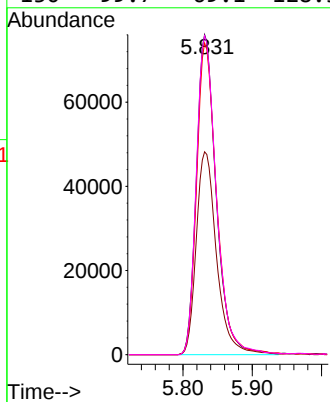
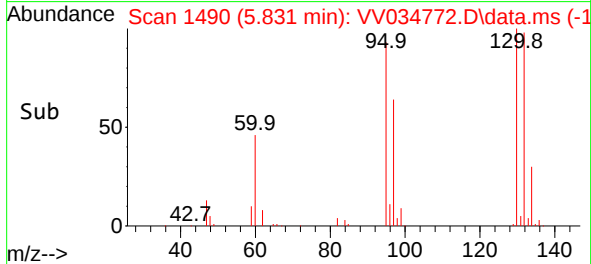
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



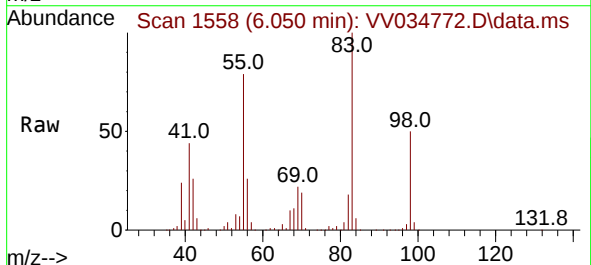
Tgt Ion: 95 Resp: 151580
Ion Ratio Lower Upper
95 100
97 63.4 44.7 83.1
132 97.4 65.3 121.3
130 99.7 69.1 128.3

Manual Integrations
APPROVED

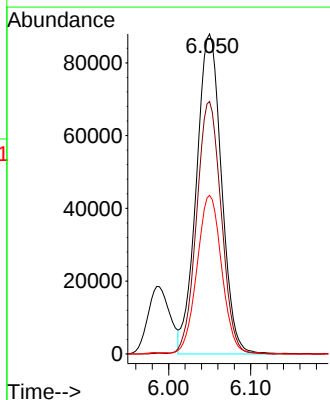
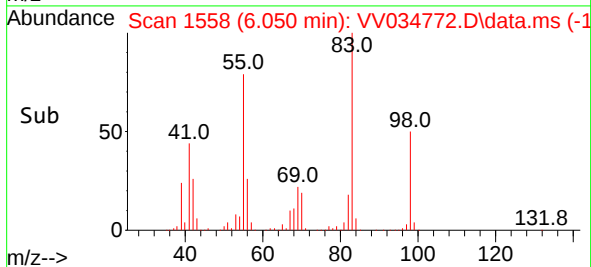
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024

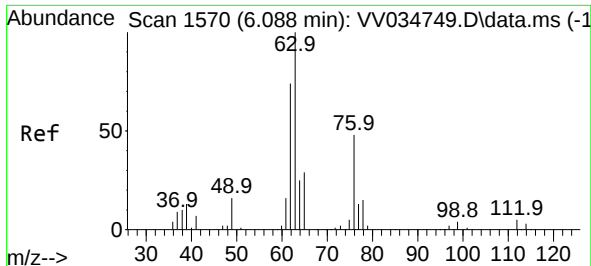


#35
Methylcyclohexane
Concen: 42.944 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55



Tgt Ion: 83 Resp: 187155
Ion Ratio Lower Upper
83 100
55 77.4 62.6 94.0
98 48.9 39.5 59.3





#37

1,2-Dichloropropane

Concen: 51.457 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

YCL13MS

Tgt Ion: 63 Resp: 135864

Ion Ratio Lower Upper

63 100

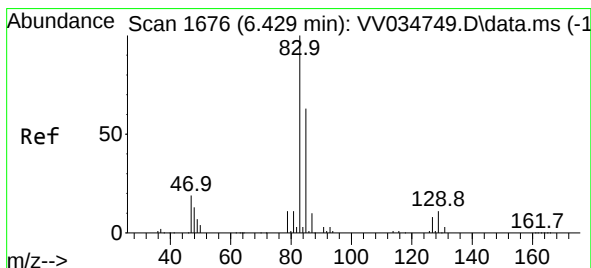
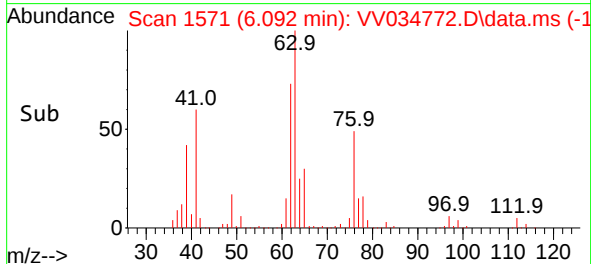
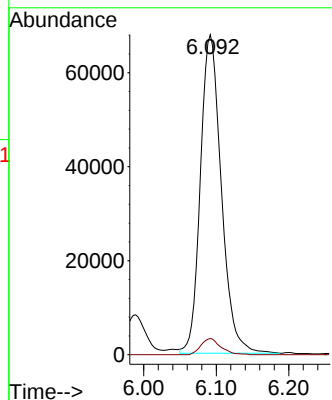
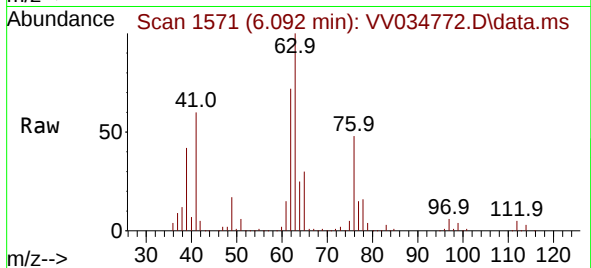
112 4.8 3.5 5.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024

Supervised By :Semsettin Yesilyurt 03/22/2024



#38

Bromodichloromethane

Concen: 50.745 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

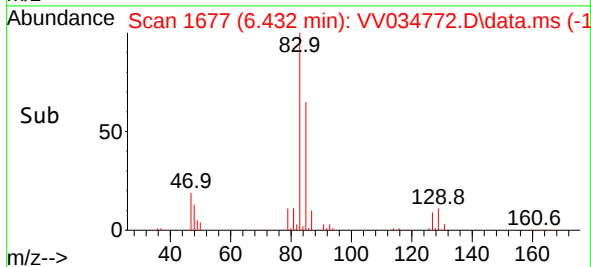
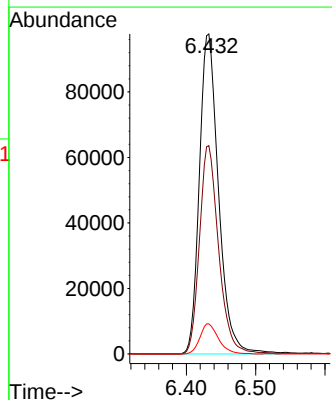
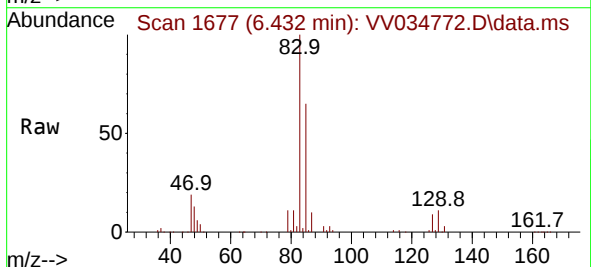
Tgt Ion: 83 Resp: 188464

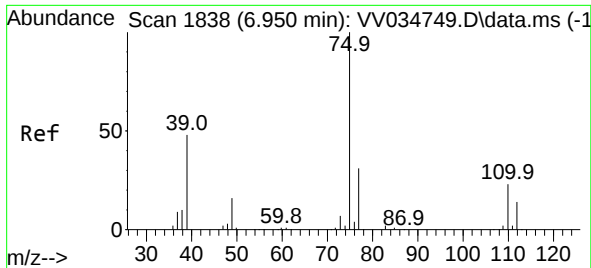
Ion Ratio Lower Upper

83 100

85 65.1 44.6 82.8

127 9.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 46.949 ug/L

RT: 6.953 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

YCL13MS

Tgt Ion: 75 Resp: 20084

Ion Ratio Lower Upper

75 100

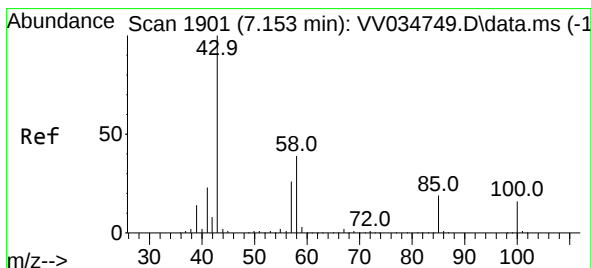
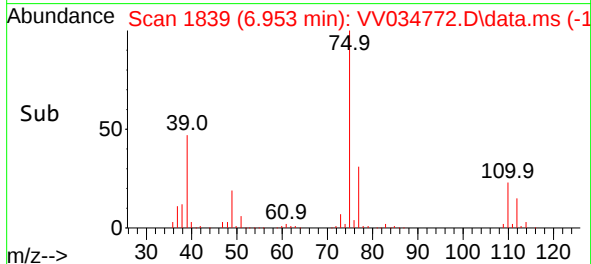
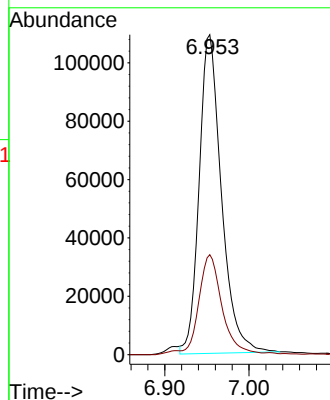
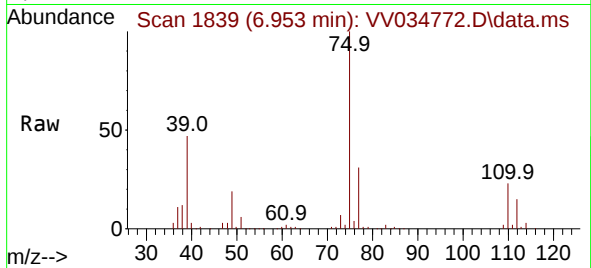
77 31.2 20.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024

Supervised By :Semsettin Yesilyurt 03/22/2024



#40

4-Methyl-2-pentanone

Concen: 108.440 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

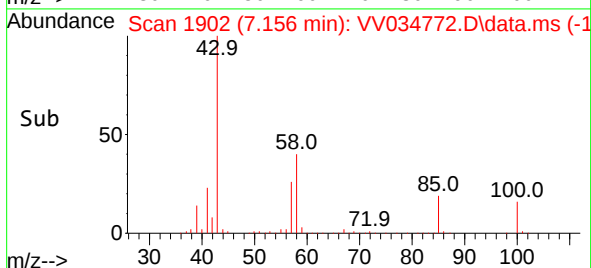
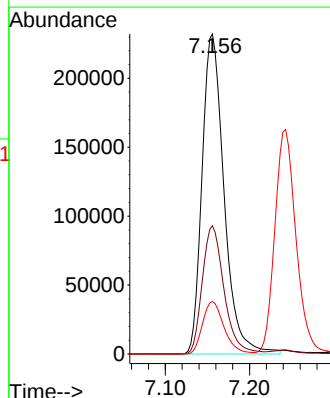
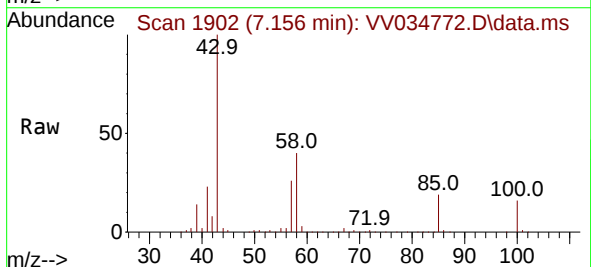
Tgt Ion: 43 Resp: 422193

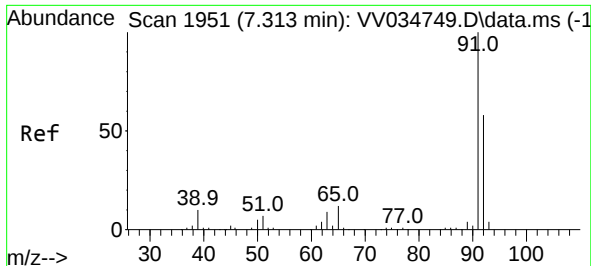
Ion Ratio Lower Upper

43 100

58 39.5 30.6 46.0

100 16.0 12.5 18.7





#42

Toluene

Concen: 49.330 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

YCL13MS

Tgt Ion: 91 Resp: 526519

Ion Ratio Lower Upper

91 100

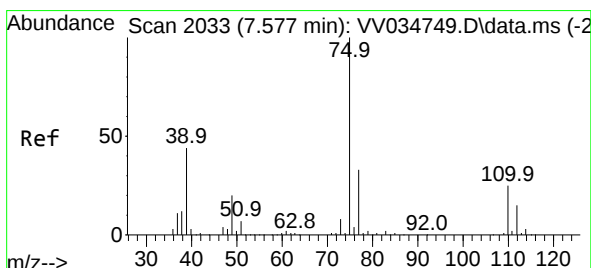
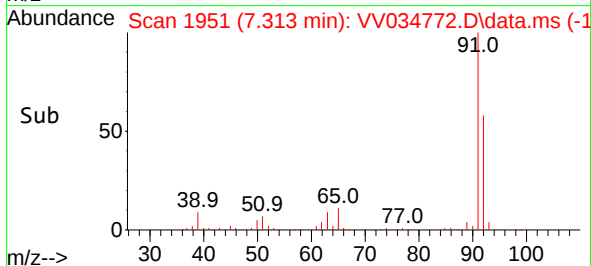
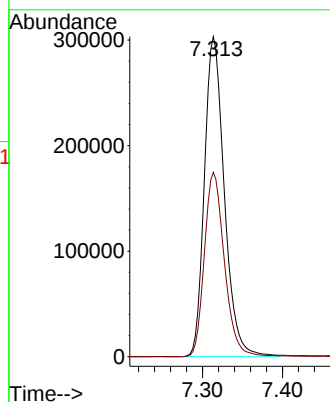
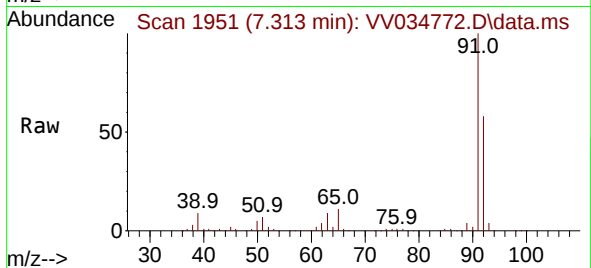
92 57.6 40.5 75.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024

Supervised By :Semsettin Yesilyurt 03/22/2024



#44

trans-1,3-Dichloropropene

Concen: 47.993 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034772.D

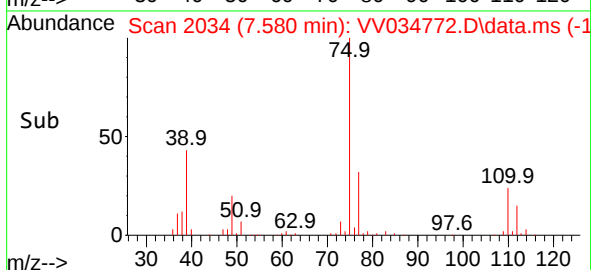
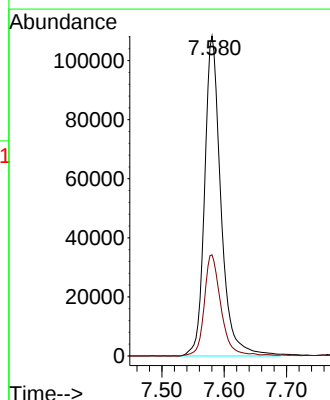
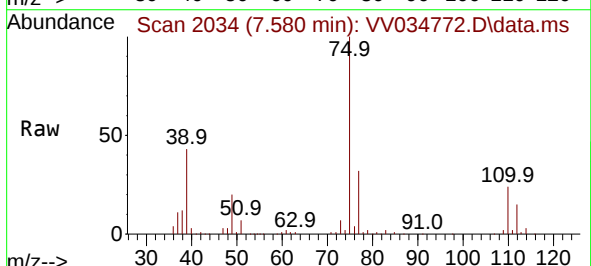
Acq: 20 Mar 2024 18:55

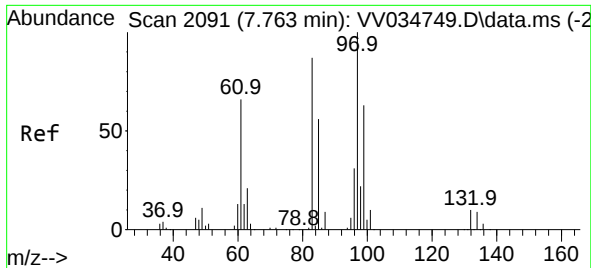
Tgt Ion: 75 Resp: 197457

Ion Ratio Lower Upper

75 100

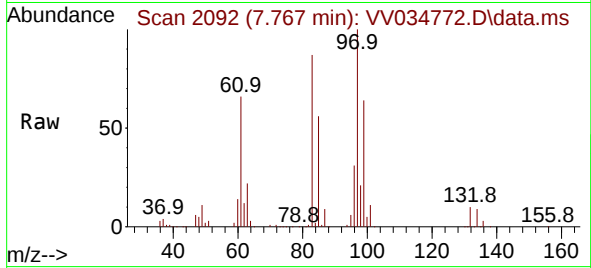
77 31.6 21.8 40.4





#45
1,1,2-Trichloroethane
Concen: 54.037 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

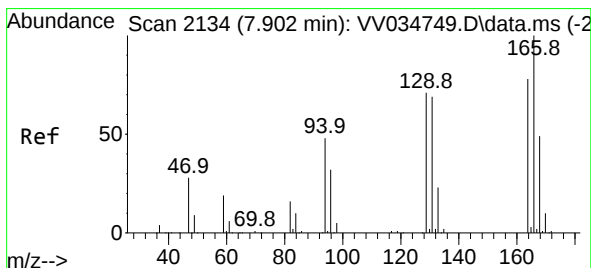
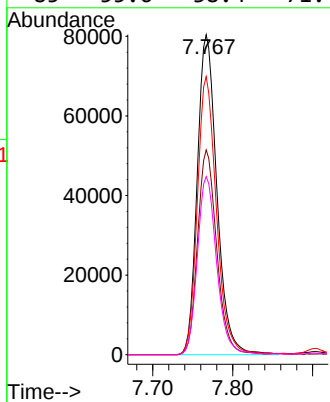
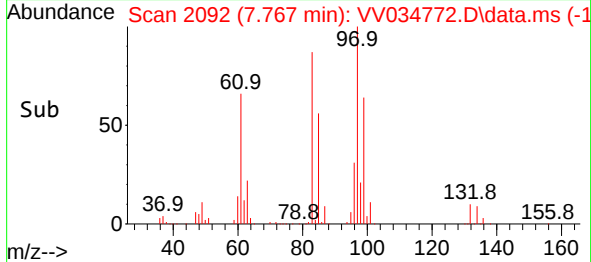
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



Tgt Ion: 97 Resp: 13766
Ion Ratio Lower Upper
97 100
99 64.0 43.8 81.4
83 86.9 59.4 110.2
85 55.6 38.4 71.4

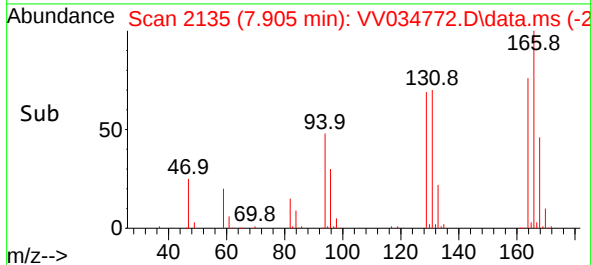
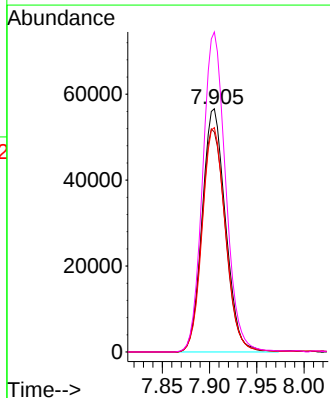
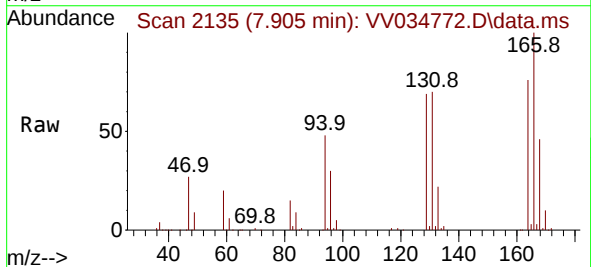
Manual Integrations
APPROVED

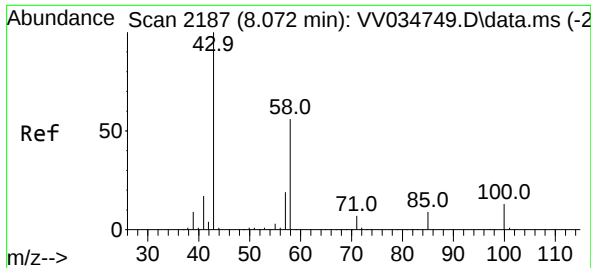
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#46
Tetrachloroethene
Concen: 45.583 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

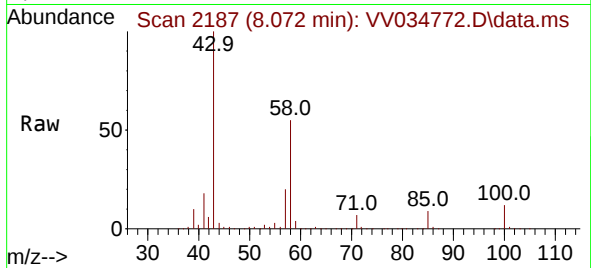
Tgt Ion:164 Resp: 97181
Ion Ratio Lower Upper
164 100
129 90.4 65.7 121.9
131 92.3 62.2 115.6
166 131.6 89.7 166.7





#48
2-Hexanone
Concen: 109.231 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

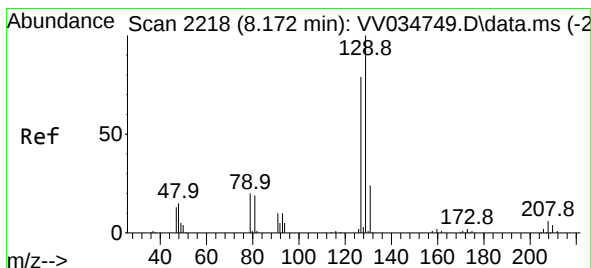
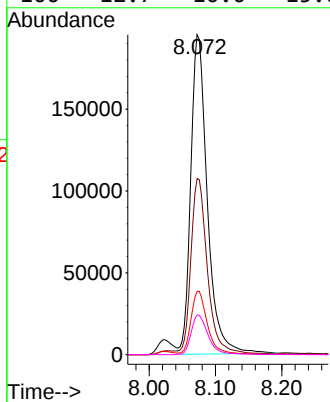
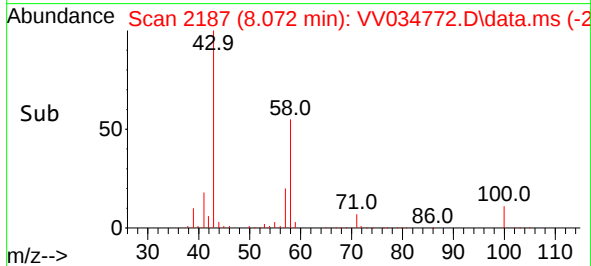
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



Tgt Ion: 43 Resp: 338870
Ion Ratio Lower Upper
43 100
58 54.7 42.0 63.0
57 19.6 15.2 22.8
100 12.7 10.0 15.0

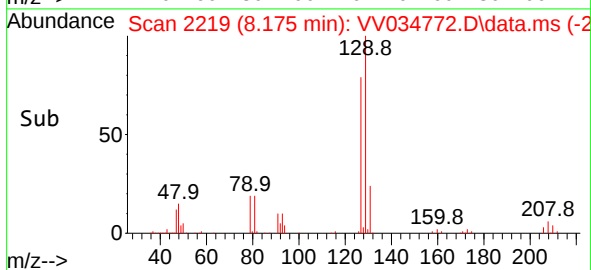
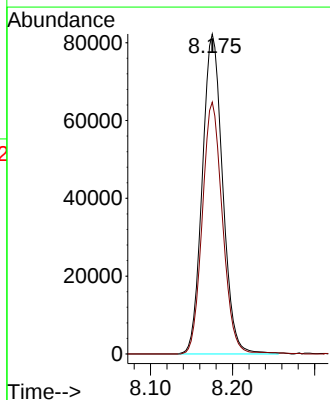
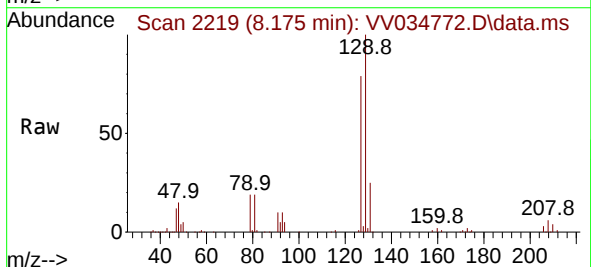
Manual Integrations
APPROVED

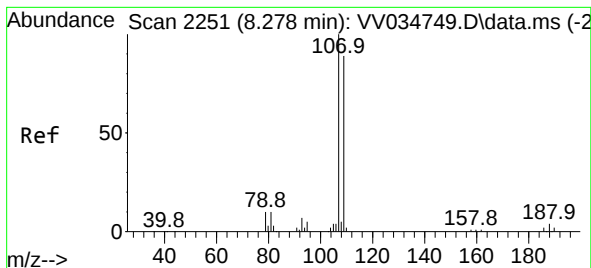
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#49
Dibromochloromethane
Concen: 52.789 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion:129 Resp: 141917
Ion Ratio Lower Upper
129 100
127 78.7 53.3 98.9





#50

1,2-Dibromoethane

Concen: 51.807 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

YCL13MS

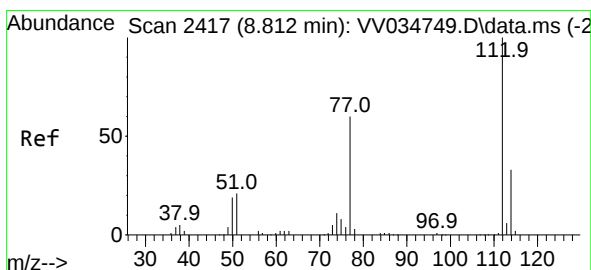
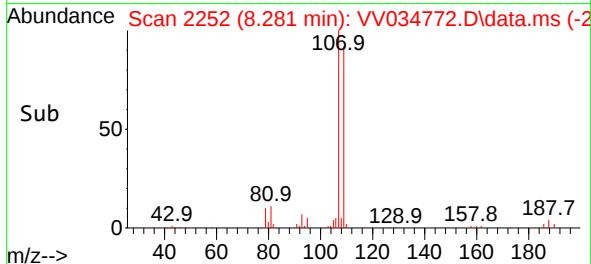
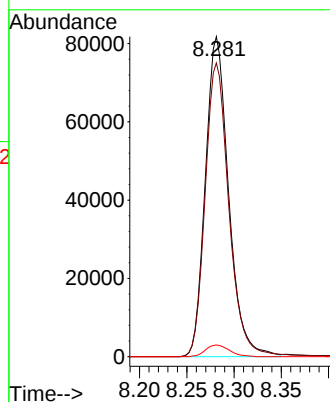
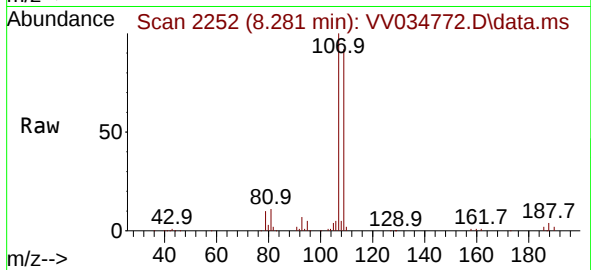
Tgt Ion:107 Resp: 140052

Ion	Ratio	Lower	Upper
107	100		
109	91.8	66.5	123.5
188	3.7	3.4	5.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#51

Chlorobenzene

Concen: 49.606 ug/L

RT: 8.812 min Scan# 2417

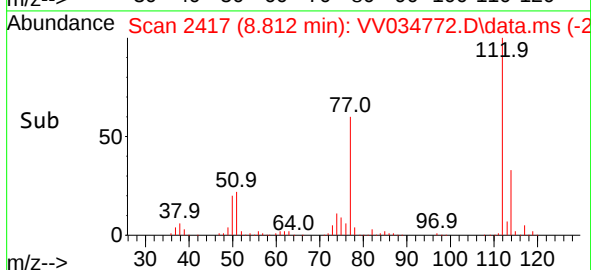
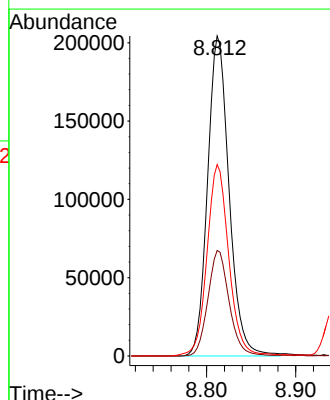
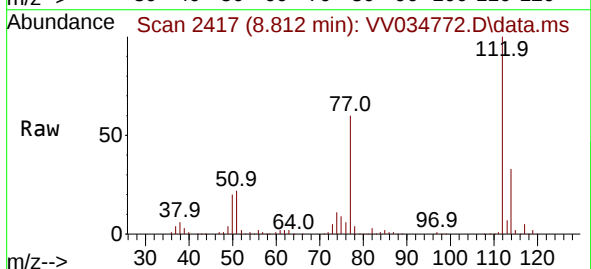
Delta R.T. 0.000 min

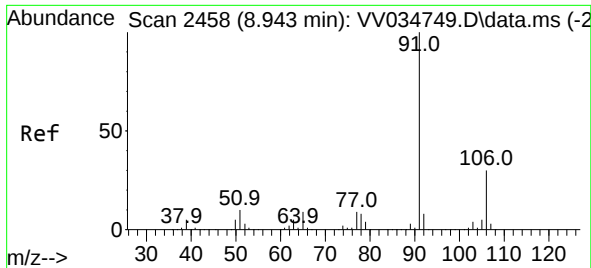
Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Tgt Ion:112 Resp: 342291

Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.3	41.5
77	59.8	47.7	71.5





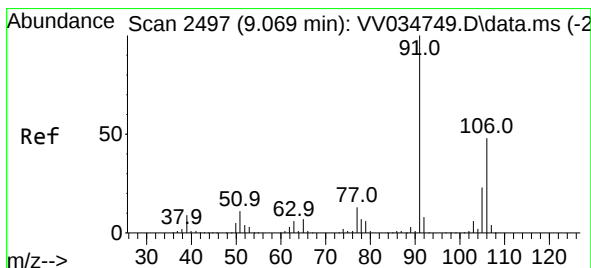
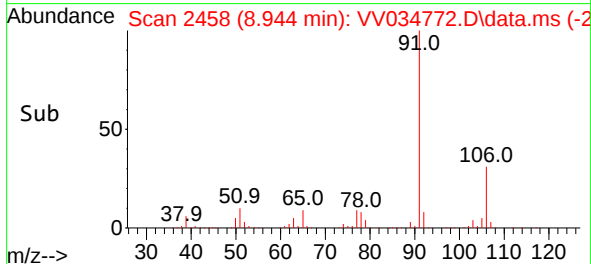
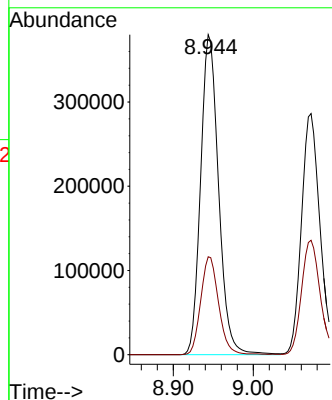
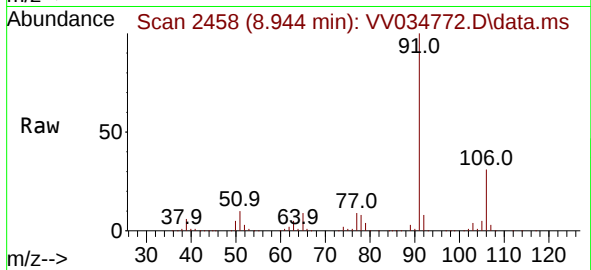
#52
Ethylbenzene
Concen: 49.711 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :
YCL13MS

Tgt Ion: 91 Resp: 594514
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.5

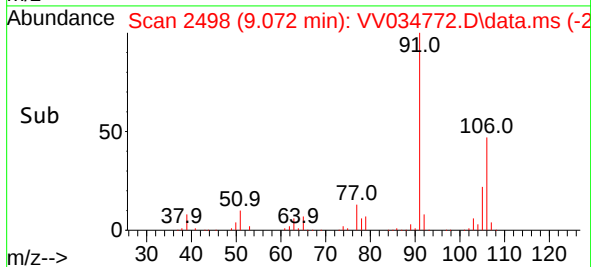
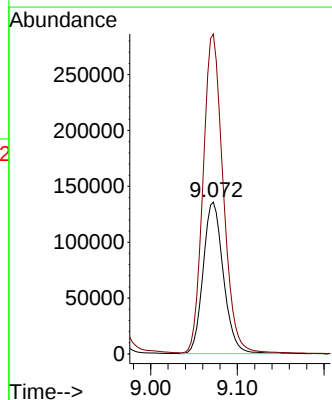
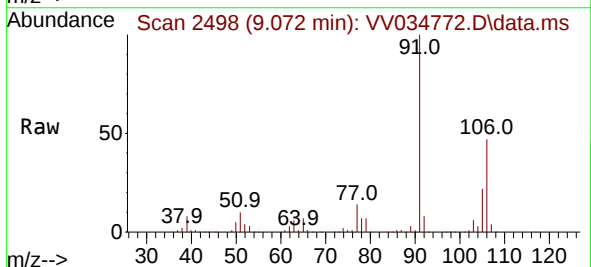
Manual Integrations
APPROVED

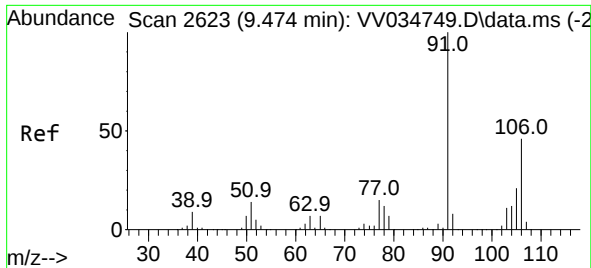
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#53
m,p-Xylene
Concen: 48.526 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion:106 Resp: 220226
Ion Ratio Lower Upper
106 100
91 210.6 145.3 269.9





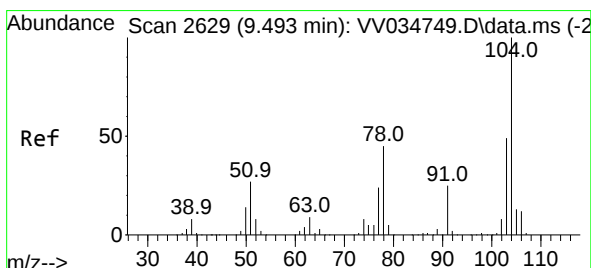
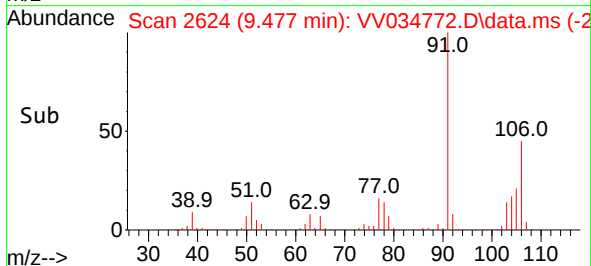
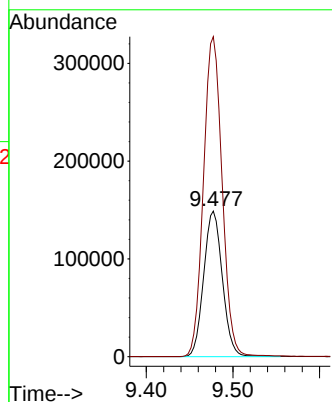
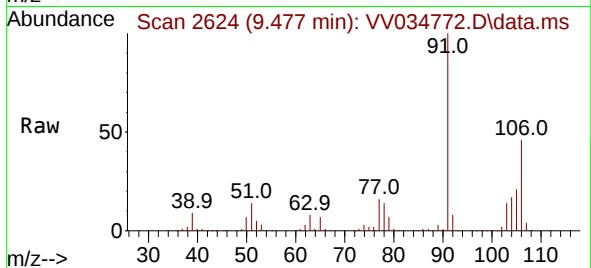
#54
o-Xylene
Concen: 50.225 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :
YCL13MS

Tgt Ion:106 Resp: 223200
Ion Ratio Lower Upper
106 100
91 219.8 152.2 282.7

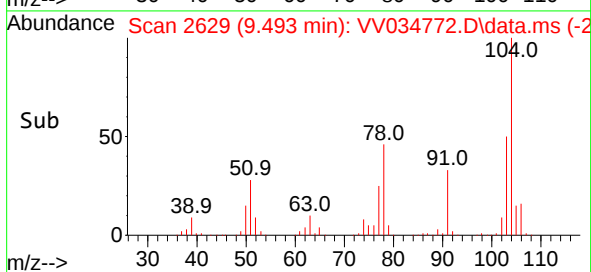
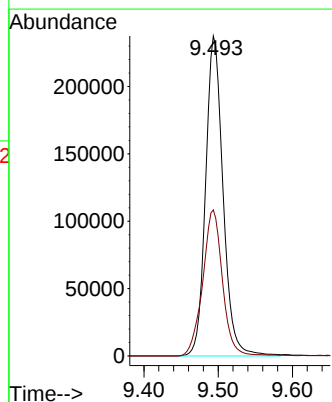
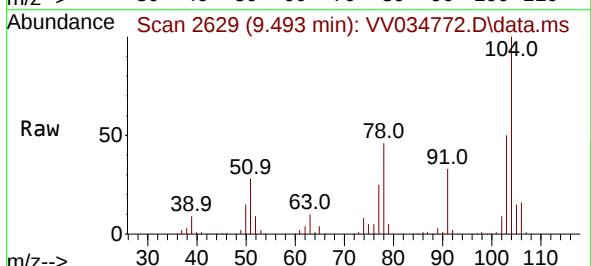
Manual Integrations
APPROVED

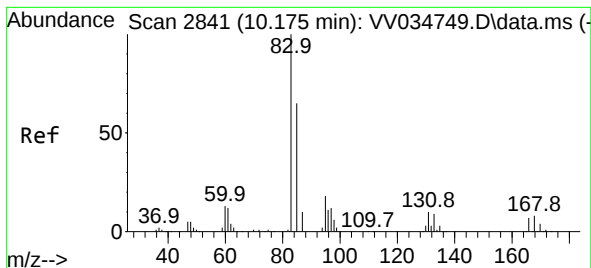
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#55
Styrene
Concen: 51.485 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

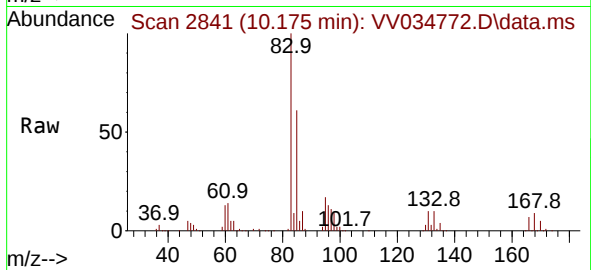
Tgt Ion:104 Resp: 387387
Ion Ratio Lower Upper
104 100
78 45.6 33.0 61.4





#57
1,1,2,2-Tetrachloroethane
Concen: 55.902 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

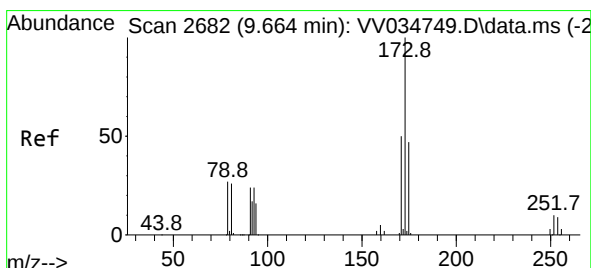
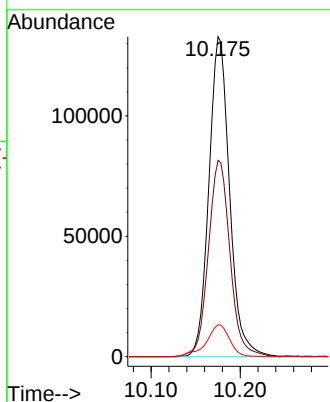
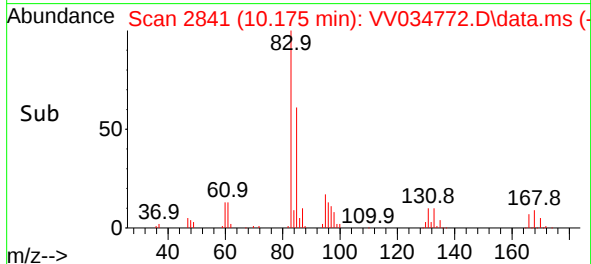
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



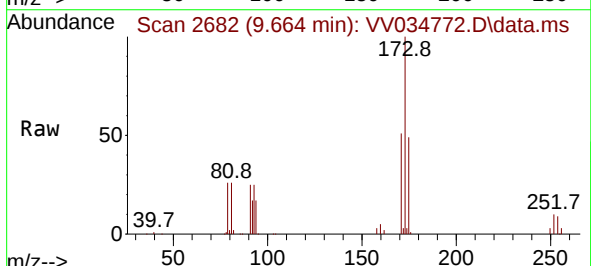
Tgt Ion: 83 Resp: 21390
Ion Ratio Lower Upper
83 100
85 61.4 45.4 84.2
131 10.0 8.3 12.5

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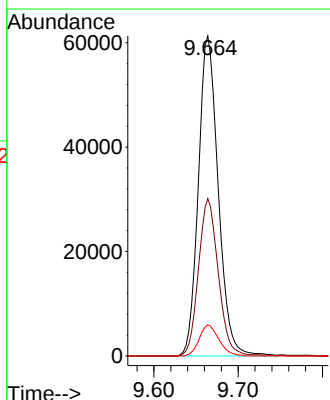
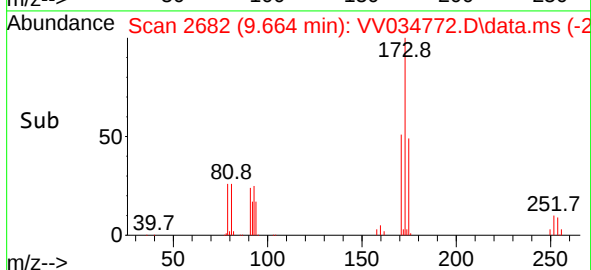
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024

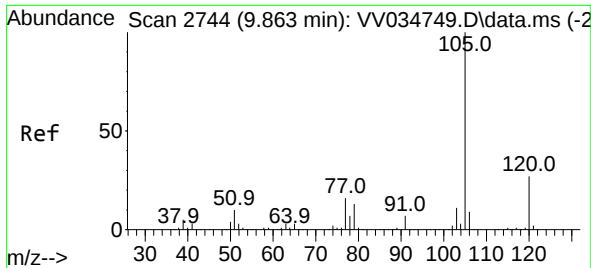


#59
Bromoform
Concen: 53.340 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55



Tgt Ion:173 Resp: 100731
Ion Ratio Lower Upper
173 100
175 48.7 39.1 58.7
254 9.6 7.8 11.8





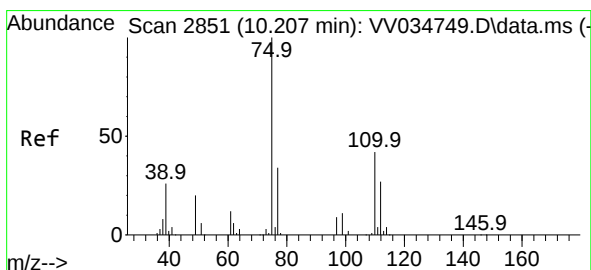
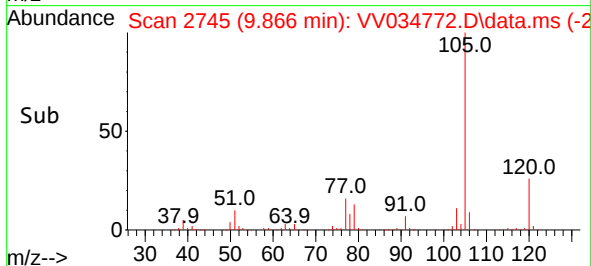
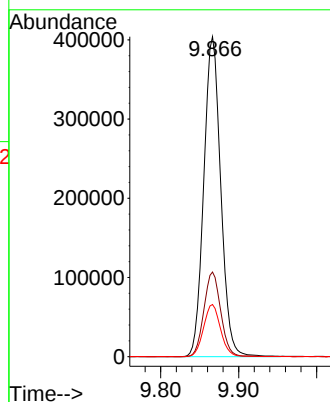
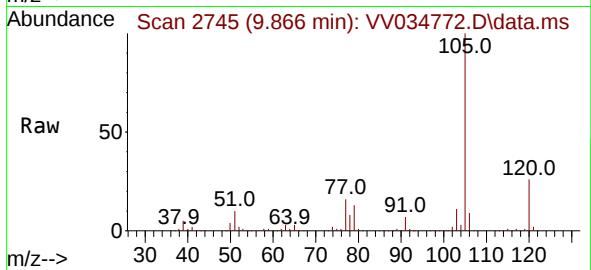
#60
Isopropylbenzene
Concen: 50.748 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :
YCL13MS

Tgt Ion:105 Resp: 611340
Ion Ratio Lower Upper
105 100
120 26.3 20.8 31.2
77 16.4 13.0 19.6

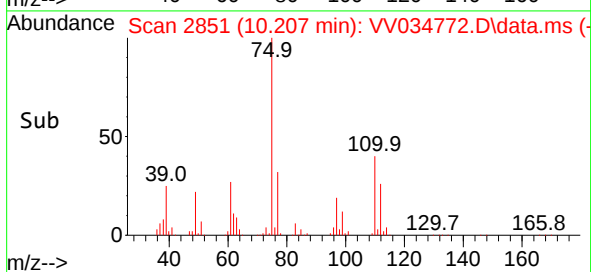
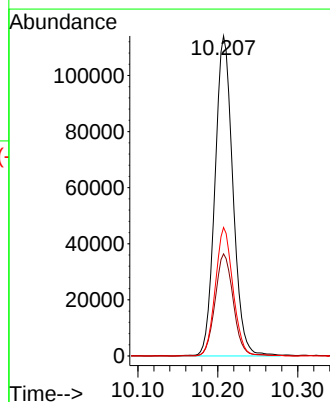
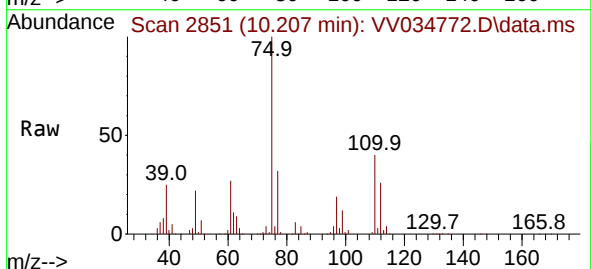
Manual Integrations
APPROVED

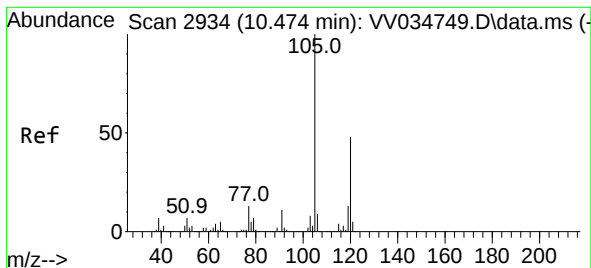
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#61
1,2,3-Trichloropropane
Concen: 54.536 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion: 75 Resp: 177319
Ion Ratio Lower Upper
75 100
77 32.5 25.9 38.9
110 39.4 33.1 49.7





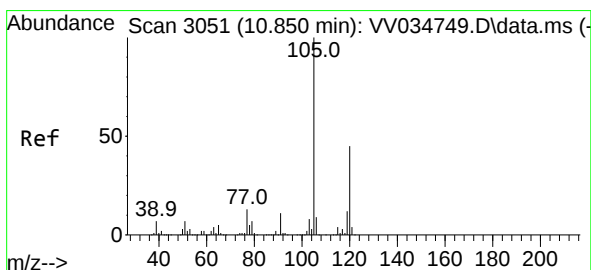
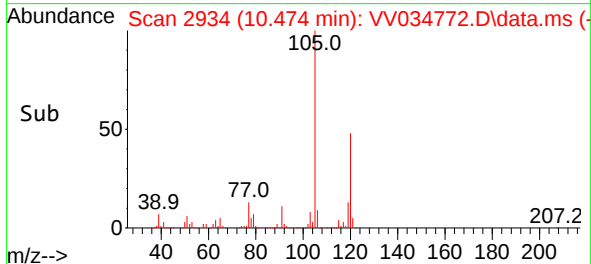
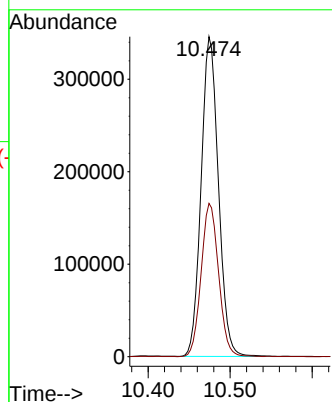
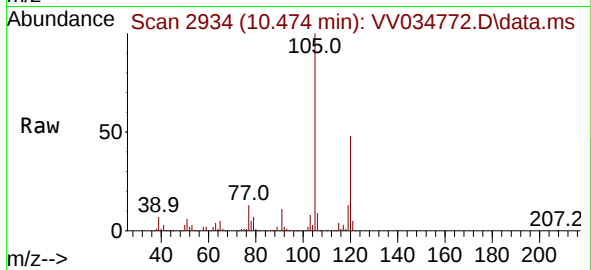
#62
1,3,5-Trimethylbenzene
Concen: 49.786 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :
YCL13MS

Tgt Ion:105 Resp: 505918
Ion Ratio Lower Upper
105 100
120 48.4 38.2 57.2

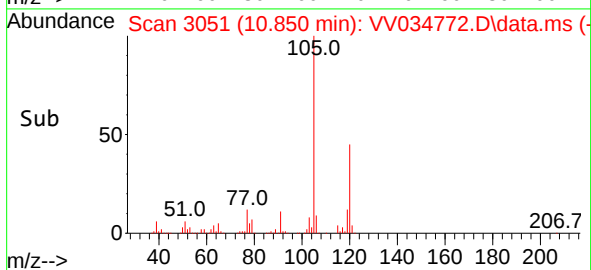
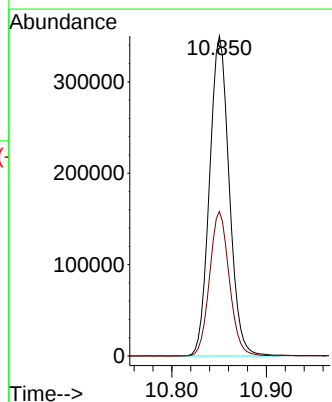
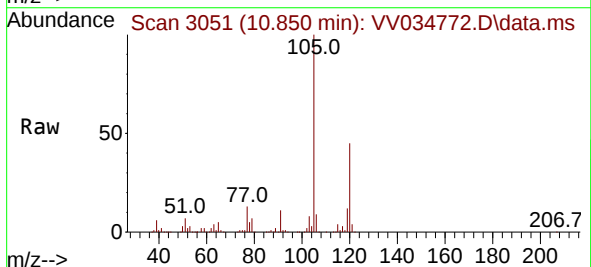
Manual Integrations
APPROVED

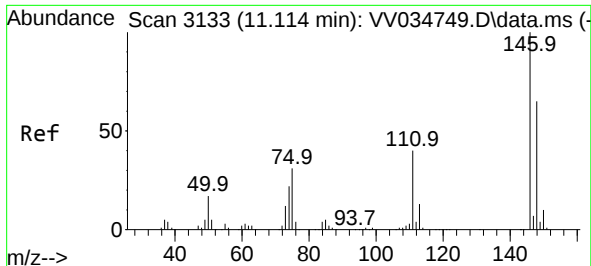
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#63
1,2,4-Trimethylbenzene
Concen: 50.519 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

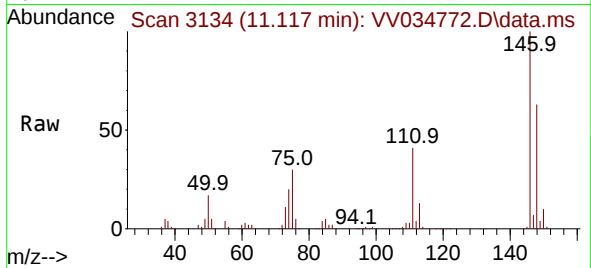
Tgt Ion:105 Resp: 507742
Ion Ratio Lower Upper
105 100
120 45.1 36.2 54.4





#64
1,3-Dichlorobenzene
Concen: 50.031 ug/L
RT: 11.117 min Scan# 3117
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

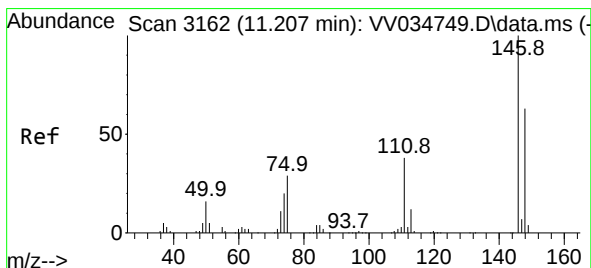
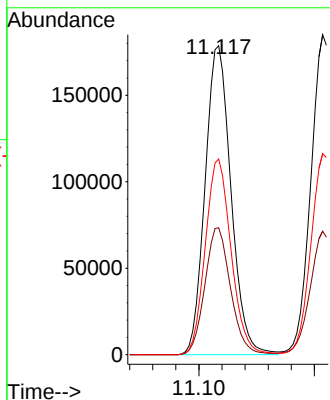
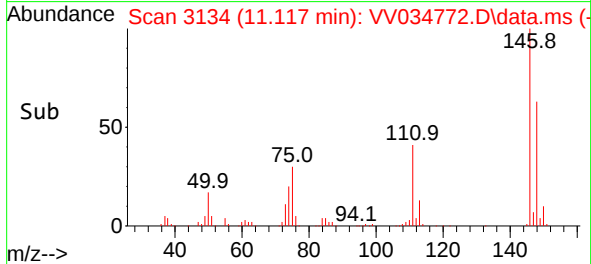
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



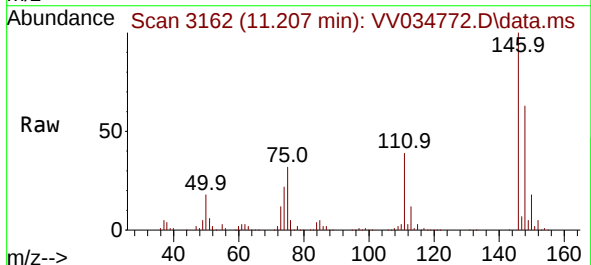
Tgt Ion:146 Resp: 27866
Ion Ratio Lower Upper
146 100
111 41.0 27.9 51.7
148 63.3 44.2 82.0

Manual Integrations
APPROVED

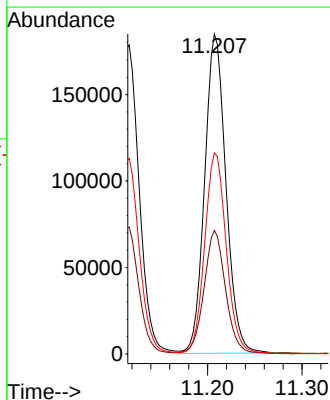
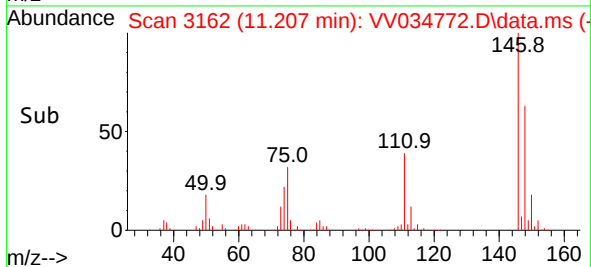
Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024

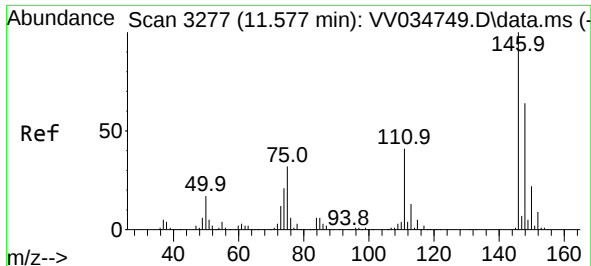


#65
1,4-Dichlorobenzene
Concen: 51.061 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55



Tgt Ion:146 Resp: 288816
Ion Ratio Lower Upper
146 100
111 38.6 26.5 49.1
148 62.8 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 52.867 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

YCL13MS

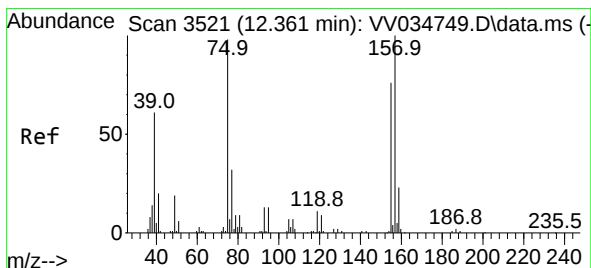
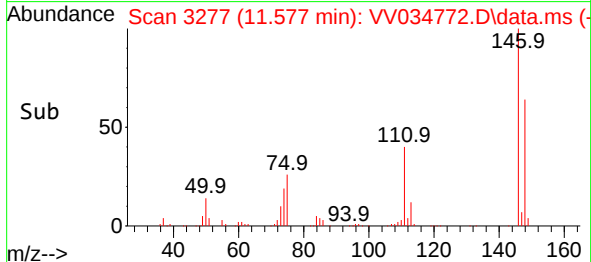
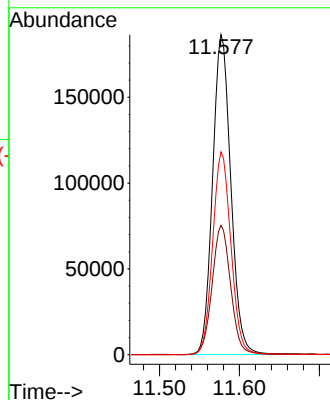
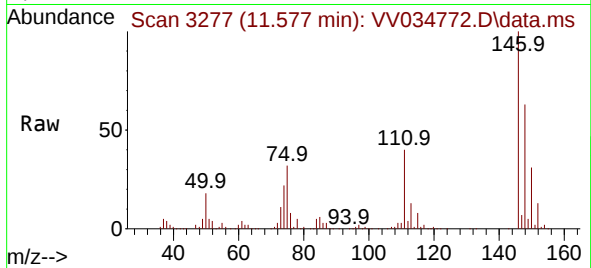
Tgt Ion:146 Resp: 295064

Ion	Ratio	Lower	Upper
146	100		
111	40.4	33.8	50.8
148	63.4	51.3	76.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 54.884 ug/L

RT: 12.361 min Scan# 3521

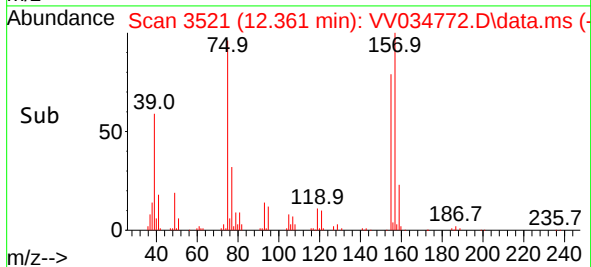
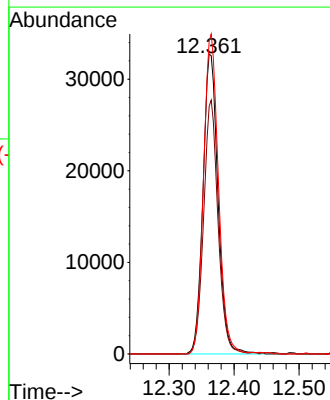
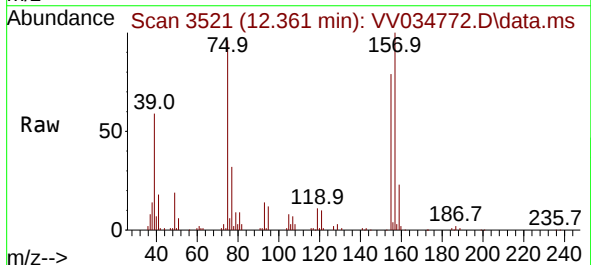
Delta R.T. 0.000 min

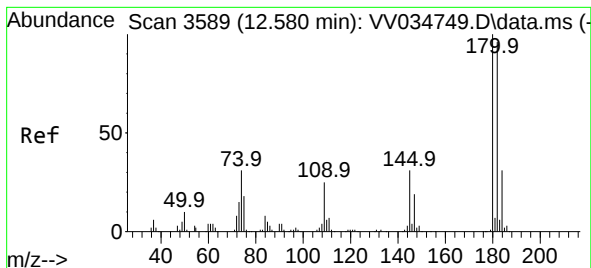
Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Tgt Ion: 75 Resp: 53158

Ion	Ratio	Lower	Upper
75	100		
155	82.5	63.3	94.9
157	104.2	81.4	122.0





#69

1,3,5-Trichlorobenzene

Concen: 46.054 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

YCL13MS

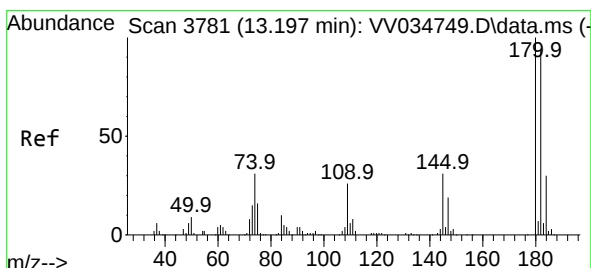
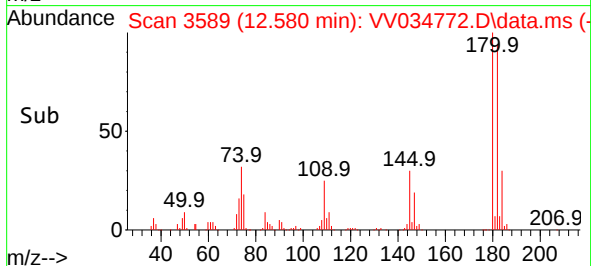
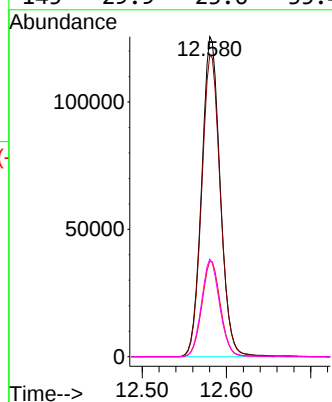
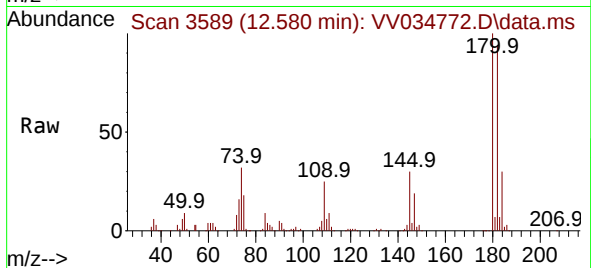
Tgt Ion:180 Resp: 192434

Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.6	112.0
184	30.0	23.6	35.4
145	29.9	23.6	35.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#70

1,2,4-trichlorobenzene

Concen: 45.684 ug/L

RT: 13.197 min Scan# 3781

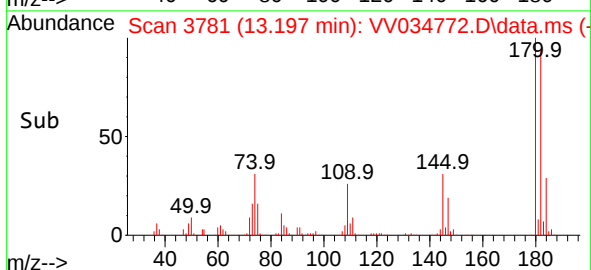
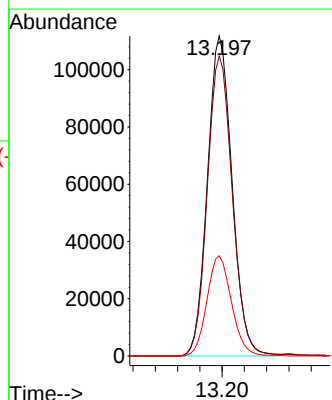
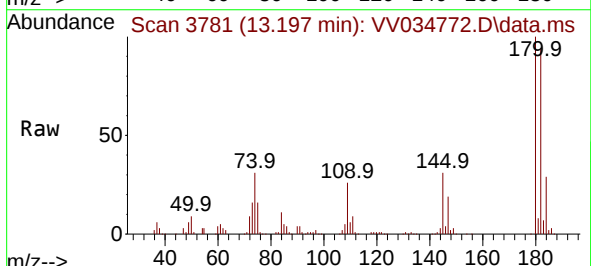
Delta R.T. 0.000 min

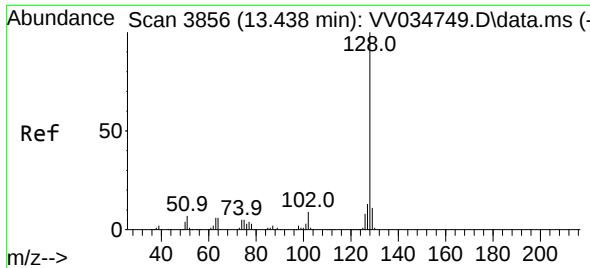
Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Tgt Ion:180 Resp: 171762

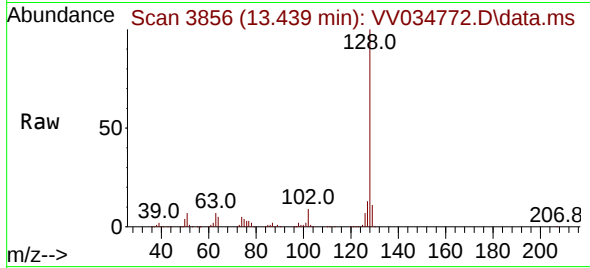
Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.8	112.2
145	31.2	24.2	36.4





#71
Naphthalene
Concen: 43.837 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

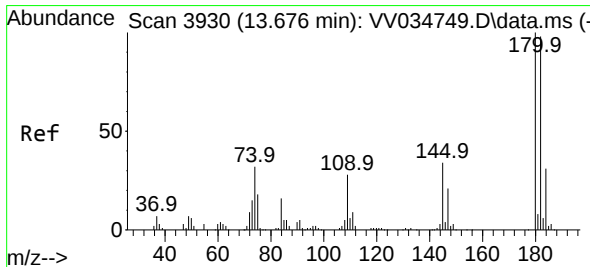
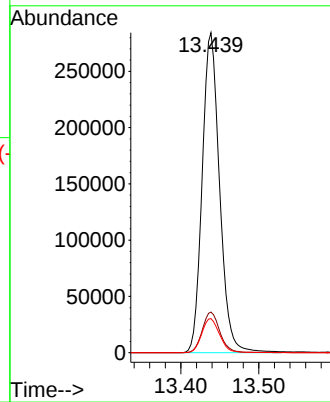
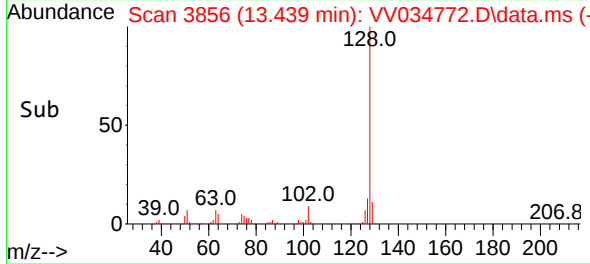
Instrument :
MSVOA_V
ClientSampleId :
YCL13MS



Tgt Ion:128 Resp: 440870
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024
Supervised By :Semsettin Yesilyurt 03/22/2024



#72
1,2,3-Trichlorobenzene
Concen: 48.307 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion:180 Resp: 177181
Ion Ratio Lower Upper
180 100
182 94.5 75.9 113.9
145 32.2 25.5 38.3

