

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037562.D
 Acq On : 26 Sep 2024 20:26
 Operator : SY/MD
 Sample : P4184-14
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EY040

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/30/2024
 Supervised By : Mahesh Dadoda 09/30/2024

Quant Time: Sep 27 00:55:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 00:49:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	690045	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	667757	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	362213	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	273502	45.151	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.300%		
7) Chloroethane-d5	1.532	69	205416	43.688	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.380%		
11) 1,1-Dichloroethene-d2	2.059	65	110726	43.752	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.500%		
21) 2-Butanone-d5	3.809	46	223708	103.685	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.690%		
24) Chloroform-d	4.243	84	448498	41.616	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.240%		
26) 1,2-Dichloroethane-d4	4.937	65	270130	42.823	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.640%		
32) Benzene-d6	4.953	84	913460	43.716	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.440%		
36) 1,2-Dichloropropane-d6	5.982	67	290364	43.639	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.280%		
41) Toluene-d8	7.239	98	830485	43.831	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.660%		
43) trans-1,3-Dichloroprop...	7.548	79	133134	43.073	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.140%		
47) 2-Hexanone-d5	8.024	63	136566	97.200	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.200%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	346832	44.862	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.720%		
66) 1,2-Dichlorobenzene-d4	11.554	152	341111	44.692	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.380%		
Target Compounds					Qvalue	
5) Vinyl chloride	1.285	62	1517628	248.215	ug/L	99
8) Chloroethane	1.548	64	661438	175.517	ug/L	98
12) 1,1-Dichloroethene	2.069	96	435885	94.882	ug/L #	72
16) Methylene chloride	2.445	84	19611	3.770	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	244878	50.386	ug/L	99
19) 1,1-Dichloroethane	3.092	63	24193292m	2598.194	ug/L	
20) cis-1,2-Dichloroethene	3.793	96	28518629m	5243.761	ug/L	
22) 2-Butanone	3.902	43	29048m	12.408	ug/L	
27) 1,2-Dichloroethane	5.037	62	154783	22.742	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	13027516	1584.028	ug/L	99
33) Benzene	5.008	78	167718	8.328	ug/L	100
34) Trichloroethene	5.828	95	270965	50.523	ug/L	99
35) Methylcyclohexane	6.043	83	25139	3.047	ug/L	95
40) 4-Methyl-2-pentanone	7.172	43	18410	4.348	ug/L	95
42) Toluene	7.307	91	2882122	138.048	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	13035	2.610	ug/L	94
46) Tetrachloroethene	7.902	164	92066	22.452	ug/L	98
52) Ethylbenzene	8.940	91	1738222	73.964	ug/L	99
53) m,p-Xylene	9.066	106	1663994	190.250	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.471	106	1224287	143.376	ug/L	97
60) Isopropylbenzene	9.863	105	188159	7.990	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	1219228	65.487	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	5366536	289.703	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	16281	1.453	ug/L	96

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

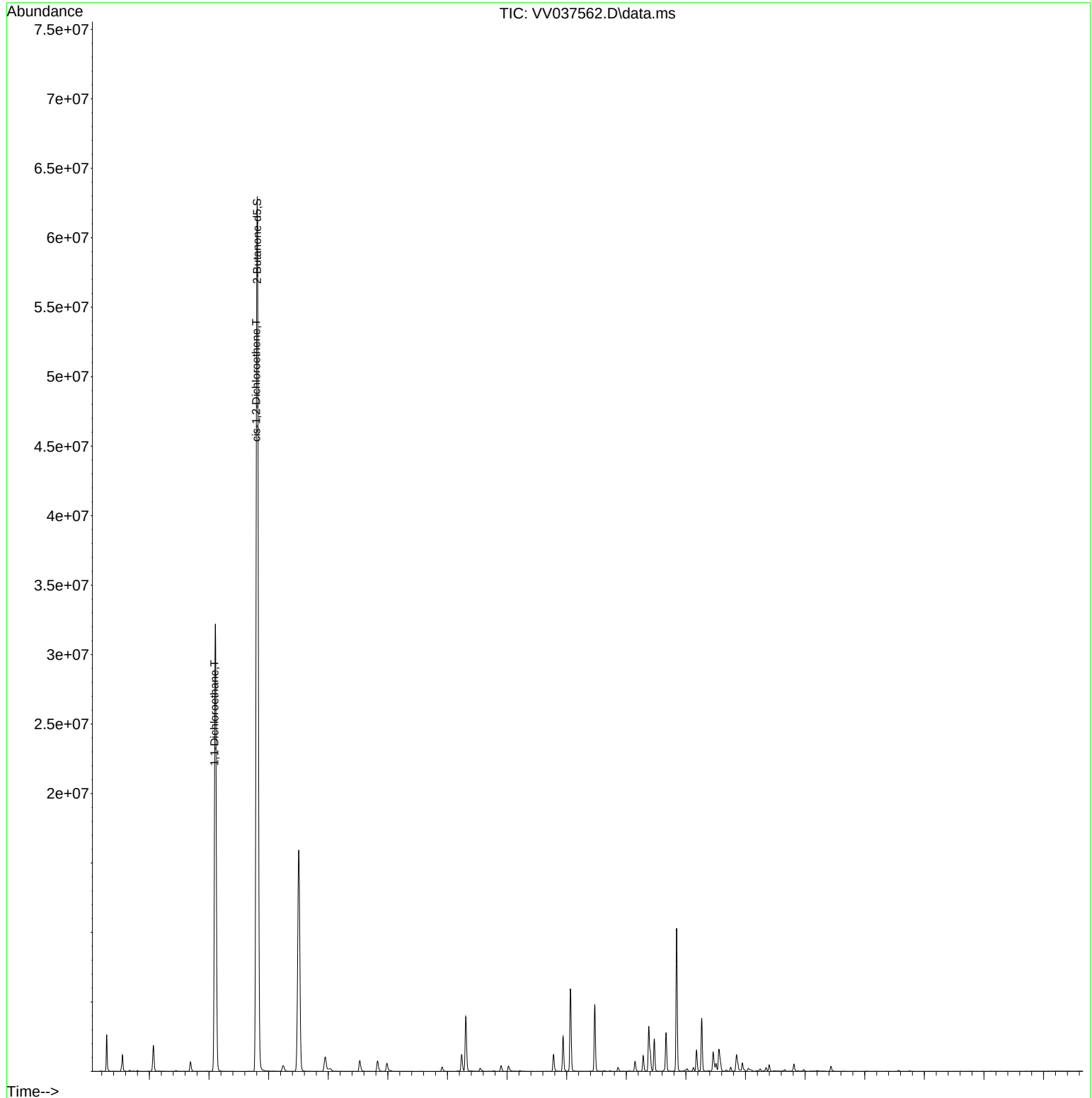
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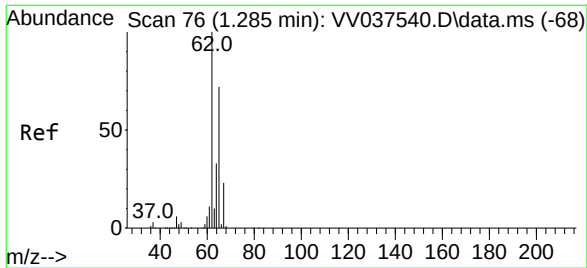
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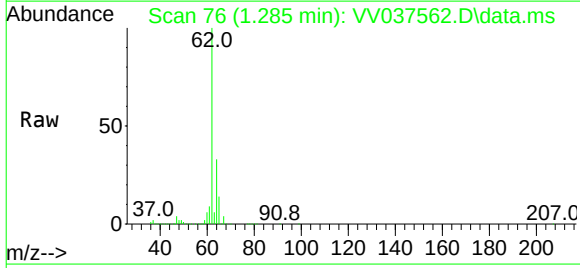
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#5
 Vinyl chloride
 Concen: 248.215 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV037562.D
 Acq: 26 Sep 2024 20:26

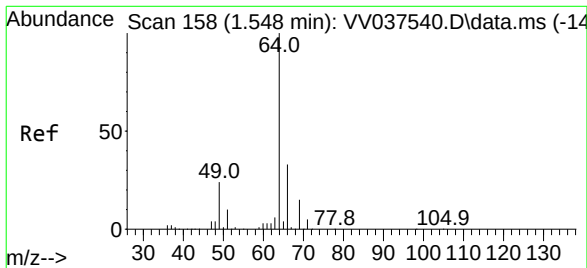
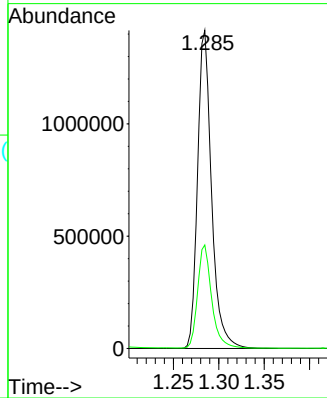
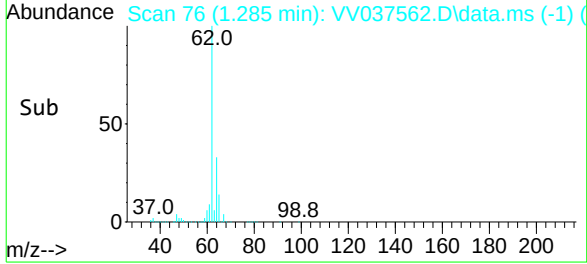
Instrument :
 MSVOA_V
 ClientSampleId :
 EY040



Tgt Ion: 62 Resp: 1517628
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.2 43.0

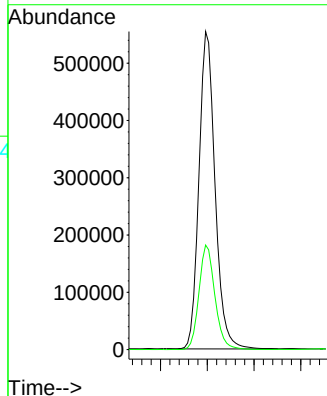
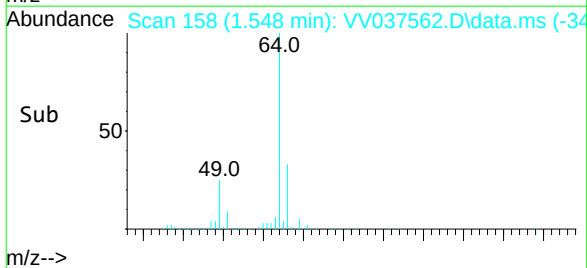
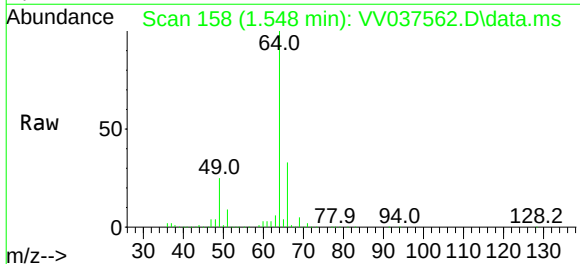
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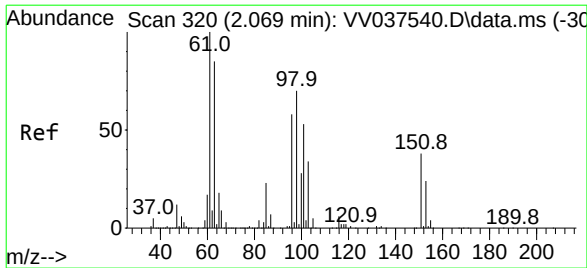
Reviewed By :Semsettin Yesilyurt 09/30/2024
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#8
 Chloroethane
 Concen: 175.517 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. -0.000 min
 Lab File: VV037562.D
 Acq: 26 Sep 2024 20:26

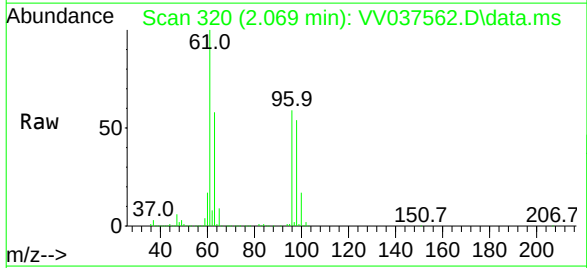
Tgt Ion: 64 Resp: 661438
 Ion Ratio Lower Upper
 64 100
 66 32.9 22.2 41.2





#12
1,1-Dichloroethene
Concen: 94.882 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

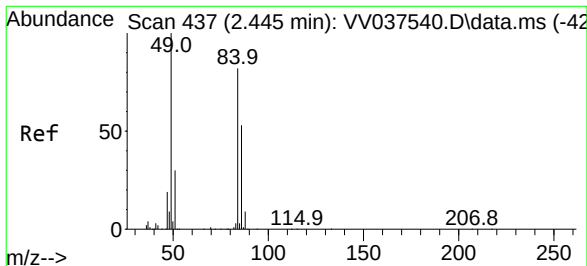
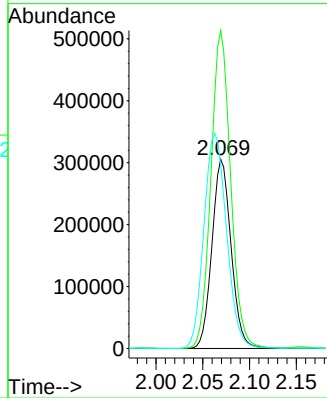
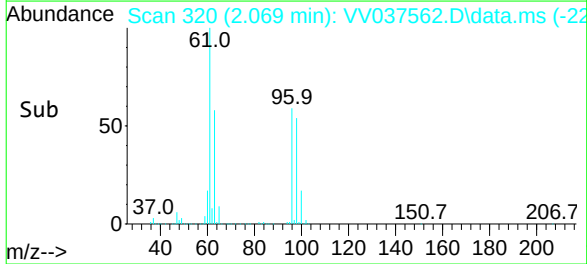
Instrument :
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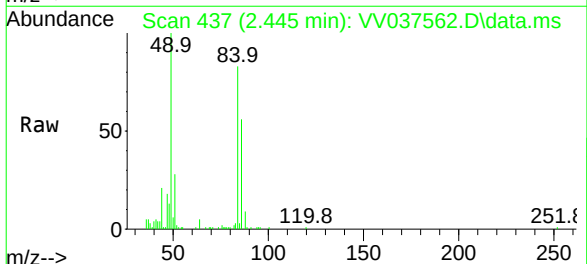
Tgt Ion: 96 Resp: 435885
Ion Ratio Lower Upper
96 100
61 168.1 122.6 227.6
63 97.3 118.0 219.2

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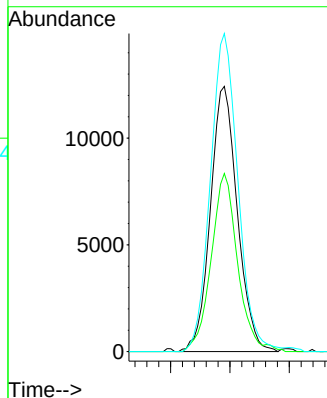
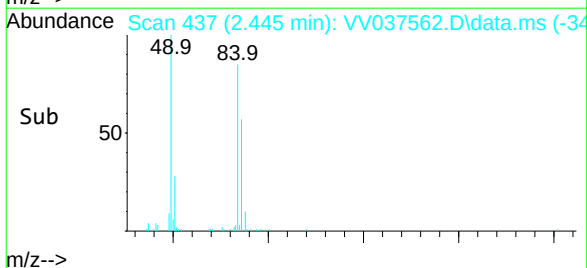
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Supervised By :Mahesh Dadoda 09/30/2024

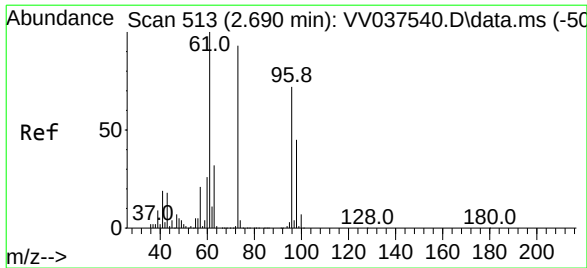


#16
Methylene chloride
Concen: 3.770 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26



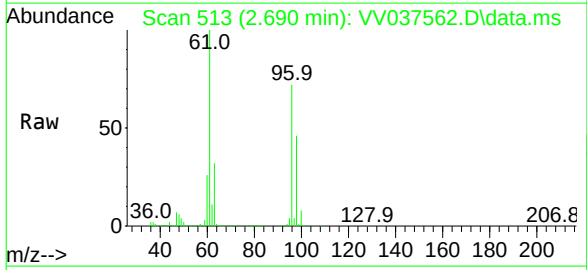
Tgt Ion: 84 Resp: 19611
Ion Ratio Lower Upper
84 100
86 67.1 46.4 86.2
49 119.9 85.9 159.5





#17
trans-1,2-Dichloroethene
Concen: 50.386 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

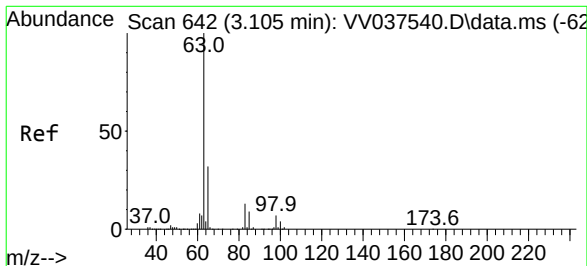
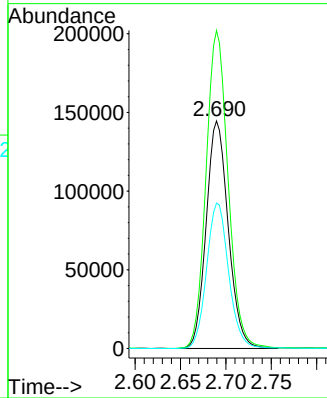
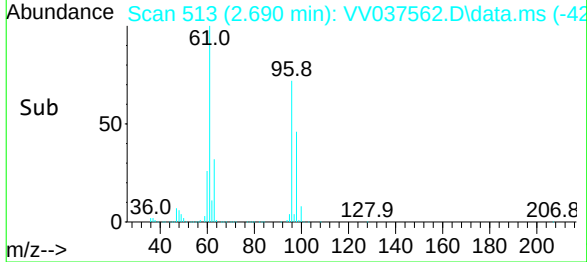
Instrument :
MSVOA_V
ClientSampleId :
EY040



Tgt Ion: 96 Resp: 244878
Ion Ratio Lower Upper
96 100
61 139.8 97.3 180.7
98 63.9 43.9 81.5

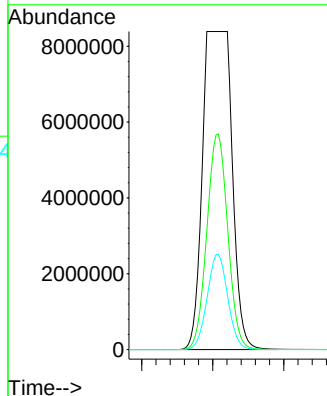
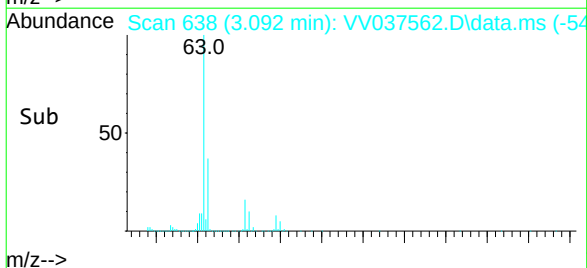
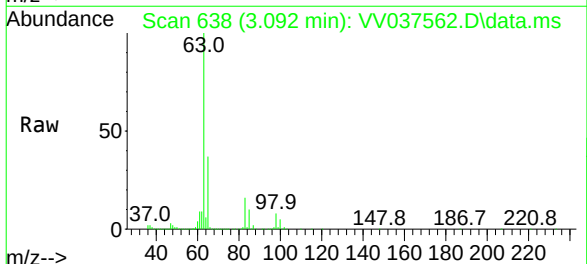
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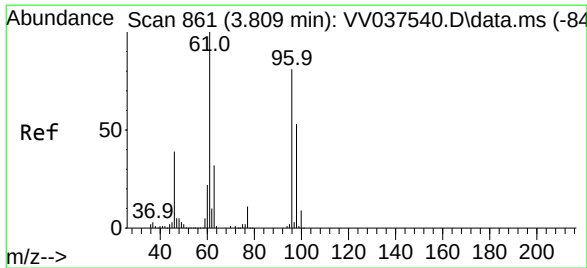
Reviewed By :Semsettin Yesilyurt 09/30/2024
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#19
1,1-Dichloroethane
Concen: 2598.194 ug/L m
RT: 3.092 min Scan# 638
Delta R.T. -0.013 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

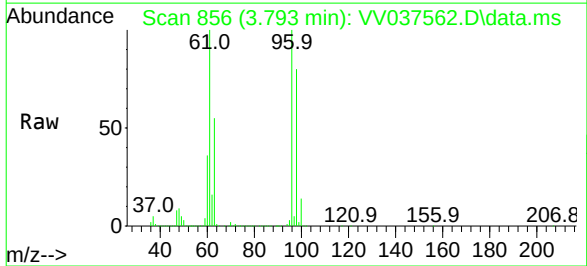
Tgt Ion: 63 Resp:24193292
Ion Ratio Lower Upper
63 100
65 37.2 22.4 41.6
83 15.8 9.5 17.7





#20
cis-1,2-Dichloroethene
Concen: 5243.761 ug/L m
RT: 3.793 min Scan# 85
Delta R.T. -0.016 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

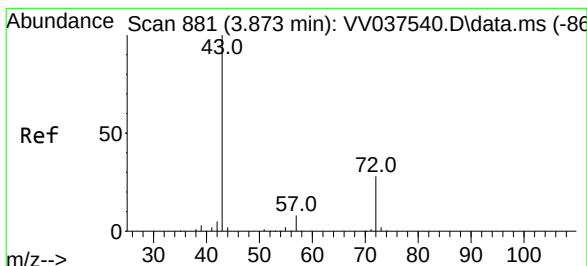
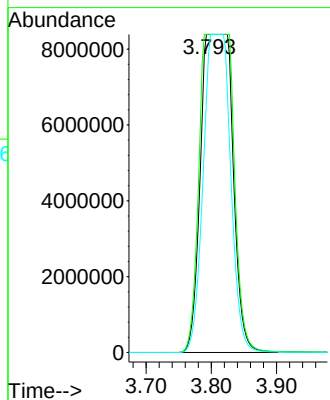
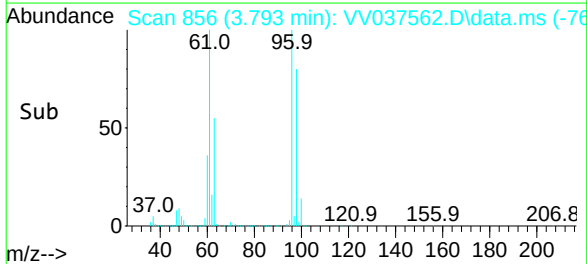
Instrument :
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Tgt Ion: 96 Resp: 28518629
Ion Ratio Lower Upper
96 100
61 100.0 85.0 157.8
98 79.7 44.2 82.0

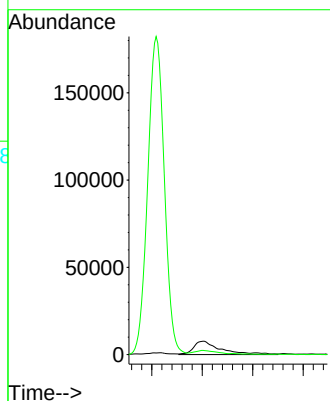
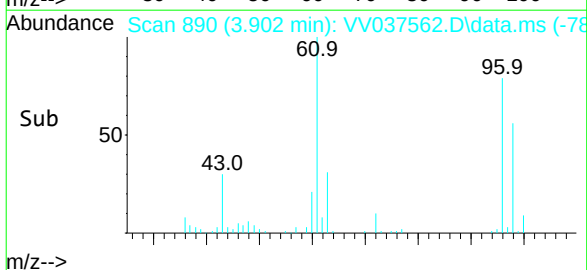
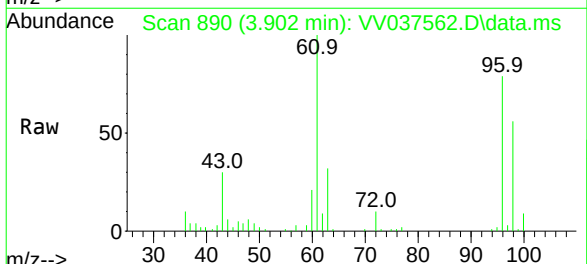
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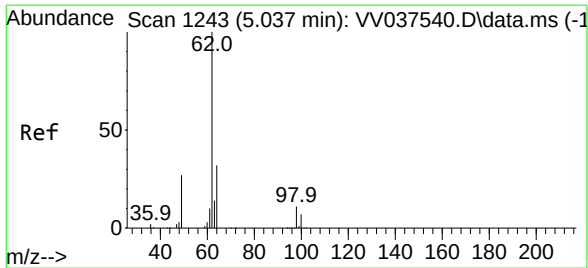
Reviewed By :Semsettin Yesilyurt 09/30/2024
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#22
2-Butanone
Concen: 12.408 ug/L m
RT: 3.902 min Scan# 890
Delta R.T. 0.029 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

Tgt Ion: 43 Resp: 29048
Ion Ratio Lower Upper
43 100
72 25.3 14.3 42.9





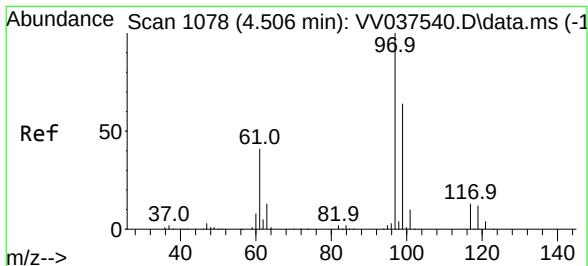
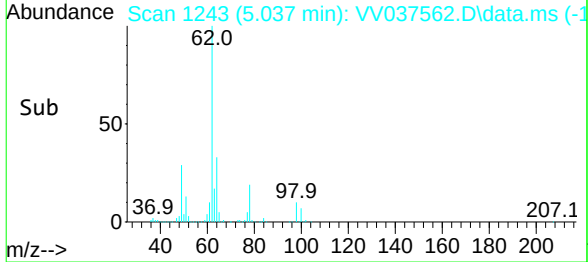
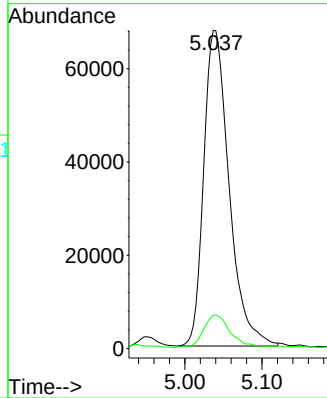
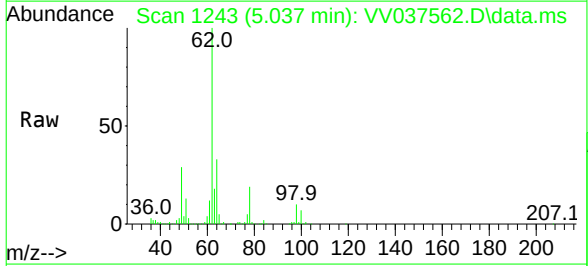
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1,2-Dichloroethane
Concen: 22.742 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.000 min
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Tgt Ion: 62 Resp: 154783
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6

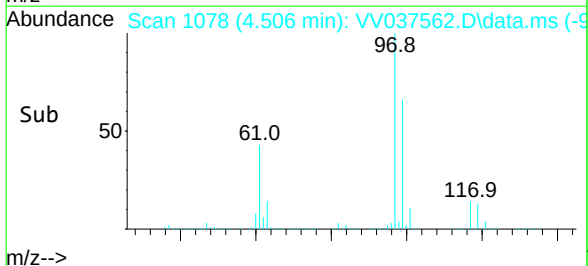
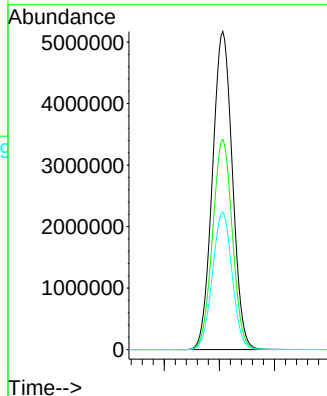
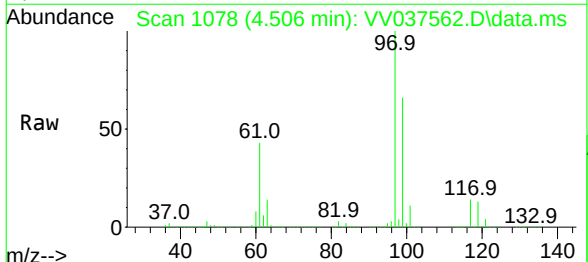
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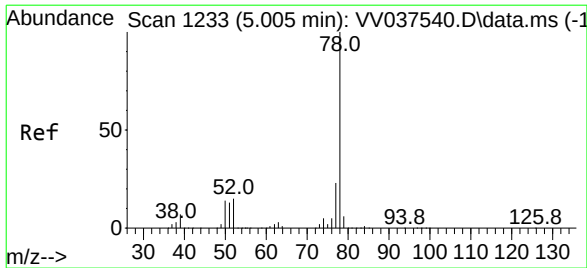
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#30
1,1,1-Trichloroethane
Concen: 1584.028 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. -0.000 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

Tgt Ion: 97 Resp:13027516
Ion Ratio Lower Upper
97 100
99 65.5 51.8 77.6
61 42.5 33.6 50.4





#33

Benzene

Concen: 8.328 ug/L

RT: 5.008 min Scan# 12

Delta R.T. 0.003 min

Lab File: VV037562.D

Acq: 26 Sep 2024 20:26

Instrument :

MSVOA_V

ClientSampleId :

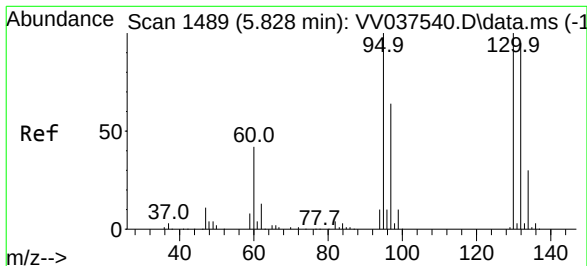
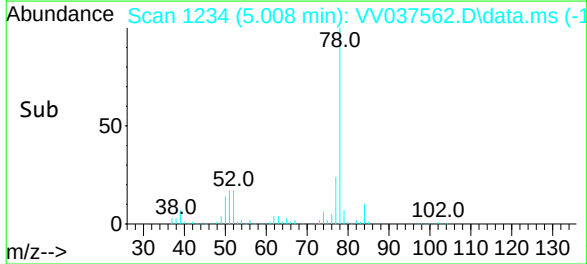
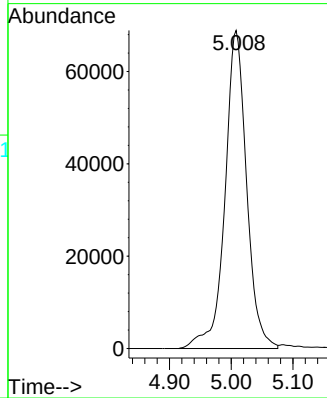
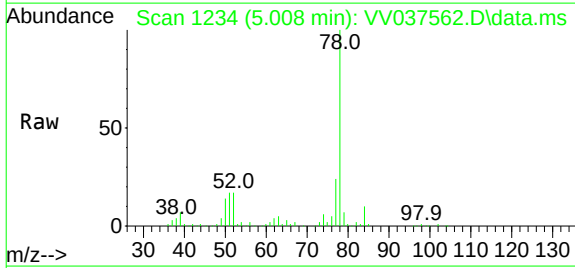
EY040

Tgt Ion: 78 Resp: 167718

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#34

Trichloroethene

Concen: 50.523 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV037562.D

Acq: 26 Sep 2024 20:26

Tgt Ion: 95 Resp: 270965

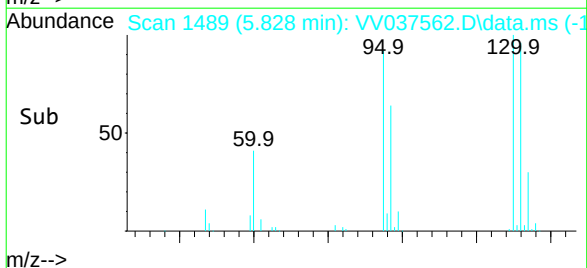
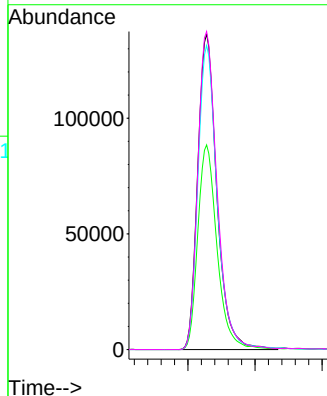
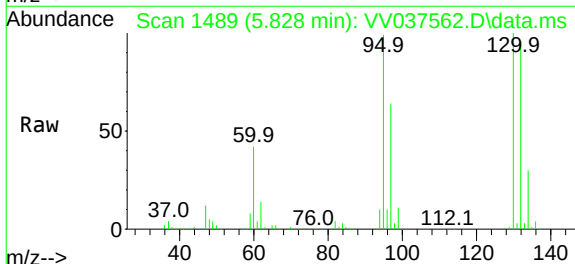
Ion Ratio Lower Upper

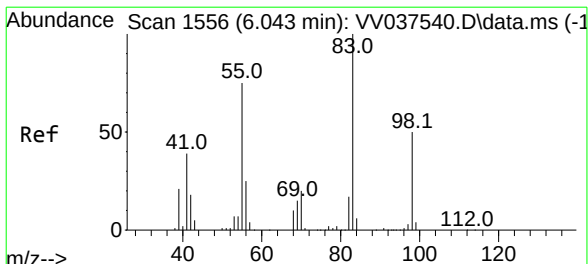
95 100

97 64.9 46.3 85.9

132 96.4 68.6 127.4

130 100.8 70.9 131.7





#35
Methylcyclohexane
Concen: 3.047 ug/L
RT: 6.043 min Scan# 1519
Delta R.T. -0.000 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

Instrument :

MSVOA_V

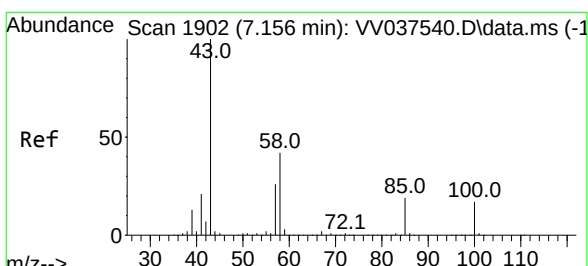
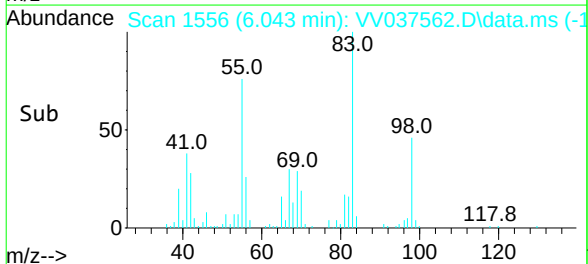
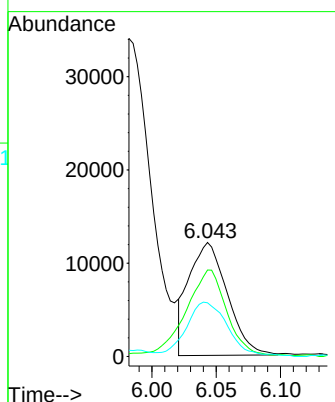
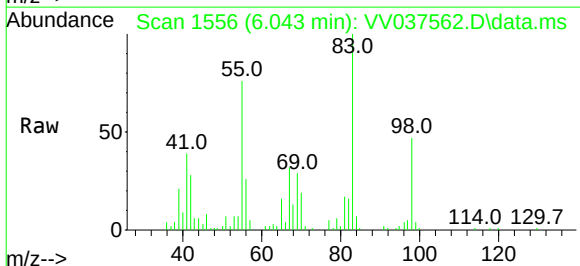
ClientSampleId :

EY040

Tgt Ion:	83	Resp:	25139
Ion	Ratio	Lower	Upper
83	100		
55	78.2	57.9	86.9
98	46.8	39.3	58.9

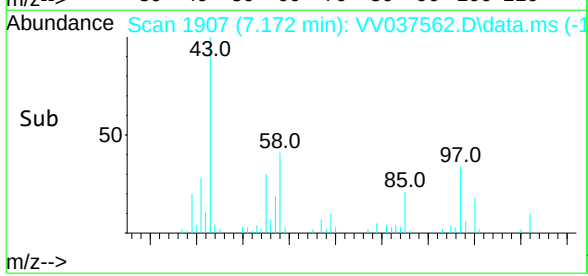
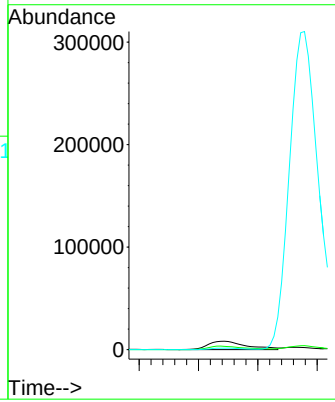
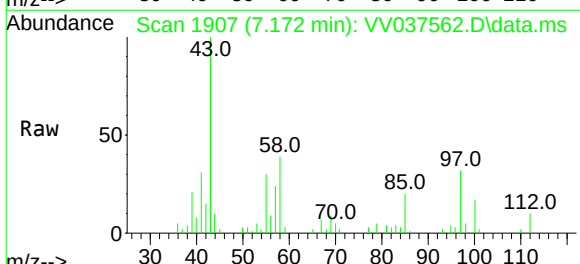
Manual Integrations
APPROVED

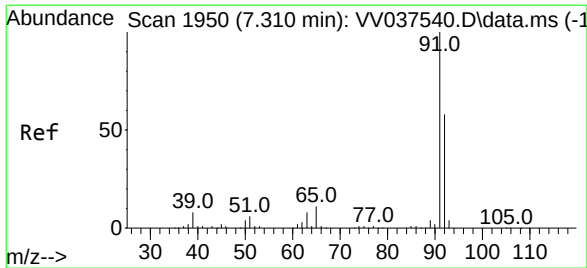
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#40
4-Methyl-2-pentanone
Concen: 4.348 ug/L
RT: 7.172 min Scan# 1907
Delta R.T. 0.016 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

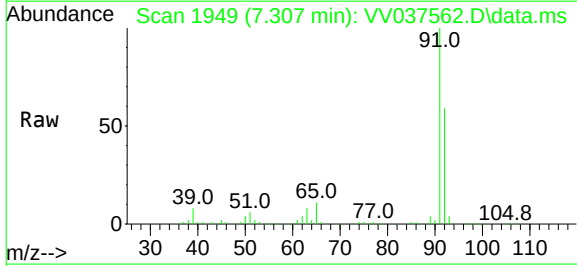
Tgt Ion:	43	Resp:	18410
Ion	Ratio	Lower	Upper
43	100		
58	38.5	33.0	49.4
100	14.6	13.7	20.5





#42
Toluene
Concen: 138.048 ug/L
RT: 7.307 min Scan# 19
Delta R.T. -0.003 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

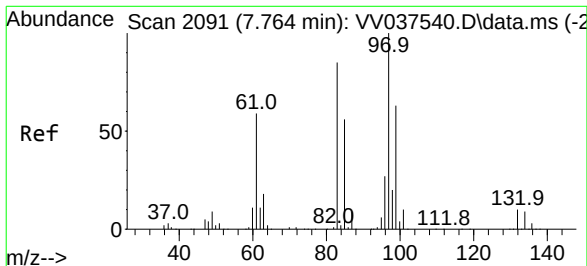
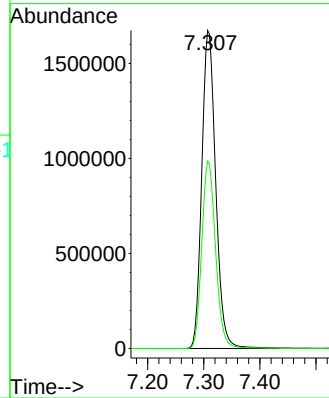
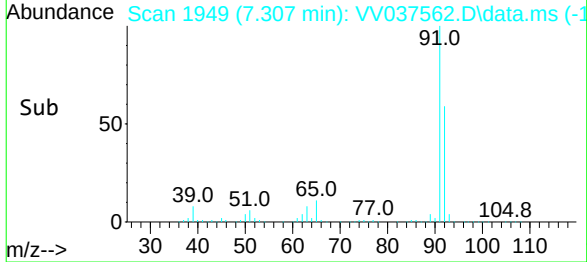
Instrument :
MSVOA_V
ClientSampleId :
EY040



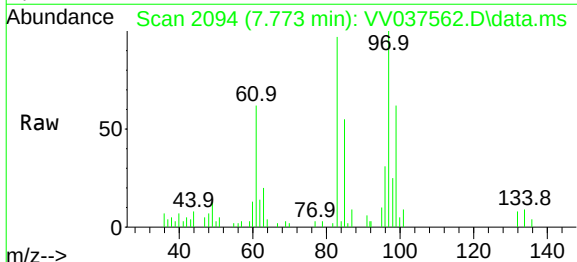
Tgt Ion: 91 Resp: 2882122
Ion Ratio Lower Upper
91 100
92 58.9 41.1 76.3

Manual Integrations
APPROVED

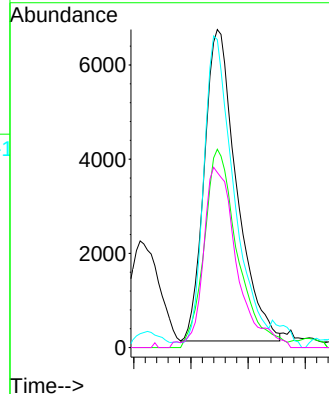
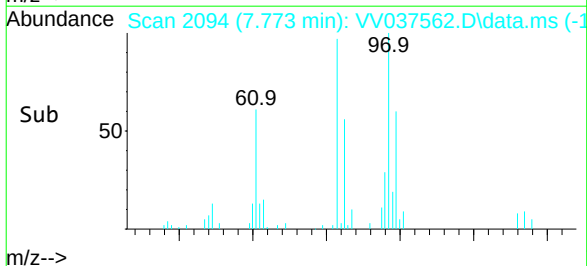
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

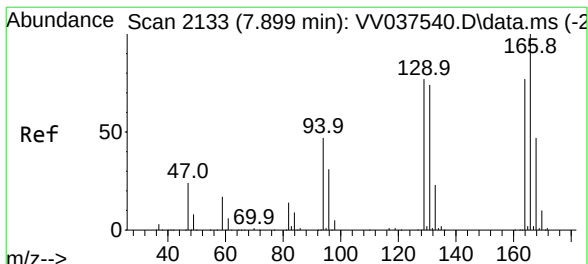


#45
1,1,2-Trichloroethane
Concen: 2.610 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.009 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26



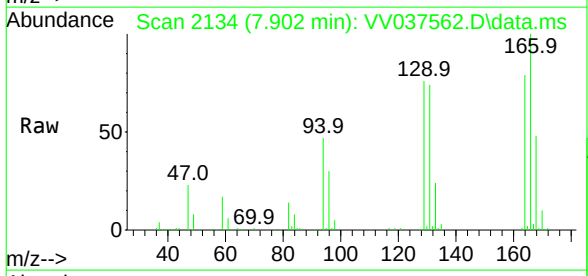
Tgt Ion: 97 Resp: 13035
Ion Ratio Lower Upper
97 100
99 62.4 44.1 81.9
83 96.8 59.3 110.1
85 55.1 39.0 72.4





#46
 Tetrachloroethene
 Concen: 22.452 ug/L
 RT: 7.902 min Scan# 2133
 Delta R.T. 0.003 min
 Lab File: VV037562.D
 Acq: 26 Sep 2024 20:26

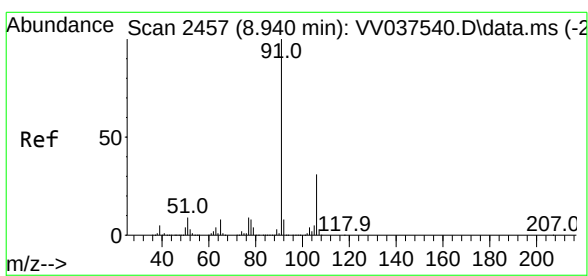
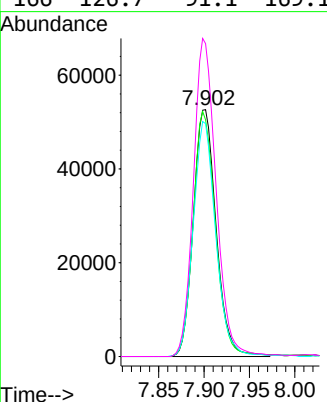
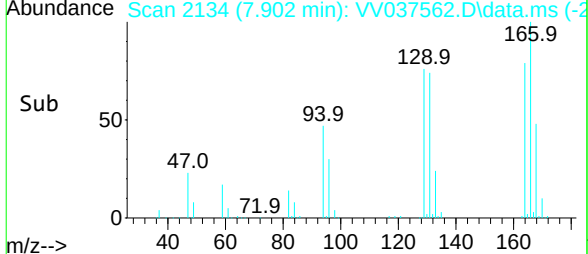
Instrument : MSVOA_V
 ClientSampleId : EY040



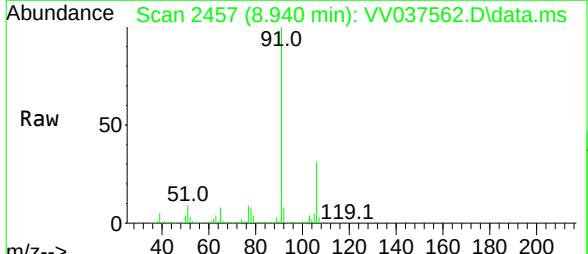
Tgt Ion: 164 Resp: 92066

Ion	Ratio	Lower	Upper
164	100		
129	95.9	68.2	126.6
131	94.3	66.1	122.8
166	126.7	91.1	169.1

Manual Integrations
APPROVED
 Reviewed By : Semsettin Yesilyurt 09/30/2024
 Supervised By : Mahesh Dadoda 09/30/2024

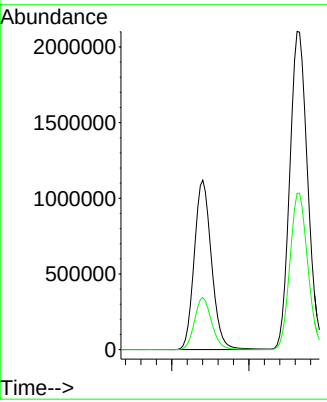
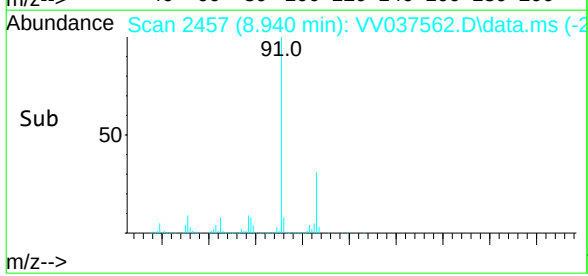


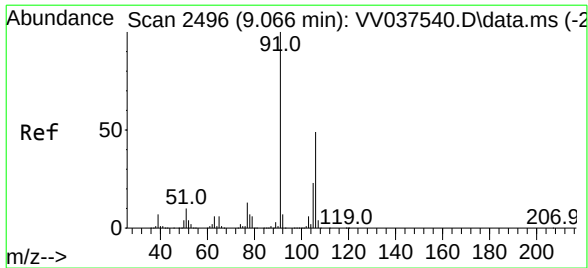
#52
 Ethylbenzene
 Concen: 73.964 ug/L
 RT: 8.940 min Scan# 2457
 Delta R.T. -0.000 min
 Lab File: VV037562.D
 Acq: 26 Sep 2024 20:26



Tgt Ion: 91 Resp: 1738222

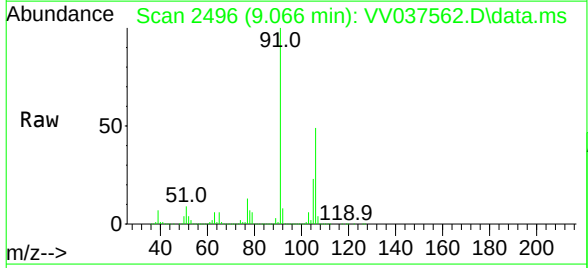
Ion	Ratio	Lower	Upper
91	100		
106	30.7	21.9	40.7





#53
m,p-Xylene
Concen: 190.250 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. -0.000 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

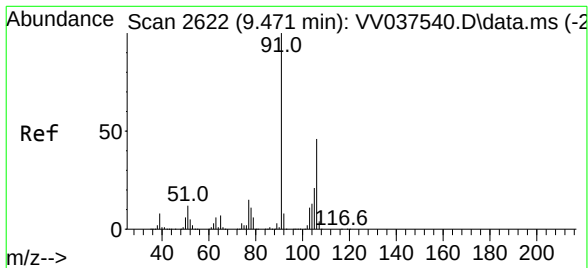
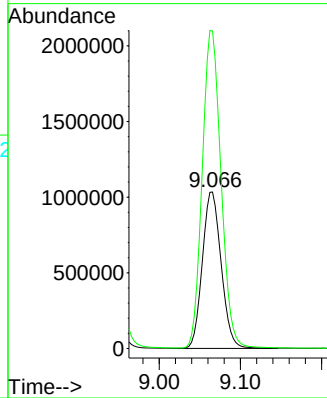
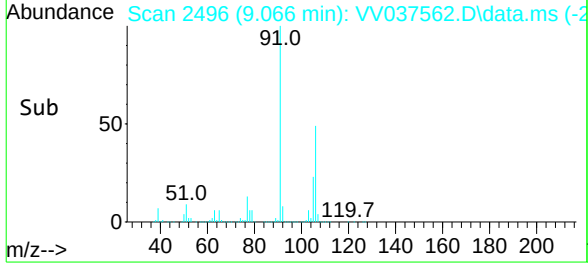
Instrument :
MSVOA_V
ClientSampleId :
EY040



Tgt Ion:106 Resp: 1663994
Ion Ratio Lower Upper
106 100
91 202.9 142.0 263.6

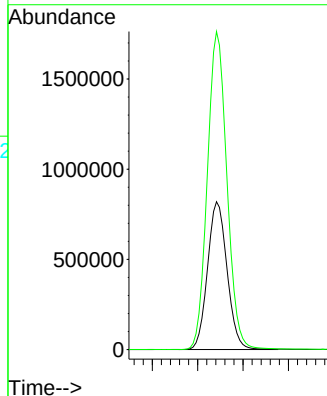
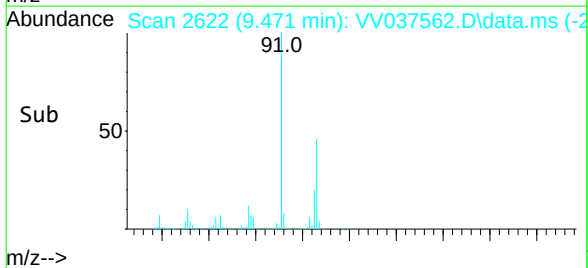
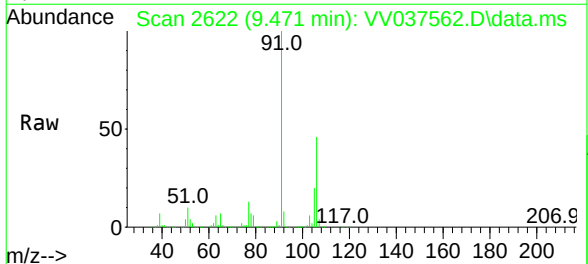
Manual Integrations
APPROVED

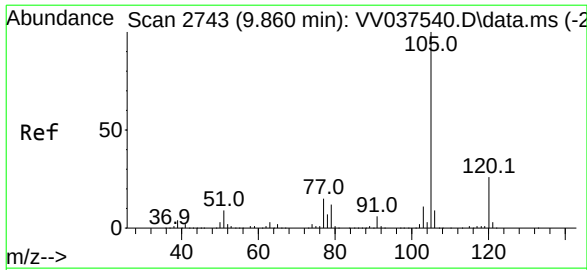
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#54
o-Xylene
Concen: 143.376 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

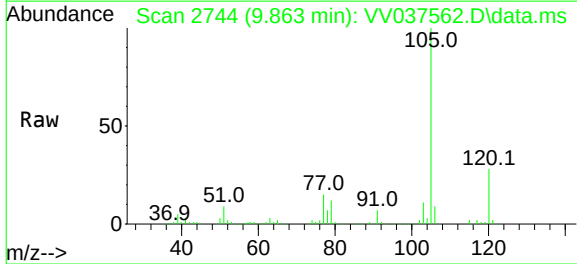
Tgt Ion:106 Resp: 1224287
Ion Ratio Lower Upper
106 100
91 215.1 153.9 285.9





#60
Isopropylbenzene
Concen: 7.990 ug/L
RT: 9.863 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

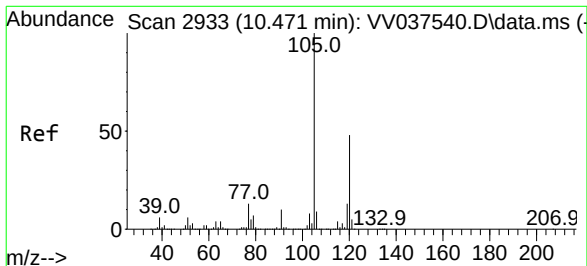
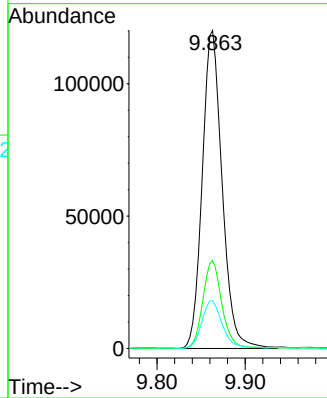
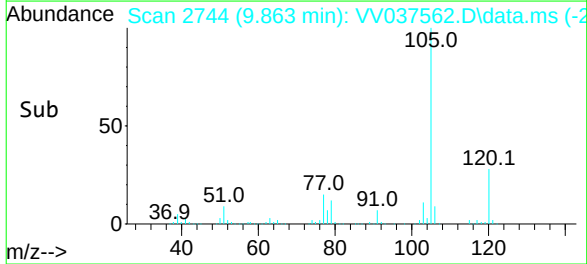
Instrument :
MSVOA_V
ClientSampleId :
EY040



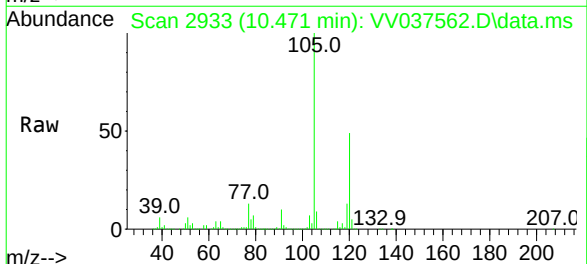
Tgt Ion:105 Resp: 188159
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1
77 15.2 12.2 18.2

Manual Integrations
APPROVED

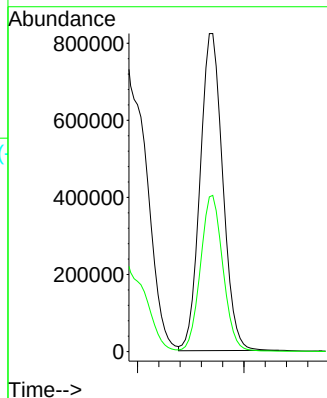
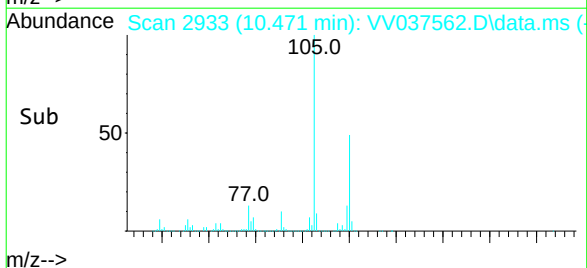
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

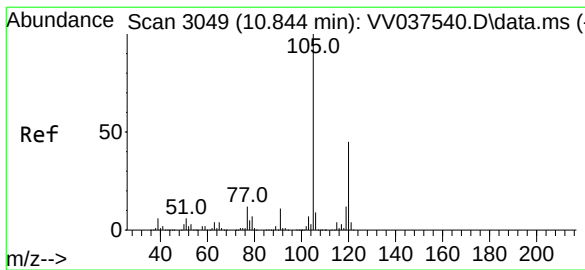


#62
1,3,5-Trimethylbenzene
Concen: 65.487 ug/L
RT: 10.471 min Scan# 2933
Delta R.T. -0.000 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26



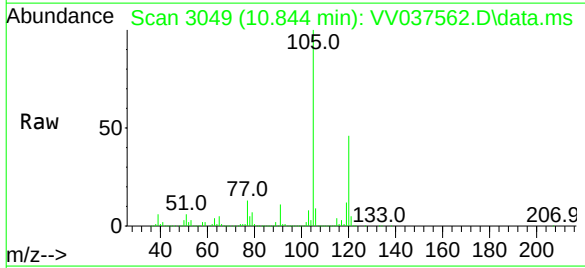
Tgt Ion:105 Resp: 1219228
Ion Ratio Lower Upper
105 100
120 48.8 39.3 58.9





#63
1,2,4-Trimethylbenzene
Concen: 289.703 ug/L
RT: 10.844 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26

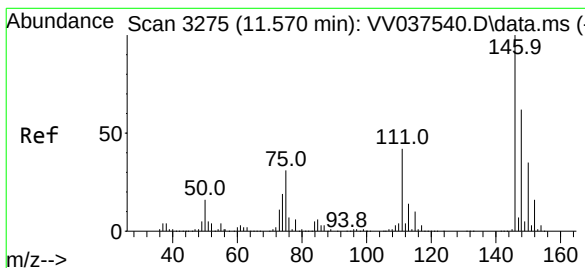
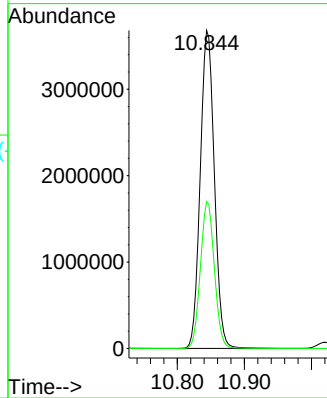
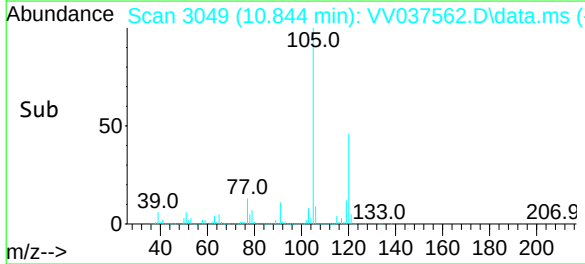
Instrument :
MSVOA_V
ClientSampleId :
EY040



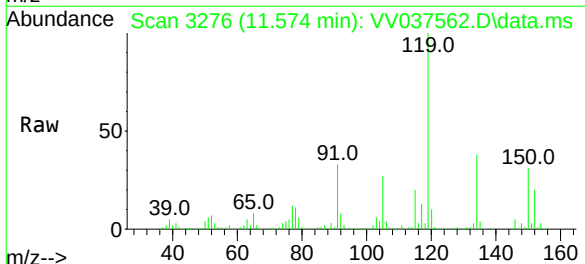
Tgt Ion:105 Resp: 5366536
Ion Ratio Lower Upper
105 100
120 45.8 36.2 54.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#67
1,2-Dichlorobenzene
Concen: 1.453 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.003 min
Lab File: VV037562.D
Acq: 26 Sep 2024 20:26



Tgt Ion:146 Resp: 16281
Ion Ratio Lower Upper
146 100
111 47.2 34.2 51.2
148 65.5 50.9 76.3

