

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037554.D
 Acq On : 26 Sep 2024 17:33
 Operator : SY/MD
 Sample : P4184-03
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EY031

Manual Integrations
 APPROVED

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

Quant Time: Sep 27 00:53:28 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	709056	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	680225	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	365062	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	282747	45.426	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.860%		
7) Chloroethane-d5	1.532	69	214488m	44.394	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.780%		
11) 1,1-Dichloroethene-d2	2.060	65	116183	44.677	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.360%		
21) 2-Butanone-d5	3.789	46	216449	97.631	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.630%		
24) Chloroform-d	4.243	84	464494	41.945	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.880%		
26) 1,2-Dichloroethane-d4	4.937	65	280004	43.198	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.400%		
32) Benzene-d6	4.953	84	931393	43.757	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.520%		
36) 1,2-Dichloropropane-d6	5.982	67	292795	43.198	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.400%		
41) Toluene-d8	7.236	98	831947	43.104	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.200%		
43) trans-1,3-Dichloroprop...	7.548	79	133625	42.439	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.880%		
47) 2-Hexanone-d5	8.024	63	140054	97.856	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.860%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	350968	44.565	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.120%		
66) 1,2-Dichlorobenzene-d4	11.554	152	340694	44.289	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.580%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.281	62	766541	122.010	ug/L	100
8) Chloroethane	1.548	64	2195677	567.018	ug/L	98
12) 1,1-Dichloroethene	2.069	96	17068	3.616	ug/L #	1
17) trans-1,2-Dichloroethene	2.690	96	40170	8.044	ug/L	98
19) 1,1-Dichloroethane	3.104	63	5003569	522.942	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	1849121	330.885	ug/L	99
27) 1,2-Dichloroethane	5.050	62	22529	3.221	ug/L	96
30) 1,1,1-Trichloroethane	4.503	97	152032	18.147	ug/L	99
33) Benzene	5.008	78	28871	1.407	ug/L	100
34) Trichloroethene	5.828	95	269647	49.356	ug/L	100
42) Toluene	7.313	91	383538	18.034	ug/L	99
46) Tetrachloroethene	7.905	164	10834	2.594	ug/L	93
52) Ethylbenzene	8.940	91	1872912	78.234	ug/L	99
53) m,p-Xylene	9.066	106	1135870	127.487	ug/L	100
54) o-Xylene	9.471	106	573117	65.888	ug/L	95
60) Isopropylbenzene	9.863	105	321492	13.546	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	554996	29.577	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	6040035	323.516	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	154627	13.692	ug/L	98

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

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

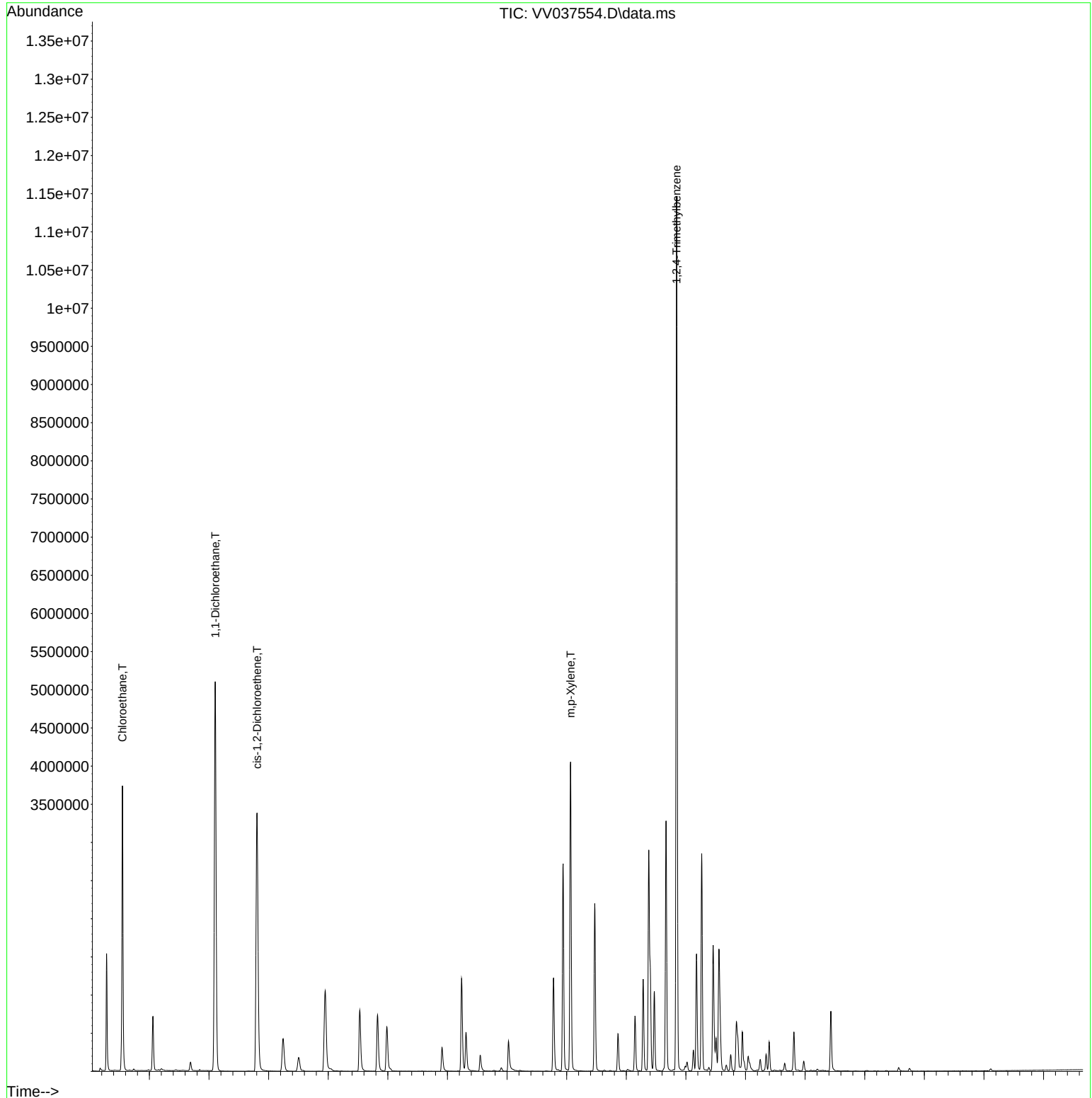
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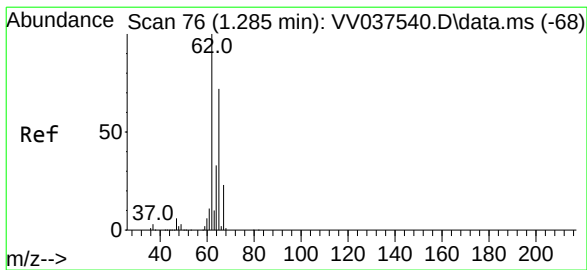
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#5

Vinyl chloride

Concen: 122.010 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.003 min

Lab File: VV037554.D

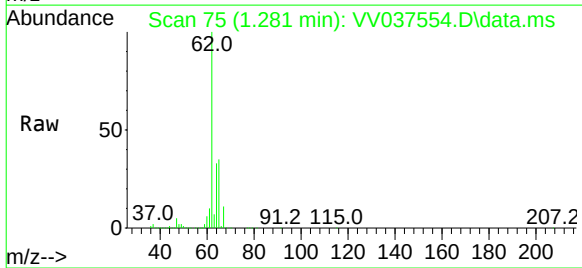
Acq: 26 Sep 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

EY031



Tgt Ion: 62 Resp: 766541

Ion Ratio Lower Upper

62 100

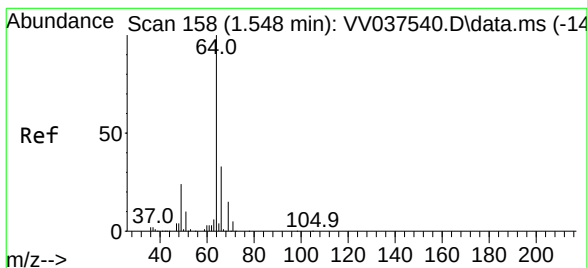
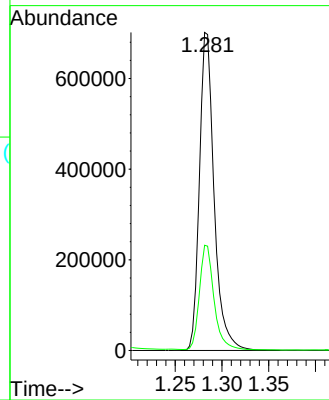
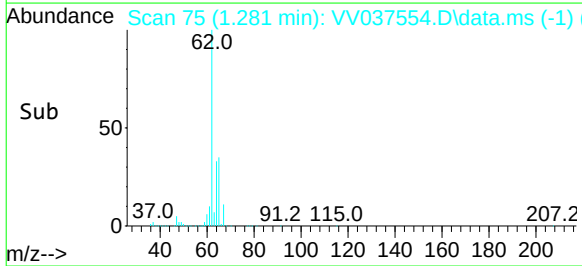
64 33.1 23.2 43.0

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#8

Chloroethane

Concen: 567.018 ug/L

RT: 1.548 min Scan# 158

Delta R.T. -0.000 min

Lab File: VV037554.D

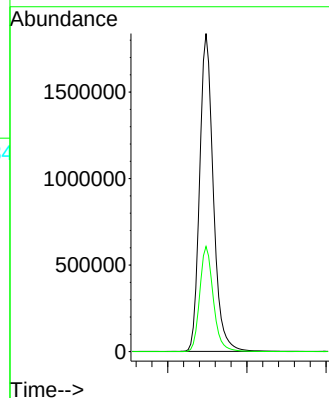
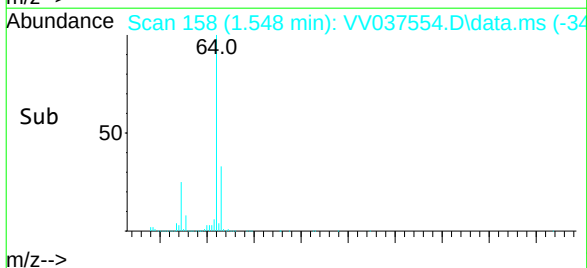
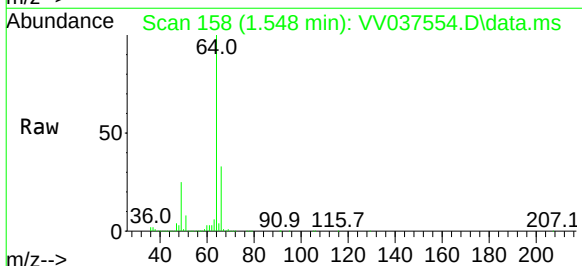
Acq: 26 Sep 2024 17:33

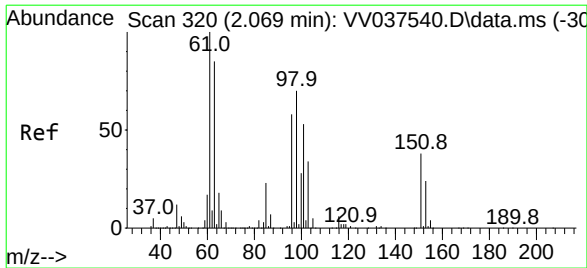
Tgt Ion: 64 Resp: 2195677

Ion Ratio Lower Upper

64 100

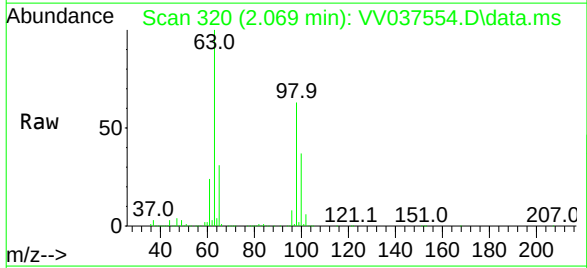
66 33.1 22.2 41.2





#12
1,1-Dichloroethene
Concen: 3.616 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

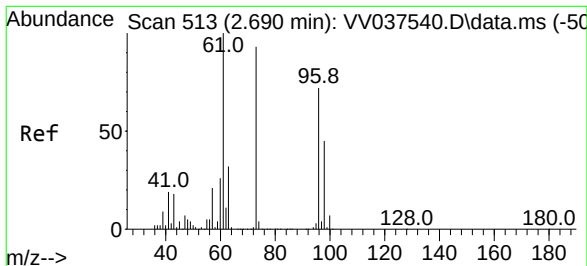
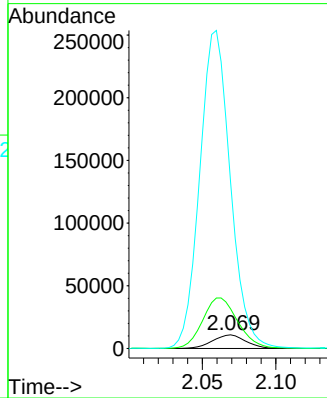
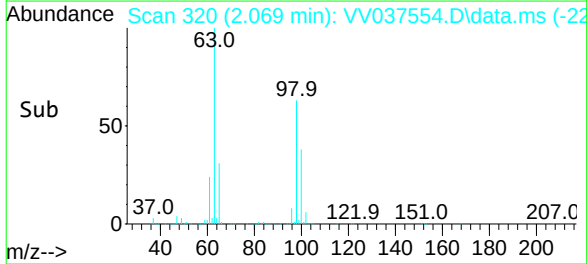
Instrument : MSVOA_V
ClientSampleId : EY031



Tgt Ion: 96 Resp: 17068
Ion Ratio Lower Upper
96 100
61 290.4 122.6 227.6
63 1219.1 118.0 219.2

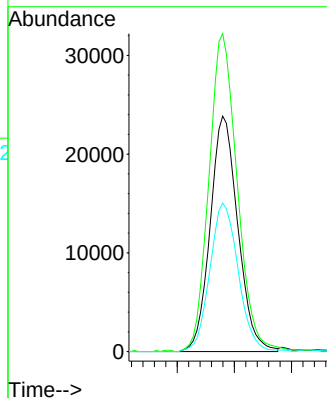
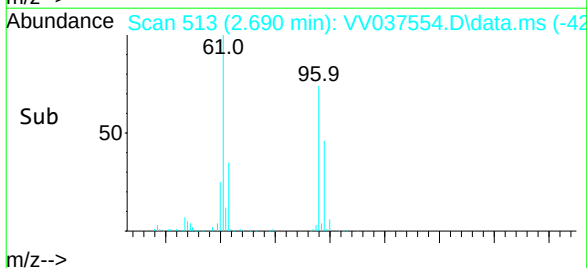
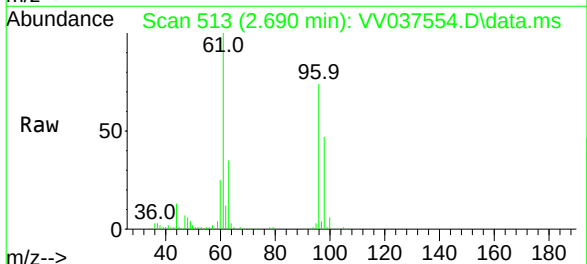
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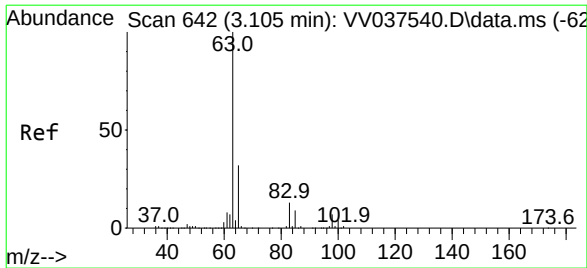
Reviewed By :Semsettin Yesilyurt 09/30/2024
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#17
trans-1,2-Dichloroethene
Concen: 8.044 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

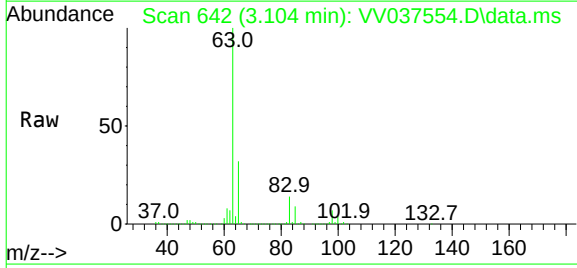
Tgt Ion: 96 Resp: 40170
Ion Ratio Lower Upper
96 100
61 135.0 97.3 180.7
98 63.1 43.9 81.5





#19
1,1-Dichloroethane
Concen: 522.942 ug/L
RT: 3.104 min Scan# 64
Delta R.T. -0.000 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

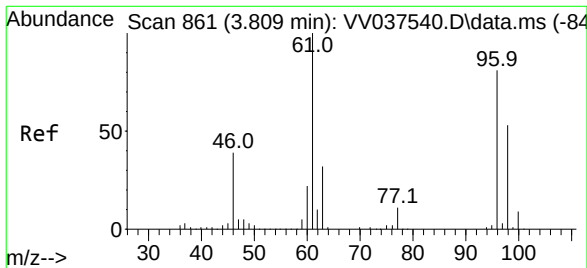
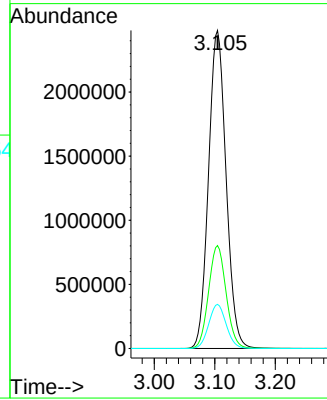
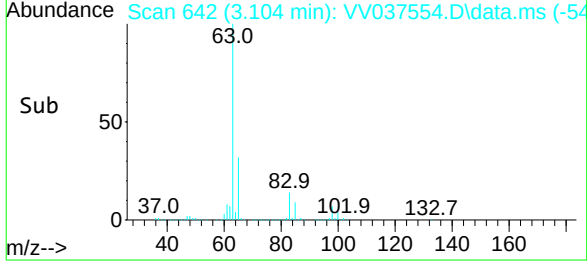
Instrument :
MSVOA_V
ClientSampleId :
EY031



Tgt Ion: 63 Resp: 5003569
Ion Ratio Lower Upper
63 100
65 32.4 22.4 41.6
83 13.9 9.5 17.7

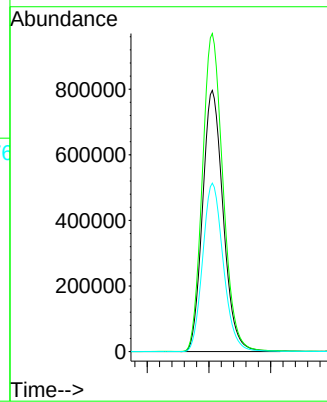
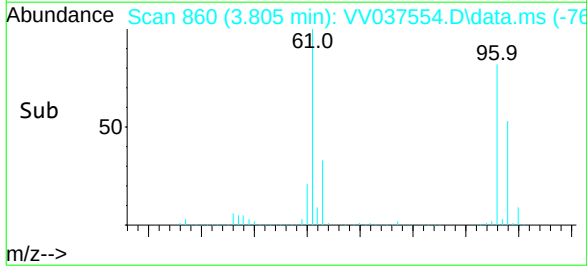
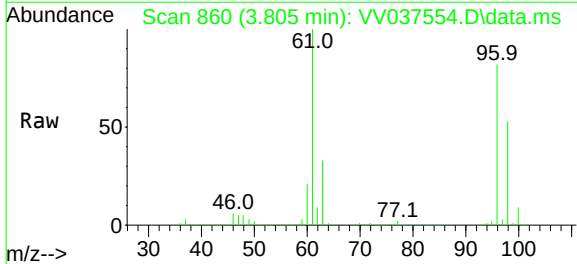
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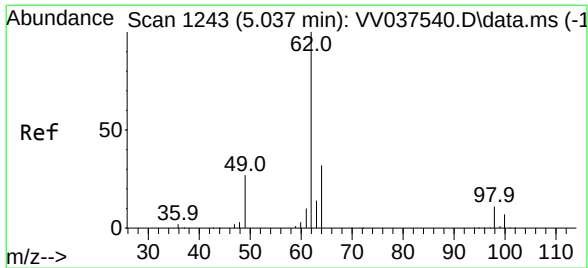
Reviewed By :Semsettin Yesilyurt 09/30/2024
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#20
cis-1,2-Dichloroethene
Concen: 330.885 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

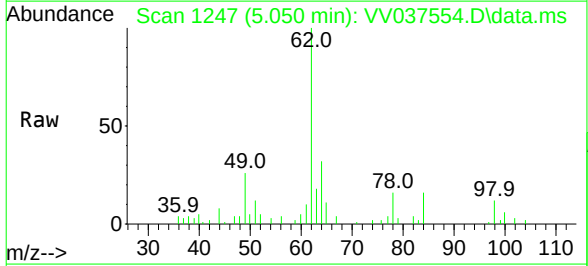
Tgt Ion: 96 Resp: 1849121
Ion Ratio Lower Upper
96 100
61 121.8 85.0 157.8
98 64.5 44.2 82.0





#27
1,2-Dichloroethane
Concen: 3.221 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.013 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

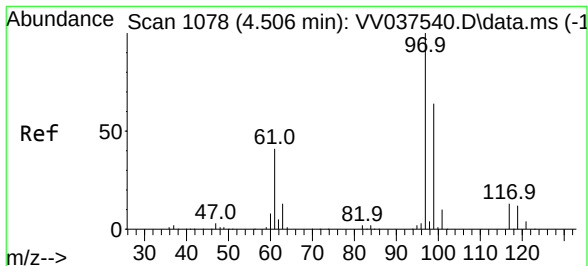
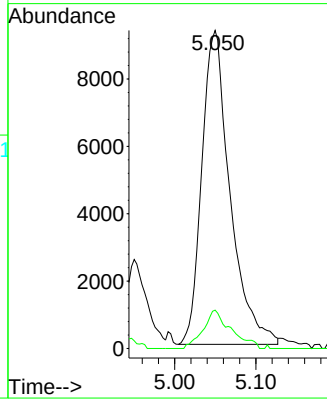
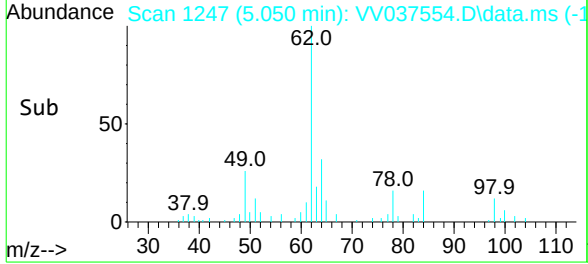
Instrument :
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EY031



Tgt Ion: 62 Resp: 22529
Ion Ratio Lower Upper
62 100
98 12.1 8.4 12.6

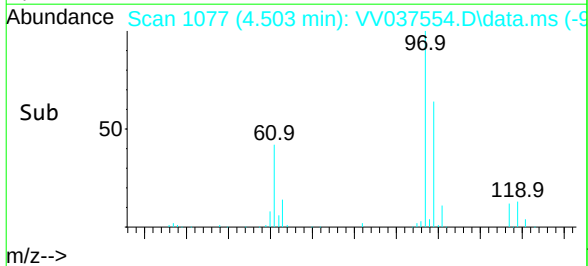
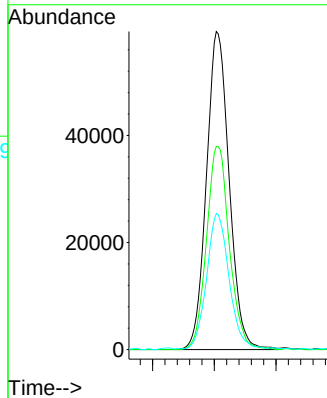
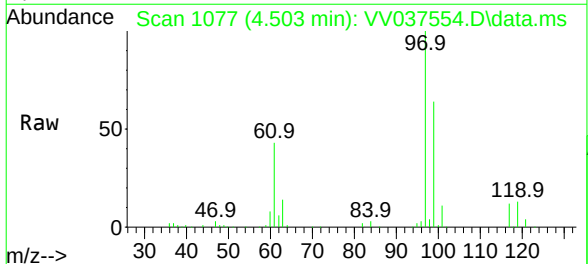
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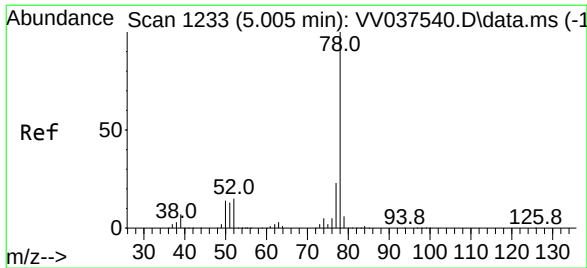
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#30
1,1,1-Trichloroethane
Concen: 18.147 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. -0.003 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

Tgt Ion: 97 Resp: 152032
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 41.4 33.6 50.4





#33

Benzene

Concen: 1.407 ug/L

RT: 5.008 min Scan# 1233

Delta R.T. 0.003 min

Lab File: VV037554.D

Acq: 26 Sep 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

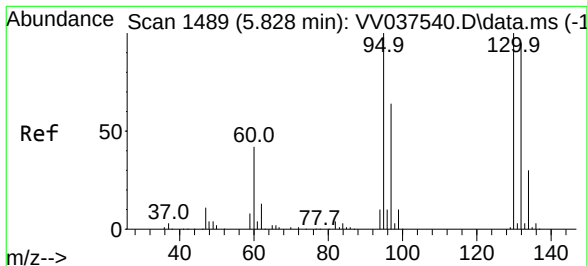
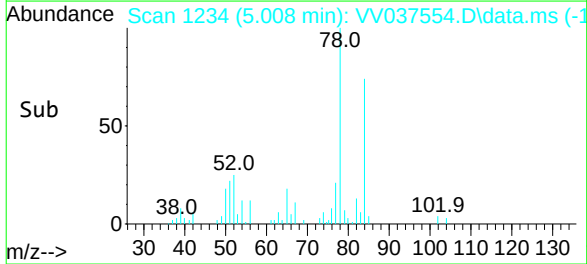
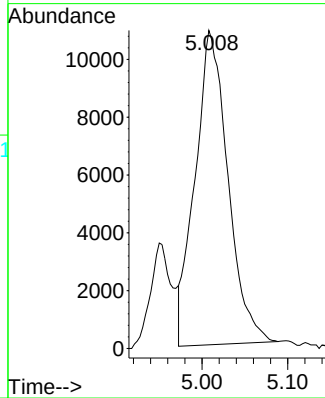
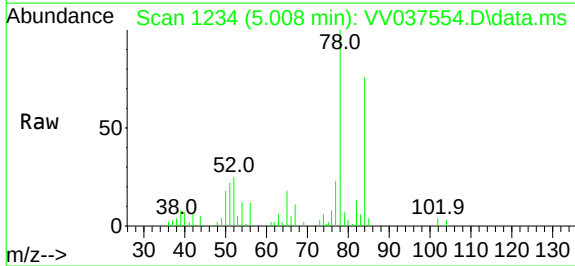
EY031

Tgt Ion: 78 Resp: 28871

Manual Integrations

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#34

Trichloroethene

Concen: 49.356 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV037554.D

Acq: 26 Sep 2024 17:33

Tgt Ion: 95 Resp: 269647

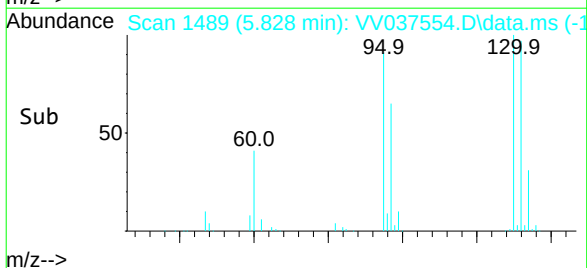
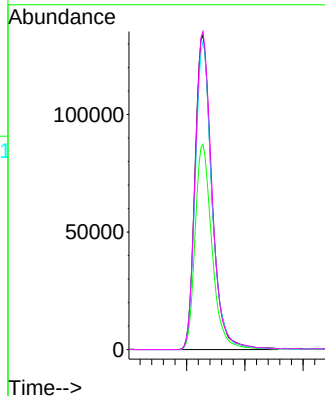
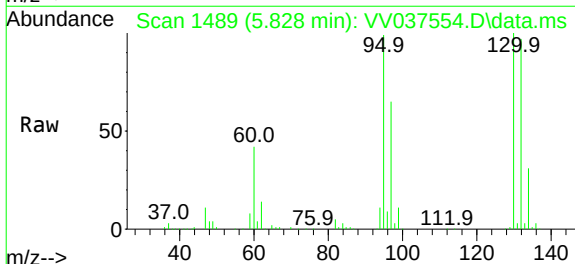
Ion Ratio Lower Upper

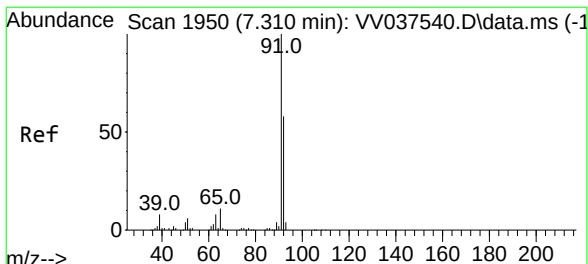
95 100

97 65.3 46.3 85.9

132 97.9 68.6 127.4

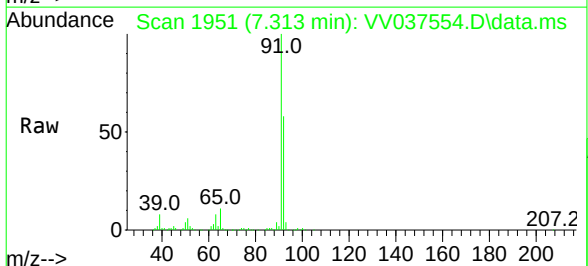
130 101.2 70.9 131.7





#42
Toluene
Concen: 18.034 ug/L
RT: 7.313 min Scan# 19
Delta R.T. 0.003 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

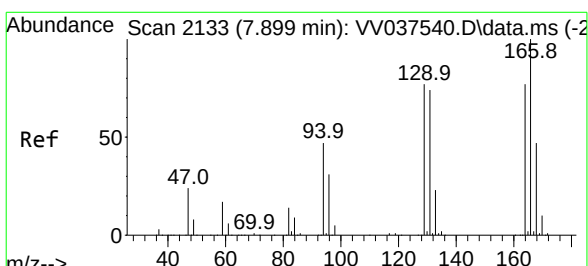
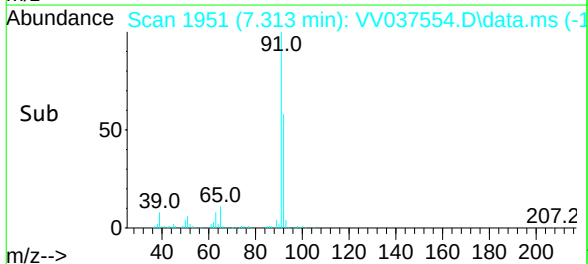
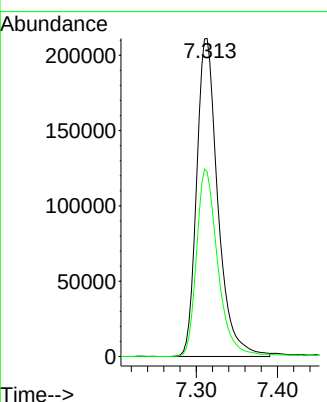
Instrument : MSVOA_V
ClientSampleId : EY031



Tgt Ion: 91 Resp: 383538

Ion	Ratio	Lower	Upper
91	100		
92	58.1	41.1	76.3

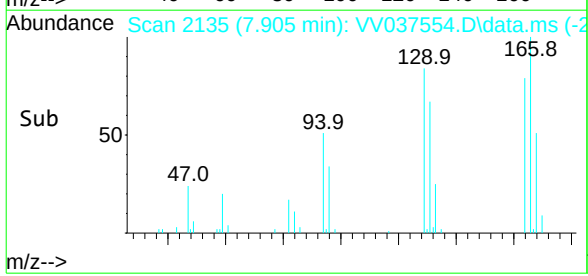
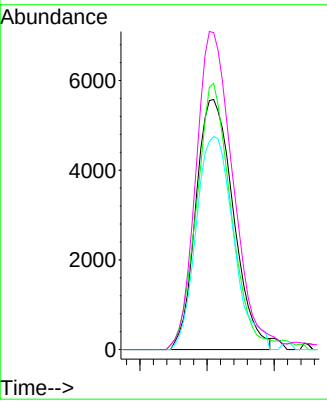
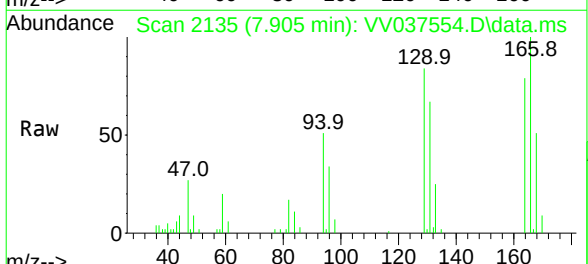
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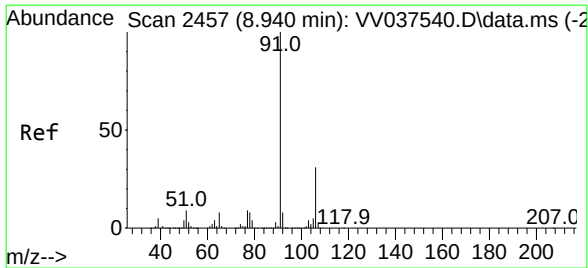


#46
Tetrachloroethene
Concen: 2.594 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.006 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

Tgt Ion:164 Resp: 10834

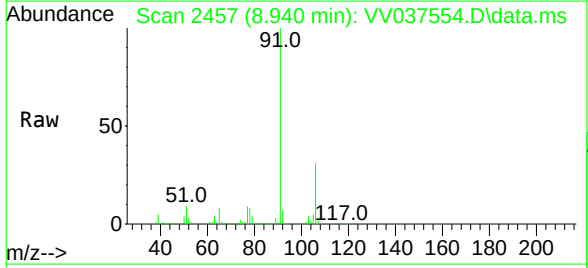
Ion	Ratio	Lower	Upper
164	100		
129	106.5	68.2	126.6
131	85.2	66.1	122.8
166	126.7	91.1	169.1





#52
Ethylbenzene
Concen: 78.234 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. -0.000 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

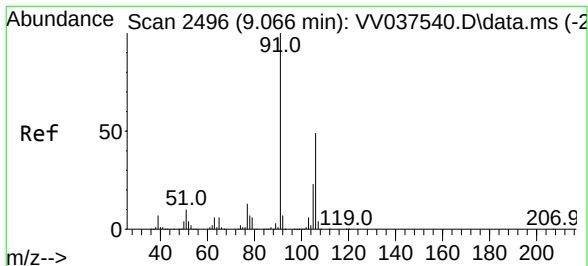
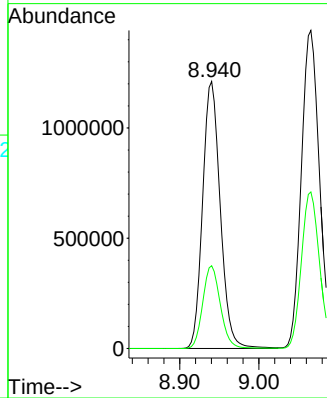
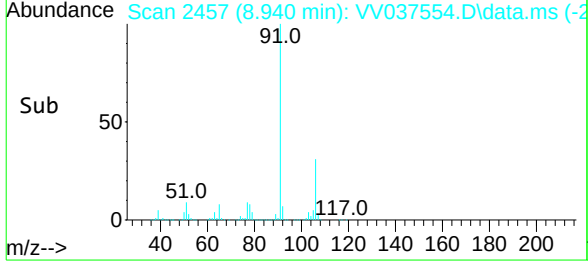
Instrument :
MSVOA_V
ClientSampleId :
EY031



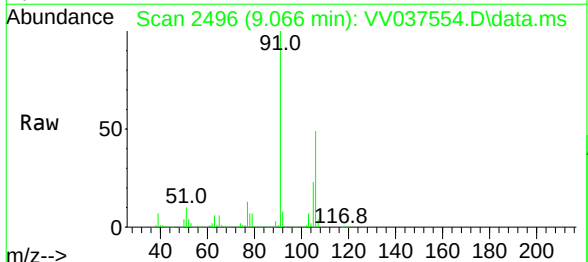
Tgt Ion: 91 Resp: 1872912
Ion Ratio Lower Upper
91 100
106 31.0 21.9 40.7

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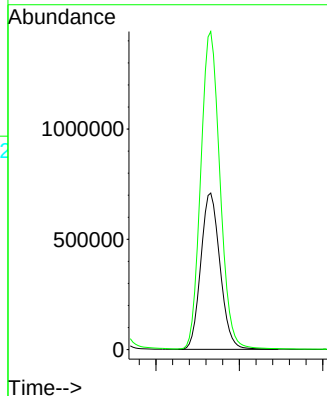
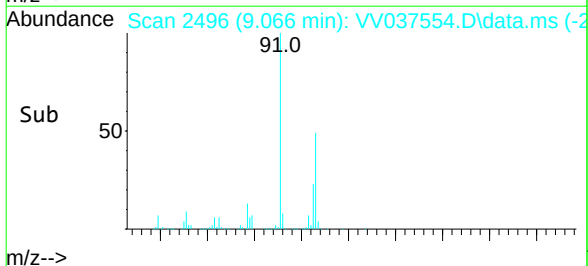
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

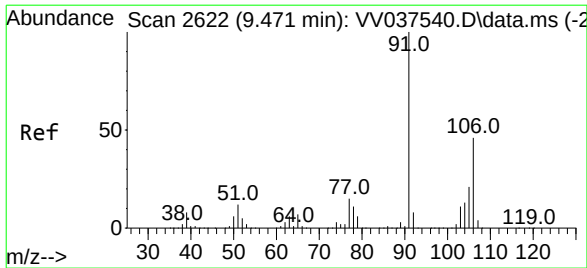


#53
m,p-Xylene
Concen: 127.487 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. -0.000 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33



Tgt Ion:106 Resp: 1135870
Ion Ratio Lower Upper
106 100
91 203.2 142.0 263.6





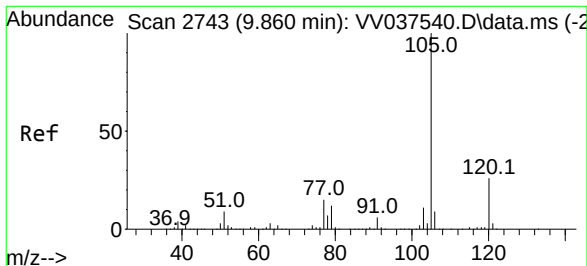
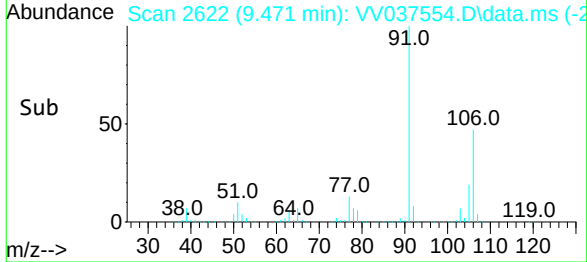
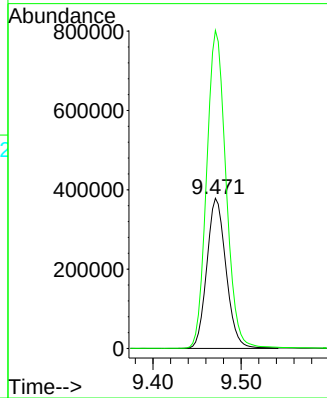
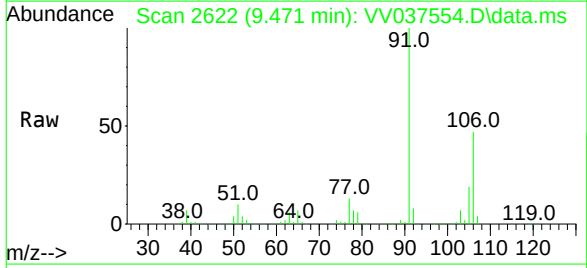
#54
o-Xylene
Concen: 65.888 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

Instrument : MSVOA_V
ClientSampleId : EY031

Tgt Ion:106 Resp: 573117
Ion Ratio Lower Upper
106 100
91 211.7 153.9 285.9

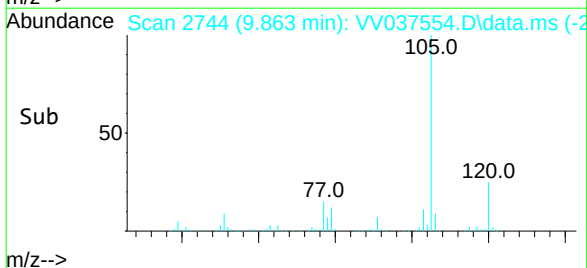
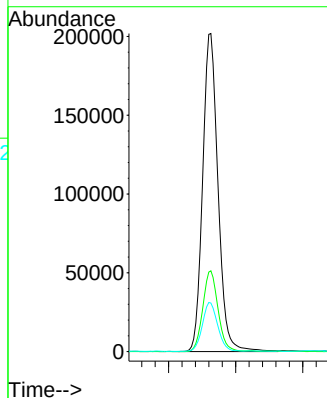
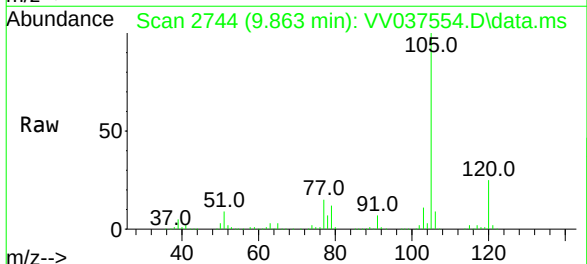
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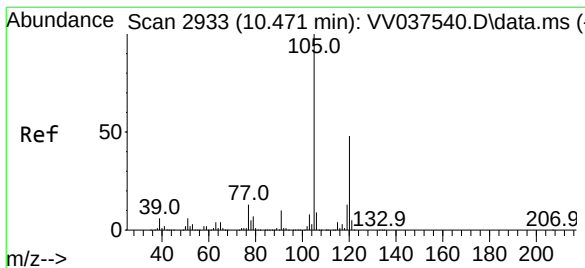
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#60
Isopropylbenzene
Concen: 13.546 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

Tgt Ion:105 Resp: 321492
Ion Ratio Lower Upper
105 100
120 25.2 20.7 31.1
77 15.3 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 29.577 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV037554.D

Acq: 26 Sep 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

EY031

Tgt Ion:105 Resp: 554996

Ion Ratio Lower Upper

105 100

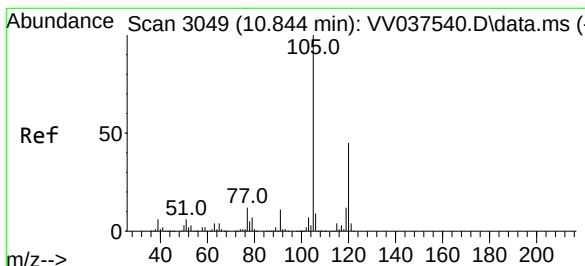
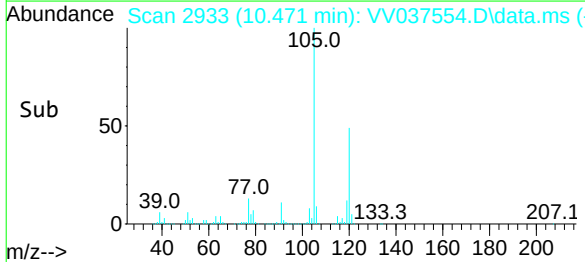
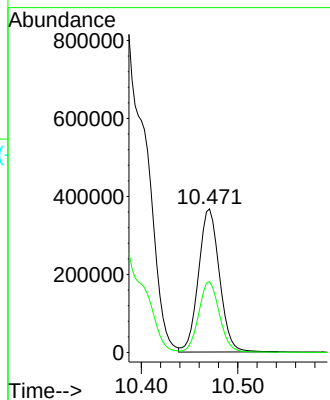
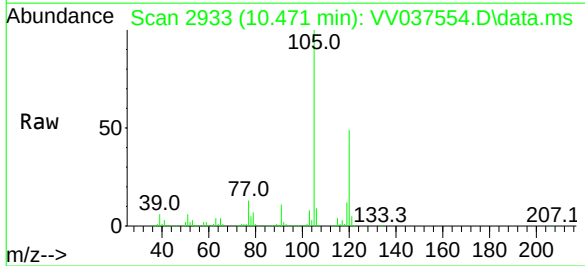
120 48.7 39.3 58.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024

Supervised By :Mahesh Dadoda 09/30/2024



#63

1,2,4-Trimethylbenzene

Concen: 323.516 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037554.D

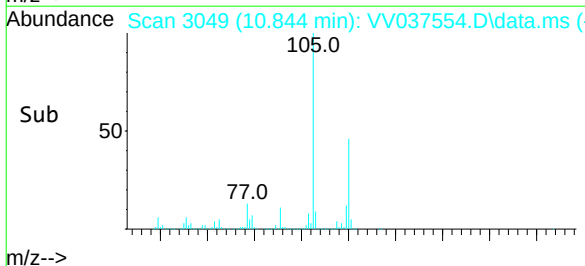
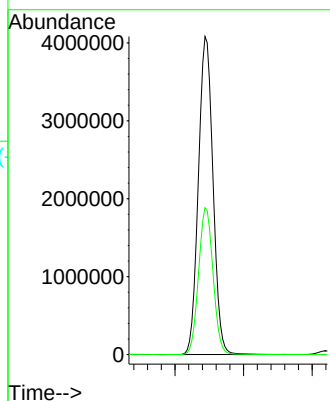
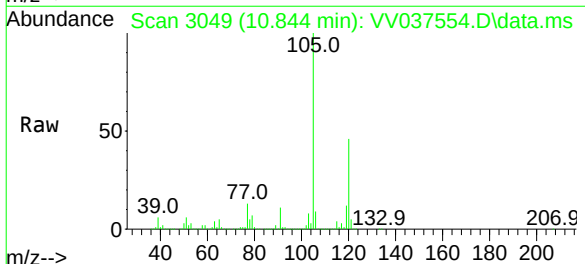
Acq: 26 Sep 2024 17:33

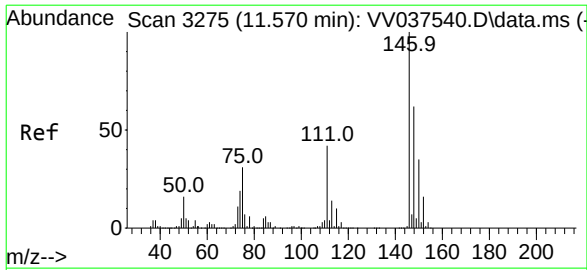
Tgt Ion:105 Resp: 6040035

Ion Ratio Lower Upper

105 100

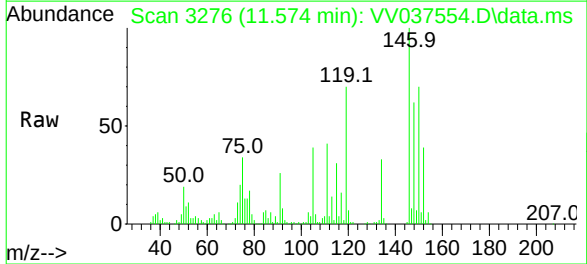
120 45.9 36.2 54.2





#67
1,2-Dichlorobenzene
Concen: 13.692 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.003 min
Lab File: VV037554.D
Acq: 26 Sep 2024 17:33

Instrument :
MSVOA_V
ClientSampleId :
EY031



Tgt	Ion	146	Resp	154627
Ion	Ratio	Lower	Upper	
146	100			
111	41.4	34.2	51.2	
148	61.6	50.9	76.3	

Manual Integrations
APPROVED

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

