

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037570.D
 Acq On : 27 Sep 2024 00:05
 Operator : SY/MD
 Sample : P4184-16
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EY042

Manual Integrations APPROVED

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

Quant Time: Sep 27 03:39:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 02:22:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	662301	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	647305	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	329824	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	247362	42.546	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.100%		
7) Chloroethane-d5	1.532	69	197265	43.712	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.420%		
11) 1,1-Dichloroethene-d2	2.060	65	107246	44.152	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.300%		
21) 2-Butanone-d5	3.809	46	216489	104.543	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.540%		
24) Chloroform-d	4.243	84	437361	42.283	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.560%		
26) 1,2-Dichloroethane-d4	4.937	65	265343	43.826	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.660%		
32) Benzene-d6	4.953	84	885630	43.723	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.440%		
36) 1,2-Dichloropropane-d6	5.982	67	286509	44.420	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.840%		
41) Toluene-d8	7.236	98	794738	43.270	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.540%		
43) trans-1,3-Dichloroprop...	7.548	79	130125	43.429	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.860%		
47) 2-Hexanone-d5	8.021	63	138004	101.327	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.330%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	337148	44.987	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.980%		
66) 1,2-Dichlorobenzene-d4	11.554	152	315365	45.376	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.760%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	52174	8.891	ug/L	96
8) Chloroethane	1.548	64	11345	3.137	ug/L	94
9) Trichlorofluoromethane	1.712	101	78723	9.966	ug/L	98
12) 1,1-Dichloroethene	2.069	96	546253	123.887	ug/L #	66
15) Methyl Acetate	2.372	43	5213	1.471	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	171289	36.721	ug/L	98
19) 1,1-Dichloroethane	3.101	63	18262378	2043.412	ug/L	94
20) cis-1,2-Dichloroethene	3.793	96	28529406m	5465.488	ug/L	
27) 1,2-Dichloroethane	5.047	62	32185	4.927	ug/L	94
30) 1,1,1-Trichloroethane	4.494	97	32538875m	4081.439	ug/L	
33) Benzene	5.008	78	151583	7.765	ug/L	100
34) Trichloroethene	5.831	95	86088	16.559	ug/L	98
35) Methylcyclohexane	6.043	83	53043	6.632	ug/L	98
42) Toluene	7.307	91	3396057	167.804	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	20791	4.295	ug/L	98
46) Tetrachloroethene	7.899	164	151739	38.174	ug/L	98
52) Ethylbenzene	8.940	91	1455069	63.871	ug/L	99
53) m,p-Xylene	9.066	106	2075827	244.835	ug/L	99
54) o-Xylene	9.471	106	1197214	144.636	ug/L	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.863	105	291569	13.597	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	2303737	135.889	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	8577499	508.512	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	21841	2.141	ug/L	93

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

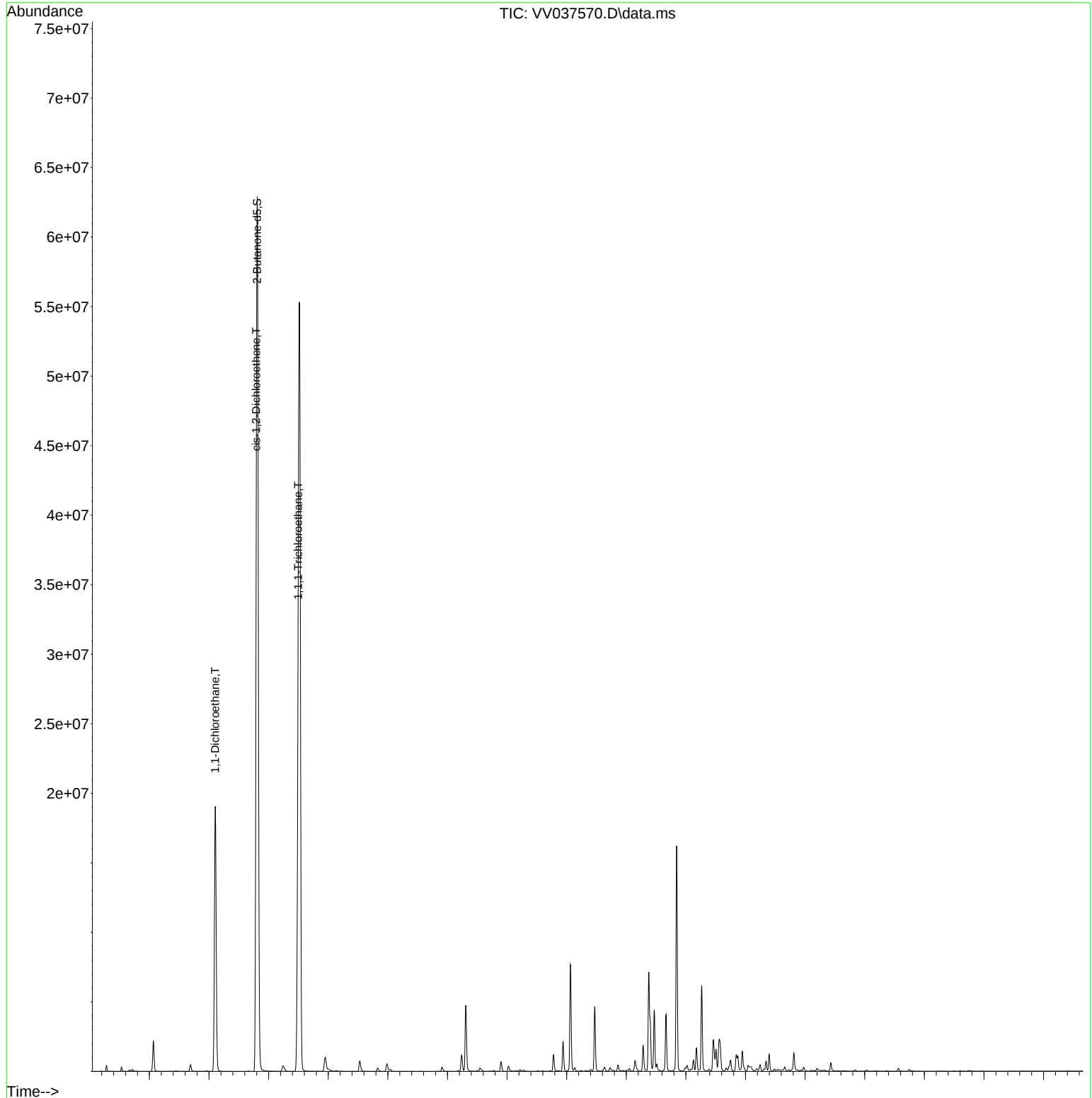
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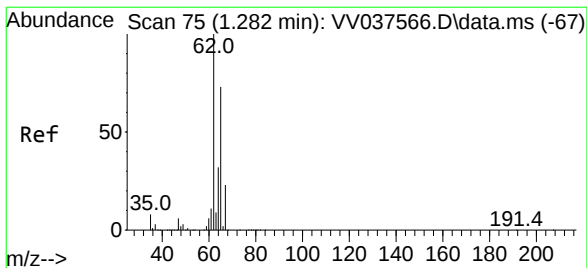
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#5

Vinyl chloride

Concen: 8.891 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.003 min

Lab File: VV037570.D

Acq: 27 Sep 2024 00:05

Instrument :

MSVOA_V

ClientSampleId :

EY042

Tgt Ion: 62 Resp: 52174

Ion Ratio Lower Upper

62 100

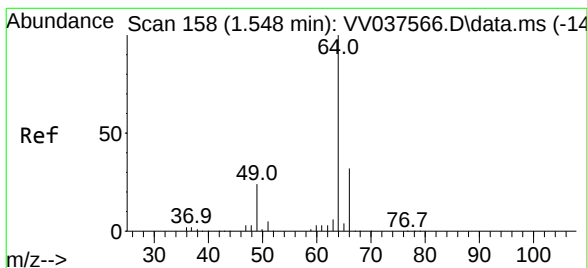
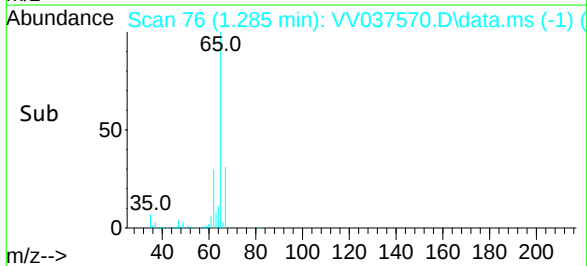
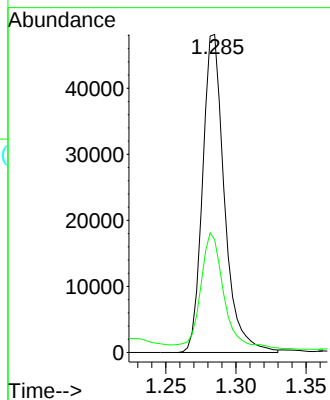
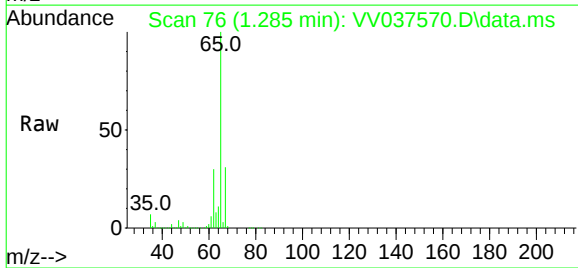
64 35.5 23.2 43.0

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#8

Chloroethane

Concen: 3.137 ug/L

RT: 1.548 min Scan# 158

Delta R.T. 0.000 min

Lab File: VV037570.D

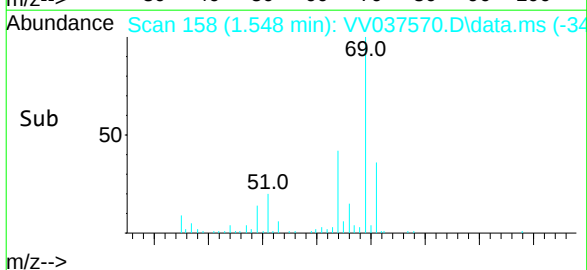
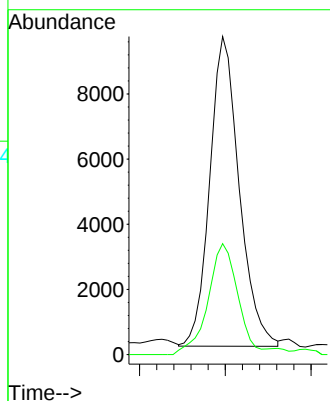
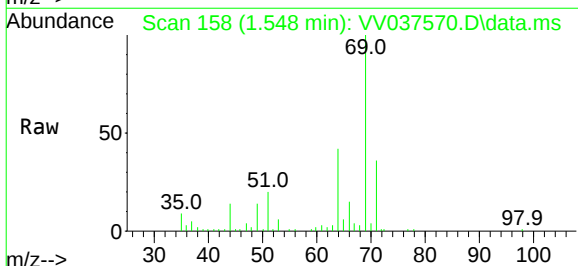
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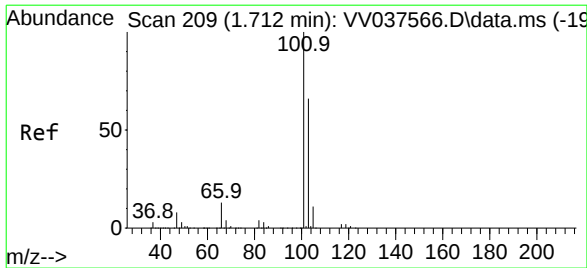
Tgt Ion: 64 Resp: 11345

Ion Ratio Lower Upper

64 100

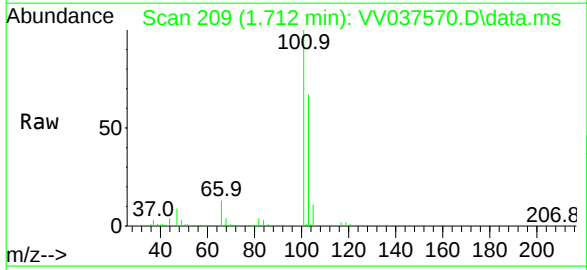
66 34.9 22.2 41.2





#9
Trichlorofluoromethane
Concen: 9.966 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

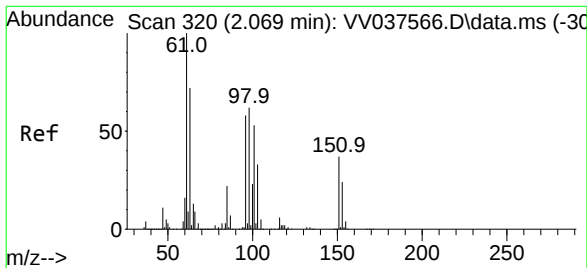
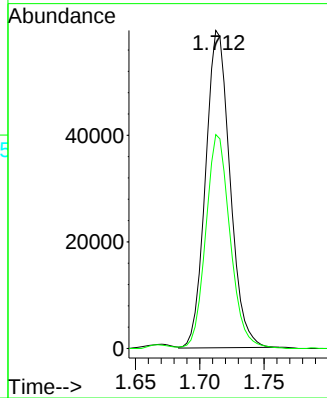
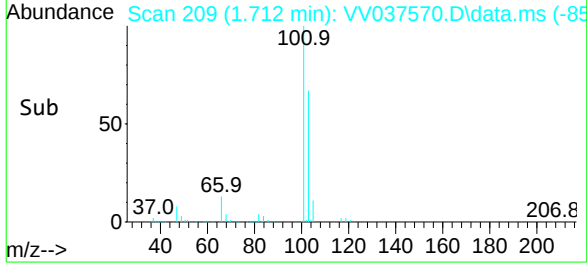
Instrument :
MSVOA_V
ClientSampleId :
EY042



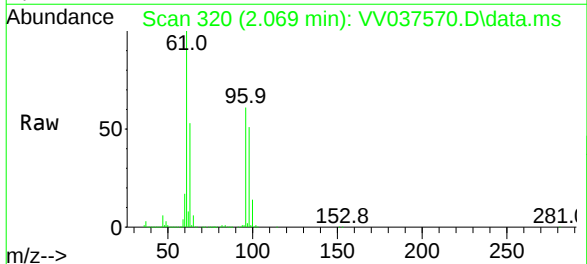
Tgt Ion: 101 Resp: 78723
Ion Ratio Lower Upper
101 100
103 67.3 52.2 78.4

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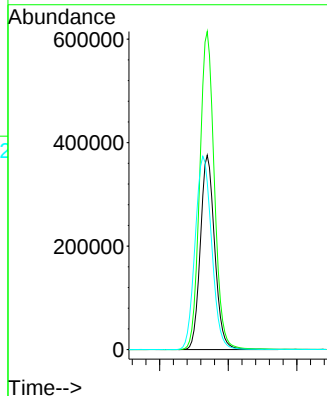
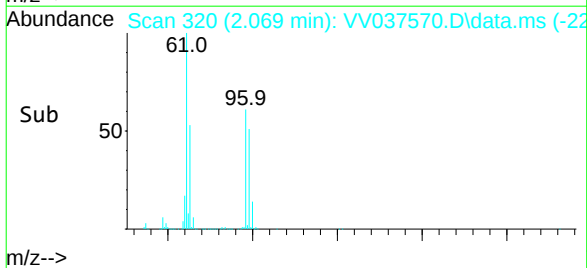
Reviewed By : Semsettin Yesilyurt 09/30/2024
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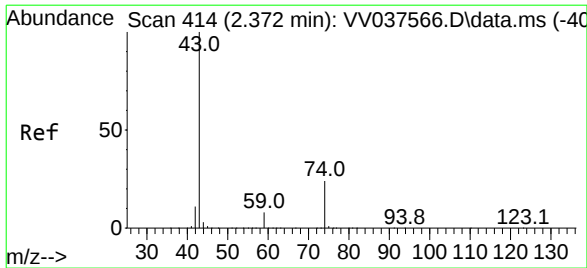


#12
1,1-Dichloroethene
Concen: 123.887 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05



Tgt Ion: 96 Resp: 546253
Ion Ratio Lower Upper
96 100
61 163.6 122.6 227.6
63 86.2 118.0 219.2#





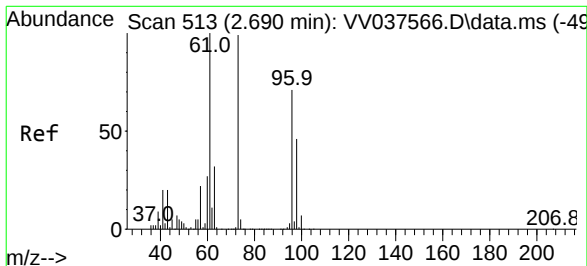
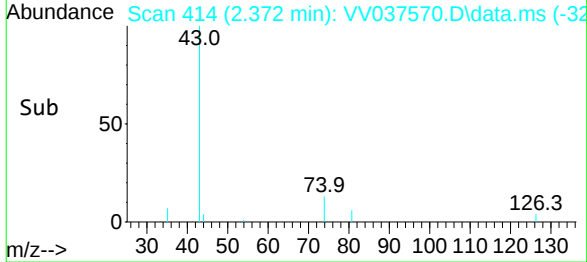
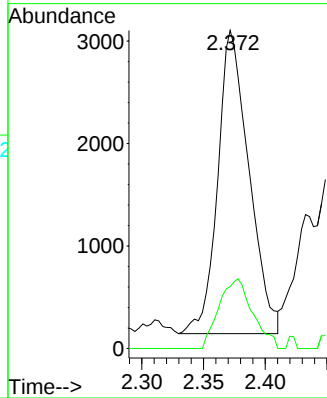
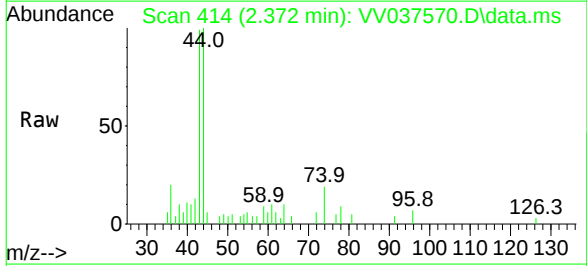
#15
Methyl Acetate
Concen: 1.471 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

Instrument :
MSVOA_V
ClientSampleId :
EY042

Tgt Ion: 43 Resp: 5213
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.0

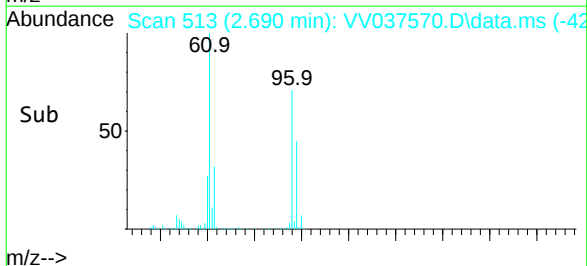
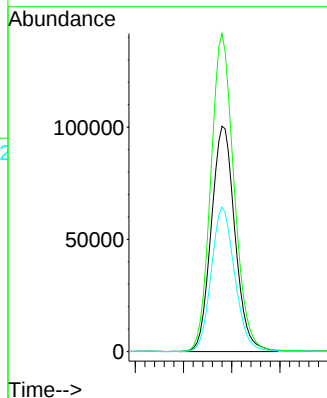
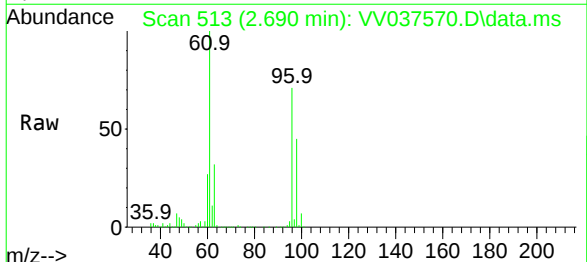
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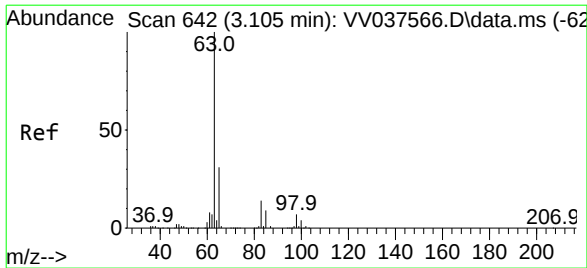
Reviewed By :Semsettin Yesilyurt 09/30/2024
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#17
trans-1,2-Dichloroethene
Concen: 36.721 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

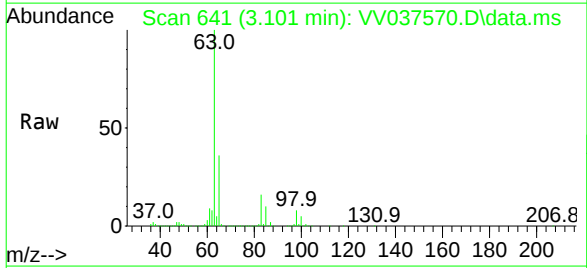
Tgt Ion: 96 Resp: 171289
Ion Ratio Lower Upper
96 100
61 141.2 97.3 180.7
98 64.1 43.9 81.5





#19
1,1-Dichloroethane
Concen: 2043.412 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.003 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

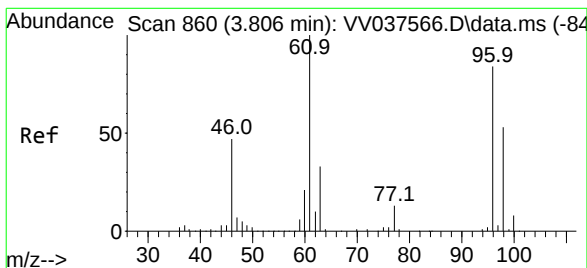
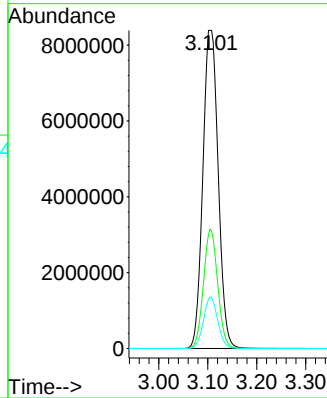
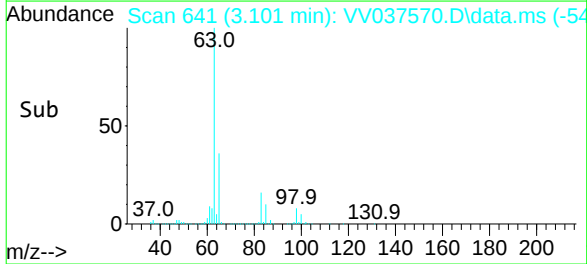
Instrument :
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ClientSampleId :
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Tgt Ion: 63 Resp:18262378
Ion Ratio Lower Upper
63 100
65 35.9 22.4 41.6
83 15.5 9.5 17.7

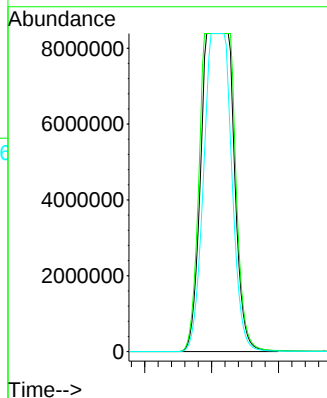
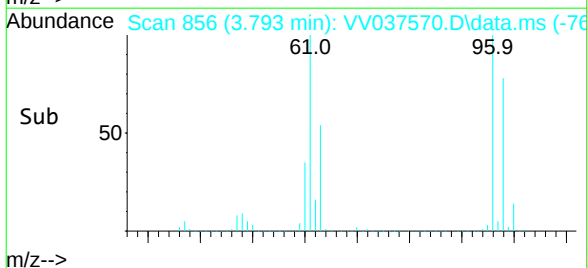
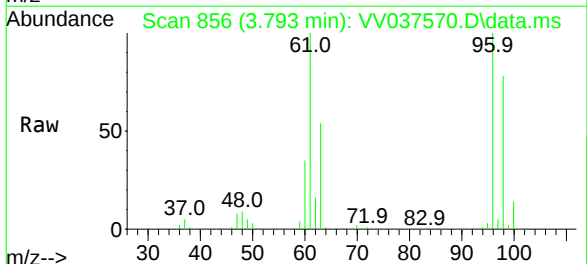
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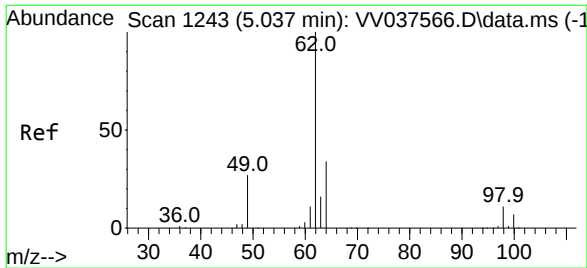
Reviewed By :Semsettin Yesilyurt 09/30/2024
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#20
cis-1,2-Dichloroethene
Concen: 5465.488 ug/L m
RT: 3.793 min Scan# 856
Delta R.T. -0.013 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

Tgt Ion: 96 Resp:28529406
Ion Ratio Lower Upper
96 100
61 100.0 85.0 157.8
98 78.2 44.2 82.0





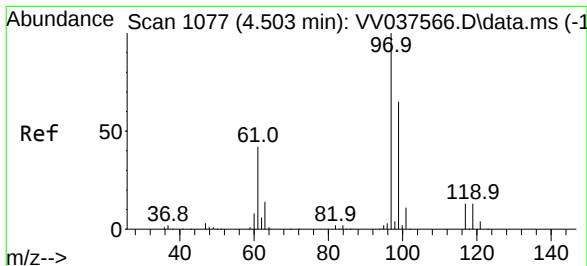
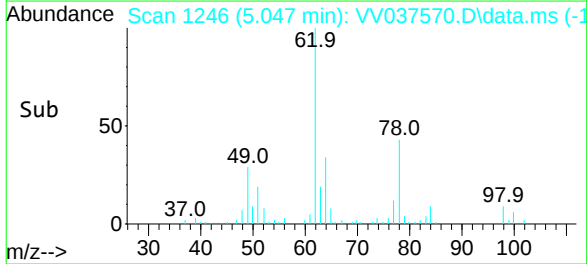
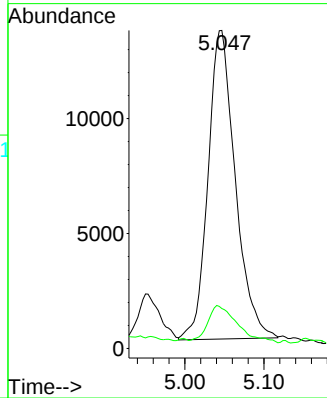
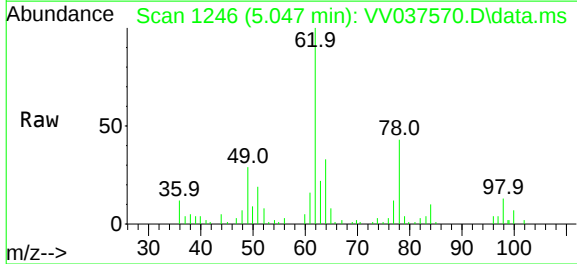
#27
1,2-Dichloroethane
Concen: 4.927 ug/L
RT: 5.047 min Scan# 1243
Delta R.T. 0.010 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

Instrument :
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Tgt Ion: 62 Resp: 32185
Ion Ratio Lower Upper
62 100
98 12.6 8.4 12.6

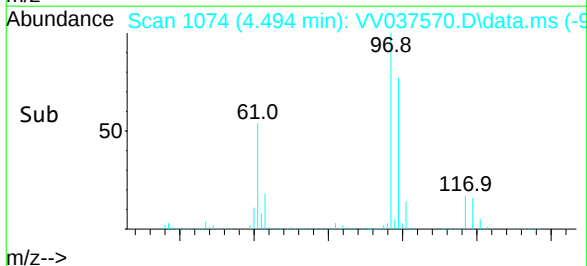
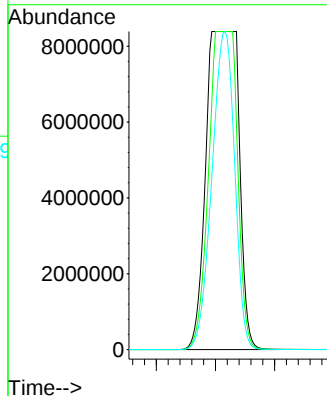
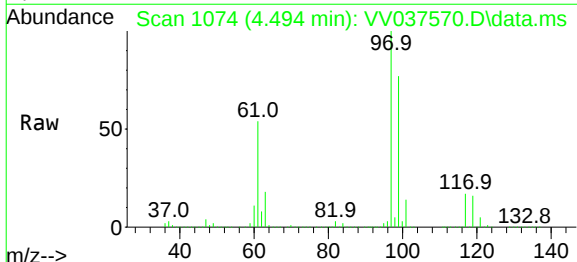
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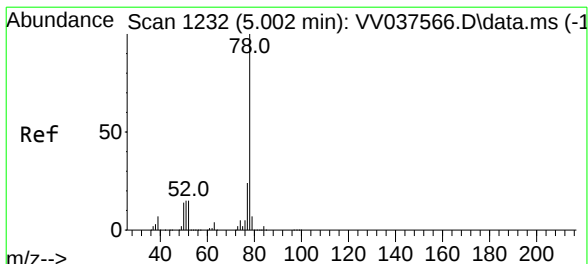
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#30
1,1,1-Trichloroethane
Concen: 4081.439 ug/L m
RT: 4.494 min Scan# 1074
Delta R.T. -0.010 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

Tgt Ion: 97 Resp:32538875
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 0.0 33.6 50.4#





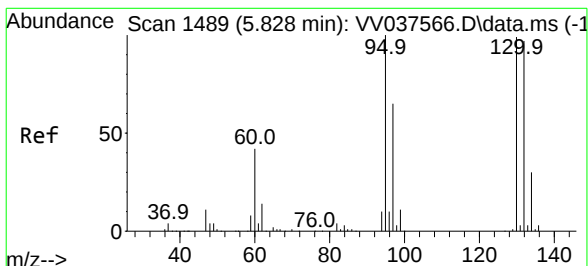
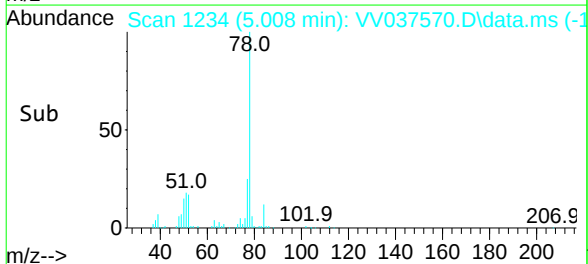
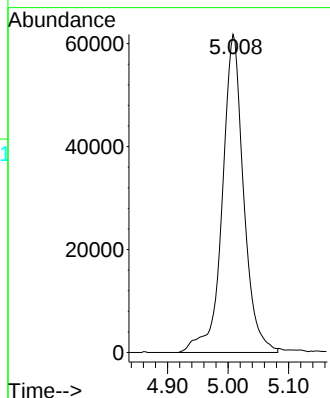
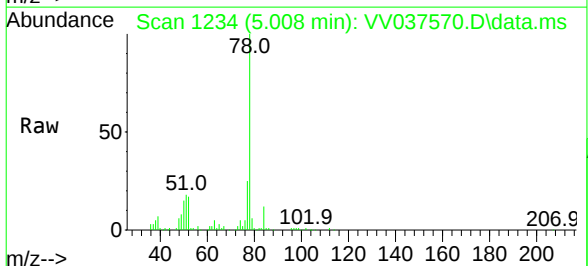
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Benzene
Concen: 7.765 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VV037570.D
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Tgt Ion: 78 Resp: 151583

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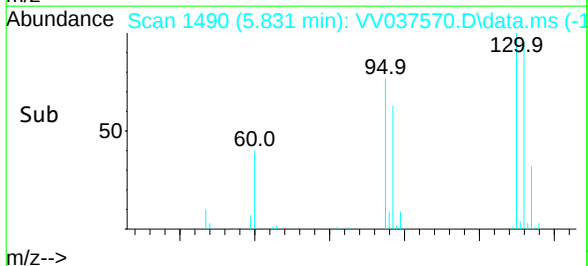
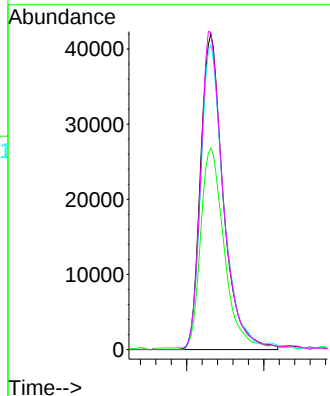
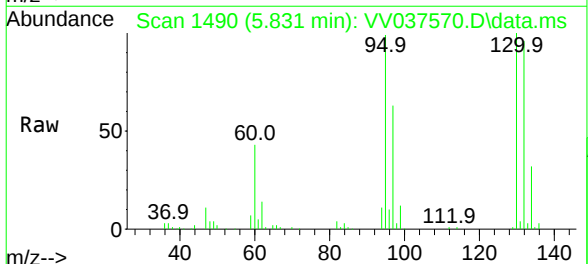
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

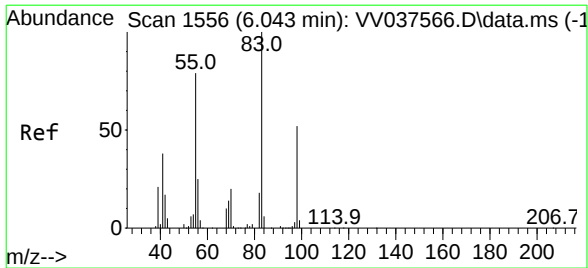


#34
Trichloroethene
Concen: 16.559 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

Tgt Ion: 95 Resp: 86088

Ion	Ratio	Lower	Upper
95	100		
97	63.9	46.3	85.9
132	96.4	68.6	127.4
130	100.6	70.9	131.7





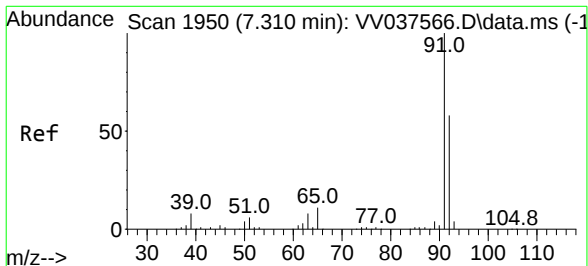
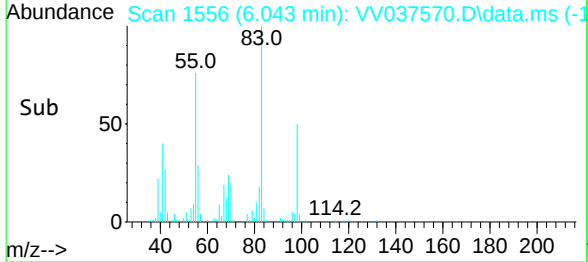
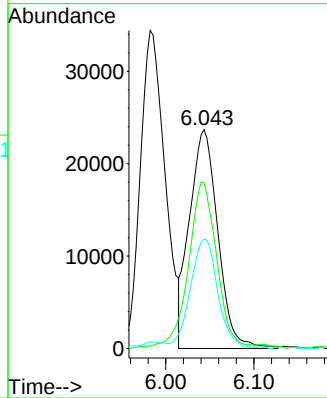
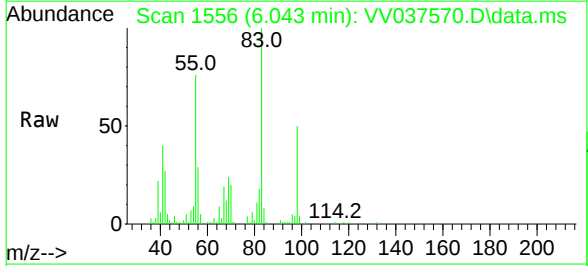
#35
Methylcyclohexane
Concen: 6.632 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

Instrument :
MSVOA_V
ClientSampleId :
EY042

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.9	57.9	86.9
98	47.2	39.3	58.9

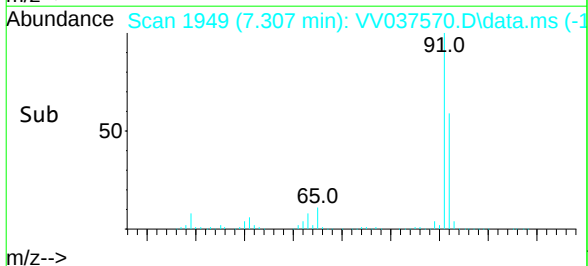
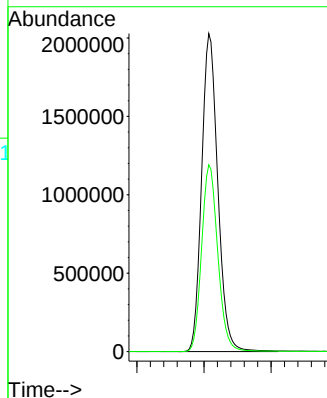
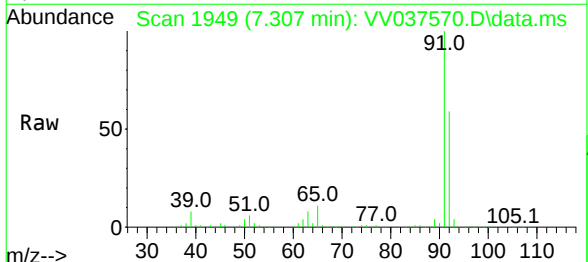
Manual Integrations
APPROVED

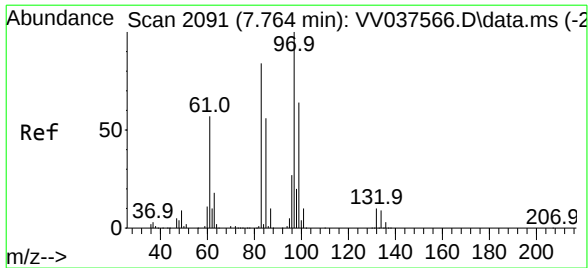
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#42
Toluene
Concen: 167.804 ug/L
RT: 7.307 min Scan# 1949
Delta R.T. -0.003 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

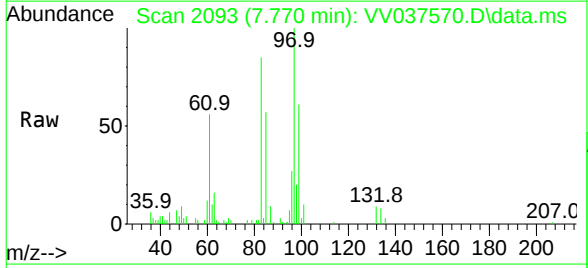
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.7	41.1	76.3





#45
1,1,2-Trichloroethane
Concen: 4.295 ug/L
RT: 7.770 min Scan# 2091
Delta R.T. 0.006 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

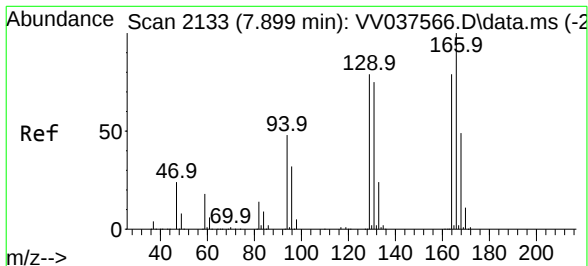
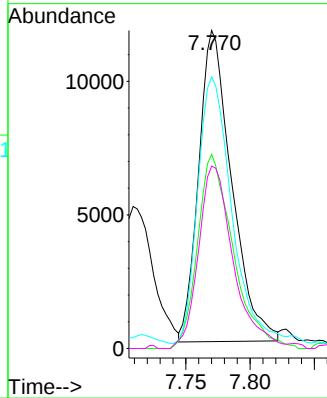
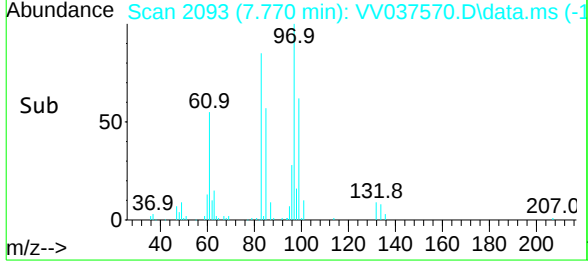
Instrument :
MSVOA_V
ClientSampleId :
EY042



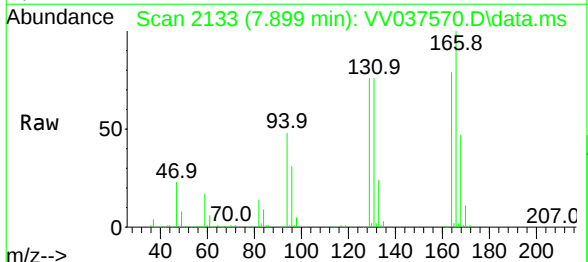
Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.0	44.1	81.9
83	85.4	59.3	110.1
85	57.3	39.0	72.4

Manual Integrations
APPROVED

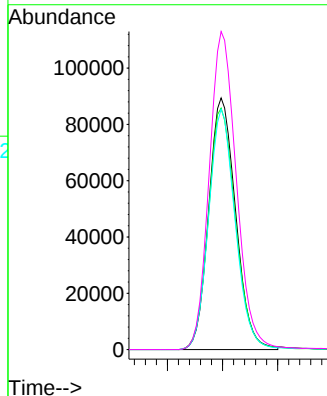
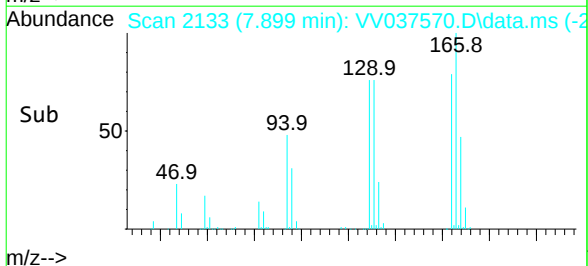
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

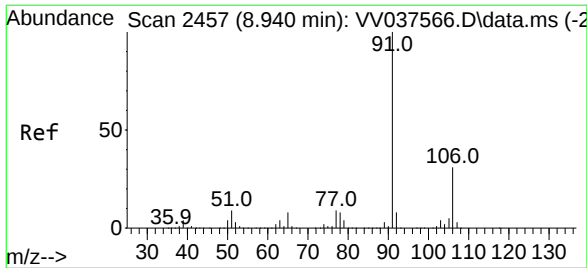


#46
Tetrachloroethene
Concen: 38.174 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05



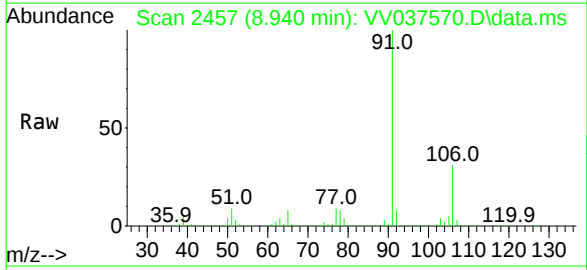
Tgt Ion	Ratio	Lower	Upper
164	100		
129	95.9	68.2	126.6
131	95.5	66.1	122.8
166	126.4	91.1	169.1





#52
Ethylbenzene
Concen: 63.871 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

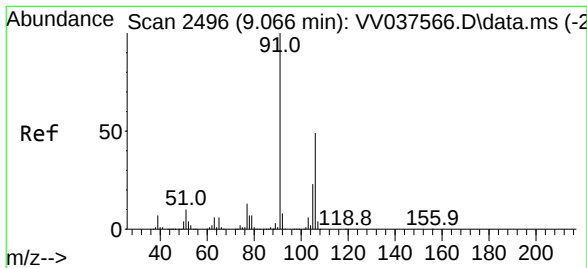
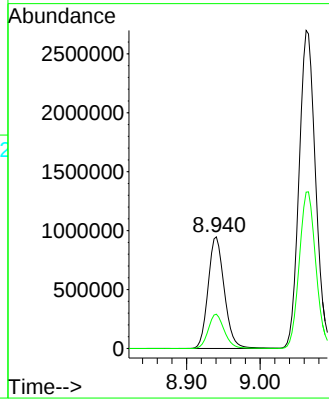
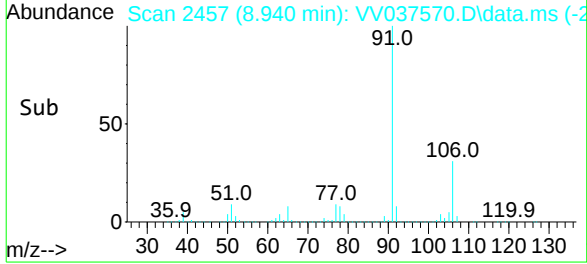
Instrument :
MSVOA_V
ClientSampleId :
EY042



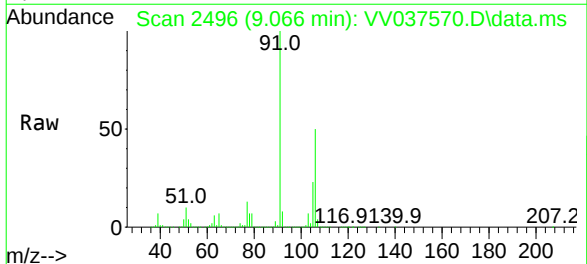
Tgt Ion: 91 Resp: 1455069
Ion Ratio Lower Upper
91 100
106 30.7 21.9 40.7

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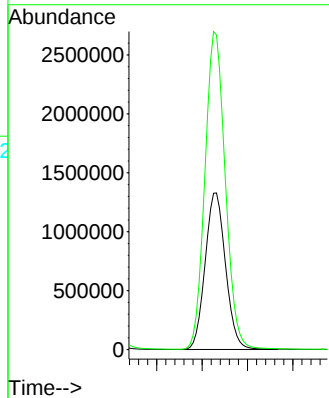
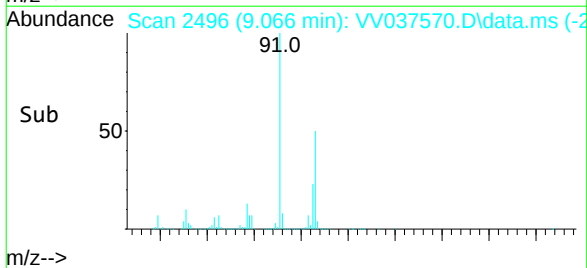
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

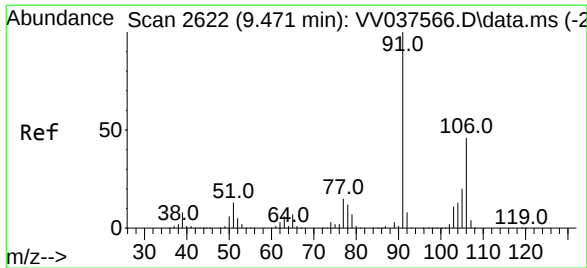


#53
m,p-Xylene
Concen: 244.835 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05



Tgt Ion:106 Resp: 2075827
Ion Ratio Lower Upper
106 100
91 200.8 142.0 263.6





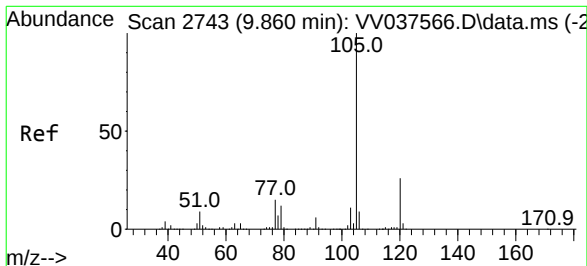
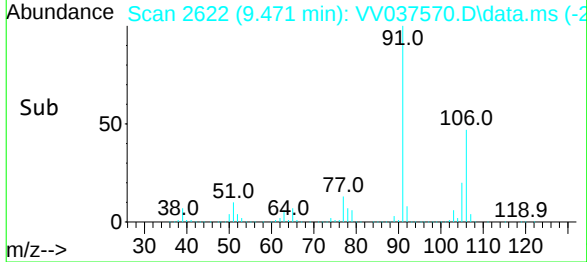
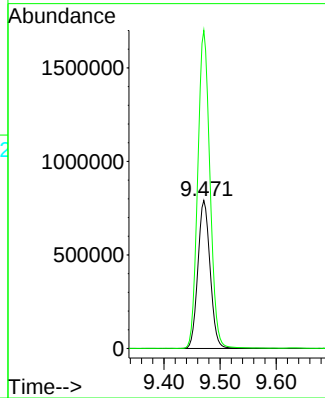
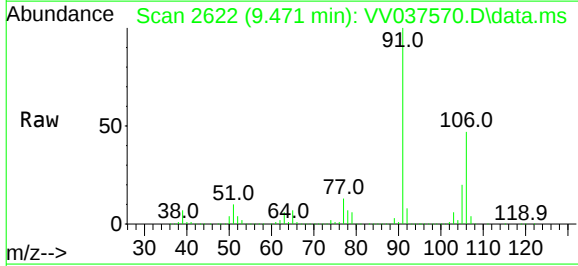
#54
o-Xylene
Concen: 144.636 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

Instrument :
MSVOA_V
ClientSampleId :
EY042

Tgt Ion:106 Resp: 1197214
Ion Ratio Lower Upper
106 100
91 214.9 153.9 285.9

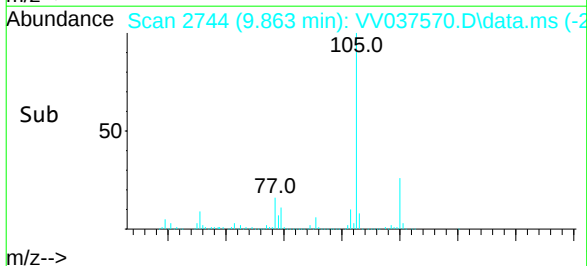
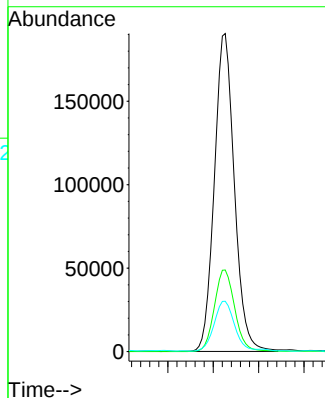
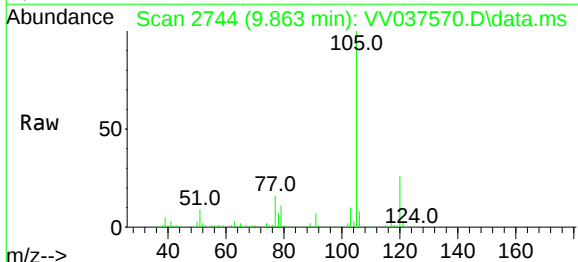
Manual Integrations
APPROVED

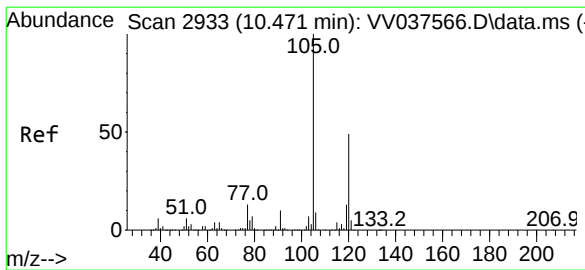
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#60
Isopropylbenzene
Concen: 13.597 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

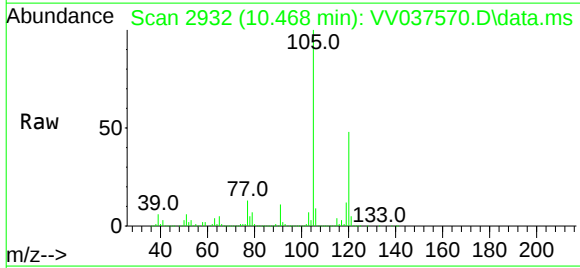
Tgt Ion:105 Resp: 291569
Ion Ratio Lower Upper
105 100
120 26.2 20.7 31.1
77 15.9 12.2 18.2





#62
1,3,5-Trimethylbenzene
Concen: 135.889 ug/L
RT: 10.468 min Scan# 2933
Delta R.T. -0.003 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

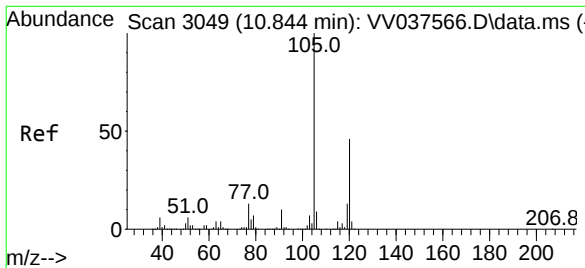
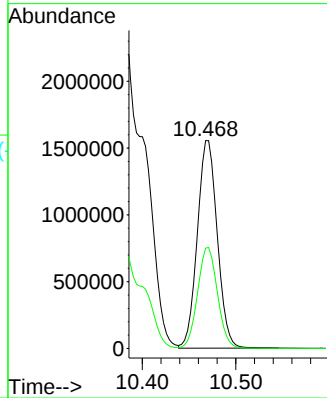
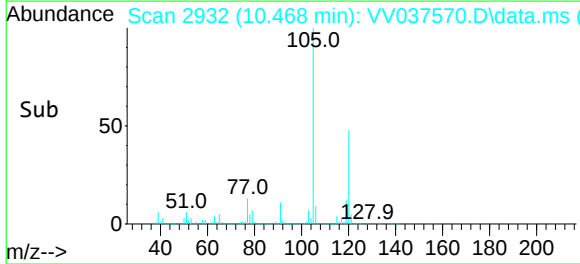
Instrument :
MSVOA_V
ClientSampleId :
EY042



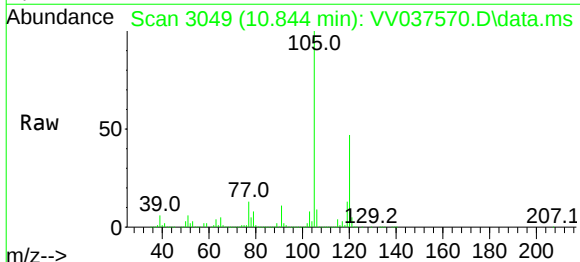
Tgt Ion:105 Resp: 2303737
Ion Ratio Lower Upper
105 100
120 48.3 39.3 58.9

Manual Integrations
APPROVED

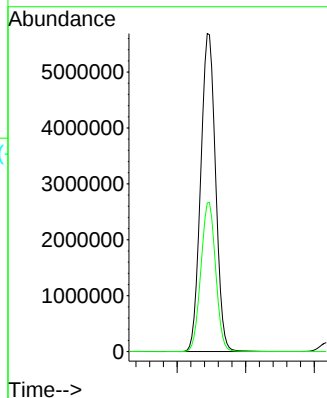
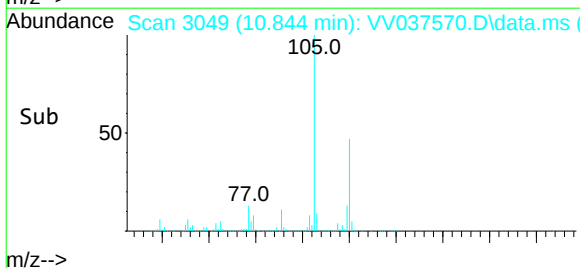
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

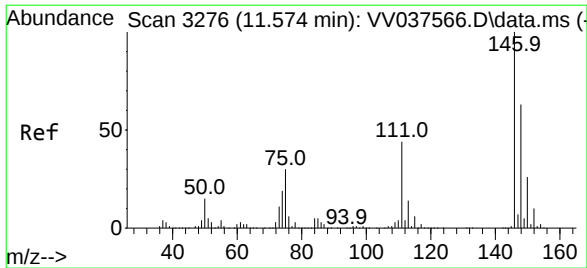


#63
1,2,4-Trimethylbenzene
Concen: 508.512 ug/L
RT: 10.844 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05



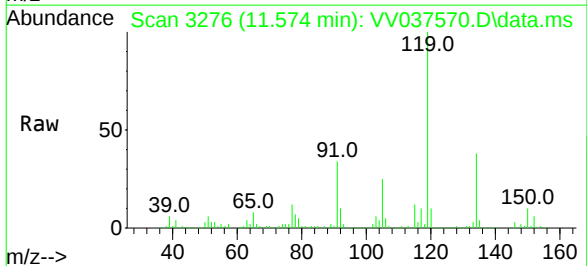
Tgt Ion:105 Resp: 8577499
Ion Ratio Lower Upper
105 100
120 46.4 36.2 54.2





#67
1,2-Dichlorobenzene
Concen: 2.141 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.000 min
Lab File: VV037570.D
Acq: 27 Sep 2024 00:05

Instrument :
MSVOA_V
ClientSampleId :
EY042



Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.6	34.2	51.2
148	66.7	50.9	76.3

Manual Integrations
APPROVED

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

