

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072922\
 Data File : VW027106.D
 Acq On : 30 Jul 2022 00:41
 Operator : SY/MD
 Sample : N3956-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXF02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/01/2022
 Supervised By :Mahesh Dadoda 08/02/2022

Quant Time: Jul 30 04:29:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 30 01:28:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	579970	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	615482	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	326175	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	165870	30.062	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	60.120%		
7) Chloroethane-d5	1.564	69	148524	33.974	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	67.940%#		
11) 1,1-Dichloroethene-d2	2.101	63	232579	24.759	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	49.520%#		
21) 2-Butanone-d5	3.883	46	227331	72.256	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	72.260%		
24) Chloroform-d	4.343	84	380890	38.328	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.660%		
26) 1,2-Dichloroethane-d4	5.027	65	241231	42.762	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.520%		
32) Benzene-d6	5.047	84	811329	37.538	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.080%		
36) 1,2-Dichloropropane-d6	6.066	67	259025	39.156	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	78.320%		
41) Toluene-d8	7.313	98	724582	37.090	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.180%#		
43) trans-1,3-Dichloroprop...	7.619	79	119155	40.776	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.560%		
47) 2-Hexanone-d5	8.085	63	267336	94.006	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.010%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	395140	39.616	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.240%		
66) 1,2-Dichlorobenzene-d4	11.622	152	297144	40.525	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.060%		
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	67646	11.587	ug/L	98
13) Acetone	2.169	43	13254m	5.688	ug/L	
14) Carbon disulfide	2.288	76	79535	5.934	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	3548	0.767	ug/L	98
19) 1,1-Dichloroethane	3.185	63	19565	2.422	ug/L	96
29) Cyclohexane	4.674	56	13057	1.974	ug/L	93
33) Benzene	5.095	78	16905024	852.283	ug/L	100
34) Trichloroethene	5.912	95	17678	3.463	ug/L	98
35) Methylcyclohexane	6.127	83	24220	3.180	ug/L	91
40) 4-Methyl-2-pentanone	7.233	43	21646	3.447	ug/L	92
42) Toluene	7.384	91	2871523	140.412	ug/L	99
51) Chlorobenzene	8.876	112	16399524m	1189.066	ug/L	
52) Ethylbenzene	9.011	91	164849	7.961	ug/L	98
53) m,p-Xylene	9.137	106	102601	12.597	ug/L	99
54) o-Xylene	9.542	106	71573	9.125	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	17402	1.997	ug/L	96
63) 1,2,4-Trimethylbenzene	10.915	105	58233	8.376	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	26775	2.571	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	63113	6.116	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Sat Jul 30 01:28:32 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.262	180	7937	1.384 ug/L	98

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

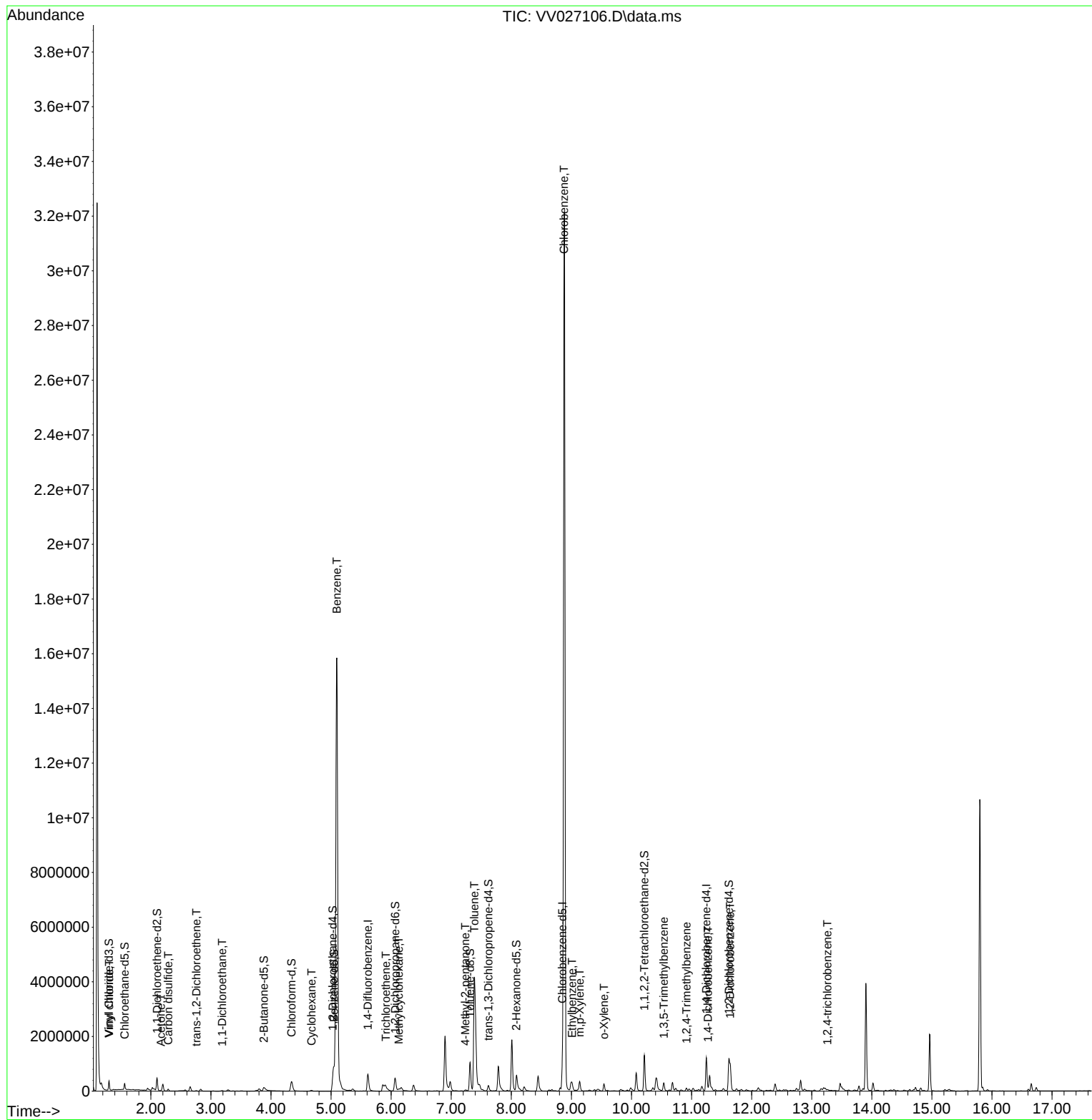
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027106.D
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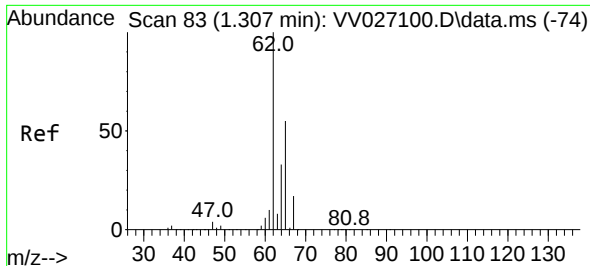
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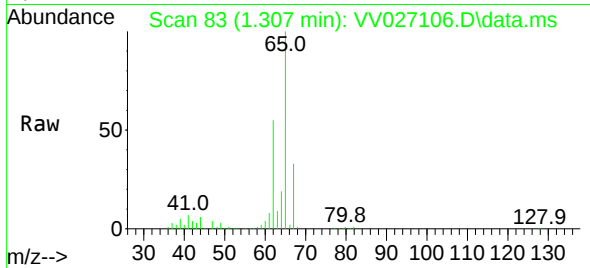
Quant Time: Jul 30 04:29:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
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#5
 Vinyl chloride
 Concen: 11.587 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV027106.D
 Acq: 30 Jul 2022 00:41

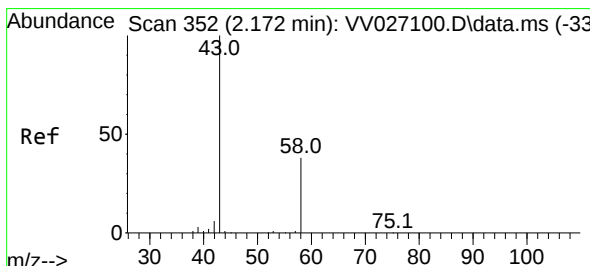
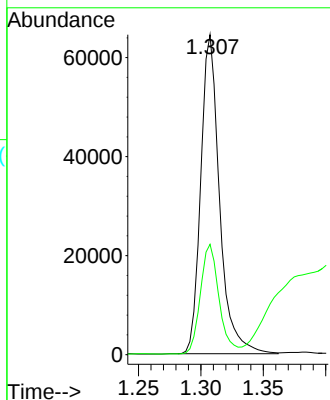
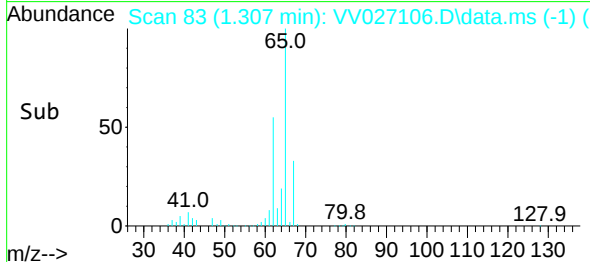
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 EXF02



Tgt Ion: 62 Resp: 67640
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.2 43.2

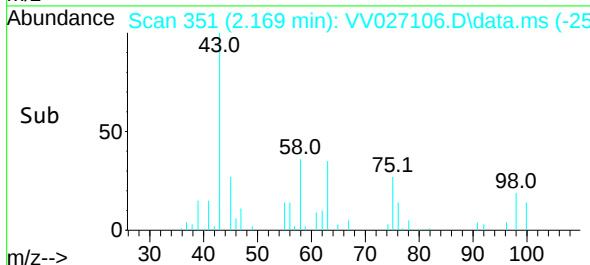
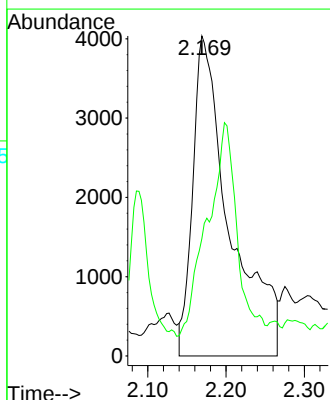
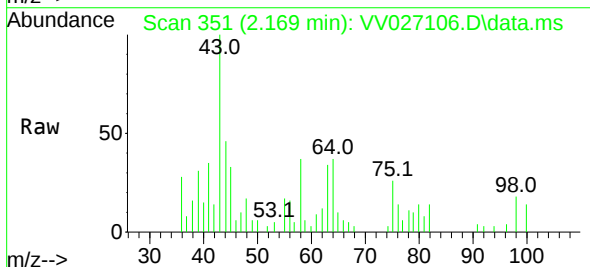
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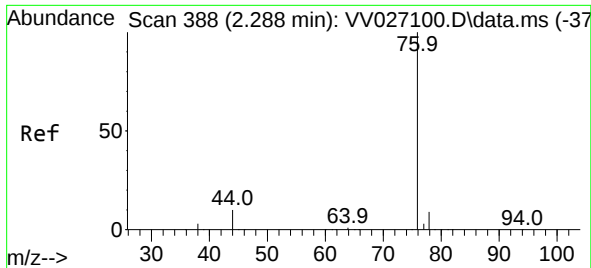
Reviewed By :Krupa Patel 08/01/2022
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#13
 Acetone
 Concen: 5.688 ug/L m
 RT: 2.169 min Scan# 351
 Delta R.T. -0.003 min
 Lab File: VV027106.D
 Acq: 30 Jul 2022 00:41

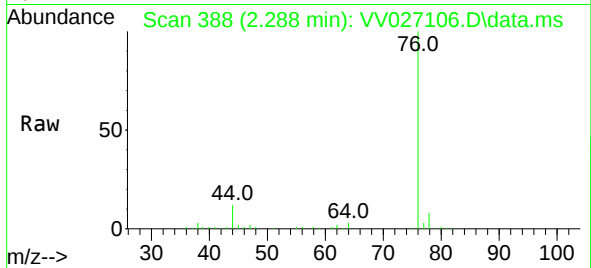
Tgt Ion: 43 Resp: 13254
 Ion Ratio Lower Upper
 43 100
 58 14.2 0.0 49.6





#14
Carbon disulfide
Concen: 5.934 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

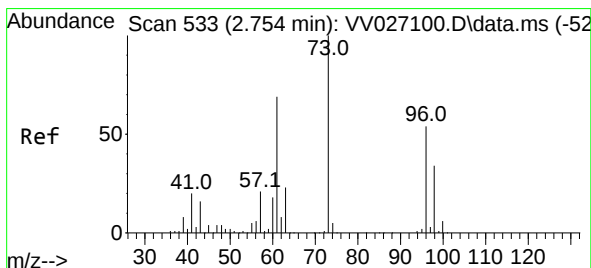
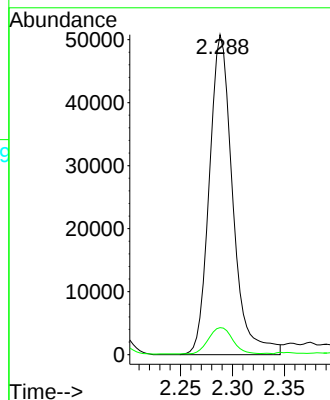
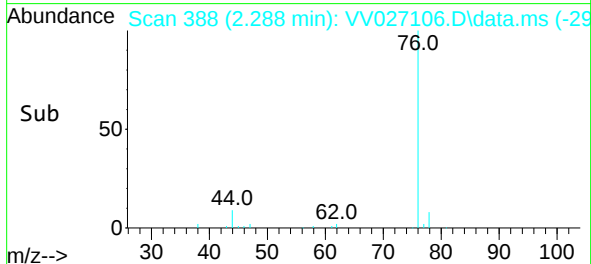
Instrument :
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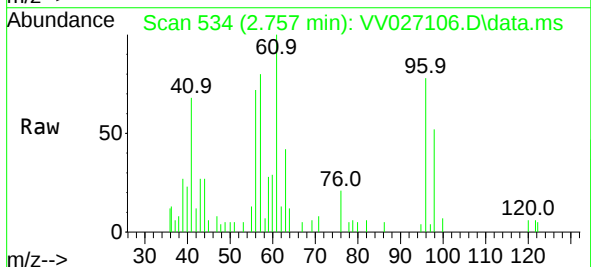
Tgt Ion: 76 Resp: 7953
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9

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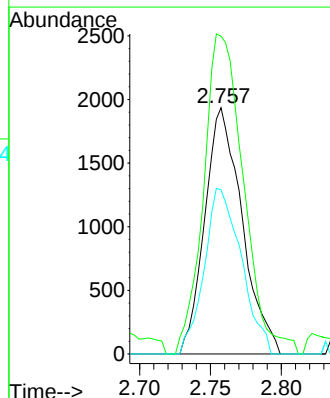
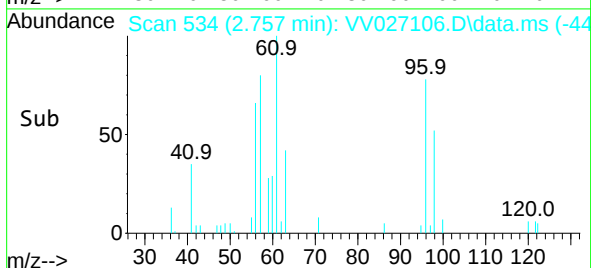
Reviewed By :Krupa Patel 08/01/2022
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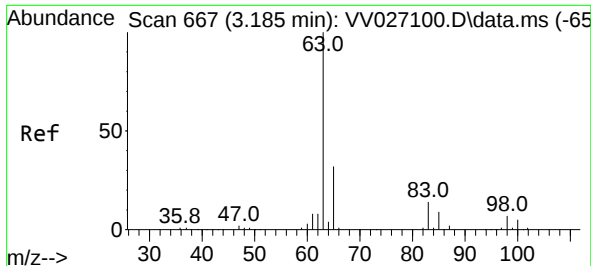


#17
trans-1,2-Dichloroethene
Concen: 0.767 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.003 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41



Tgt Ion: 96 Resp: 3548
Ion Ratio Lower Upper
96 100
61 129.0 89.2 165.6
98 66.7 44.6 82.8





#19

1,1-Dichloroethane

Concen: 2.422 ug/L

RT: 3.185 min Scan# 60

Delta R.T. 0.000 min

Lab File: VV027106.D

Acq: 30 Jul 2022 00:41

Instrument :

MSVOA_V

ClientSampleId :

EXF02

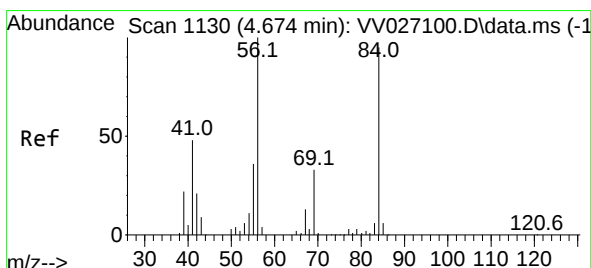
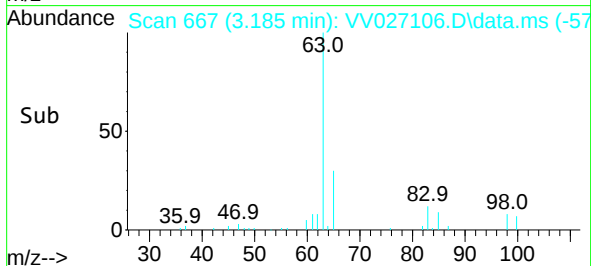
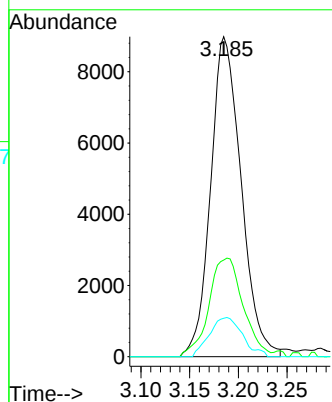
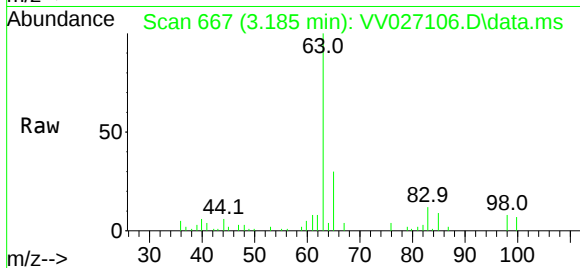
Tgt Ion: 63	Resp: 1956
Ion Ratio	Lower Upper
63 100	
65 30.2	22.7 42.3
83 12.0	9.5 17.7

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#29

Cyclohexane

Concen: 1.974 ug/L

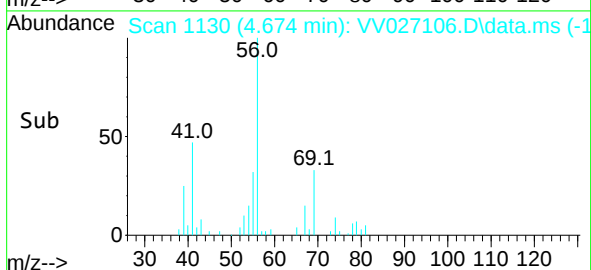
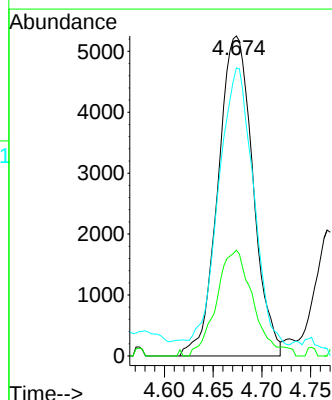
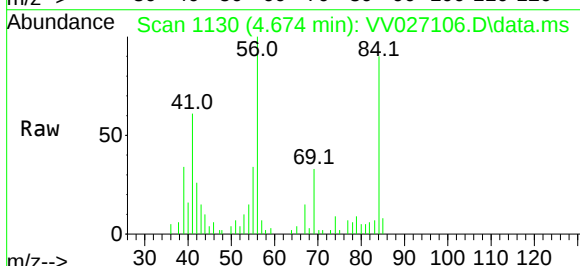
RT: 4.674 min Scan# 1130

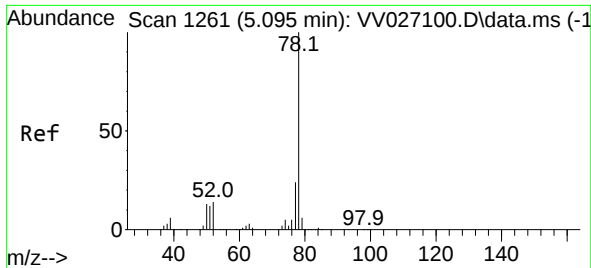
Delta R.T. 0.000 min

Lab File: VV027106.D

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Tgt Ion: 56	Resp: 13057
Ion Ratio	Lower Upper
56 100	
69 33.8	25.9 38.9
84 85.4	75.3 112.9





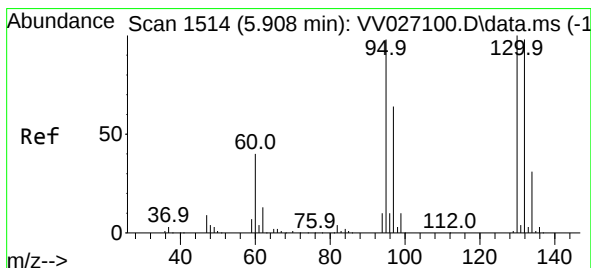
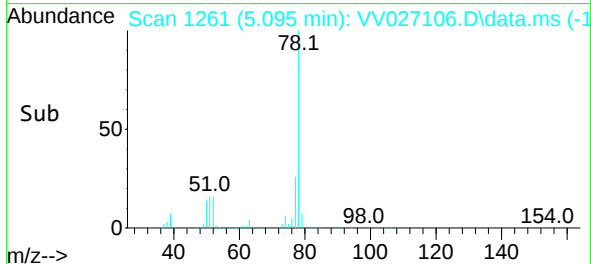
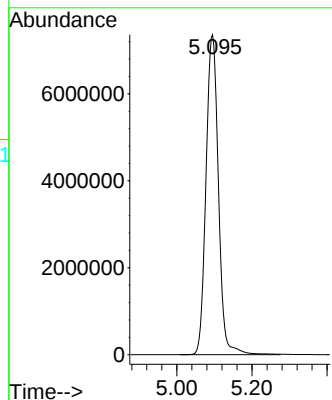
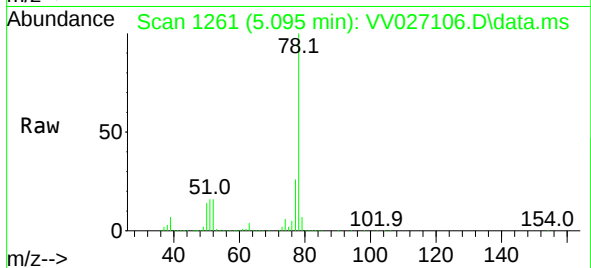
#33
Benzene
Concen: 852.283 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.000 min
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EXF02

Tgt Ion: 78 Resp:16905024

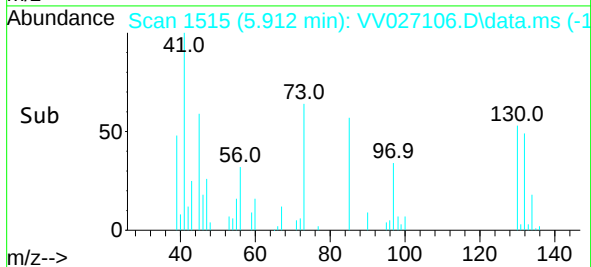
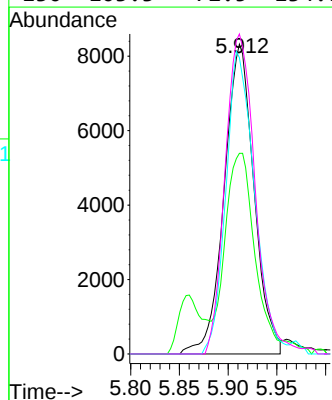
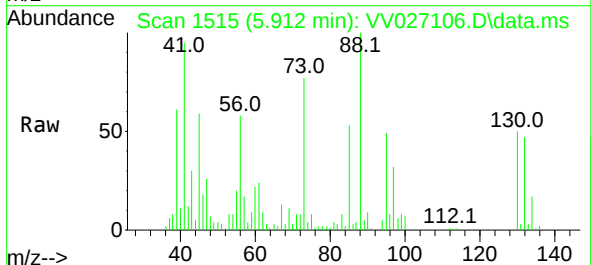
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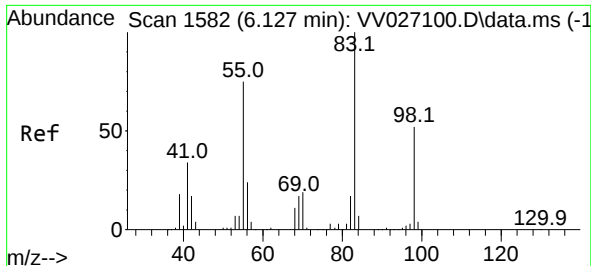
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#34
Trichloroethene
Concen: 3.463 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV027106.D
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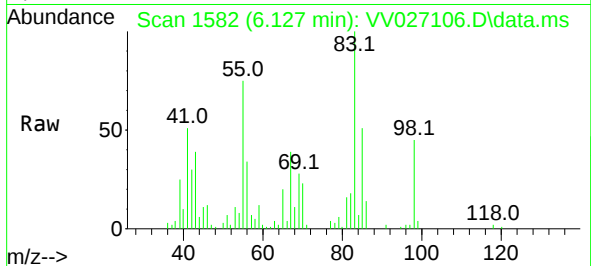
Tgt Ion: 95 Resp: 17678
Ion Ratio Lower Upper
95 100
97 64.8 45.9 85.3
132 95.7 69.8 129.6
130 103.3 72.5 134.7





#35
Methylcyclohexane
Concen: 3.180 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

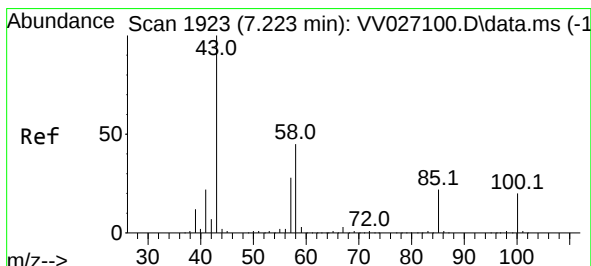
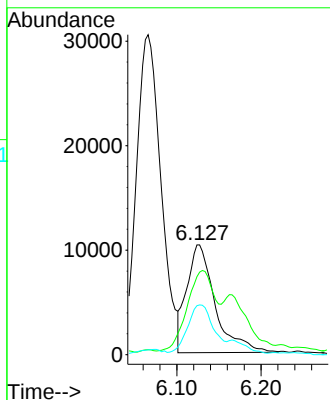
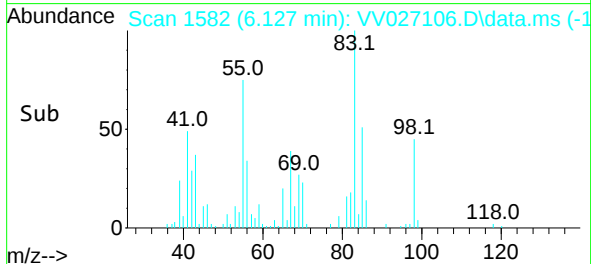
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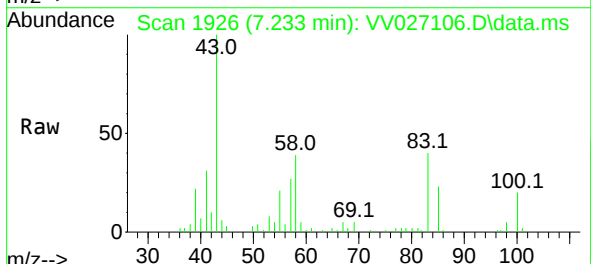
Tgt Ion: 83 Resp: 24220
Ion Ratio Lower Upper
83 100
55 73.5 55.5 83.3
98 39.3 39.0 58.4

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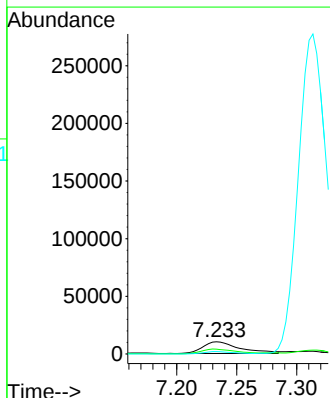
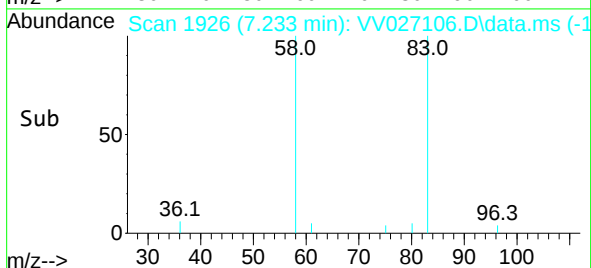
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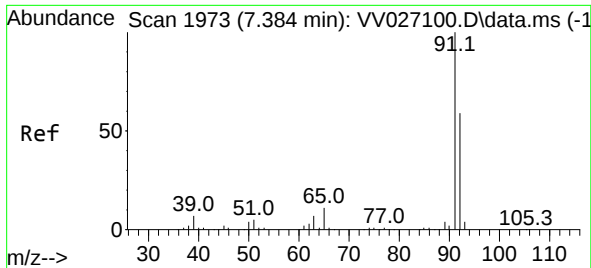


#40
4-Methyl-2-pentanone
Concen: 3.447 ug/L
RT: 7.233 min Scan# 1926
Delta R.T. 0.010 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41



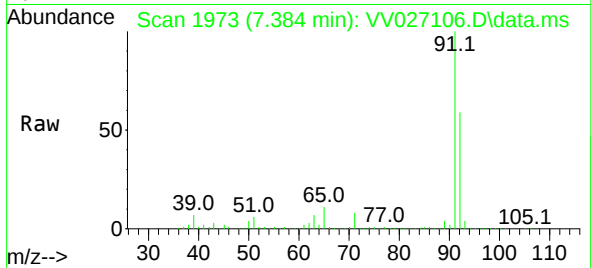
Tgt Ion: 43 Resp: 21646
Ion Ratio Lower Upper
43 100
58 37.9 35.3 52.9
100 17.2 15.7 23.5





#42
Toluene
Concen: 140.412 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

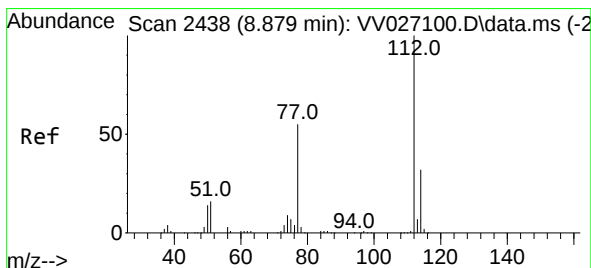
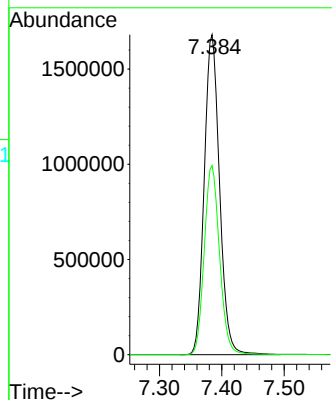
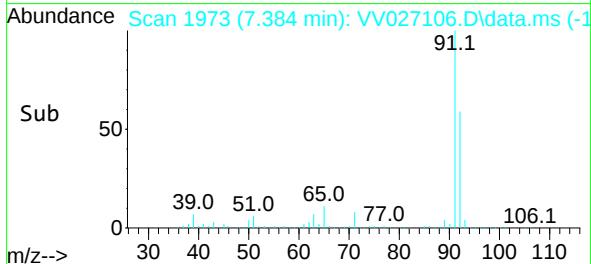
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Tgt Ion: 91 Resp: 287152
Ion Ratio Lower Upper
91 100
92 59.1 40.9 76.0

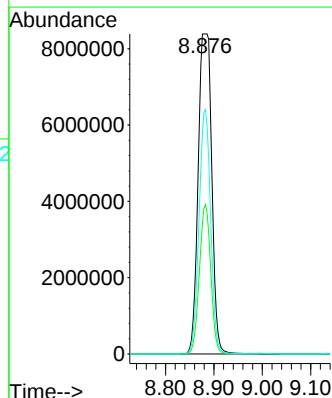
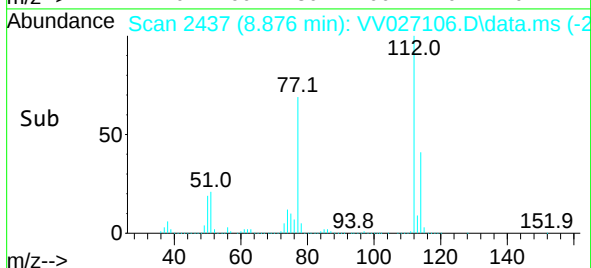
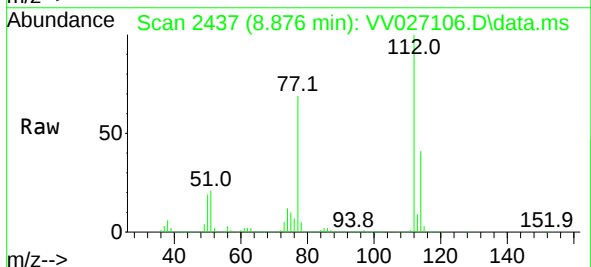
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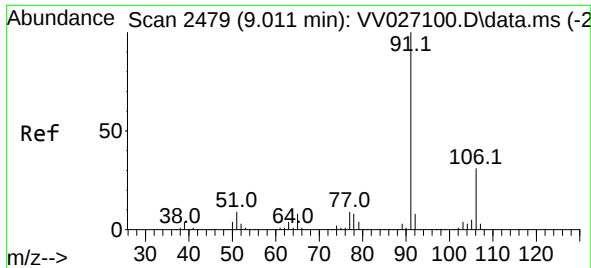
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Supervised By :Mahesh Dadoda 08/02/2022



#51
Chlorobenzene
Concen: 1189.066 ug/L m
RT: 8.876 min Scan# 2437
Delta R.T. -0.003 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

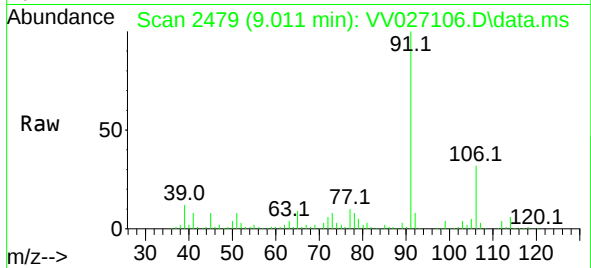
Tgt Ion:112 Resp:16399524
Ion Ratio Lower Upper
112 100
114 40.7 22.8 42.4
77 68.9 44.2 66.2#





#52
Ethylbenzene
Concen: 7.961 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

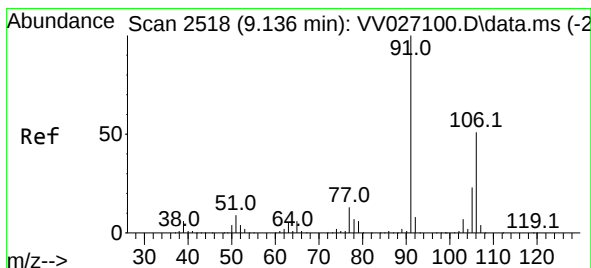
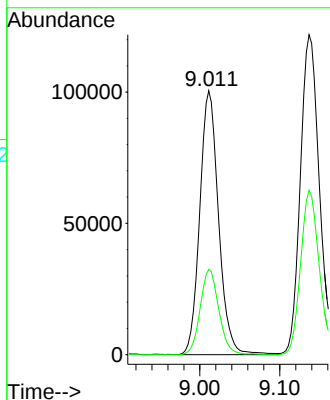
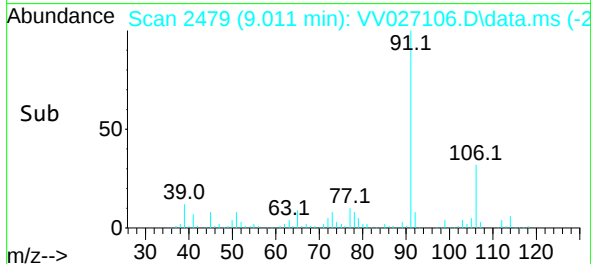
Instrument :
MSVOA_V
ClientSampleId :
EXF02



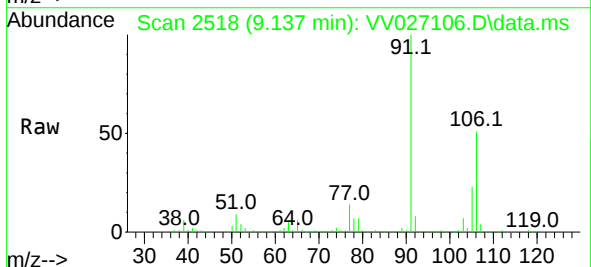
Tgt Ion: 91 Resp: 164849
Ion Ratio Lower Upper
91 100
106 32.4 21.8 40.6

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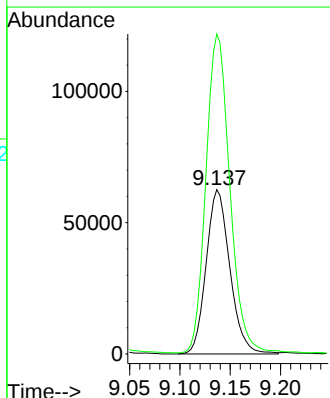
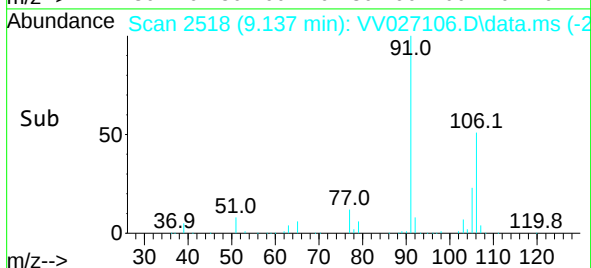
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022

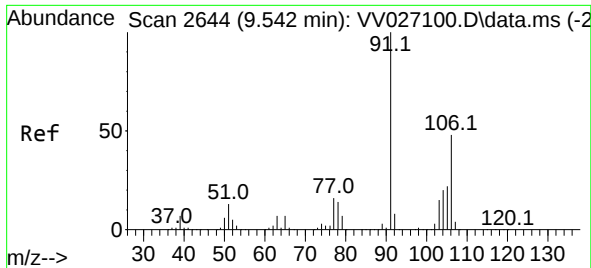


#53
m,p-Xylene
Concen: 12.597 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41



Tgt Ion:106 Resp: 102601
Ion Ratio Lower Upper
106 100
91 194.7 137.5 255.3





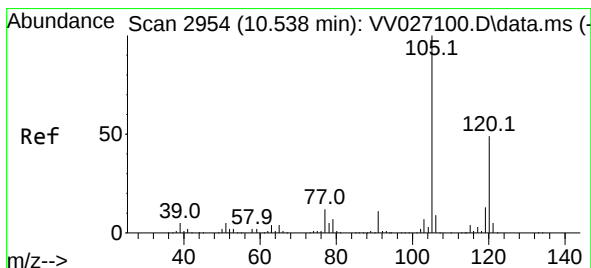
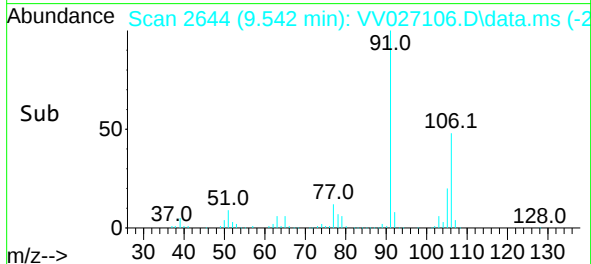
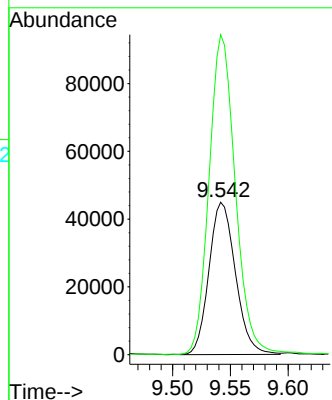
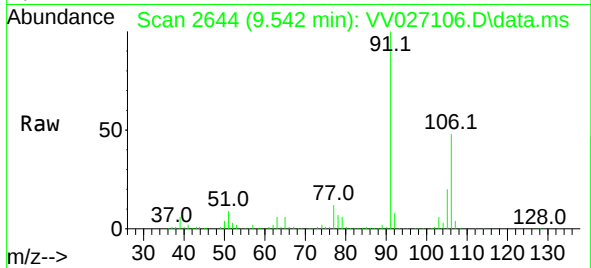
#54
o-Xylene
Concen: 9.125 ug/L
RT: 9.542 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

Instrument :
MSVOA_V
ClientSampleId :
EXF02

Tgt Ion:106 Resp: 7157
Ion Ratio Lower Upper
106 100
91 209.9 146.6 272.2

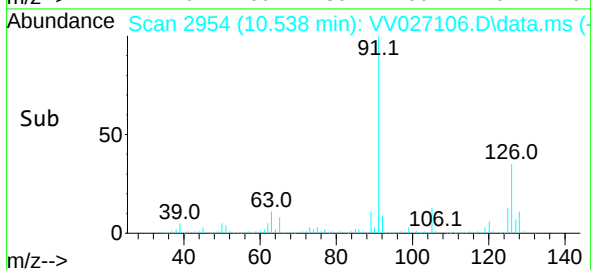
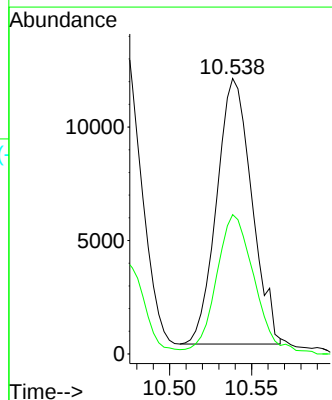
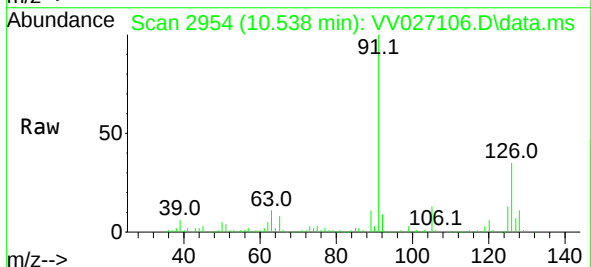
Manual Integrations
APPROVED

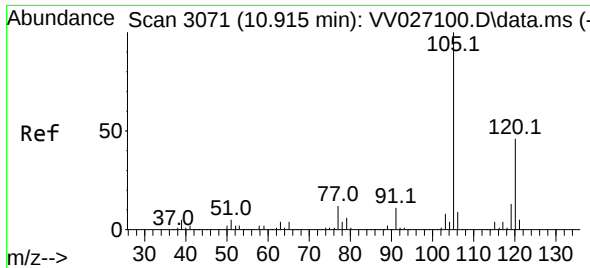
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#62
1,3,5-Trimethylbenzene
Concen: 1.997 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

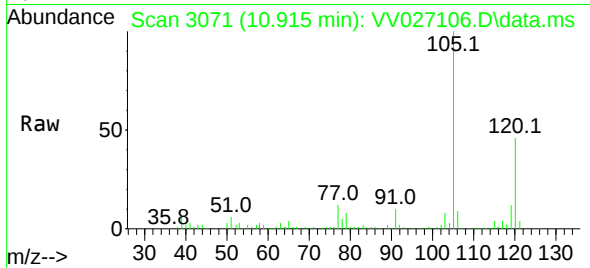
Tgt Ion:105 Resp: 17402
Ion Ratio Lower Upper
105 100
120 51.5 39.3 58.9





#63
1,2,4-Trimethylbenzene
Concen: 8.376 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

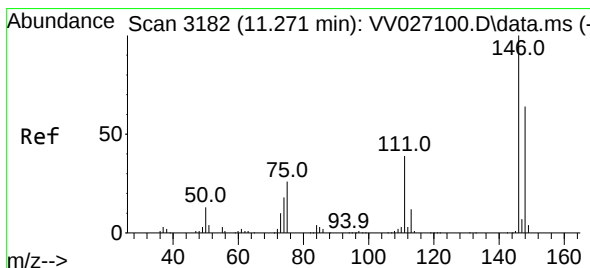
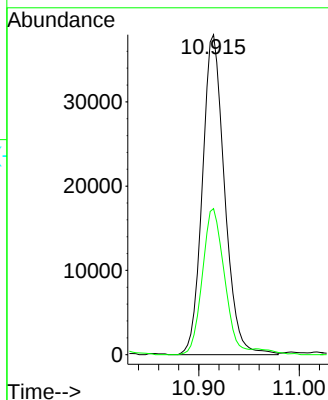
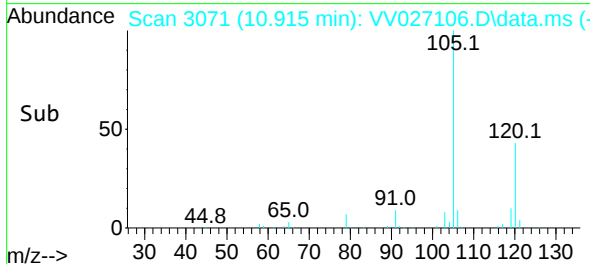
Instrument :
MSVOA_V
ClientSampleId :
EXF02



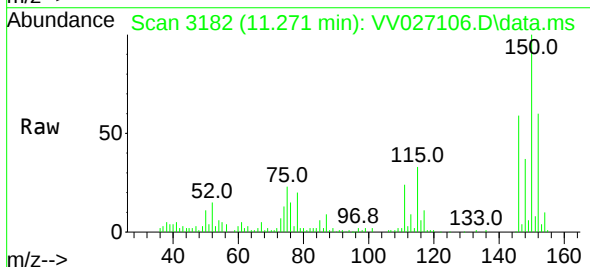
Tgt Ion:105 Resp: 5823
Ion Ratio Lower Upper
105 100
120 45.3 37.0 55.6

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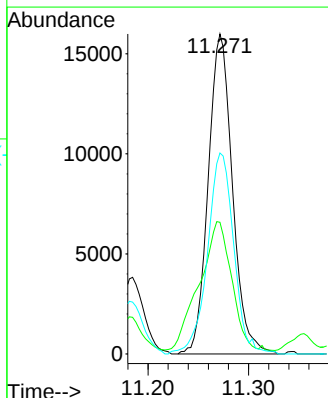
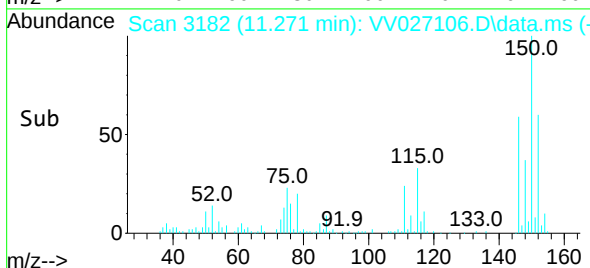
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022

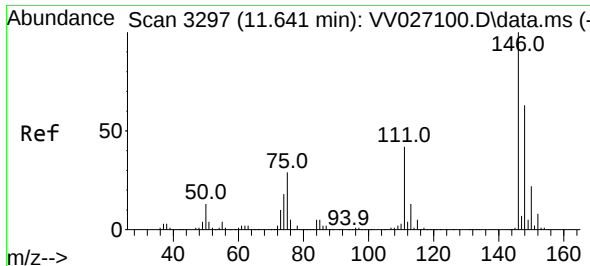


#65
1,4-Dichlorobenzene
Concen: 2.571 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41



Tgt Ion:146 Resp: 26775
Ion Ratio Lower Upper
146 100
111 41.2 27.4 51.0
148 62.8 44.6 82.8





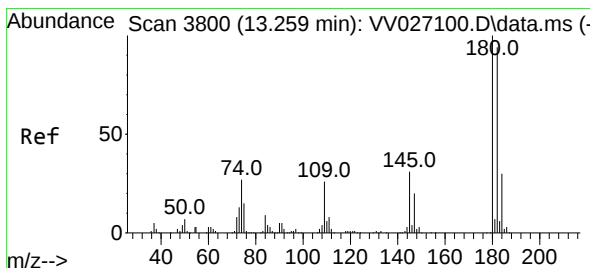
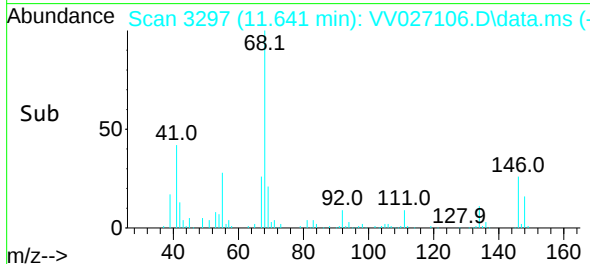
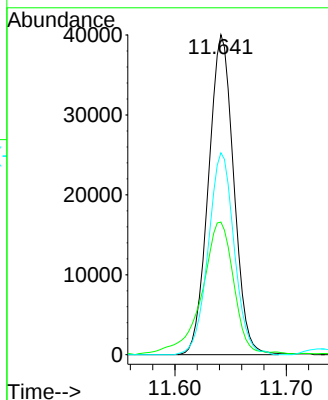
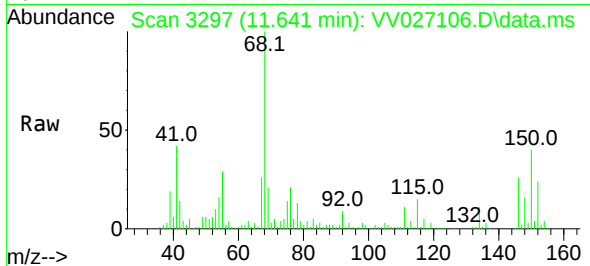
#67
1,2-Dichlorobenzene
Concen: 6.116 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

Instrument :
MSVOA_V
ClientSampleId :
EXF02

Tgt Ion:146 Resp: 6311
Ion Ratio Lower Upper
146 100
111 41.4 34.0 51.0
148 63.1 50.5 75.7

Manual Integrations
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Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#70
1,2,4-trichlorobenzene
Concen: 1.384 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.003 min
Lab File: VV027106.D
Acq: 30 Jul 2022 00:41

Tgt Ion:180 Resp: 7937
Ion Ratio Lower Upper
180 100
182 94.9 75.9 113.9
145 36.1 24.7 37.1

