

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041122\
 Data File : VL038877.D
 Acq On : 11 Apr 2022 19:40
 Operator : SY/AP
 Sample : N2332-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Quant Time: Apr 12 02:52:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2022
 Supervised By : Mahesh Dadoda 04/14/2022

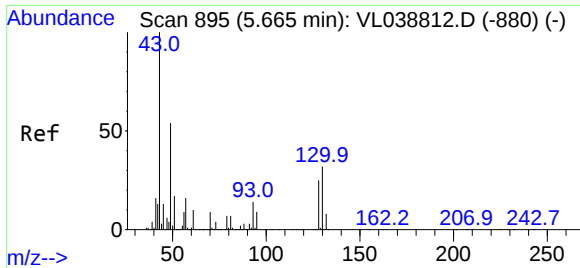
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							04/13/2022 Supervised By : Mahesh Dadoda
1) Bromochloromethane	5.674	49	1132324	10.000	ppbv	0.00	
33) 1,4-Difluorobenzene	7.176	114	3307213	10.000	ppbv	0.00	
55) Chlorobenzene-d5	12.076	117	3012634	10.000	ppbv	0.00	
System Monitoring Compounds							04/14/2022
68) 1-Bromo-4-Fluorobenzene	14.407	95	2352586	10.295	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.050	85	96890	0.603	ppbv	99	
3) Chlorodifluoromethane	2.989	51	50642	0.366	ppbv	95	
4) Chloromethane	3.140	50	48950	0.684	ppbv #	77	
9) Propene	3.018	41	237030	3.242	ppbv #	75	
10) Heptane	8.124	43	9054973	49.168	ppbv	95	
11) Trichlorofluoromethane	3.944	101	32530m	0.252	ppbv		
13) Ethanol	3.613	45	308132	69.349	ppbv #	100	
15) Acetone	3.848	43	25145641	223.055	ppbv #	69	
20) Methylene Chloride	4.343	84	67057m	1.640	ppbv		
25) Ethyl Acetate	5.671	43	12805186	44.766	ppbv #	84	
30) Cyclohexane	7.127	84	48479	0.422	ppbv #	1	
34) 2-Butanone	5.250	43	285130	2.182	ppbv	92	
35) Carbon Tetrachloride	7.015	117	10393m	0.052	ppbv		
36) Benzene	6.890	78	145188	0.483	ppbv	96	
38) Trichloroethene	7.841	130	7916m	0.064	ppbv		
44) 2,2,4-Trimethylpentane	7.861	57	286602m	0.563	ppbv		
52) Tetrachloroethene	11.221	164	65990m	0.628	ppbv		
53) Toluene	9.819	91	25627079	73.787	ppbv #	77	
58) Ethyl Benzene	12.703	91	251022	0.558	ppbv	94	
59) m/p-Xylene	12.957	91	644380	1.704	ppbv	98	
60) o-Xylene	13.677	91	220171	0.622	ppbv	98	
61) Styrene	13.516	104	23157m	0.107	ppbv		
72) 4-Ethyltoluene	15.828	105	57103	0.135	ppbv #	91	
73) 1,3,5-Trimethylbenzene	15.979	105	52890m	0.139	ppbv		
74) 1,2,4-Trimethylbenzene	16.751	105	189726	0.473	ppbv #	66	
79) Naphthalene	22.178	128	29164m	0.097	ppbv		

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

Manual Integrations

Quant Time: Apr 12 02:52:05 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr
QLast Update : Wed Apr 06 06:12:53 2022
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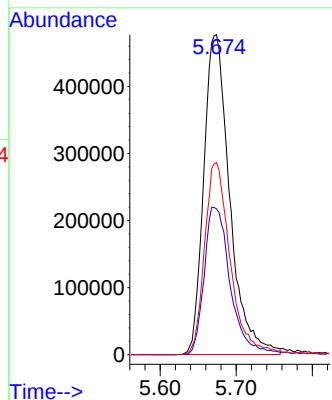
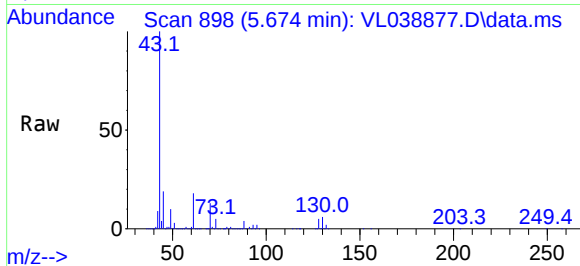
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 895
Delta R.T. 0.010 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 49 Resp: 1132324
Ion Ratio Lower Upper
49 100
128 46.8 24.1 72.3
130 60.1 30.9 92.8

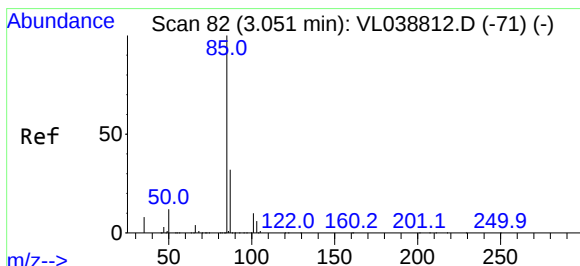
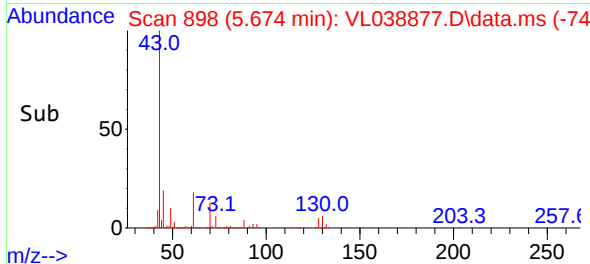
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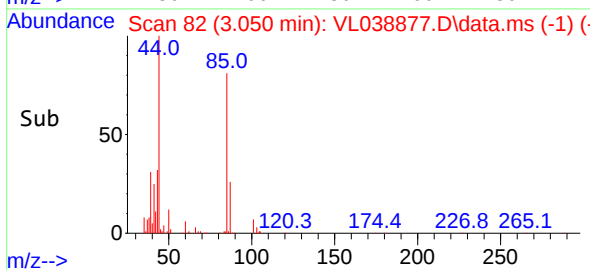
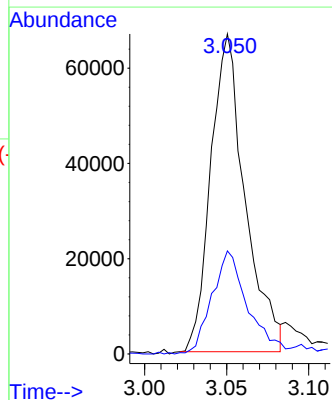
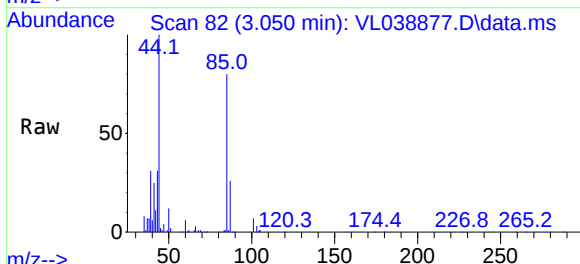
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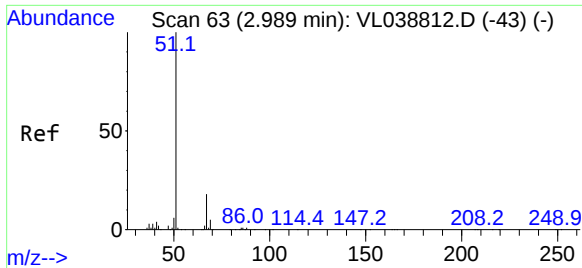
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#2
Dichlorodifluoromethane
Concen: 0.603 ppbv
RT: 3.050 min Scan# 82
Delta R.T. -0.000 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

Tgt Ion: 85 Resp: 96890
Ion Ratio Lower Upper
85 100
87 32.0 25.9 38.9





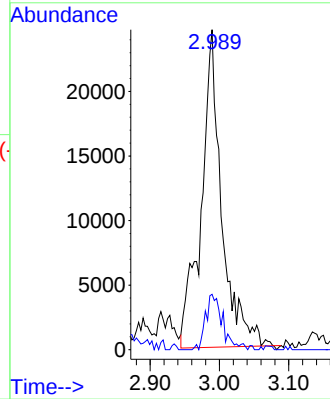
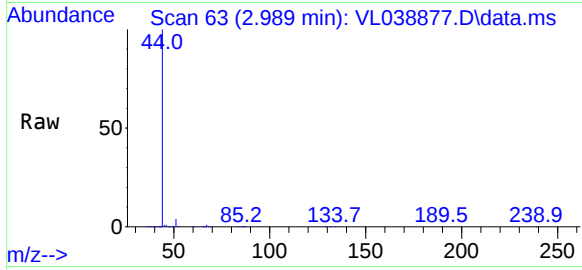
#3
Chlorodifluoromethane
Concen: 0.366 ppbv
RT: 2.989 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 51 Resp: 5064
Ion Ratio Lower Upper
51 100
67 14.7 13.4 20.0

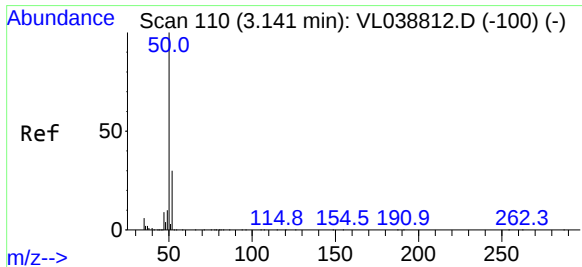
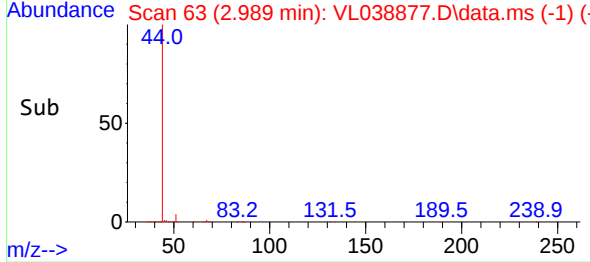
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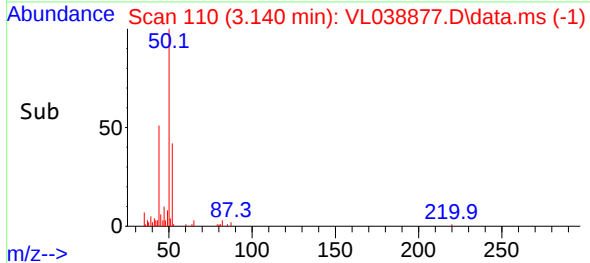
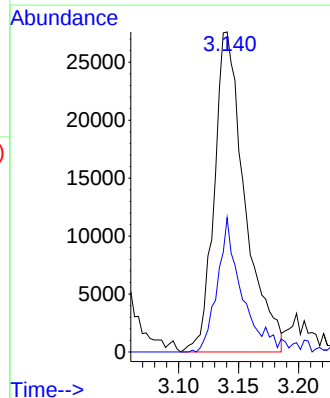
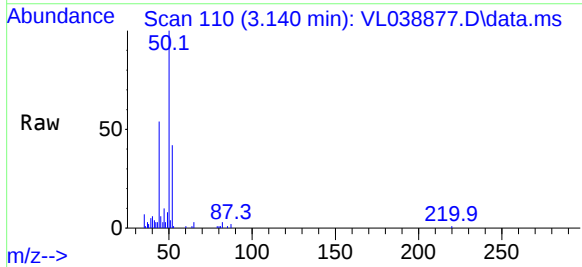
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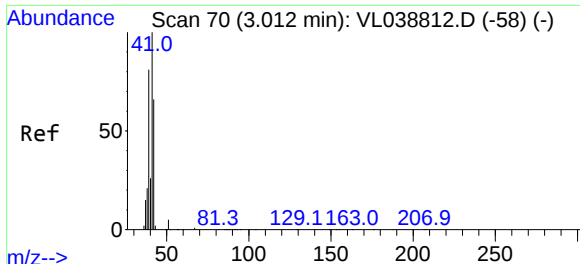
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#4
Chloromethane
Concen: 0.684 ppbv
RT: 3.140 min Scan# 110
Delta R.T. -0.000 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

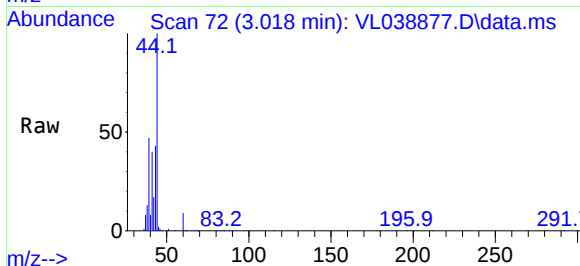
Tgt Ion: 50 Resp: 48950
Ion Ratio Lower Upper
50 100
52 42.7 24.3 36.5





#9
Propene
Concen: 3.242 ppbv
RT: 3.018 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

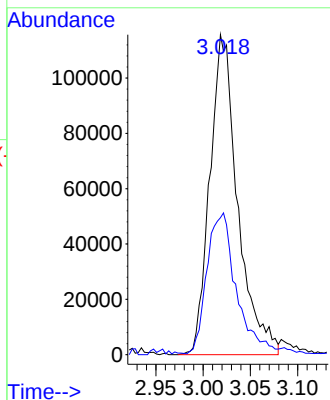
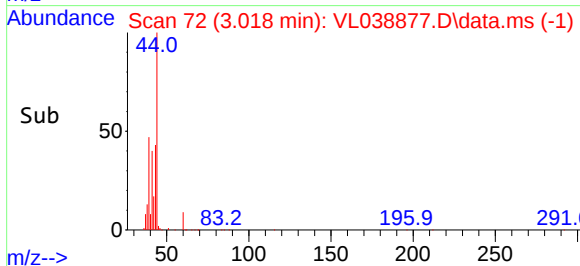
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 41 Resp: 237030
Ion Ratio Lower Upper
41 100
42 47.3 54.2 81.4

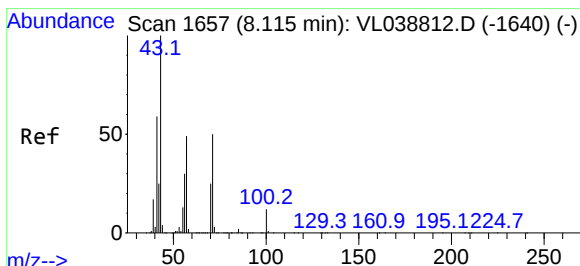
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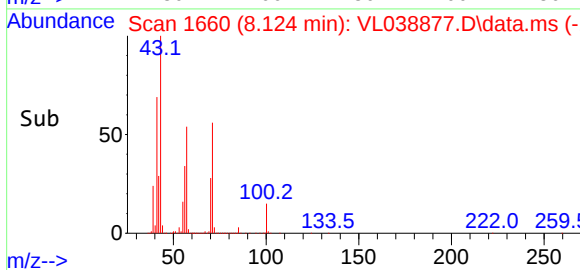
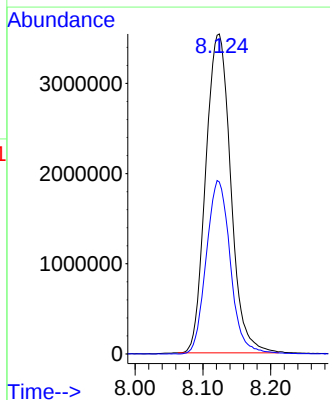
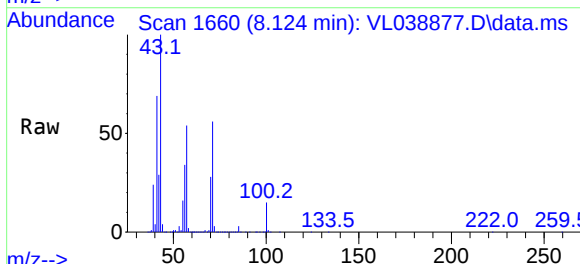
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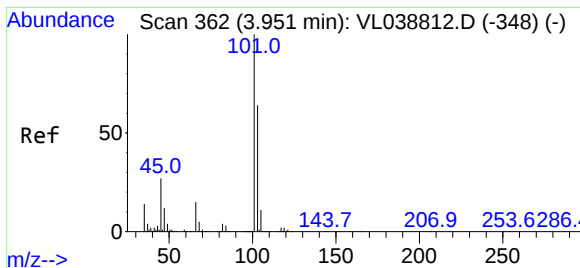
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#10
Heptane
Concen: 49.168 ppbv
RT: 8.124 min Scan# 1660
Delta R.T. 0.010 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

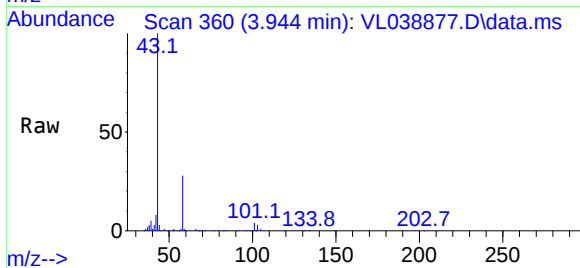
Tgt Ion: 43 Resp: 9054973
Ion Ratio Lower Upper
43 100
57 52.6 39.3 58.9





#11
Trichlorofluoromethane
Concen: 0.252 ppbv m
RT: 3.944 min Scan# 30
Delta R.T. -0.007 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

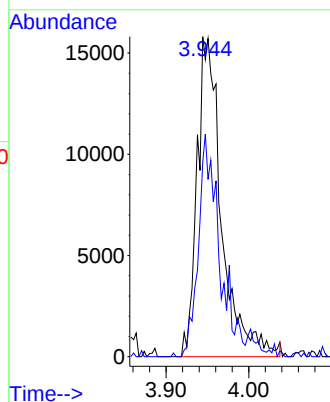
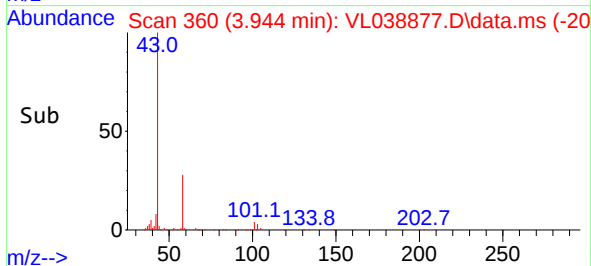
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion:101 Resp: 32530
Ion Ratio Lower Upper
101 100
103 60.9 51.4 77.0

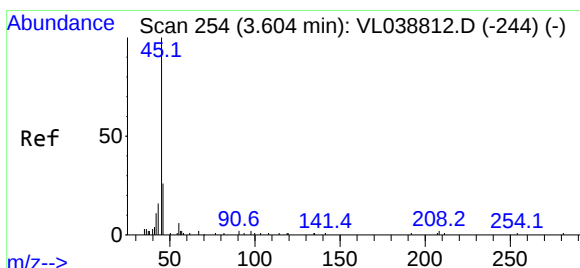
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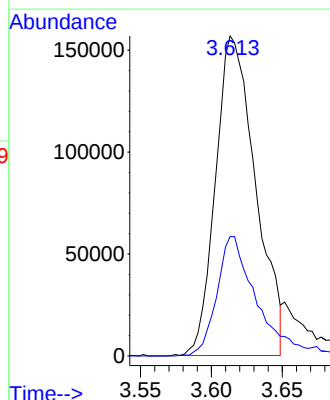
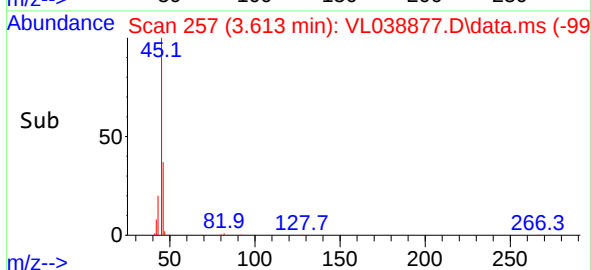
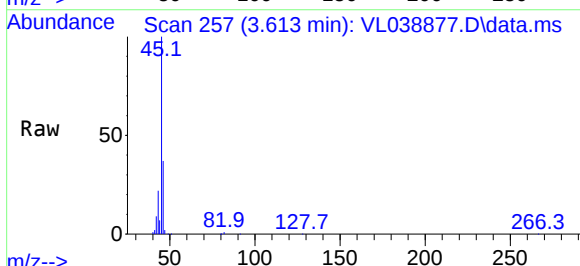
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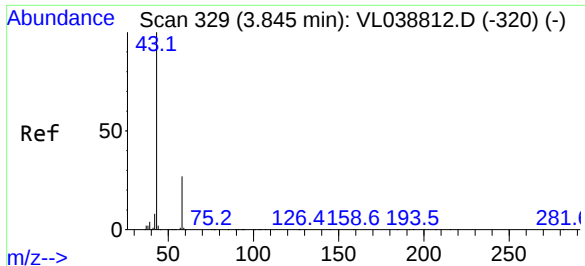
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#13
Ethanol
Concen: 69.349 ppbv
RT: 3.613 min Scan# 257
Delta R.T. 0.010 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

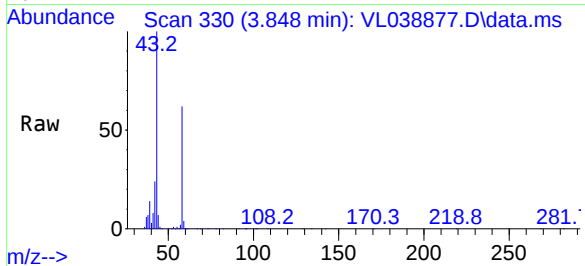
Tgt Ion: 45 Resp: 308132
Ion Ratio Lower Upper
45 100
46 39.0 0.0 0.0#





#15
Acetone
Concen: 223.055 ppbv
RT: 3.848 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

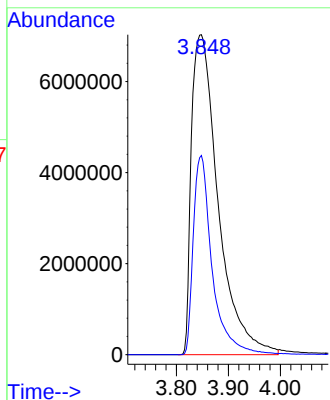
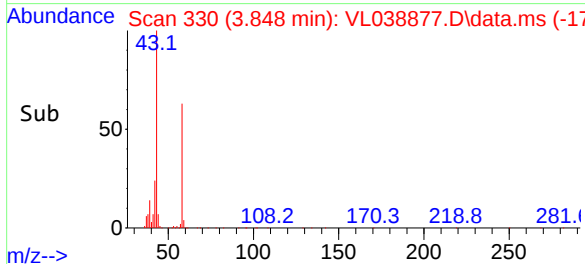
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 43 Resp: 2514564
Ion Ratio Lower Upper
43 100
58 44.3 22.5 33.7

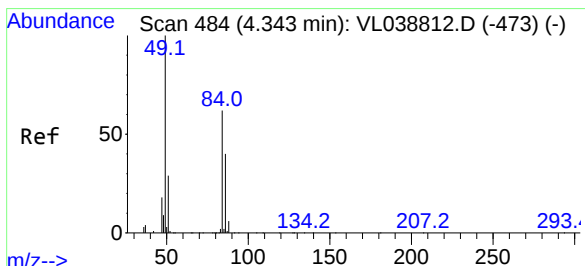
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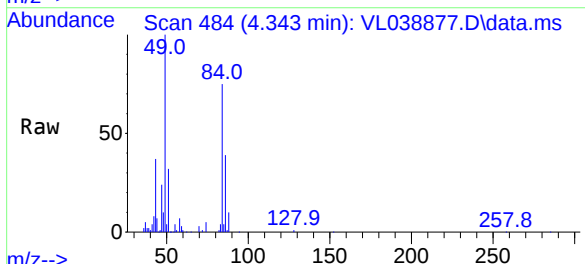


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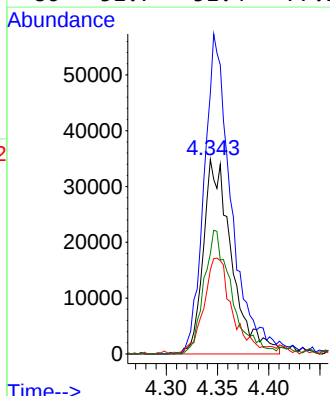
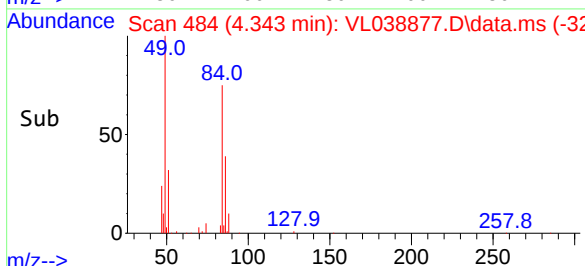
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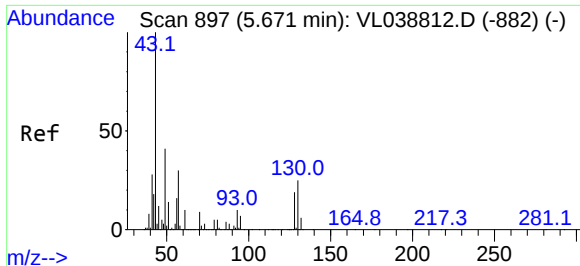


#20
Methylene Chloride
Concen: 1.640 ppbv m
RT: 4.343 min Scan# 484
Delta R.T. -0.000 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40



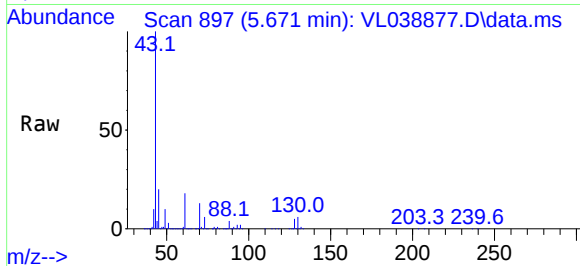
Tgt Ion: 84 Resp: 67057
Ion Ratio Lower Upper
84 100
49 134.1 129.4 194.0
51 43.4 37.4 56.2
86 51.7 51.4 77.2





#25
Ethyl Acetate
Concen: 44.766 ppbv
RT: 5.671 min Scan# 897
Delta R.T. -0.000 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

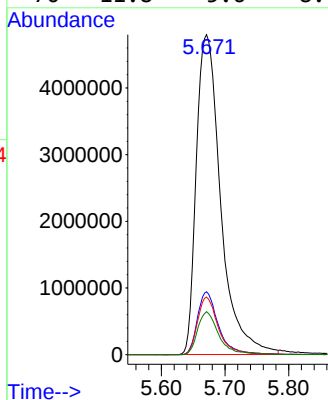
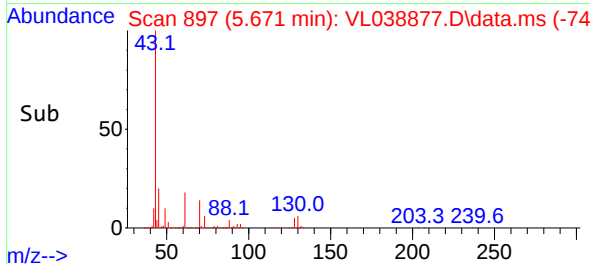
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 43 Resp:12805186
Ion Ratio Lower Upper
43 100
45 17.2 8.4 12.6
61 15.8 7.9 11.9
70 11.8 5.6 8.4

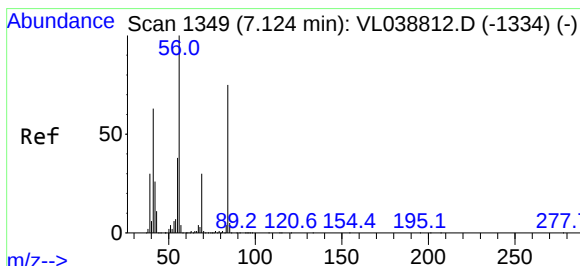
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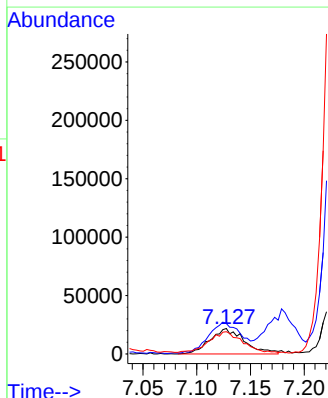
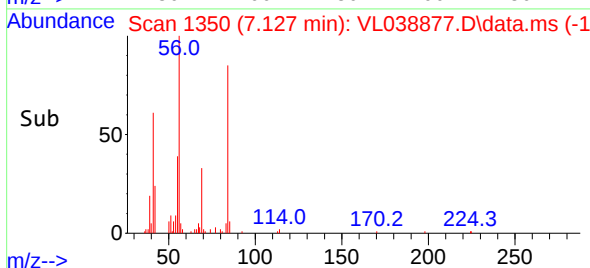
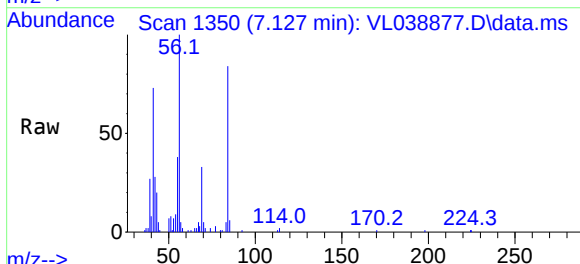
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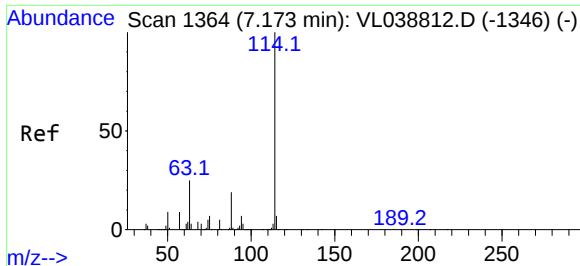
04/14/2022



#30
Cyclohexane
Concen: 0.422 ppbv
RT: 7.127 min Scan# 1350
Delta R.T. 0.003 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

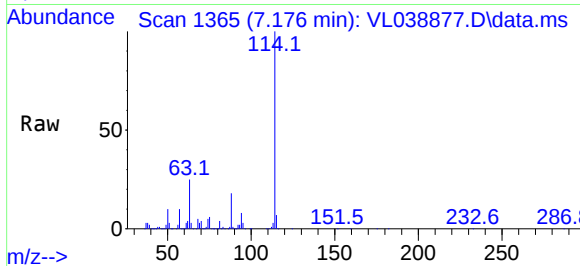
Tgt Ion: 84 Resp: 48479
Ion Ratio Lower Upper
84 100
56 0.0 114.4 171.6#
41 449.5 69.0 103.4#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

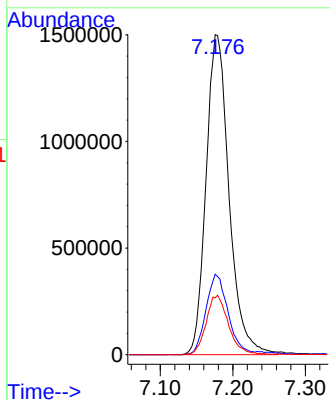
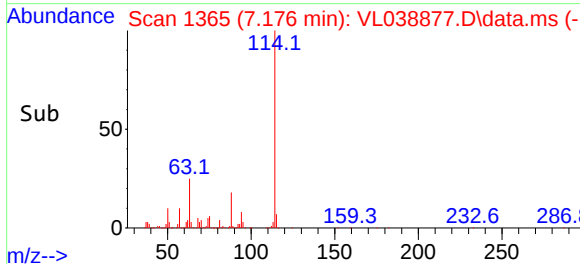
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion:114 Resp: 330721
Ion Ratio Lower Upper
114 100
63 25.0 19.8 29.8
88 18.2 14.2 21.4

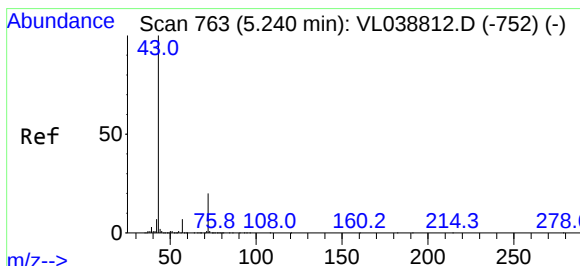
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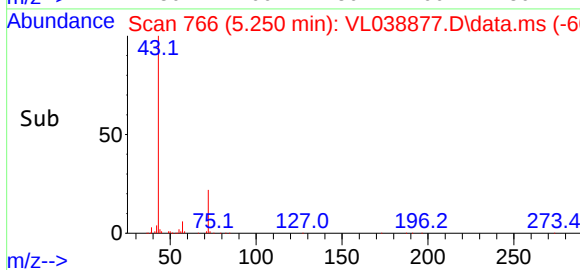
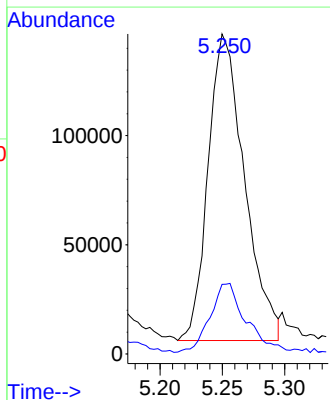
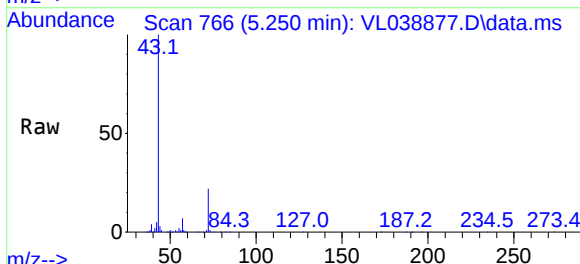
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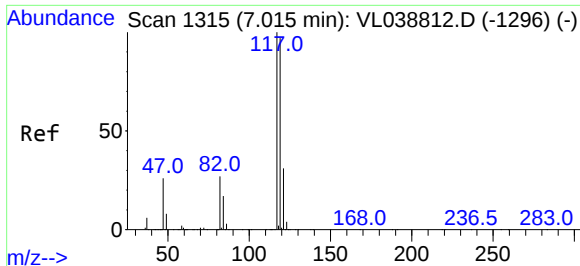
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#34
2-Butanone
Concen: 2.182 ppbv
RT: 5.250 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

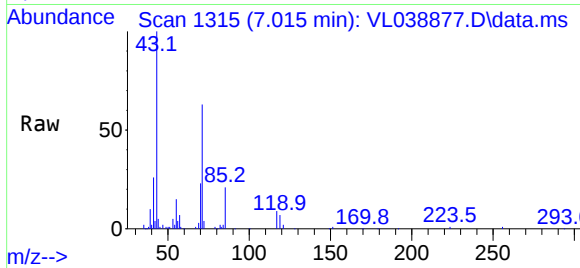
Tgt Ion: 43 Resp: 285130
Ion Ratio Lower Upper
43 100
72 24.7 16.9 25.3





#35
Carbon Tetrachloride
Concen: 0.052 ppbv m
RT: 7.015 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

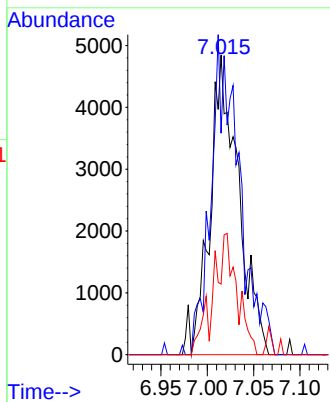
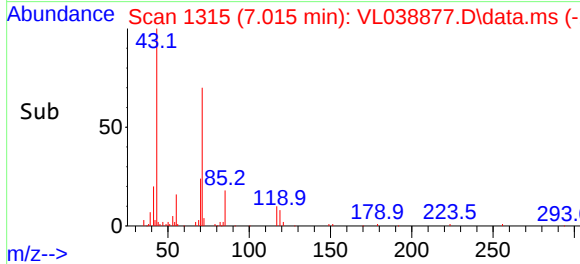
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 117 Resp: 1039
Ion Ratio Lower Upper
117 100
119 73.9 77.7 116.5
121 23.6 24.5 36.7

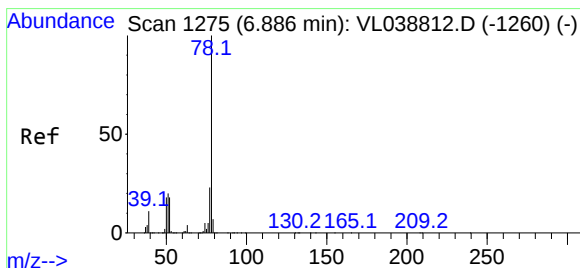
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

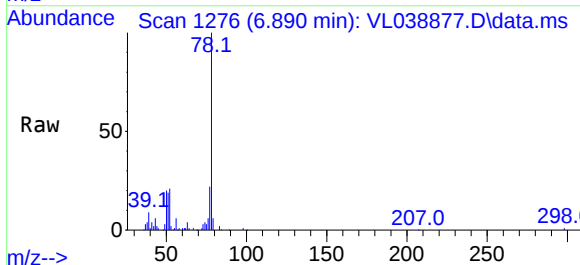


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Dadoda

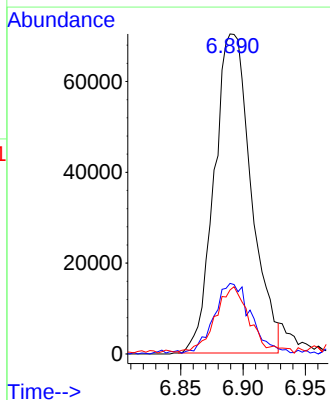
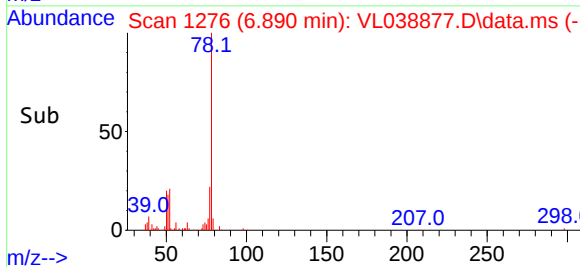
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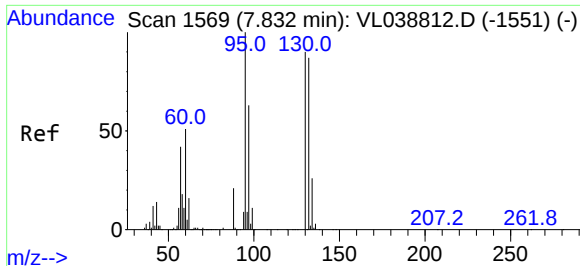


#36
Benzene
Concen: 0.483 ppbv
RT: 6.890 min Scan# 1276
Delta R.T. 0.003 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40



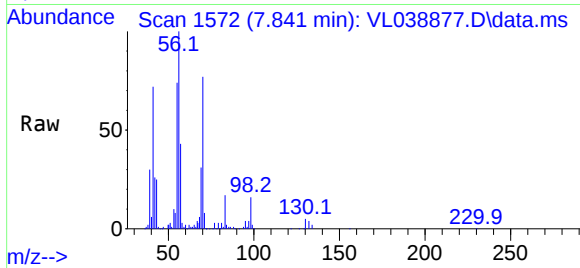
Tgt Ion: 78 Resp: 145188
Ion Ratio Lower Upper
78 100
77 21.1 18.2 27.2
50 19.4 14.0 21.0





#38
Trichloroethene
Concen: 0.064 ppbv m
RT: 7.841 min Scan# 1570
Delta R.T. 0.010 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

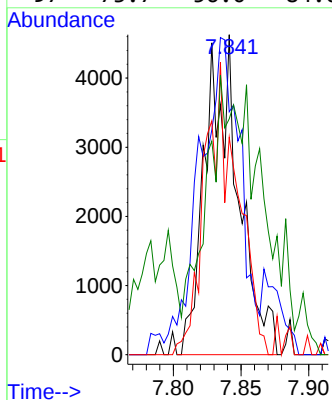
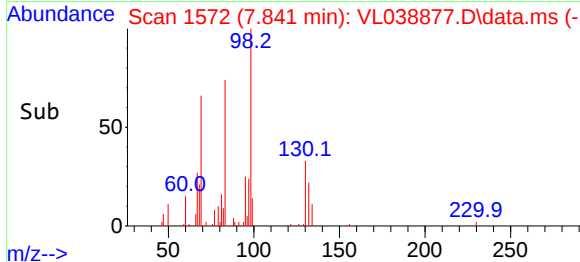
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion:130 Resp: 7910
Ion Ratio Lower Upper
130 100
95 75.9 89.4 134.0#
132 68.0 77.7 116.5#
97 73.7 56.0 84.0#

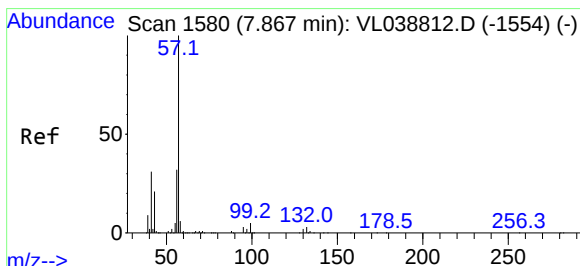
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

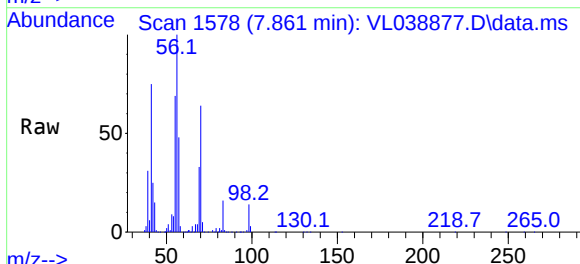


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Dadoda

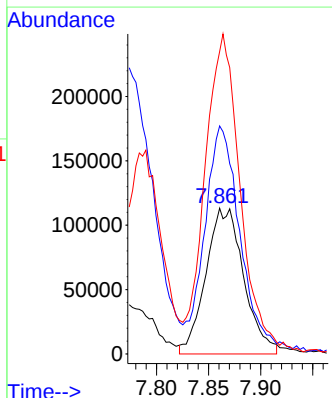
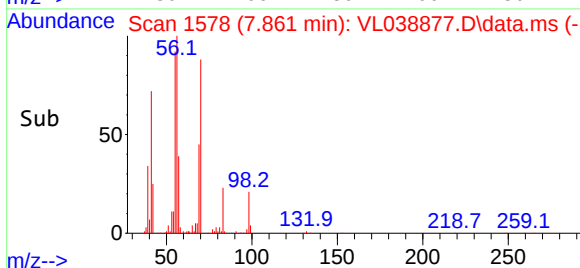
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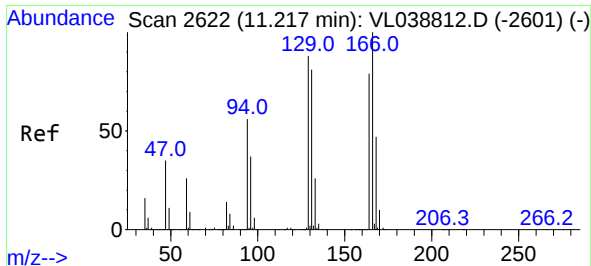


#44
2,2,4-Trimethylpentane
Concen: 0.563 ppbv m
RT: 7.861 min Scan# 1578
Delta R.T. -0.007 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40



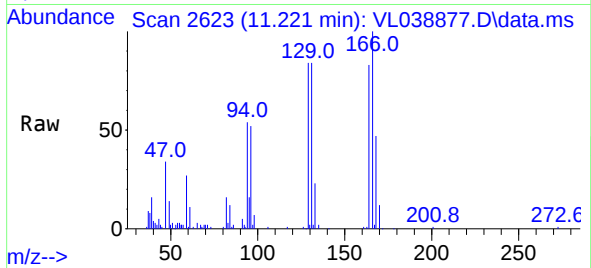
Tgt Ion: 57 Resp: 286602
Ion Ratio Lower Upper
57 100
41 0.0 25.0 37.4#
56 0.0 25.3 37.9#





#52
Tetrachloroethene
Concen: 0.628 ppbv m
RT: 11.221 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

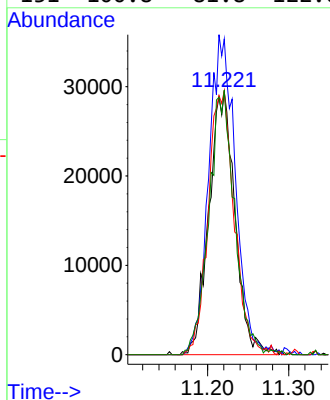
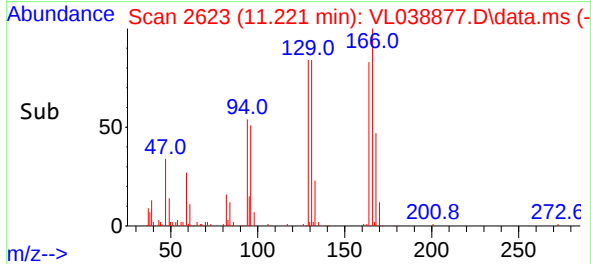
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion:164 Resp: 65990
Ion Ratio Lower Upper
164 100
166 120.3 101.0 151.6
129 100.5 88.7 133.1
131 100.8 81.8 122.6

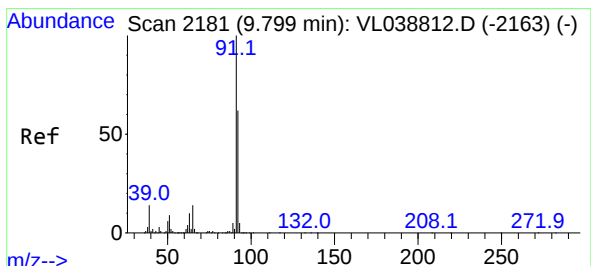
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Supervised By :Mahesh Dadoda 04/14/2022

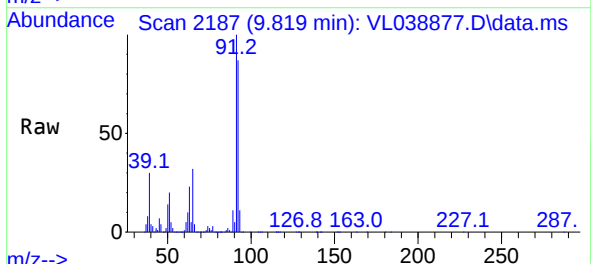


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Dadoda

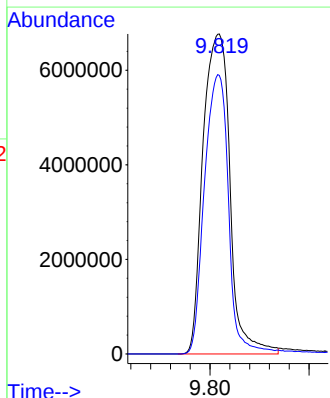
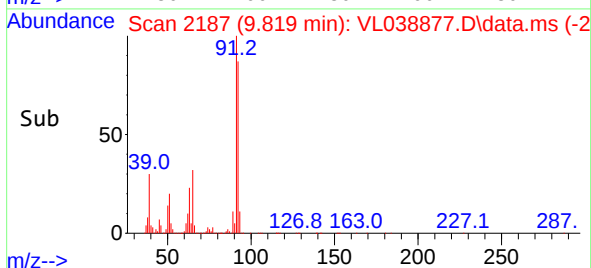
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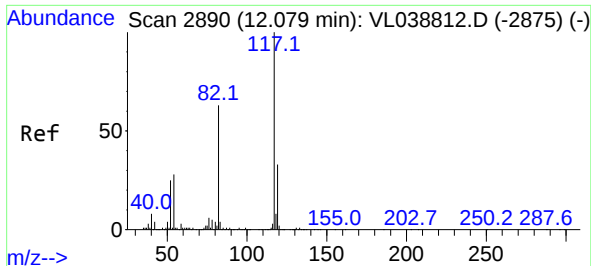


#53
Toluene
Concen: 73.787 ppbv
RT: 9.819 min Scan# 2187
Delta R.T. 0.019 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40



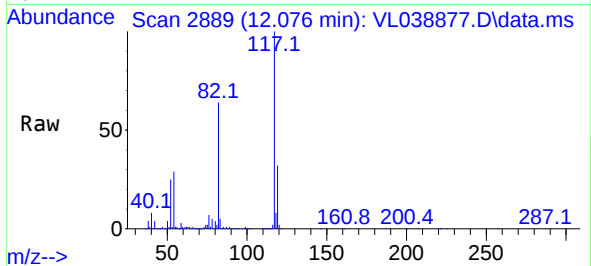
Tgt Ion: 91 Resp:25627079
Ion Ratio Lower Upper
91 100
92 79.1 49.2 73.8#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

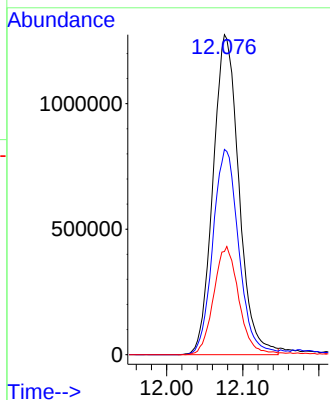
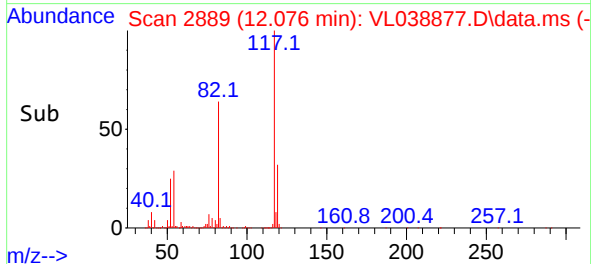
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion:117 Resp: 3012634
Ion Ratio Lower Upper
117 100
82 64.8 53.0 79.6
119 33.5 24.9 37.3

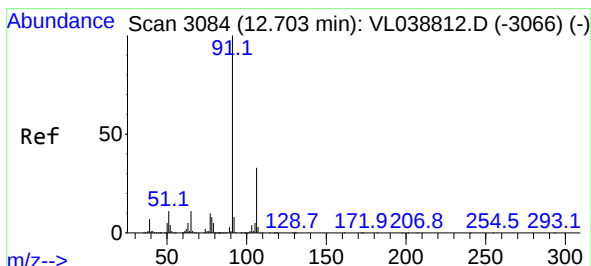
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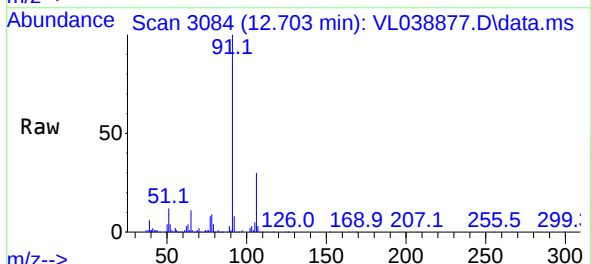


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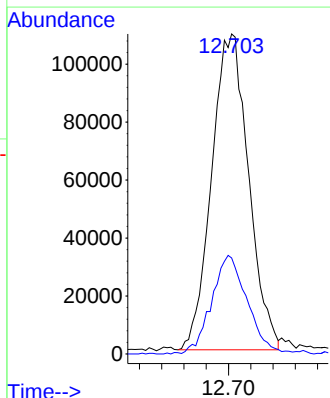
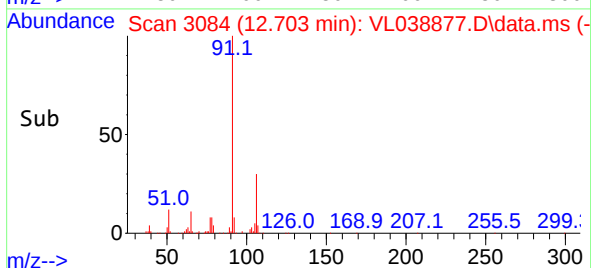
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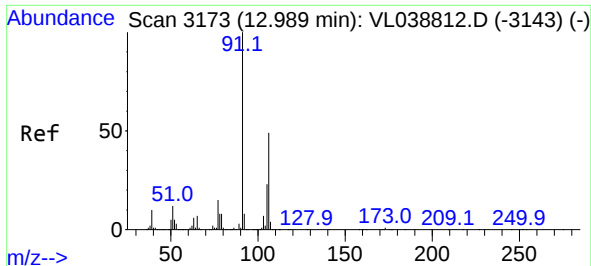


#58
Ethyl Benzene
Concen: 0.558 ppbv
RT: 12.703 min Scan# 3084
Delta R.T. -0.000 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40



Tgt Ion: 91 Resp: 251022
Ion Ratio Lower Upper
91 100
106 30.0 26.7 40.1





#59

m/p-Xylene

Concen: 1.704 ppbv

RT: 12.957 min Scan# 31

Delta R.T. -0.032 min

Lab File: VL038877.D

Acq: 11 Apr 2022 19:40

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion: 91 Resp: 644380

Ion Ratio Lower Upper

91 100

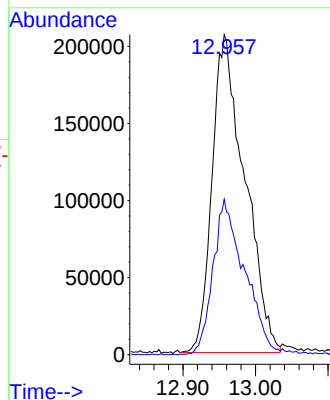
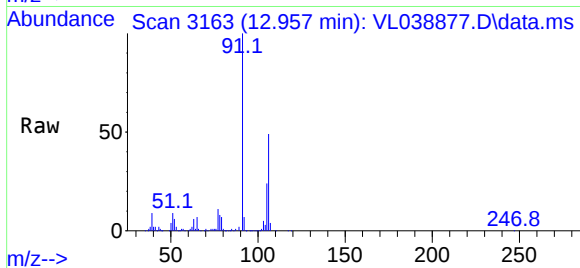
106 48.0 37.1 55.7

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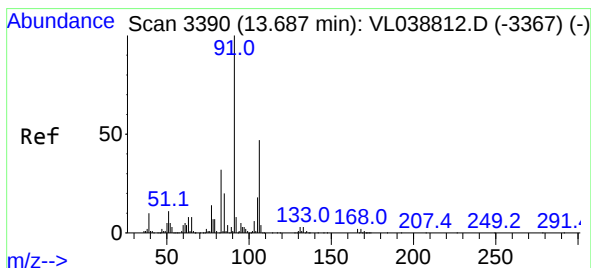
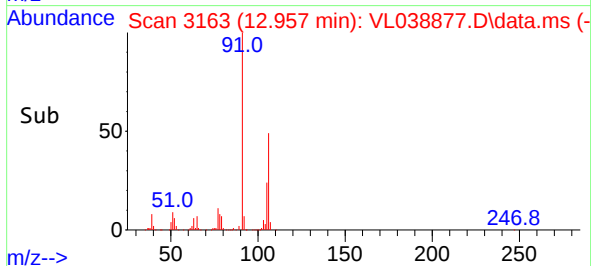
Reviewed By :Semsettin Yesilyurt 04/13/2022

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#60

o-Xylene

Concen: 0.622 ppbv

RT: 13.677 min Scan# 3387

Delta R.T. -0.010 min

Lab File: VL038877.D

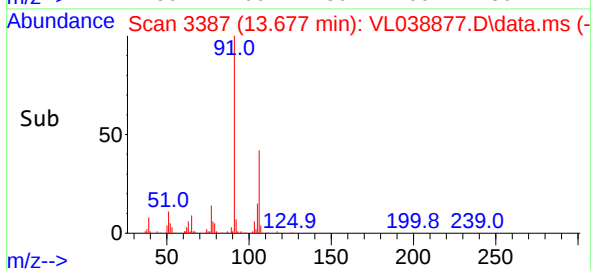
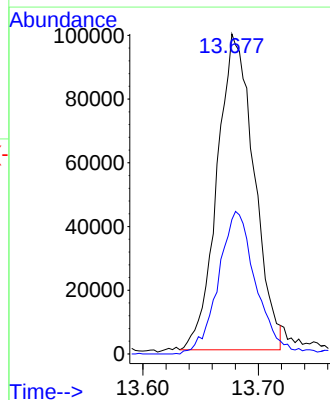
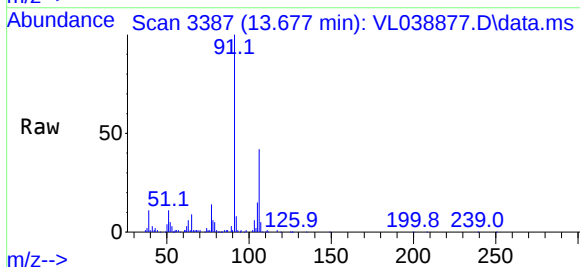
Acq: 11 Apr 2022 19:40

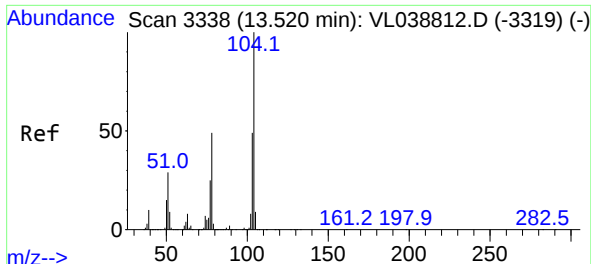
Tgt Ion: 91 Resp: 220171

Ion Ratio Lower Upper

91 100

106 46.5 23.8 71.4





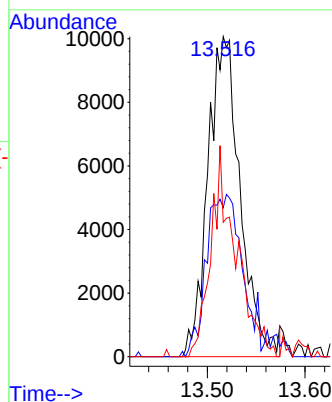
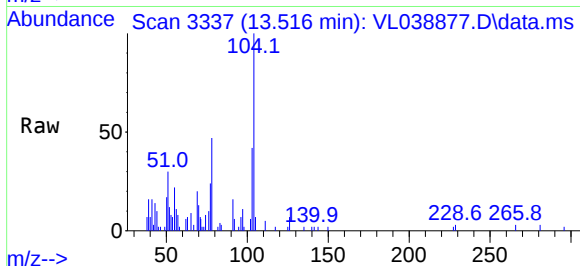
#61
Styrene
Concen: 0.107 ppbv m
RT: 13.516 min Scan# 3337
Delta R.T. -0.003 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

Instrument : MSVOA_L
ClientSampleId : VL038877.D
IA-2

Tgt Ion:104 Resp: 2315
Ion Ratio Lower Upper
104 100
78 59.7 40.5 60.7
103 51.0 39.0 58.4

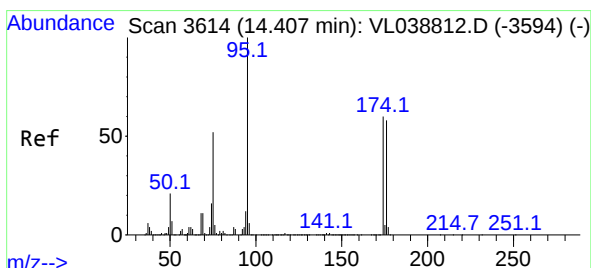
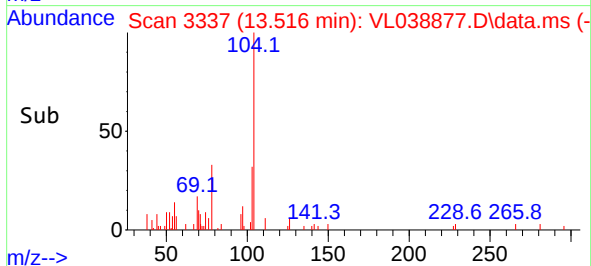
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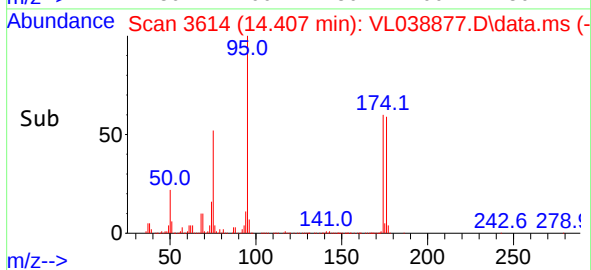
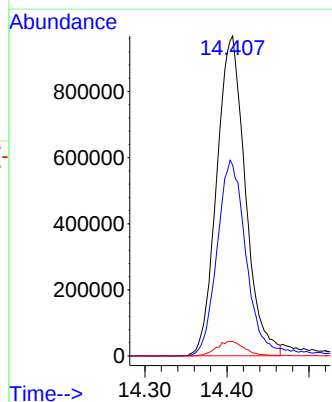
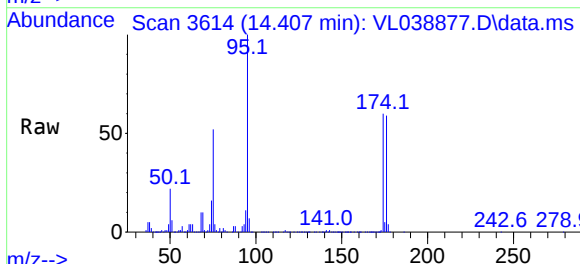
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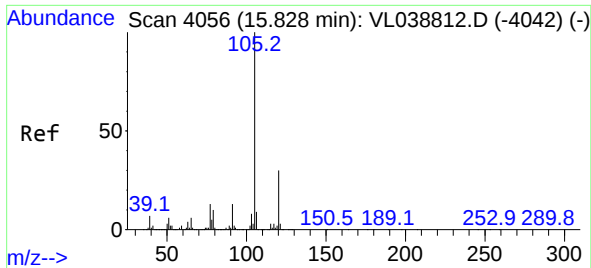
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.295 ppbv
RT: 14.407 min Scan# 3614
Delta R.T. -0.000 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

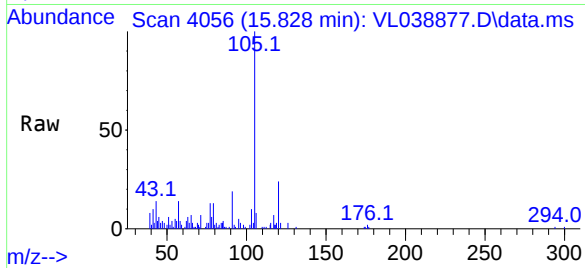
Tgt Ion: 95 Resp: 2352586
Ion Ratio Lower Upper
95 100
174 64.5 52.0 78.0
175 4.6 4.0 6.0





#72
4-Ethyltoluene
Concen: 0.135 ppbv
RT: 15.828 min Scan# 4056
Delta R.T. -0.000 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

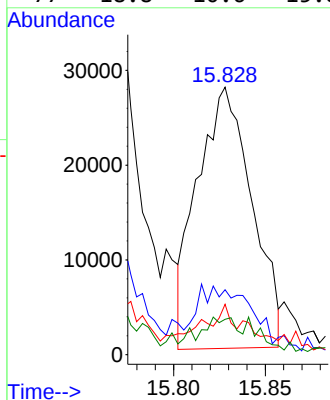
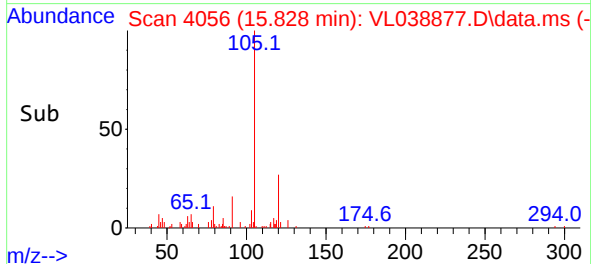
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion:105 Resp: 5710
Ion Ratio Lower Upper
105 100
120 33.6 24.3 36.5
91 17.1 9.4 14.2
77 18.8 10.6 15.8

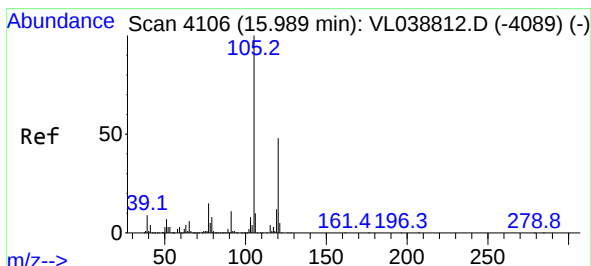
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Supervised By :Mahesh Dadoda 04/14/2022

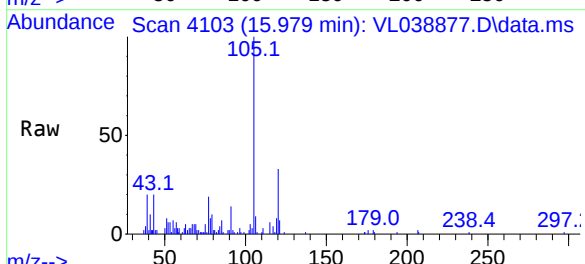


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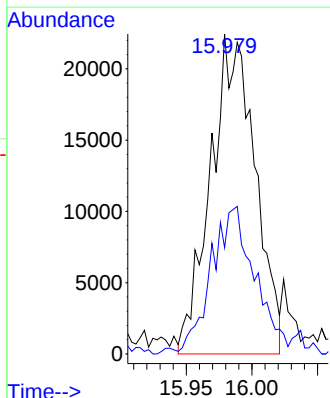
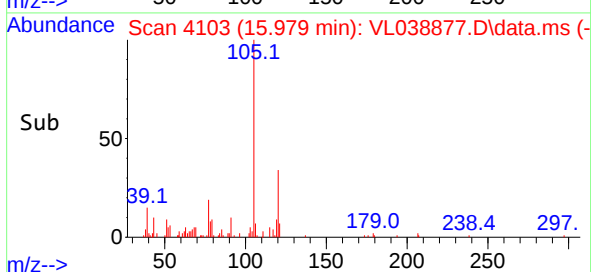
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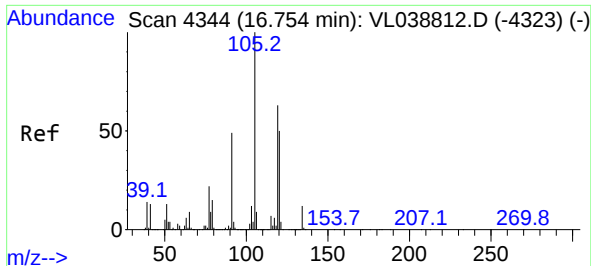


#73
1,3,5-Trimethylbenzene
Concen: 0.139 ppbv m
RT: 15.979 min Scan# 4103
Delta R.T. -0.010 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40



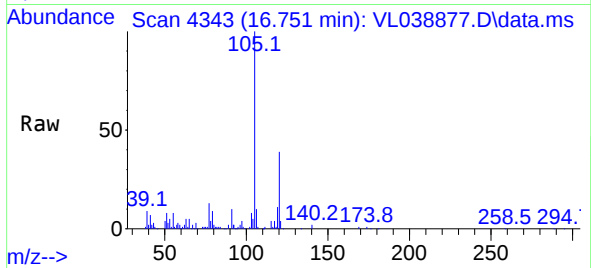
Tgt Ion:105 Resp: 52890
Ion Ratio Lower Upper
105 100
120 33.2 38.7 58.1





#74
1,2,4-Trimethylbenzene
Concen: 0.473 ppbv
RT: 16.751 min Scan# 4344
Delta R.T. -0.003 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

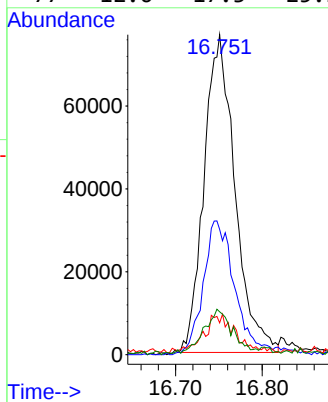
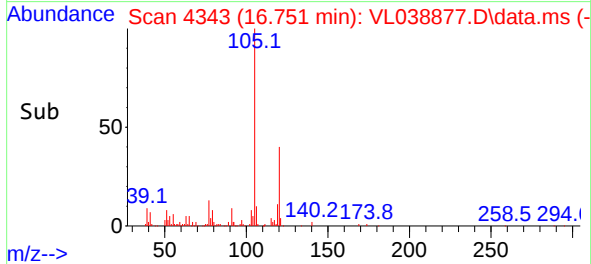
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion:105 Resp: 189720
Ion Ratio Lower Upper
105 100
120 38.7 39.8 59.8
91 9.1 39.4 59.0
77 12.6 17.3 25.9

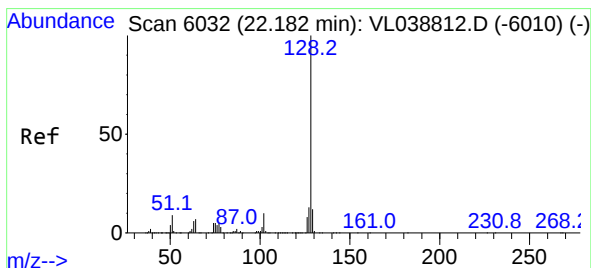
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Supervised By :Mahesh Dadoda 04/14/2022



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Supervised By :Mahesh
Dadoda

04/14/2022



#79
Naphthalene
Concen: 0.097 ppbv m
RT: 22.178 min Scan# 6031
Delta R.T. -0.003 min
Lab File: VL038877.D
Acq: 11 Apr 2022 19:40

Tgt Ion:128 Resp: 29164
Ion Ratio Lower Upper
128 100
127 5.0 10.6 15.8
129 11.0 9.4 14.0

