

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
 Data File : VL039014.D
 Acq On : 10 May 2022 10:48
 Operator : SY/AP
 Sample : N2744-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
 Supervised By :Mahesh Dadoda 05/11/2022

Quant Time: May 11 01:46:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 11 14:15:48 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.639	49	1050273	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	7.144	114	3058964	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.044	117	2602949	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.375	95	1930617	9.366	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						
					Qvalue	
9) Propene	2.999	41	437925	7.695	ppbv	87
10) Heptane	8.089	43	288205	2.064	ppbv	95
13) Ethanol	3.581	45	2075285	515.256	ppbv	88
26) Hexane	5.658	57	449014	4.262	ppbv #	39
30) Cyclohexane	7.098	84	90795m	1.029	ppbv	
36) Benzene	6.861	78	198923	0.760	ppbv #	94
44) 2,2,4-Trimethylpentane	7.838	57	1272345	2.770	ppbv	94
52) Tetrachloroethene	11.185	164	831453	8.888	ppbv	94
53) Toluene	9.767	91	1540660	5.251	ppbv	99
58) Ethyl Benzene	12.667	91	371262	0.991	ppbv	100
59) m/p-Xylene	12.928	91	879387	2.750	ppbv	93
60) o-Xylene	13.651	91	318713	1.059	ppbv	97
72) 4-Ethyltoluene	15.793	105	73384	0.214	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.960	105	53980m	0.175	ppbv	
74) 1,2,4-Trimethylbenzene	16.715	105	155844	0.461	ppbv #	64

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

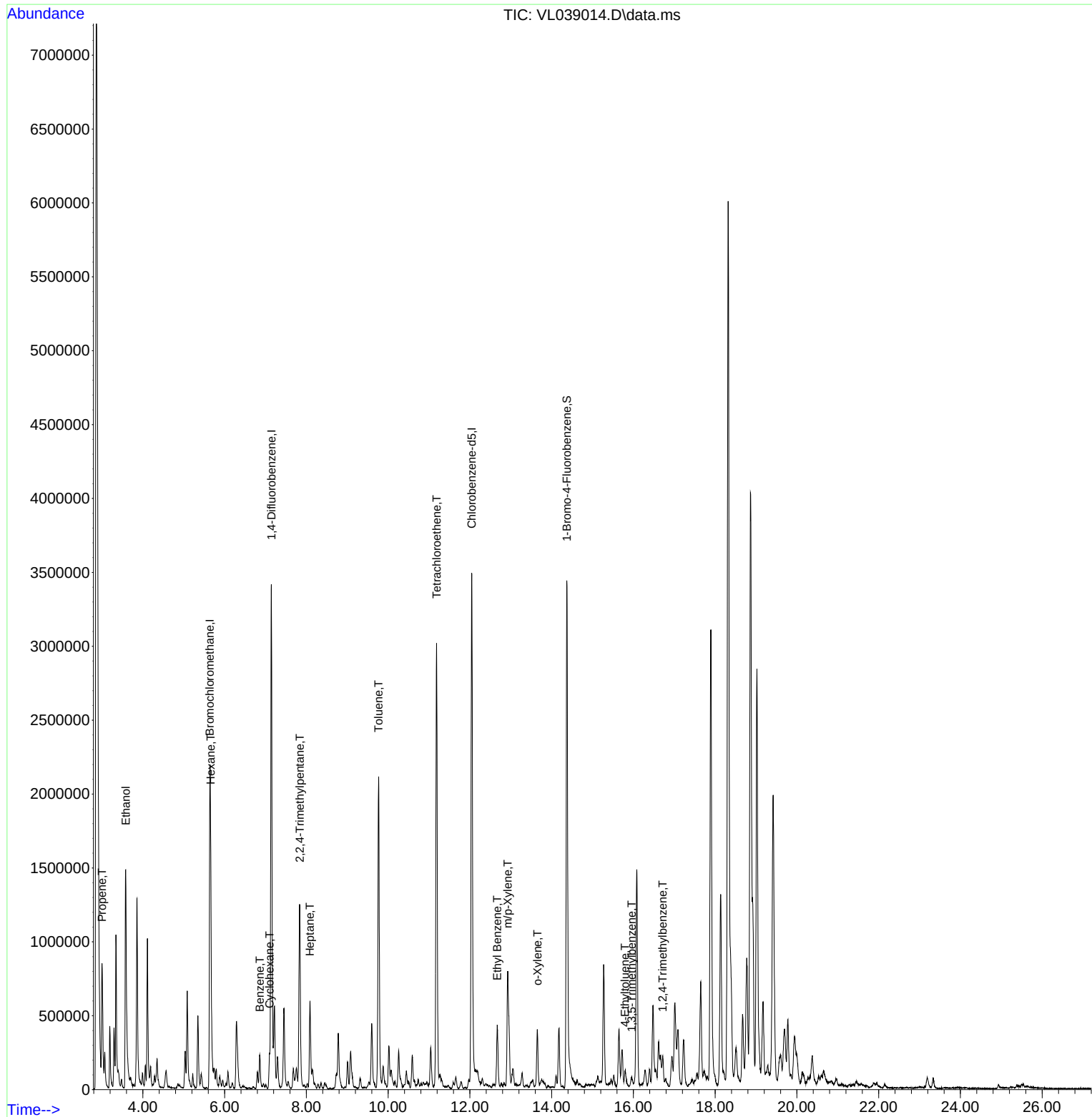
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
Data File : VL039014.D
Acq On : 10 May 2022 10:48
Operator : SY/AP
Sample : N2744-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

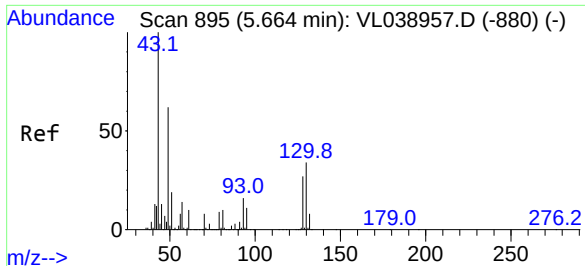
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Quant Time: May 11 01:46:06 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Manual Integrations
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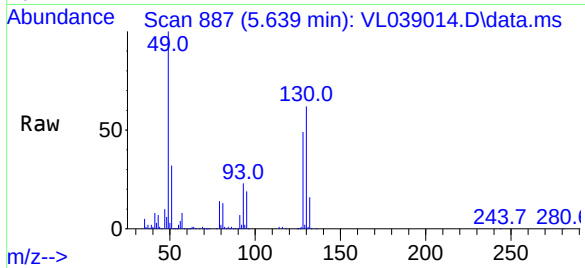
Reviewed By : Semsettin Yesilyurt 05/11/2022
Supervised By : Mahesh Dadoda 05/11/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.639 min Scan# 81
Delta R.T. -0.026 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

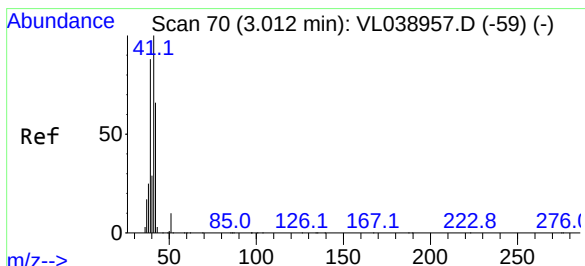
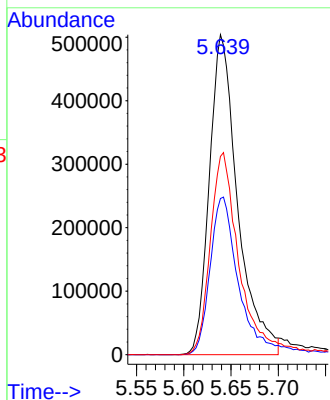
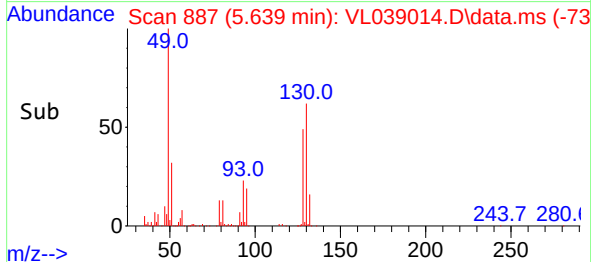
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2



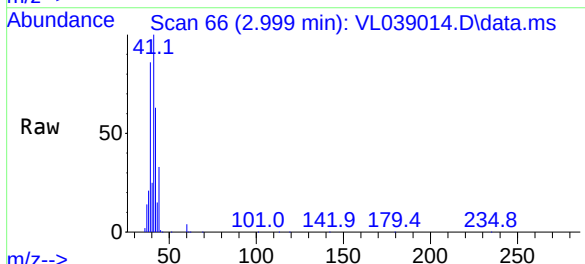
Tgt Ion: 49 Resp: 105027
Ion Ratio Lower Upper
49 100
128 51.5 23.3 69.8
130 66.9 29.8 89.3

Manual Integrations
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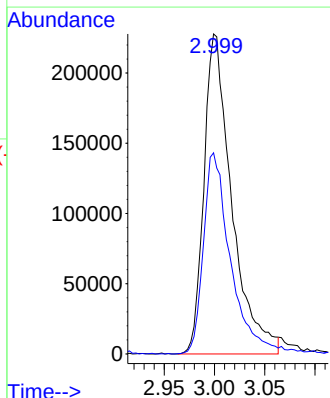
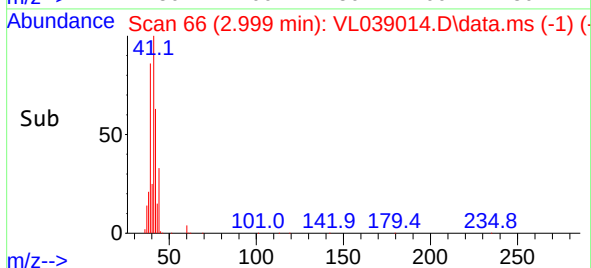
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

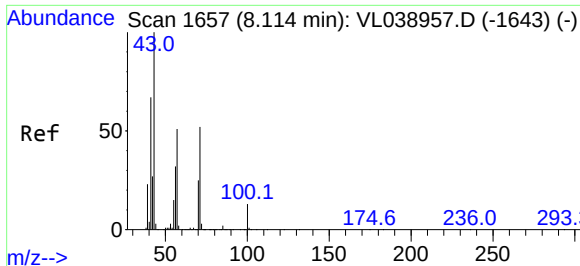


#9
Propene
Concen: 7.695 ppbv
RT: 2.999 min Scan# 66
Delta R.T. -0.013 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48



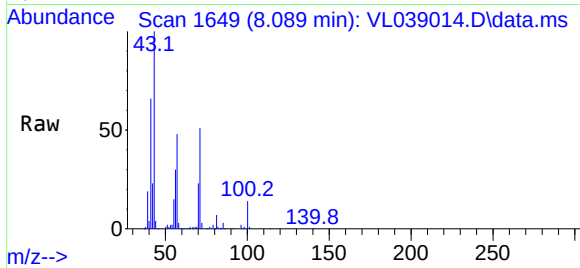
Tgt Ion: 41 Resp: 437925
Ion Ratio Lower Upper
41 100
42 62.3 58.3 87.5





#10
Heptane
Concen: 2.064 ppbv
RT: 8.089 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

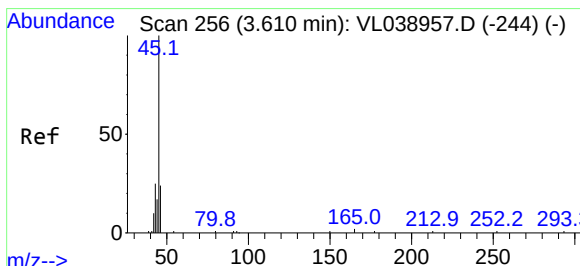
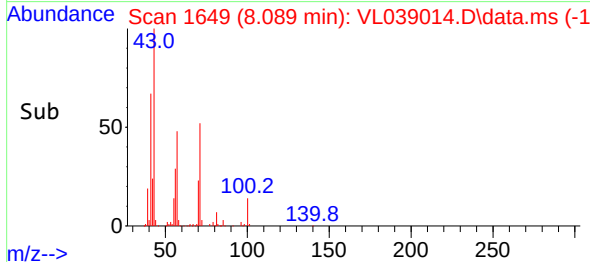
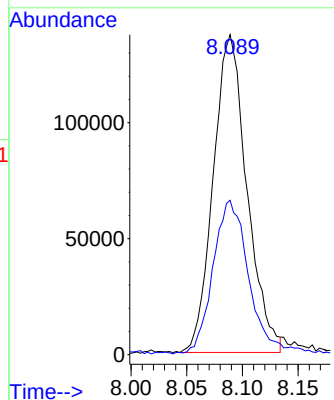
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2



Tgt Ion: 43 Resp: 288209
Ion Ratio Lower Upper
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57 53.8 40.5 60.7

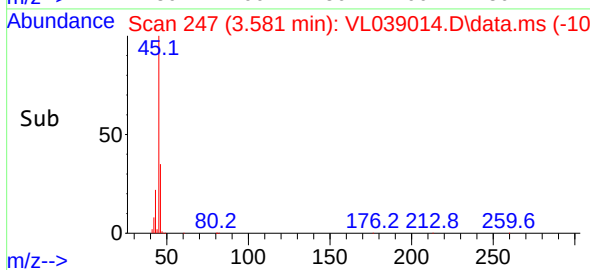
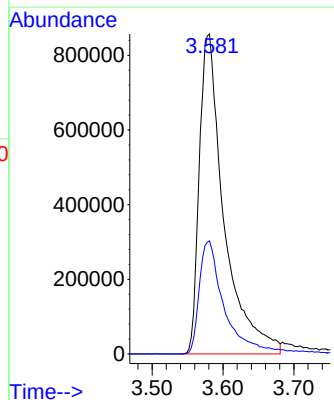
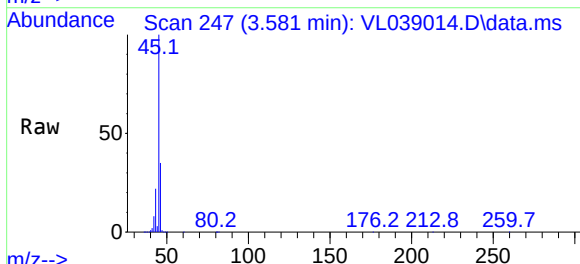
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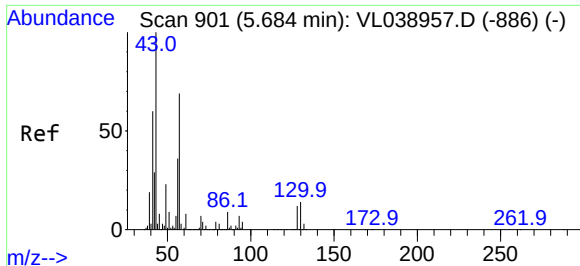
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#13
Ethanol
Concen: 515.256 ppbv
RT: 3.581 min Scan# 247
Delta R.T. -0.029 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

Tgt Ion: 45 Resp: 2075285
Ion Ratio Lower Upper
45 100
46 37.3 18.0 72.2





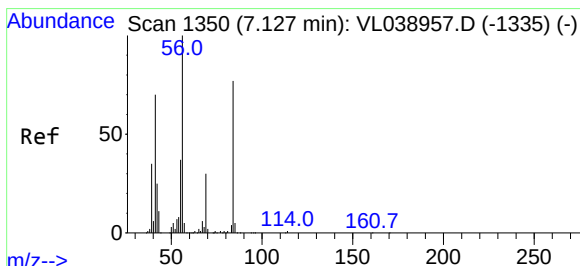
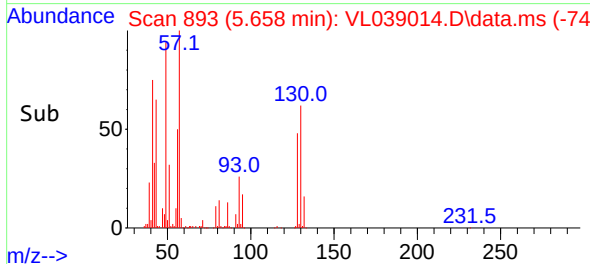
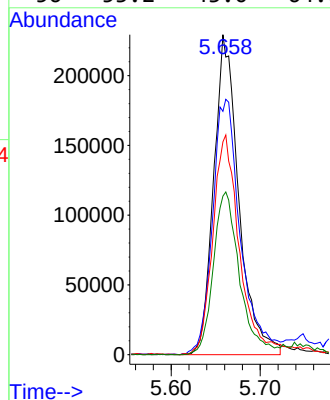
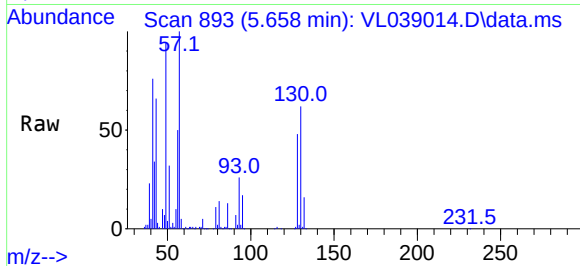
#26
Hexane
Concen: 4.262 ppbv
RT: 5.658 min Scan# 893
Delta R.T. -0.026 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 57 Resp: 449014
Ion Ratio Lower Upper
57 100
41 88.2 75.2 112.8
43 75.3 190.8 286.2
56 53.2 43.0 64.6

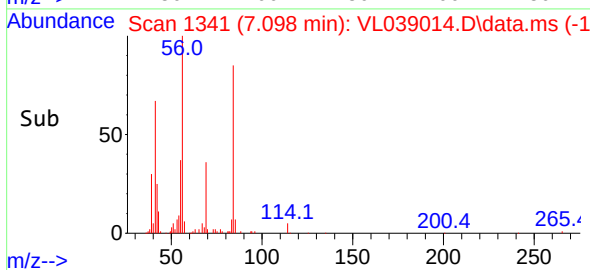
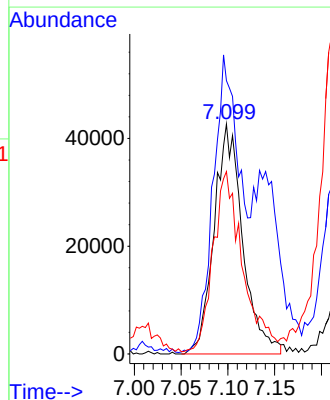
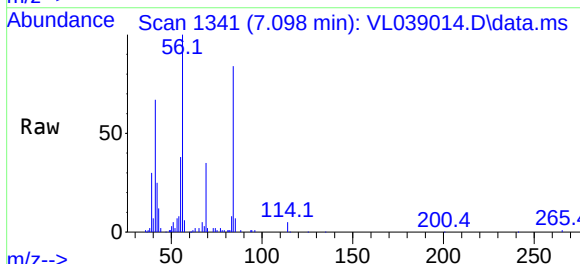
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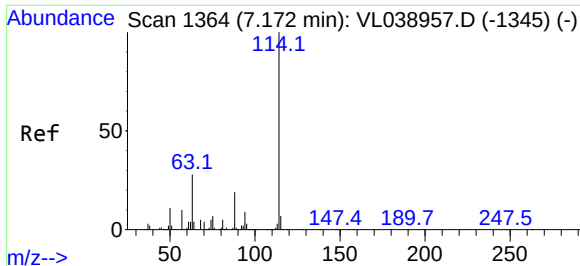
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#30
Cyclohexane
Concen: 1.029 ppbv m
RT: 7.098 min Scan# 1341
Delta R.T. -0.029 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

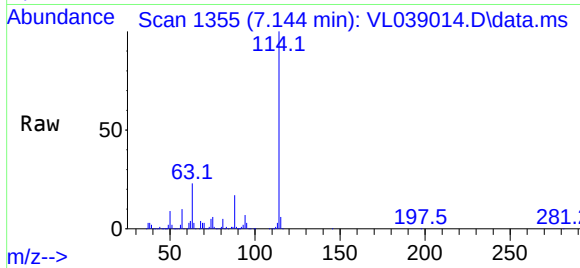
Tgt Ion: 84 Resp: 90795
Ion Ratio Lower Upper
84 100
56 196.8 115.3 172.9
41 81.1 72.0 108.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.144 min Scan# 11
Delta R.T. -0.029 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

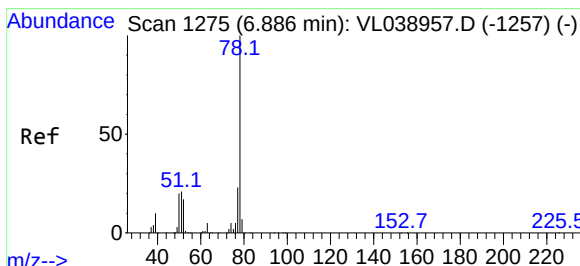
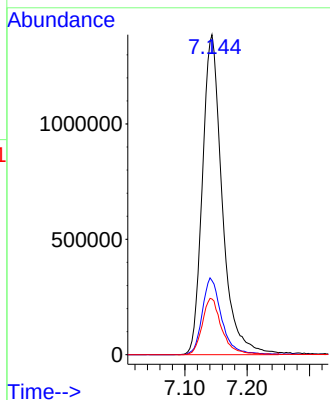
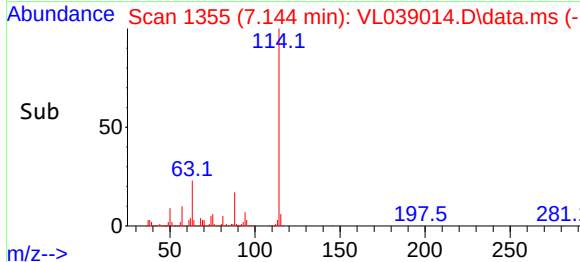
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2



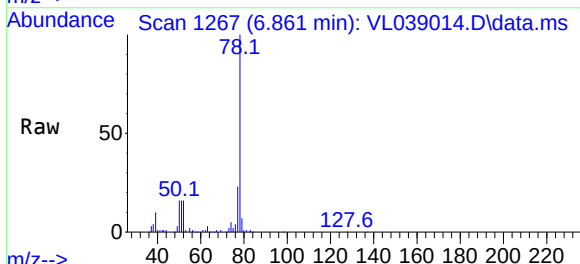
Tgt Ion:114 Resp: 3058964
Ion Ratio Lower Upper
114 100
63 23.5 22.6 33.8
88 17.5 15.4 23.0

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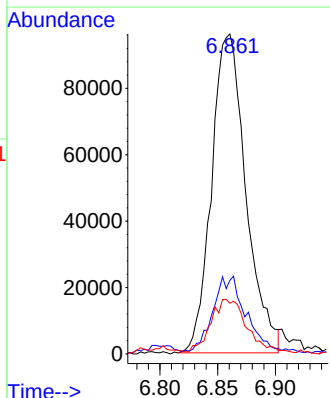
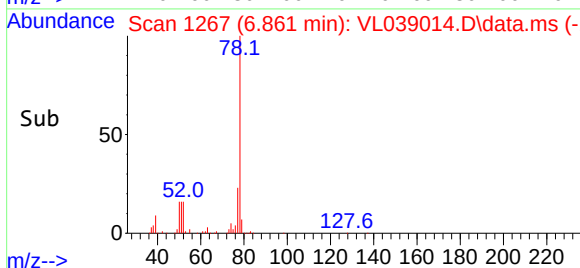
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

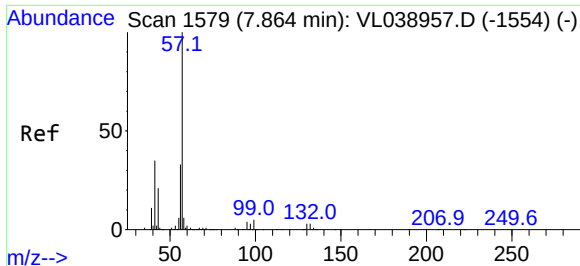


#36
Benzene
Concen: 0.760 ppbv
RT: 6.861 min Scan# 1267
Delta R.T. -0.026 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48



Tgt Ion: 78 Resp: 198923
Ion Ratio Lower Upper
78 100
77 21.7 18.6 28.0
50 14.8 15.6 23.4





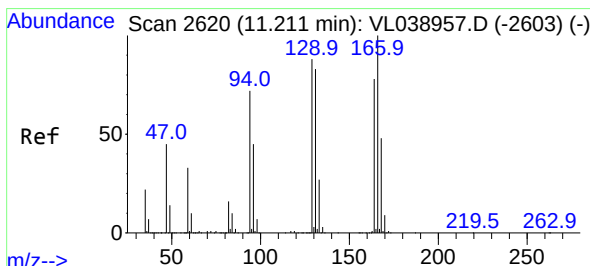
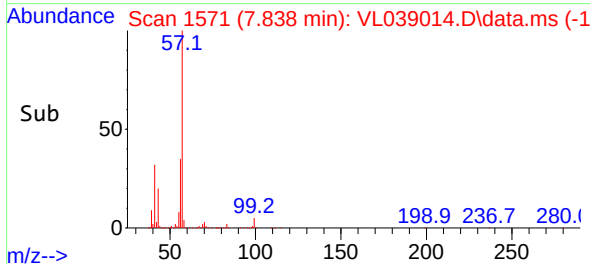
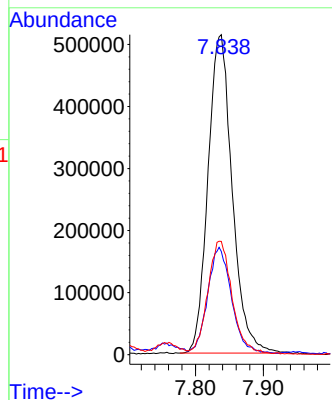
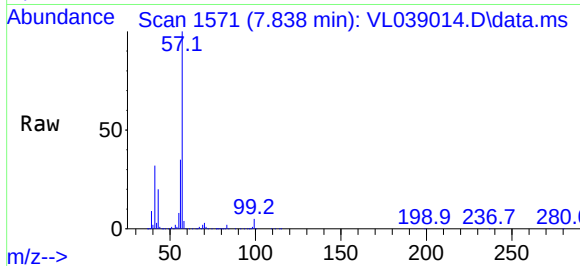
#44
2,2,4-Trimethylpentane
Concen: 2.770 ppbv
RT: 7.838 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 57 Resp: 1272349
Ion Ratio Lower Upper
57 100
41 33.7 26.3 39.5
56 36.2 24.6 37.0

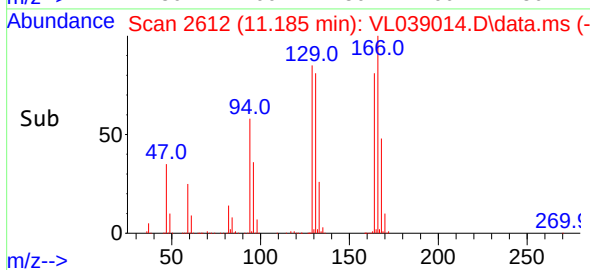
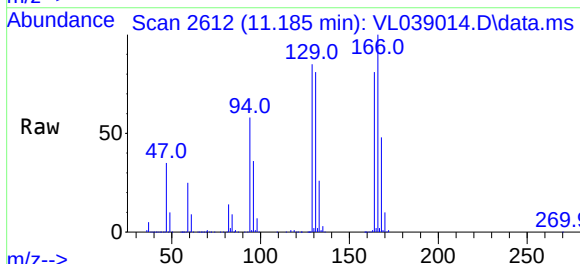
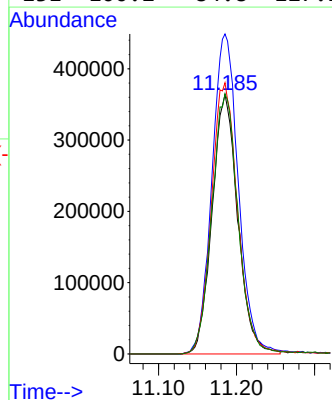
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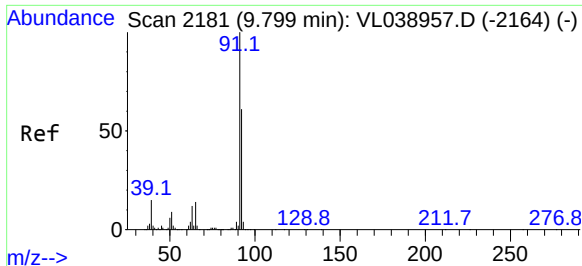
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#52
Tetrachloroethene
Concen: 8.888 ppbv
RT: 11.185 min Scan# 2612
Delta R.T. -0.026 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

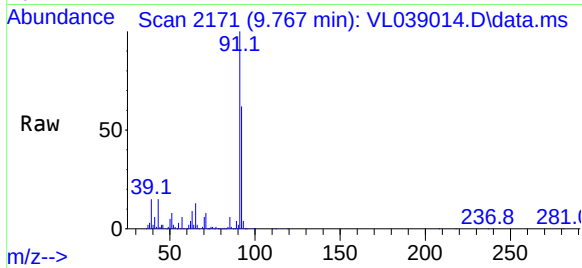
Tgt Ion:164 Resp: 831453
Ion Ratio Lower Upper
164 100
166 123.3 102.5 153.7
129 104.4 90.1 135.1
131 100.2 84.8 127.2





#53
Toluene
Concen: 5.251 ppbv
RT: 9.767 min Scan# 2181
Delta R.T. -0.032 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

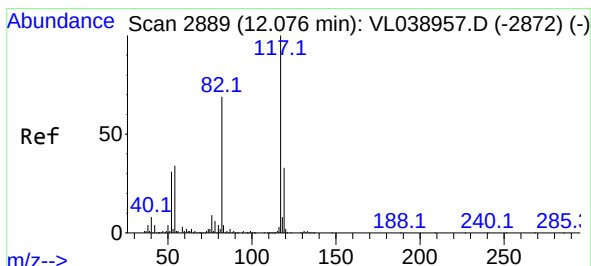
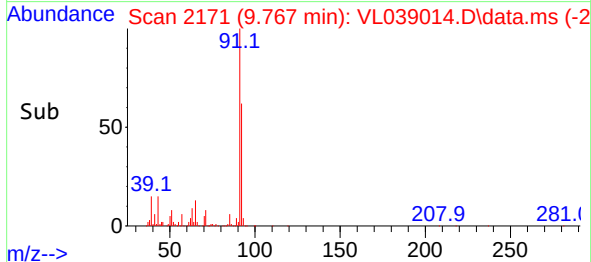
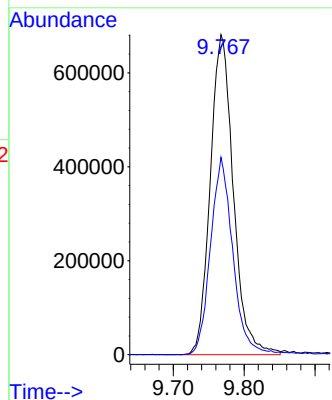
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2



Tgt Ion: 91 Resp: 1540660
Ion Ratio Lower Upper
91 100
92 60.7 48.2 72.2

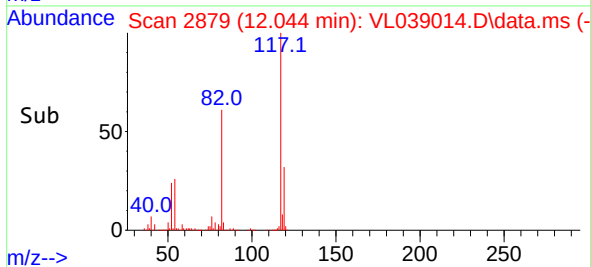
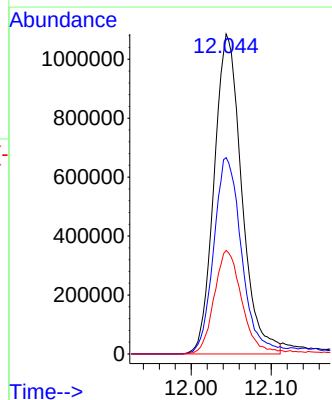
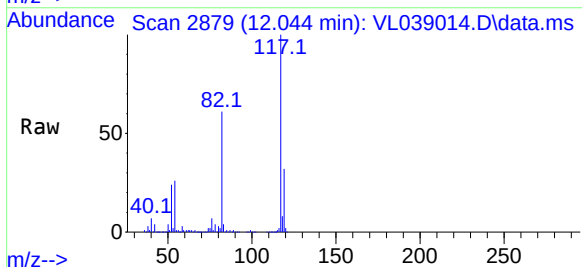
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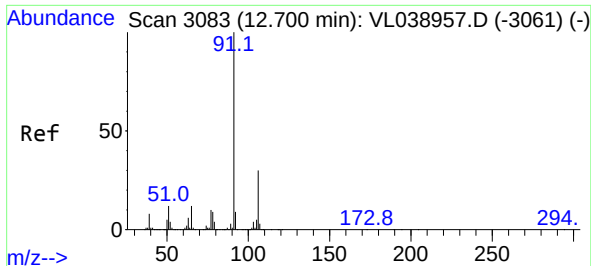
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.044 min Scan# 2879
Delta R.T. -0.032 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

Tgt Ion:117 Resp: 2602949
Ion Ratio Lower Upper
117 100
82 65.7 57.0 85.6
119 33.9 27.2 40.8





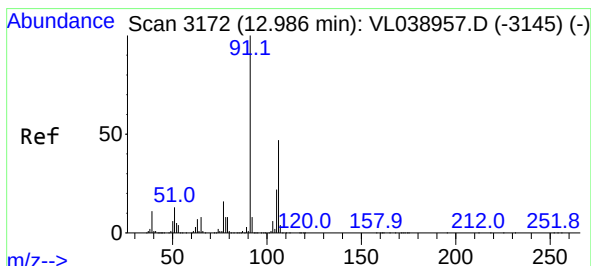
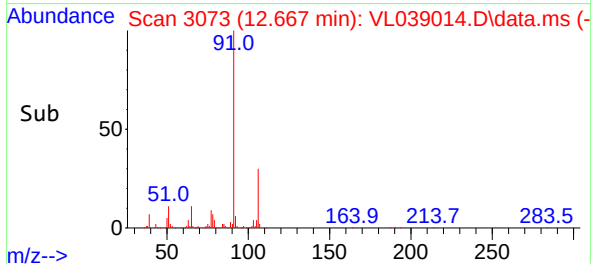
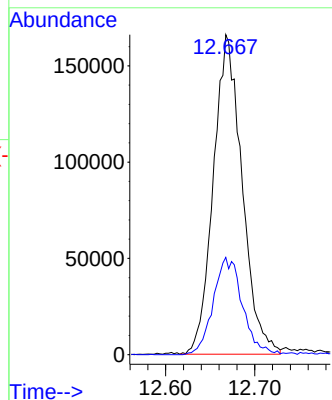
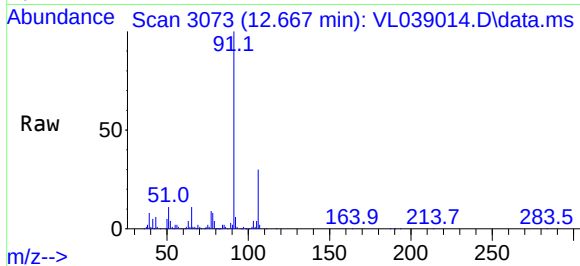
#58
Ethyl Benzene
Concen: 0.991 ppbv
RT: 12.667 min Scan# 3083
Delta R.T. -0.032 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 91 Resp: 371262
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4

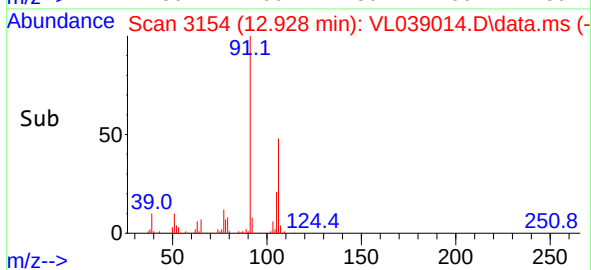
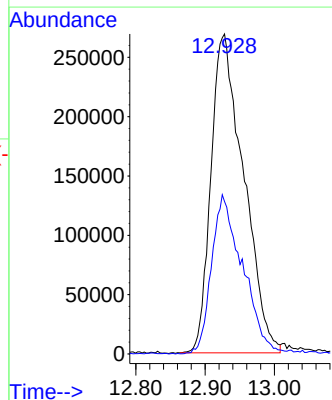
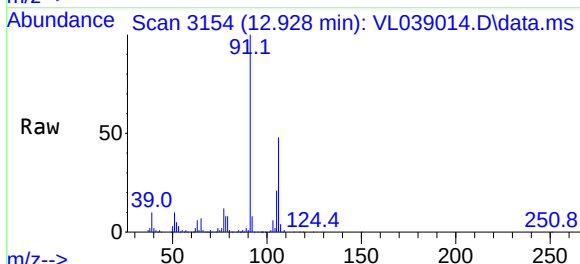
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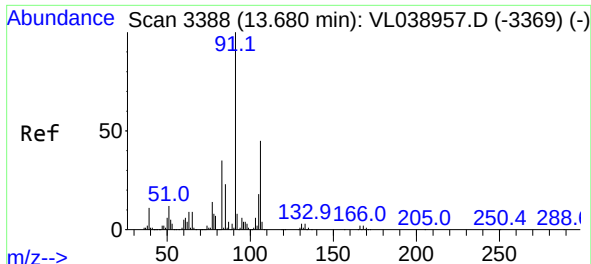
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#59
m/p-Xylene
Concen: 2.750 ppbv
RT: 12.928 min Scan# 3154
Delta R.T. -0.058 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

Tgt Ion: 91 Resp: 879387
Ion Ratio Lower Upper
91 100
106 47.7 34.6 52.0





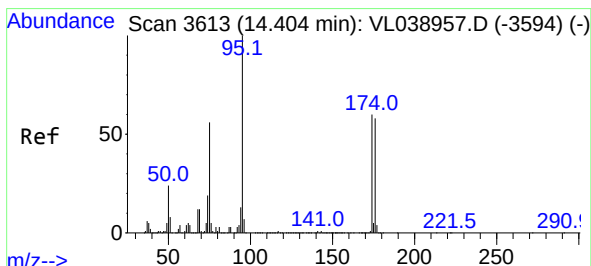
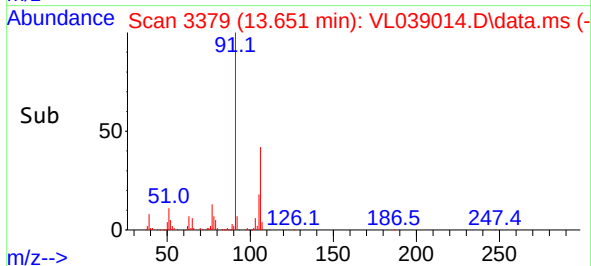
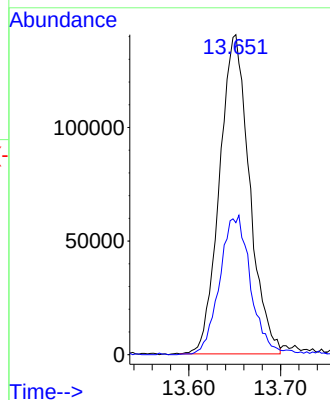
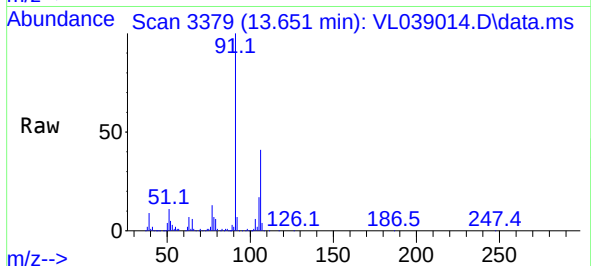
#60
o-Xylene
Concen: 1.059 ppbv
RT: 13.651 min Scan# 3187
Delta R.T. -0.029 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 91 Resp: 31871
Ion Ratio Lower Upper
91 100
106 46.6 22.2 66.6

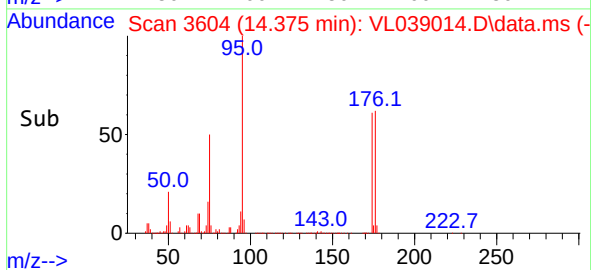
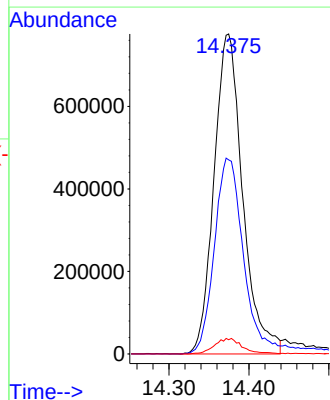
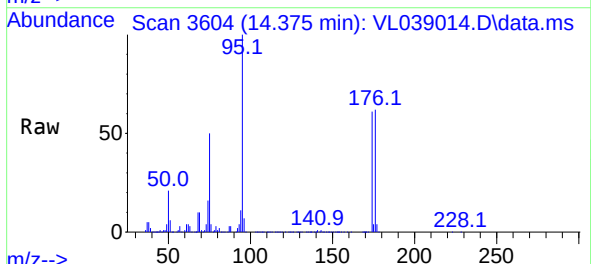
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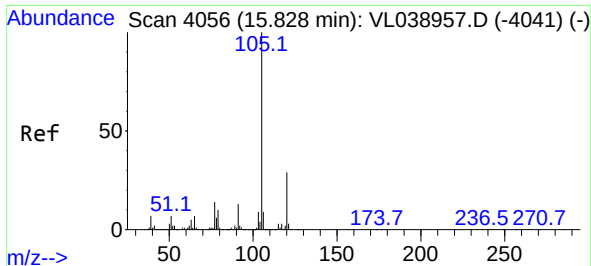
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.366 ppbv
RT: 14.375 min Scan# 3604
Delta R.T. -0.029 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

Tgt Ion: 95 Resp: 1930617
Ion Ratio Lower Upper
95 100
174 65.8 50.8 76.2
175 4.7 3.8 5.6





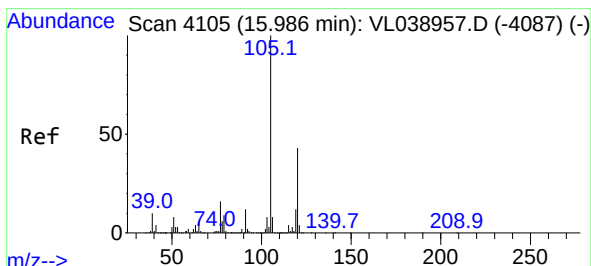
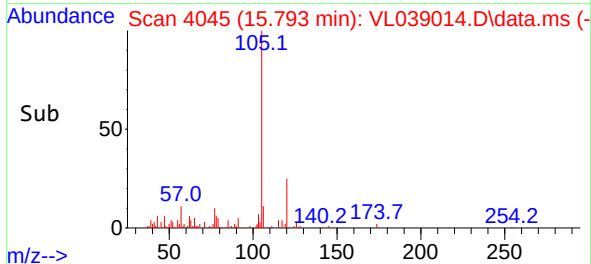
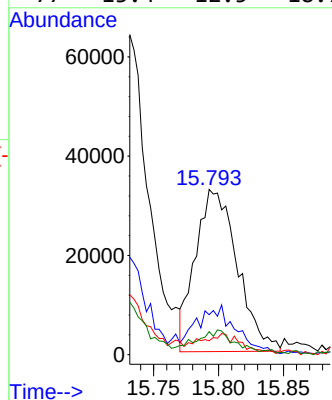
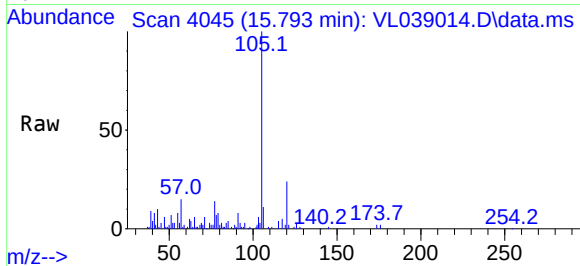
#72
4-Ethyltoluene
Concen: 0.214 ppbv
RT: 15.793 min Scan# 4045
Delta R.T. -0.035 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion:	105	Resp:	73384
Ion Ratio	Lower	Upper	
105	100		
120	32.5	23.4	35.0
91	8.9	10.6	16.0
77	13.4	12.5	18.7

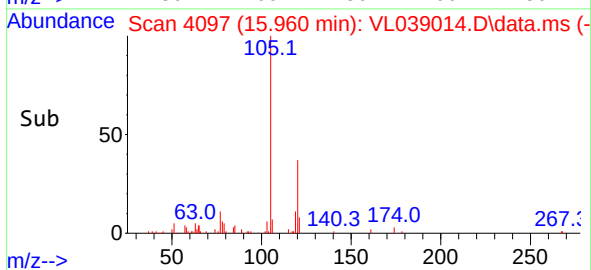
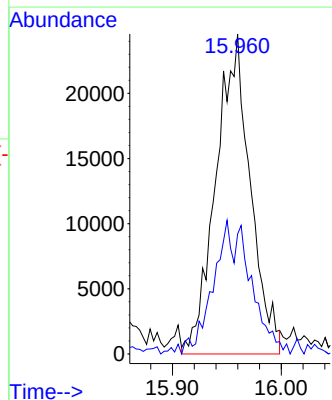
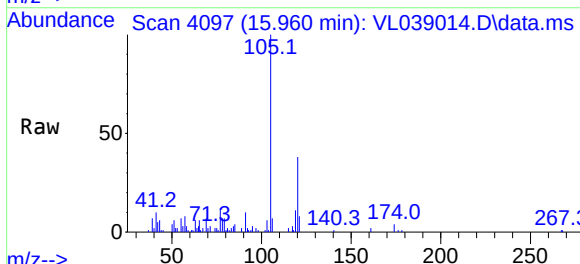
Manual Integrations
APPROVED

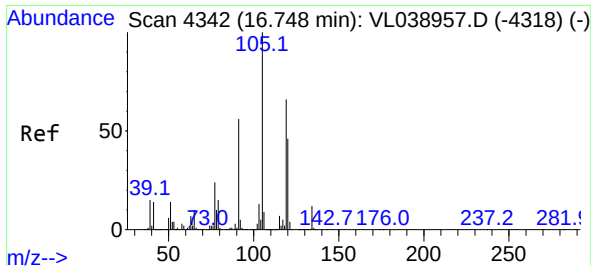
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.175 ppbv m
RT: 15.960 min Scan# 4097
Delta R.T. -0.026 min
Lab File: VL039014.D
Acq: 10 May 2022 10:48

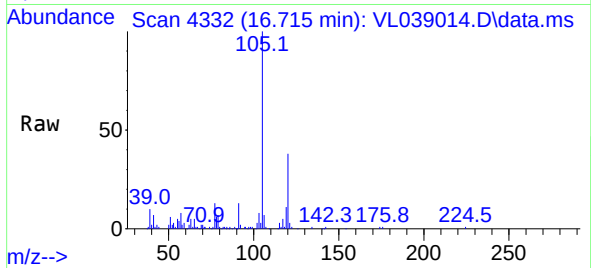
Tgt Ion:	105	Resp:	53980
Ion Ratio	Lower	Upper	
105	100		
120	37.5	34.4	51.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.461 ppbv
 RT: 16.715 min Scan# 41
 Delta R.T. -0.032 min
 Lab File: VL039014.D
 Acq: 10 May 2022 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2



Tgt Ion:105 Resp: 15584

Ion	Ratio	Lower	Upper
105	100		
120	38.1	36.9	55.3
91	12.1	45.0	67.4
77	12.3	19.2	28.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
 Supervised By :Mahesh Dadoda 05/11/2022

