

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038697.D
 Acq On : 22 Mar 2022 23:42
 Operator : SY/AP
 Sample : N1961-15DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P78DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 04:17:54 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 2

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	851366	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.156	114	2310322	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	2006756	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	1450049	9.425	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.200%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.980	51	25439	0.283	ppbv	97
13) Ethanol	3.603	45	12790m	2.671	ppbv	
15) Acetone	3.841	43	168199	2.290	ppbv	97
19) Isopropyl Alcohol	3.970	45	4404m	0.108	ppbv	
20) Methylene Chloride	4.333	84	93309	3.016	ppbv	95
26) Hexane	5.671	57	108874	1.315	ppbv #	40
30) Cyclohexane	7.114	84	26729	0.371	ppbv	88
34) 2-Butanone	5.234	43	136491	1.493	ppbv	95
36) Benzene	6.870	78	20210	0.113	ppbv	93
38) Trichloroethene	7.815	130	20154	0.270	ppbv	91
41) Tetrahydrofuran	6.037	42	433613	6.371	ppbv	98
44) 2,2,4-Trimethylpentane	7.848	57	267615	0.894	ppbv	92
52) Tetrachloroethene	11.198	164	483341	7.407	ppbv	95
53) Toluene	9.783	91	111106	0.580	ppbv	100
62) Isopropylbenzene	14.642	105	30645m	0.105	ppbv	

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

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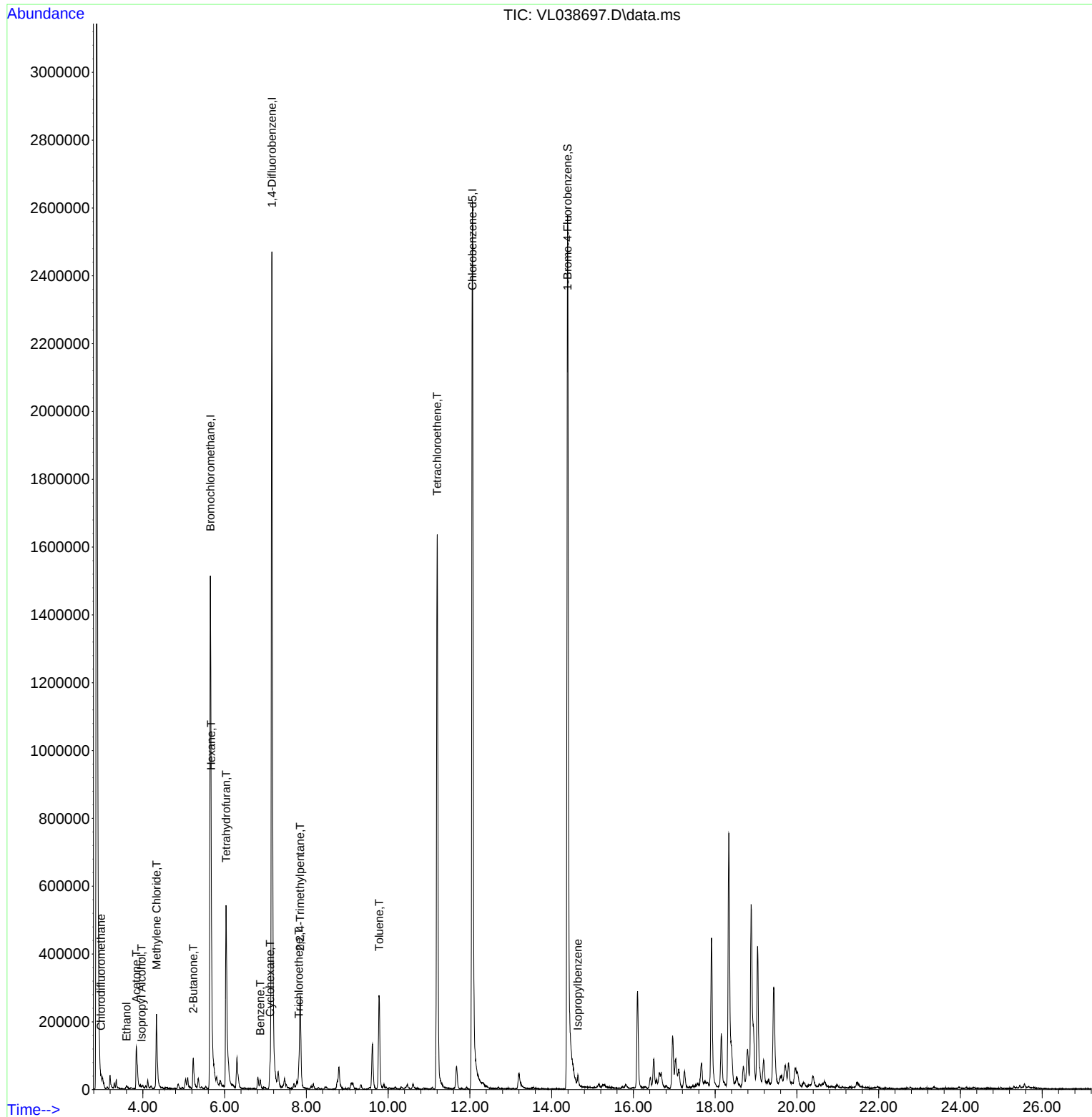
Quant Time: Mar 23 04:17:54 2022

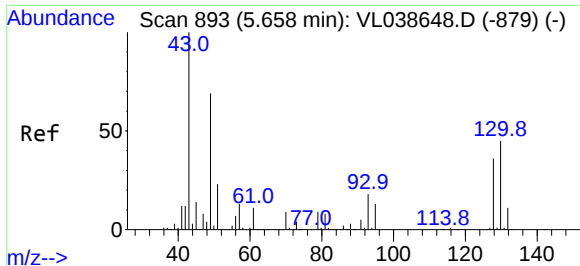
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar

QLast Update : Mon Mar 21 17:09:26 2022

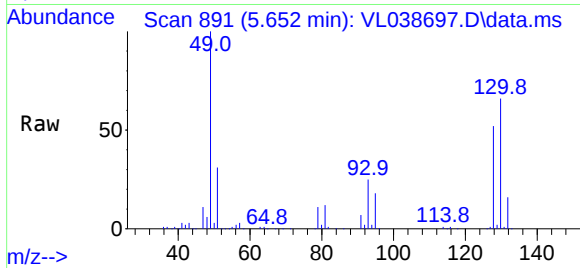
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 893
Delta R.T. -0.007 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42

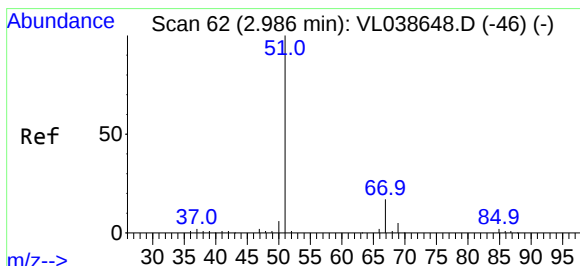
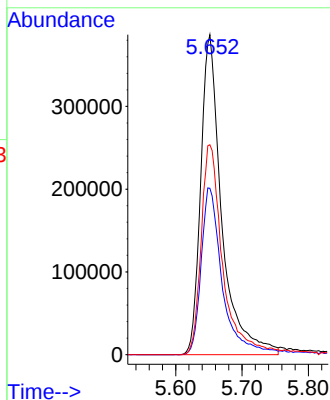
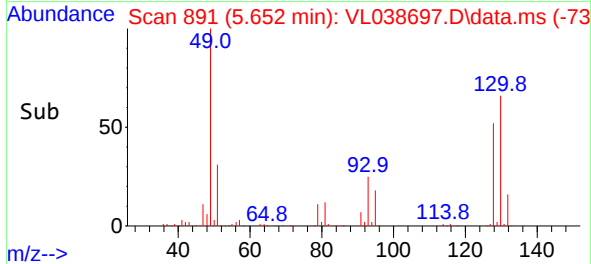
Instrument :
MSVOA_L
ClientSampleId :
COP78DL



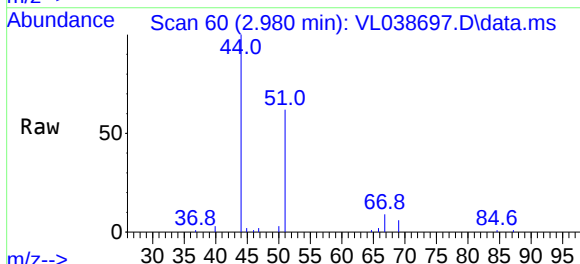
Tgt Ion: 49 Resp: 851360
Ion Ratio Lower Upper
49 100
128 53.2 26.2 78.6
130 69.0 33.7 101.1

Manual Integrations
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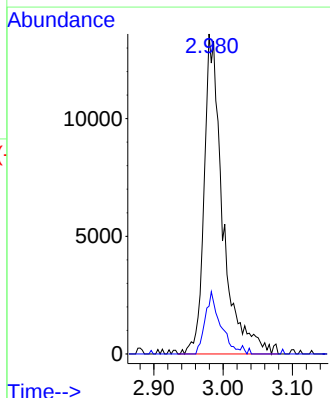
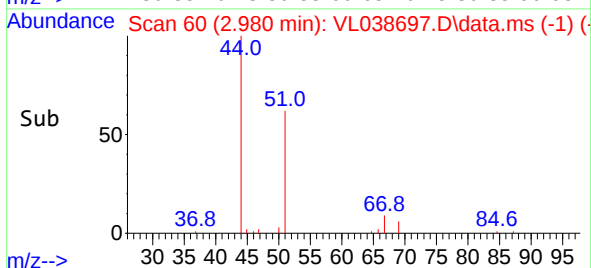
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

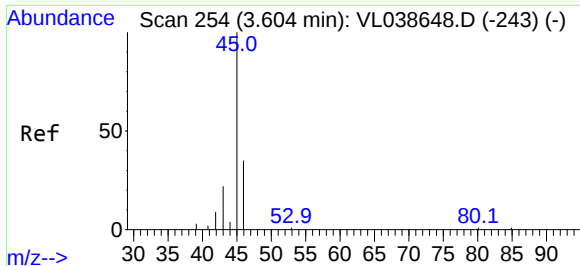


#3
Chlorodifluoromethane
Concen: 0.283 ppbv
RT: 2.980 min Scan# 60
Delta R.T. -0.007 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42



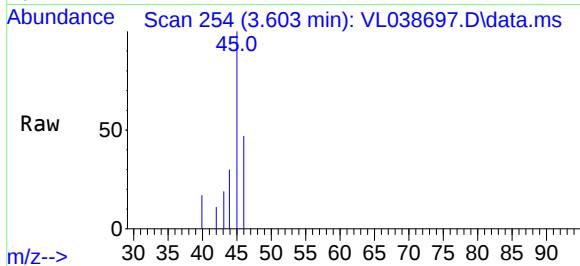
Tgt Ion: 51 Resp: 25439
Ion Ratio Lower Upper
51 100
67 16.4 14.1 21.1





#13
Ethanol
Concen: 2.671 ppbv m
RT: 3.603 min Scan# 212
Delta R.T. -0.000 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42

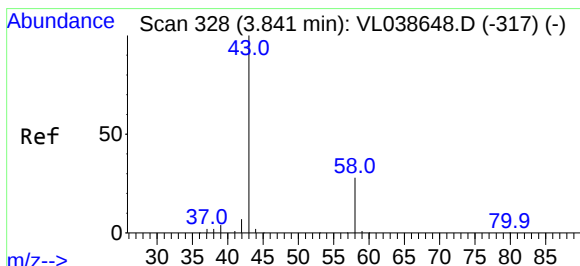
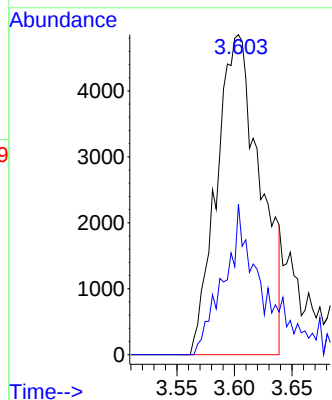
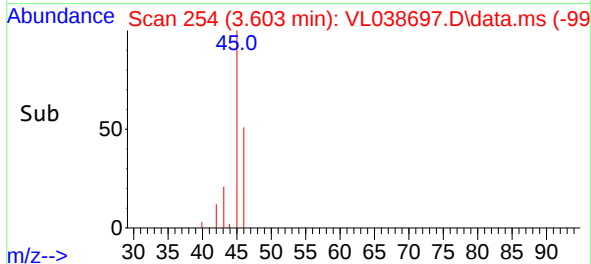
Instrument :
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ClientSampleId :
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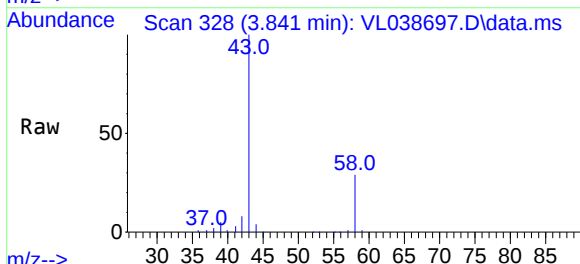
Tgt Ion: 45 Resp: 12790
Ion Ratio Lower Upper
45 100
46 43.4 15.1 60.5

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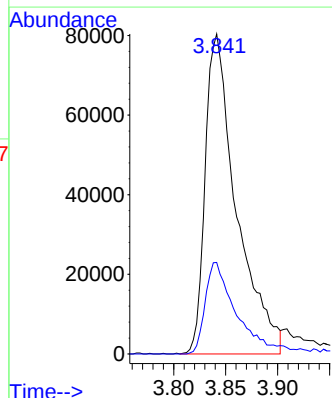
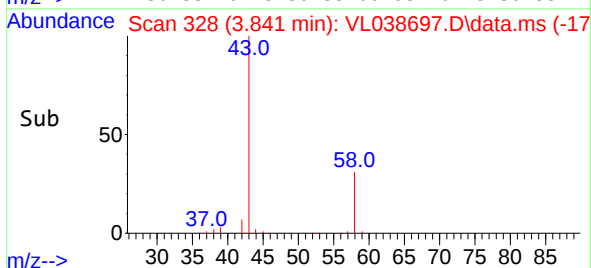
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

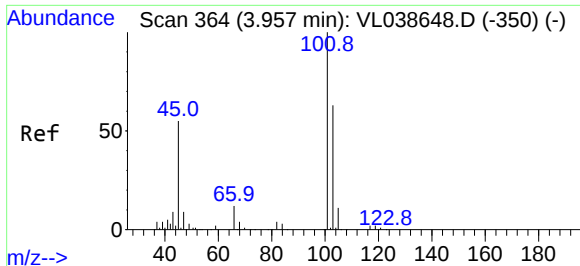


#15
Acetone
Concen: 2.290 ppbv
RT: 3.841 min Scan# 328
Delta R.T. -0.000 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42



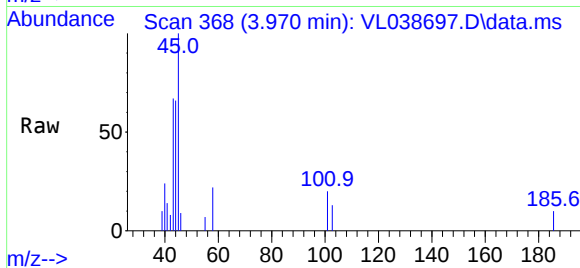
Tgt Ion: 43 Resp: 168199
Ion Ratio Lower Upper
43 100
58 31.0 23.3 34.9





#19
Isopropyl Alcohol
Concen: 0.108 ppbv m
RT: 3.970 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42

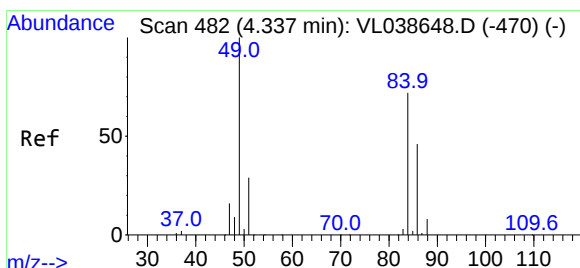
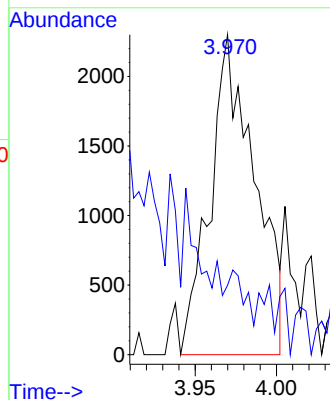
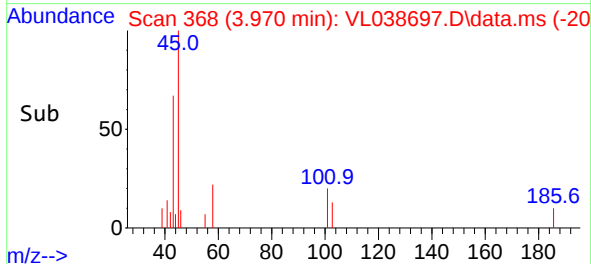
Instrument :
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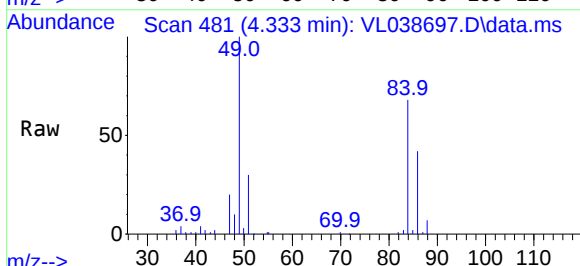
Tgt Ion: 45 Resp: 4404
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5

Manual Integrations
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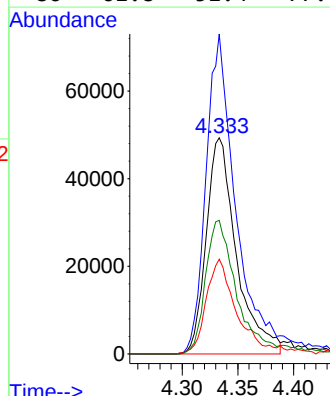
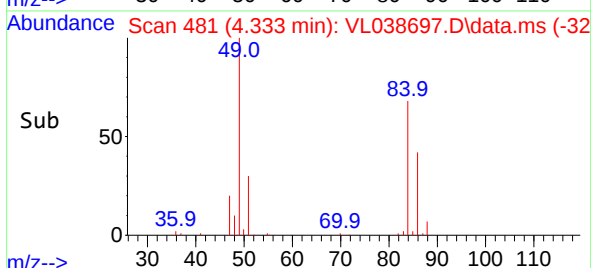
Reviewed By :Semsettin Yesilyurt 03/23/2022
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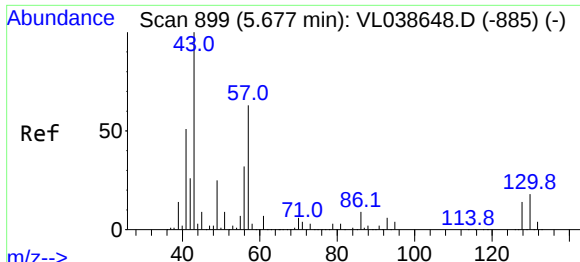


#20
Methylene Chloride
Concen: 3.016 ppbv
RT: 4.333 min Scan# 481
Delta R.T. -0.003 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42



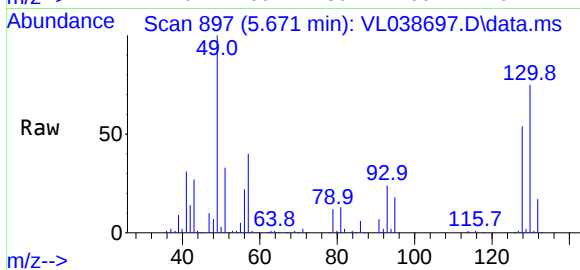
Tgt Ion: 84 Resp: 93309
Ion Ratio Lower Upper
84 100
49 147.6 111.2 166.8
51 43.3 32.8 49.2
86 61.8 51.4 77.0





#26
Hexane
Concen: 1.315 ppbv
RT: 5.671 min Scan# 899
Delta R.T. -0.007 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42

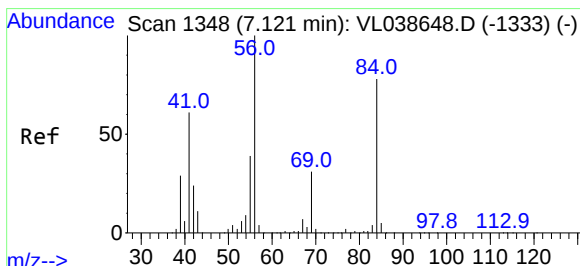
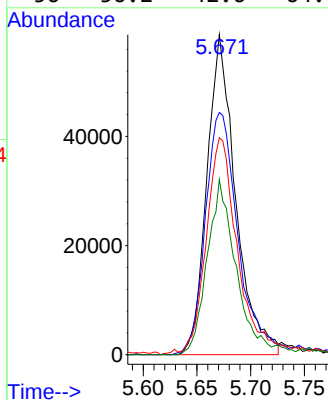
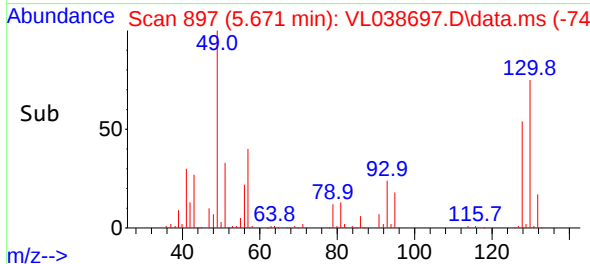
Instrument :
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ClientSampleId :
COP78DL



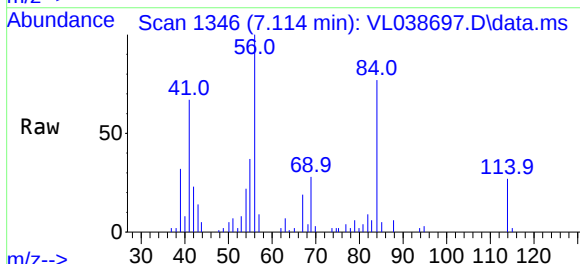
Tgt Ion: 57 Resp: 108874
Ion Ratio Lower Upper
57 100
41 89.2 67.0 100.4
43 76.4 184.2 276.2
56 56.2 42.6 64.0

Manual Integrations
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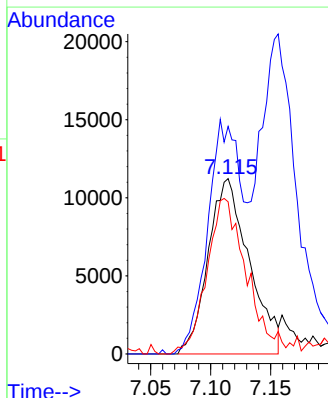
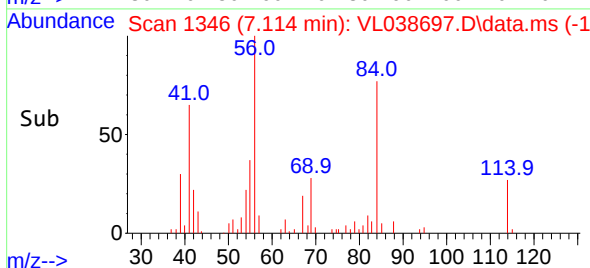
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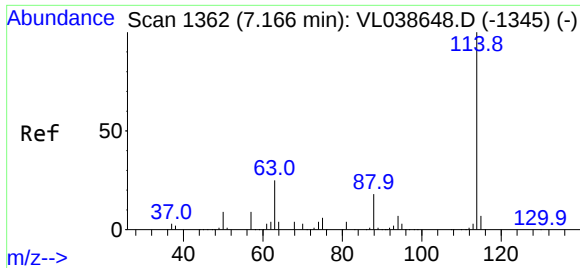


#30
Cyclohexane
Concen: 0.371 ppbv
RT: 7.114 min Scan# 1346
Delta R.T. -0.007 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42



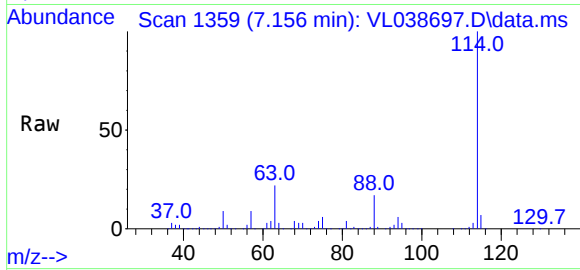
Tgt Ion: 84 Resp: 26729
Ion Ratio Lower Upper
84 100
56 118.4 108.2 162.4
41 85.3 61.8 92.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.156 min Scan# 114
Delta R.T. -0.010 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42

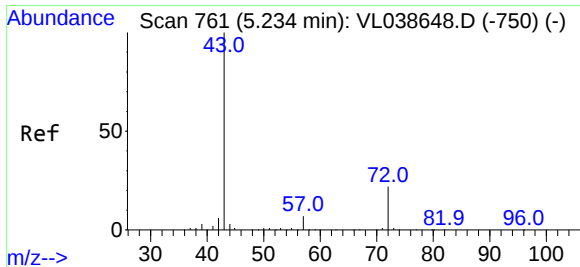
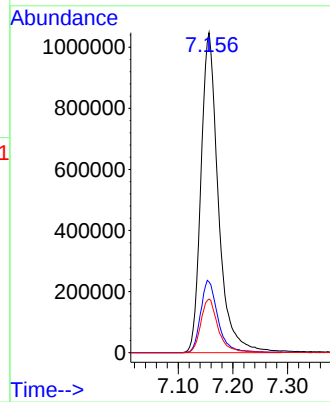
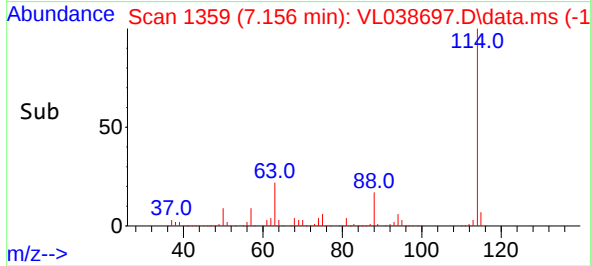
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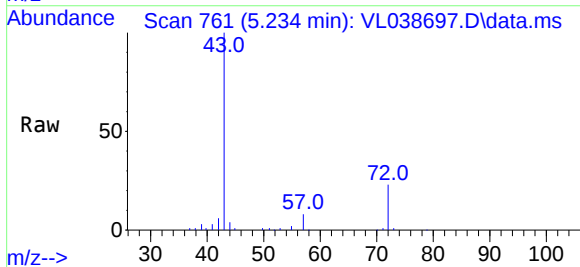
Tgt Ion:114 Resp: 231032
Ion Ratio Lower Upper
114 100
63 22.8 19.4 29.0
88 16.9 13.9 20.9

Manual Integrations
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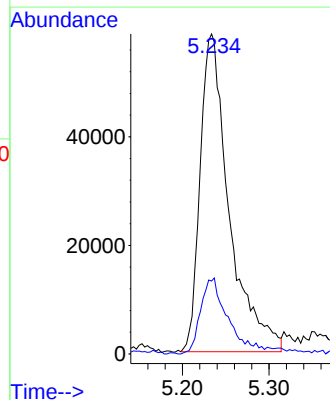
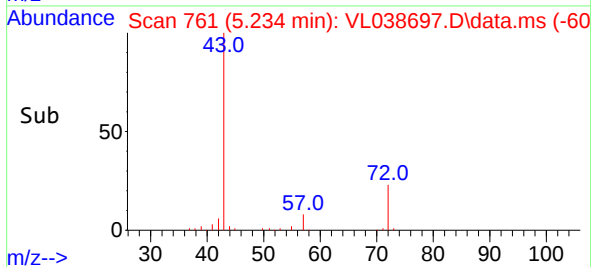
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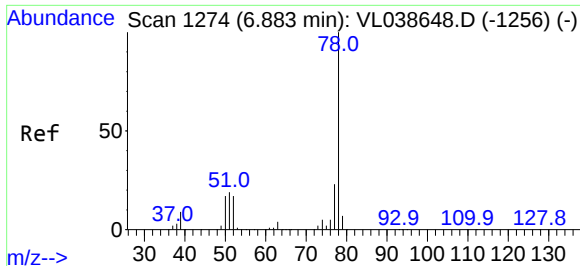


#34
2-Butanone
Concen: 1.493 ppbv
RT: 5.234 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42



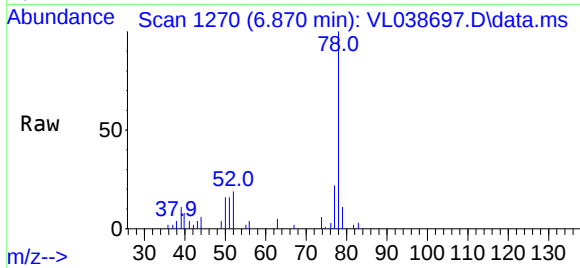
Tgt Ion: 43 Resp: 136491
Ion Ratio Lower Upper
43 100
72 24.5 17.8 26.8





#36
Benzene
Concen: 0.113 ppbv
RT: 6.870 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42

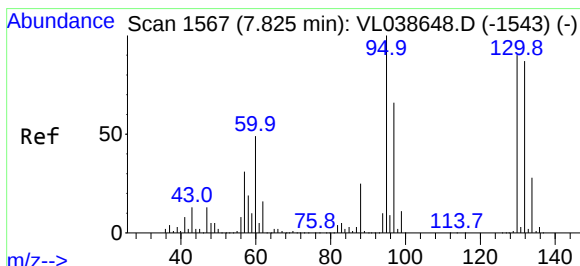
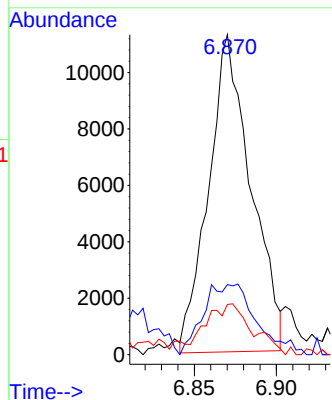
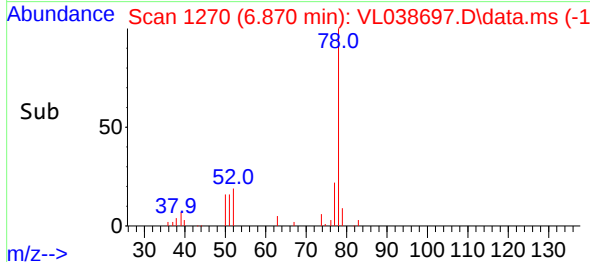
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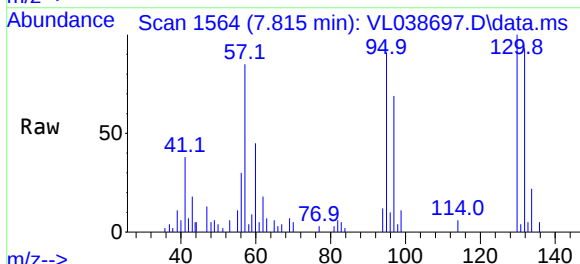
Tgt Ion: 78 Resp: 20210
Ion Ratio Lower Upper
78 100
77 18.9 18.1 27.1
50 14.4 13.6 20.4

Manual Integrations
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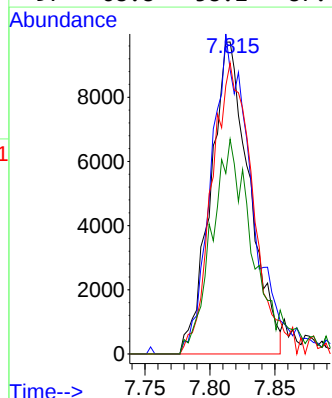
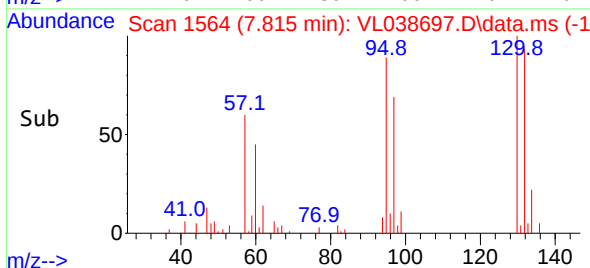
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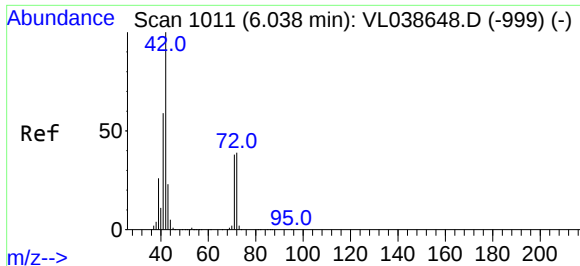


#38
Trichloroethene
Concen: 0.270 ppbv
RT: 7.815 min Scan# 1564
Delta R.T. -0.010 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42



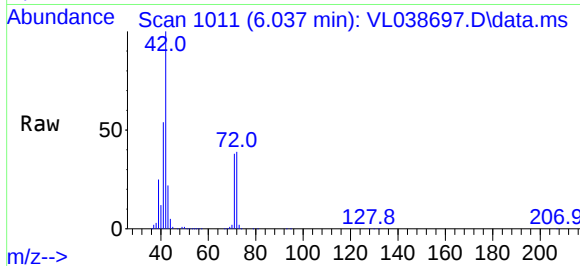
Tgt Ion:130 Resp: 20154
Ion Ratio Lower Upper
130 100
95 91.1 88.9 133.3
132 97.9 77.4 116.0
97 68.8 58.2 87.4





#41
Tetrahydrofuran
Concen: 6.371 ppbv
RT: 6.037 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42

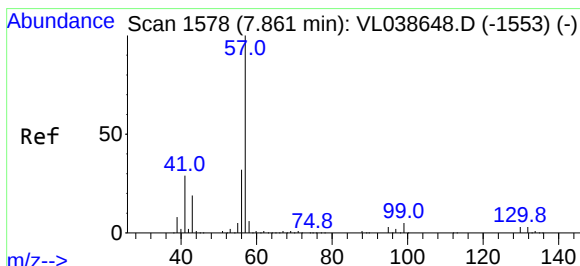
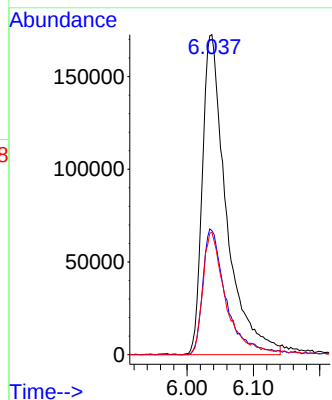
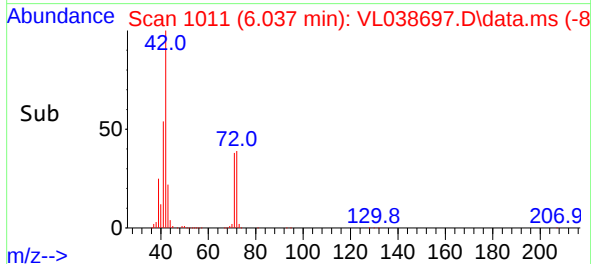
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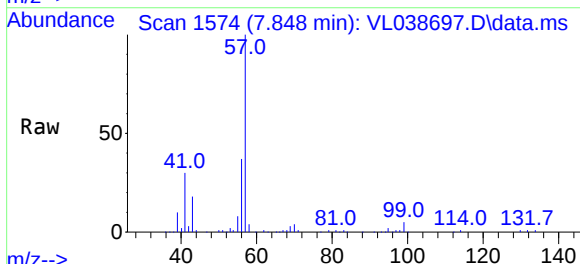
Tgt Ion: 42 Resp: 433611
Ion Ratio Lower Upper
42 100
72 39.4 32.5 48.7
71 38.1 31.4 47.2

Manual Integrations
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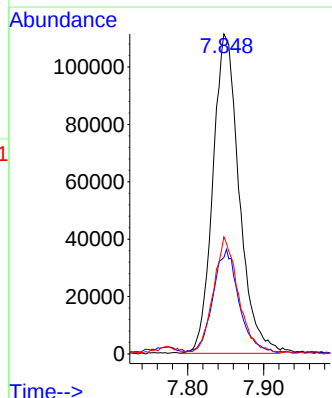
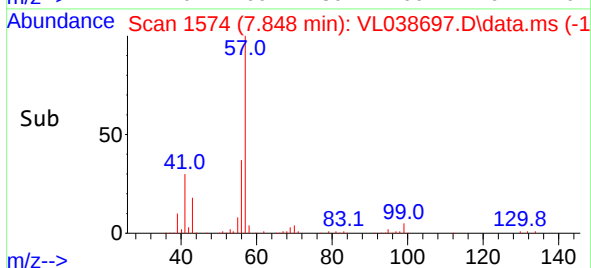
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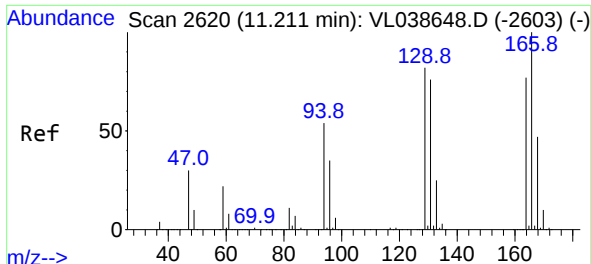


#44
2,2,4-Trimethylpentane
Concen: 0.894 ppbv
RT: 7.848 min Scan# 1574
Delta R.T. -0.013 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42



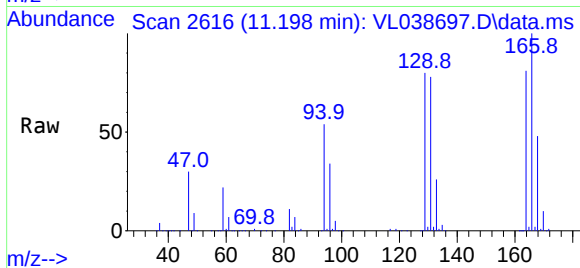
Tgt Ion: 57 Resp: 267615
Ion Ratio Lower Upper
57 100
41 33.1 23.0 34.4
56 35.8 25.3 37.9





#52
Tetrachloroethene
Concen: 7.407 ppbv
RT: 11.198 min Scan# 2166
Delta R.T. -0.013 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42

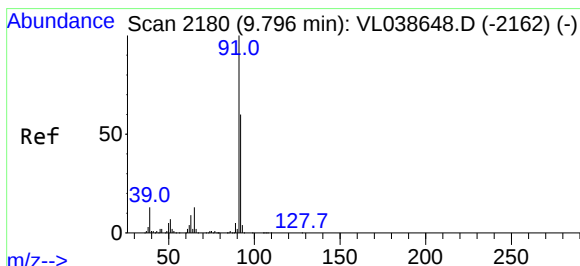
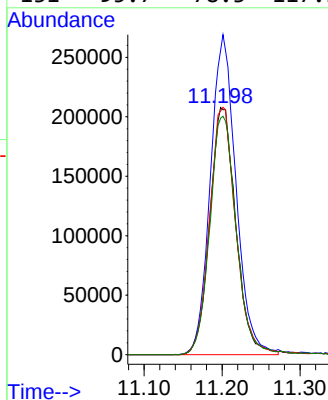
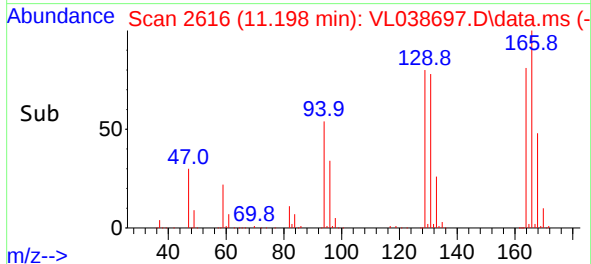
Instrument :
MSVOA_L
ClientSampleId :
COP78DL



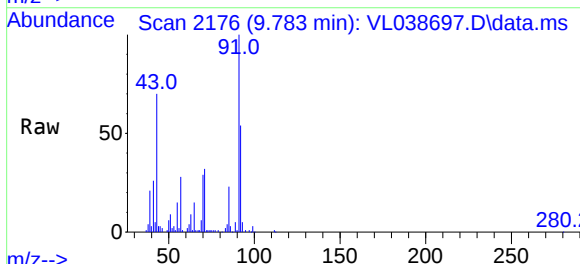
Tgt Ion:164 Resp: 48334
Ion Ratio Lower Upper
164 100
166 123.0 103.3 154.9
129 98.6 85.2 127.8
131 95.7 78.3 117.5

Manual Integrations
APPROVED

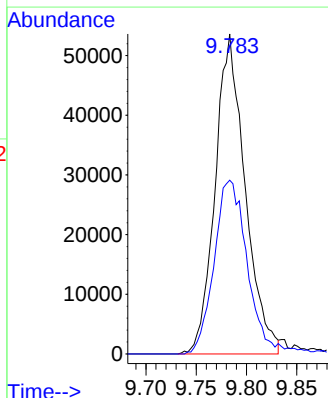
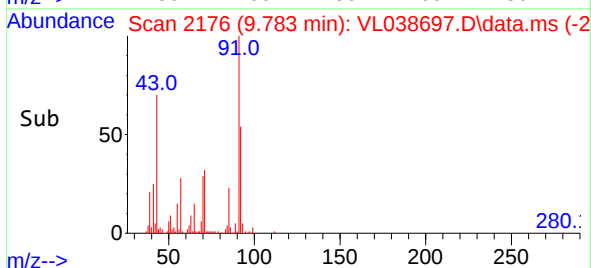
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

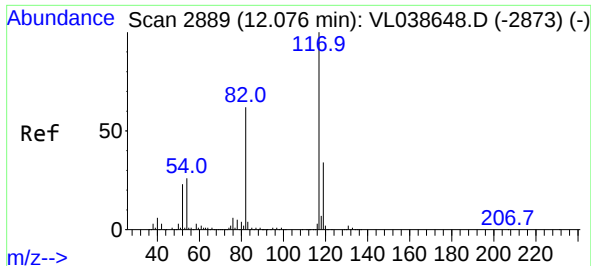


#53
Toluene
Concen: 0.580 ppbv
RT: 9.783 min Scan# 2176
Delta R.T. -0.013 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42



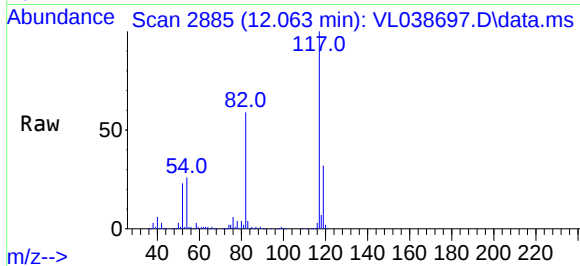
Tgt Ion: 91 Resp: 111106
Ion Ratio Lower Upper
91 100
92 61.3 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42

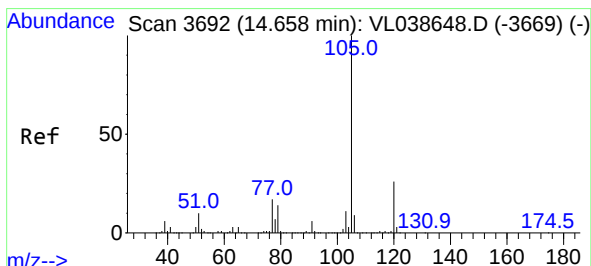
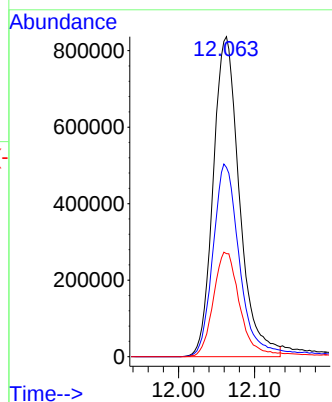
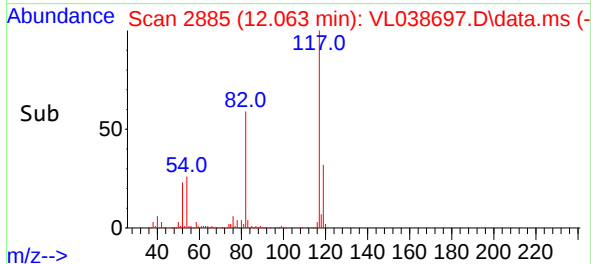
Instrument :
MSVOA_L
ClientSampleId :
COP78DL



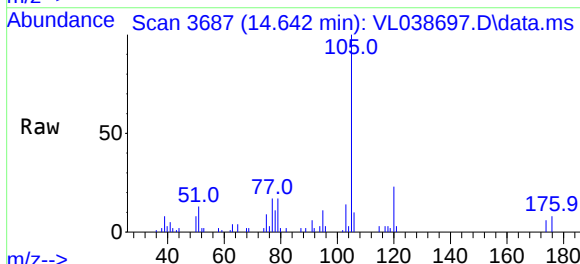
Tgt Ion:117 Resp: 2006750
Ion Ratio Lower Upper
117 100
82 63.6 51.6 77.4
119 35.0 26.9 40.3

Manual Integrations
APPROVED

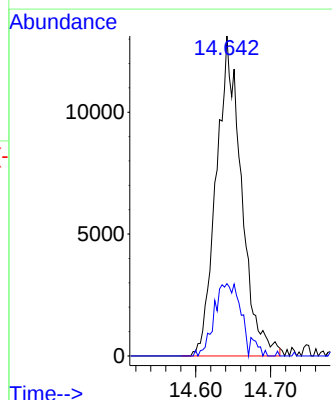
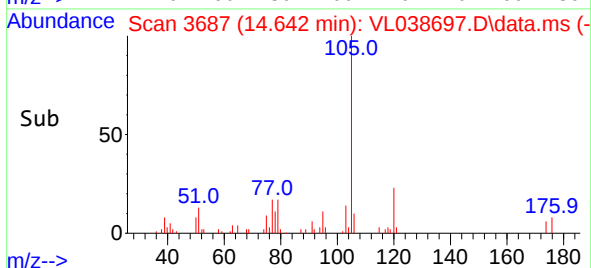
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

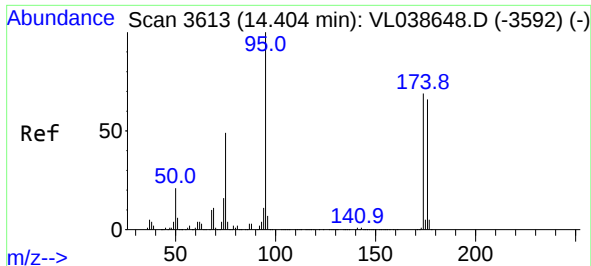


#62
Isopropylbenzene
Concen: 0.105 ppbv m
RT: 14.642 min Scan# 3687
Delta R.T. -0.016 min
Lab File: VL038697.D
Acq: 22 Mar 2022 23:42



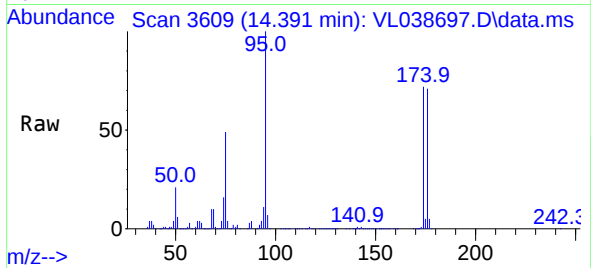
Tgt Ion:105 Resp: 30645
Ion Ratio Lower Upper
105 100
120 25.1 21.2 31.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.425 ppbv
 RT: 14.391 min Scan# 30
 Delta R.T. -0.013 min
 Lab File: VL038697.D
 Acq: 22 Mar 2022 23:42

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P78DL



Tgt Ion: 95 Resp: 1450049

Ion	Ratio	Lower	Upper
95	100		
174	76.2	56.1	84.1
175	5.6	4.2	6.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

