

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038669.D
 Acq On : 22 Mar 2022 3:18
 Operator : SY/AP
 Sample : N1964-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P83

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022

Quant Time: Mar 22 04:03:31 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 22 2022

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	5.658	49	890209	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	2187970	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	1953223	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.400	95	1437430	9.599	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.047	85	31096	0.260	ppbv #	86
3) Chlorodifluoromethane	2.989	51	41028	0.436	ppbv #	88
4) Chloromethane	3.140	50	36719	0.711	ppbv	97
9) Propene	3.018	41	39358	0.867	ppbv	92
11) Trichlorofluoromethane	3.951	101	17798	0.169	ppbv	88
13) Ethanol	3.607	45	85519	17.079	ppbv	95
15) Acetone	3.845	43	375394	4.887	ppbv	89
17) tert-Butyl alcohol	4.301	59	16525	0.246	ppbv #	90
19) Isopropyl Alcohol	3.980	45	33002m	0.775	ppbv	
20) Methylene Chloride	4.340	84	750023	23.182	ppbv	96
26) Hexane	5.681	57	358780	4.144	ppbv #	40
27) Carbon Disulfide	4.549	76	13645m	0.161	ppbv	
34) 2-Butanone	5.237	43	360929	4.168	ppbv	98
35) Carbon Tetrachloride	7.005	117	4530m	0.036	ppbv	
41) Tetrahydrofuran	6.047	42	37565m	0.583	ppbv	
51) 2-Hexanone	10.137	43	21012m	0.182	ppbv	
52) Tetrachloroethene	11.208	164	13006m	0.210	ppbv	
53) Toluene	9.793	91	835309	4.604	ppbv	100

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

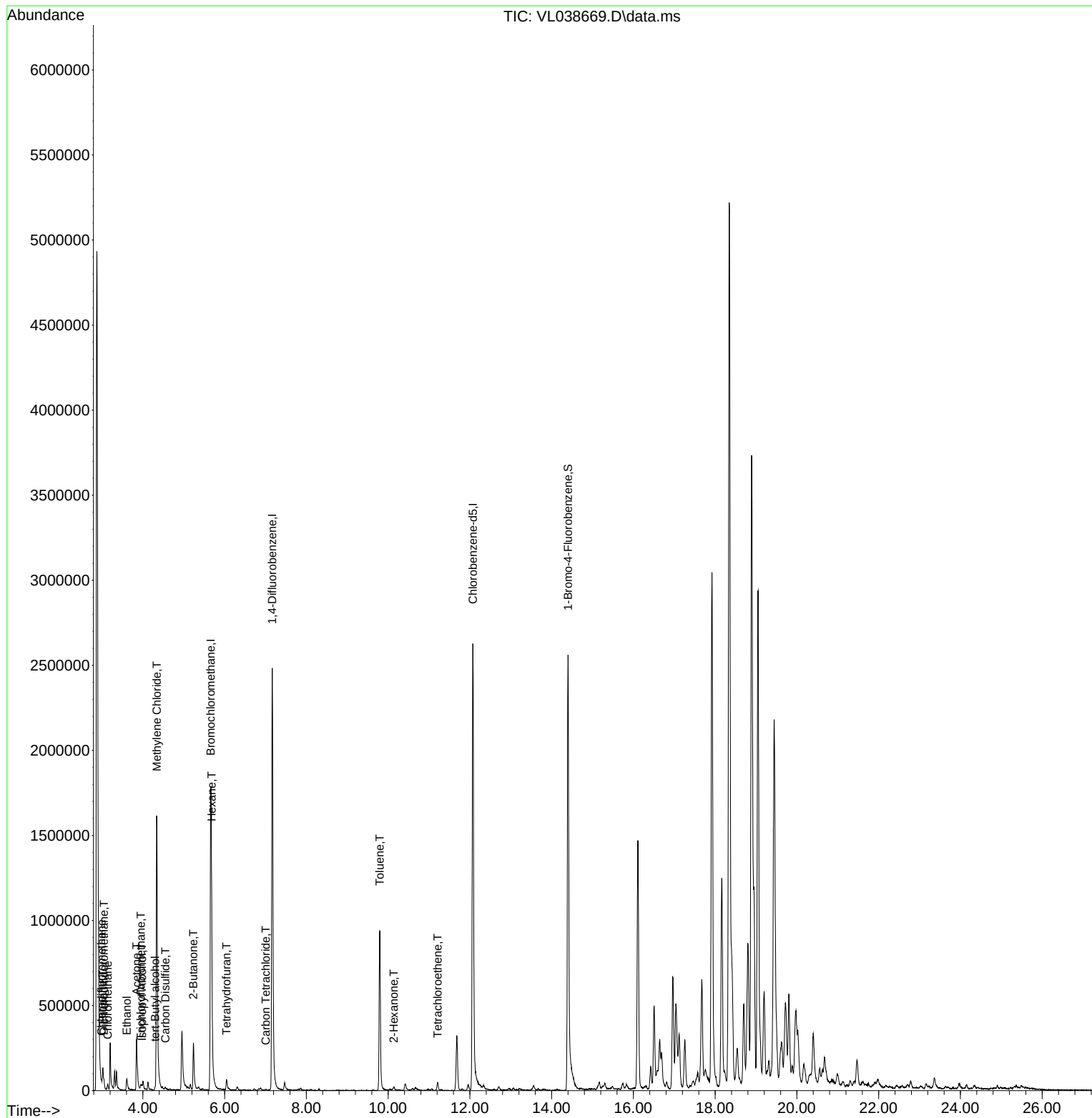
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
Data File : VL038669.D
Acq On : 22 Mar 2022 3:18
Operator : SY/AP
Sample : N1964-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

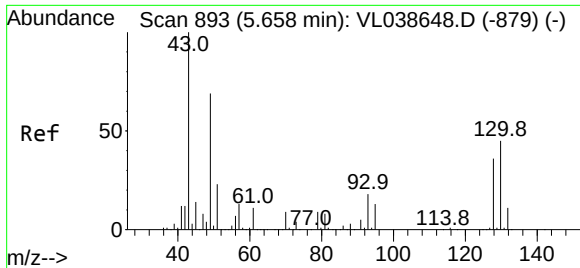
Instrument :
MSVOA_L
ClientSampleId :
C0P83

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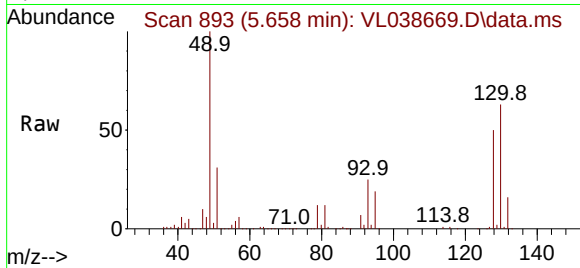
Quant Time: Mar 22 04:03:31 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 893
Delta R.T. -0.000 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

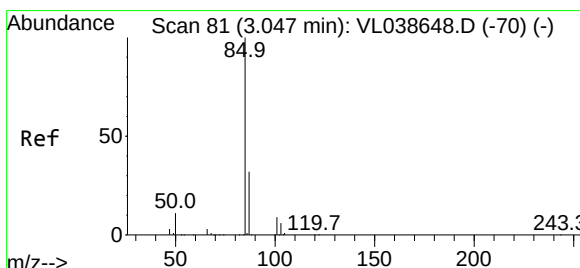
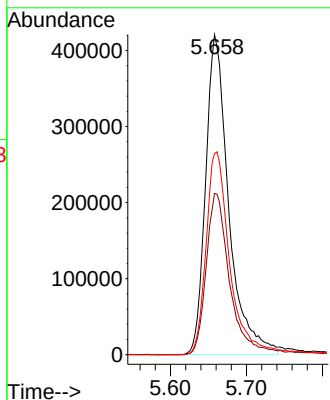
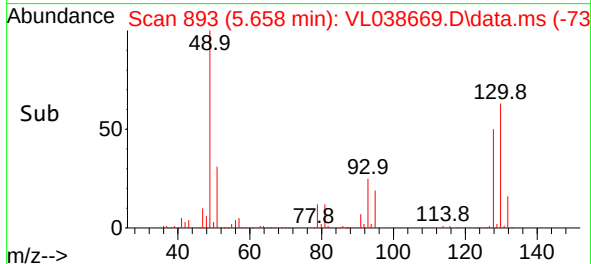
Instrument :
MSVOA_L
ClientSampleId :
COP83



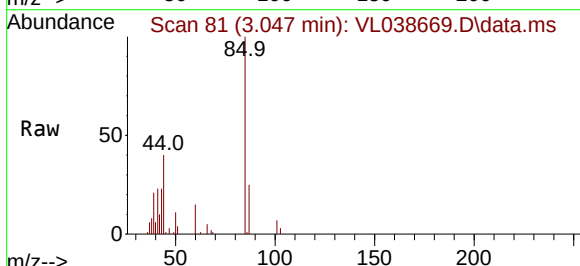
Tgt Ion: 49 Resp: 890209
Ion Ratio Lower Upper
49 100
128 52.4 26.2 78.6
130 66.8 33.7 101.1

Manual Integrations
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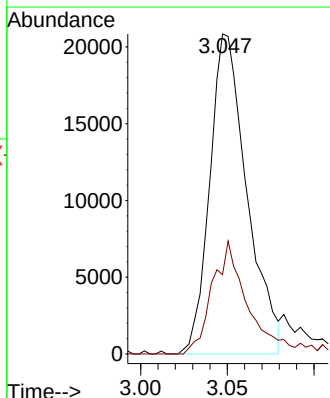
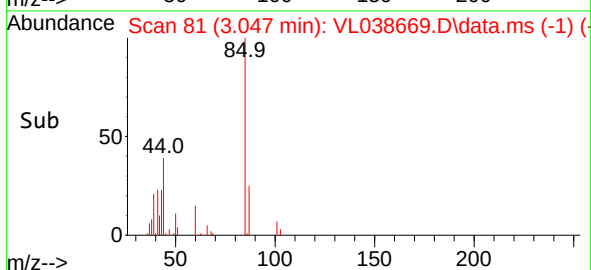
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Supervised By :Mahesh Dadoda 03/24/2022

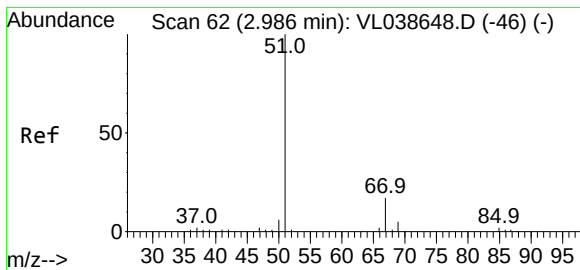


#2
Dichlorodifluoromethane
Concen: 0.260 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18



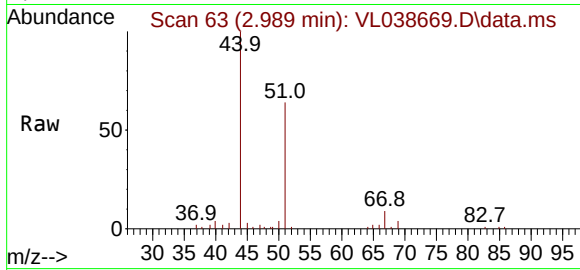
Tgt Ion: 85 Resp: 31096
Ion Ratio Lower Upper
85 100
87 24.8 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.436 ppbv
RT: 2.989 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

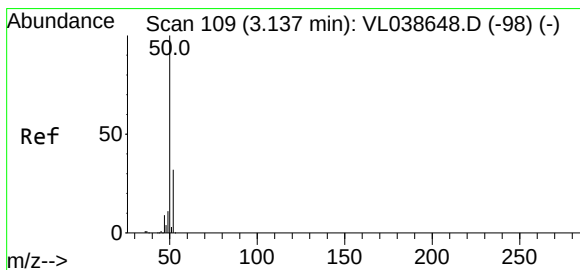
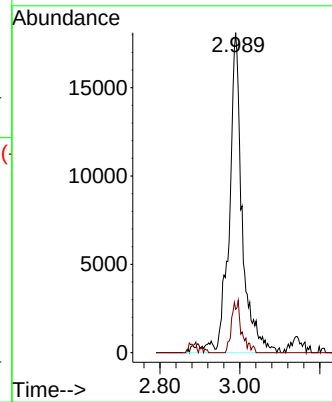
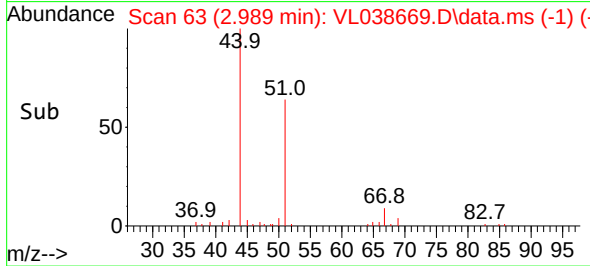
Instrument :
MSVOA_L
ClientSampleId :
COP83



Tgt Ion: 51 Resp: 41028
Ion Ratio Lower Upper
51 100
67 12.4 14.1 21.1

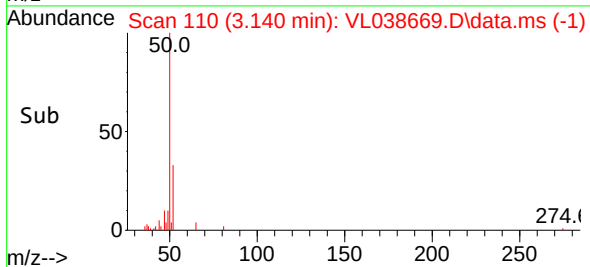
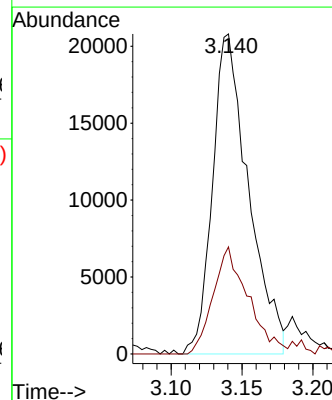
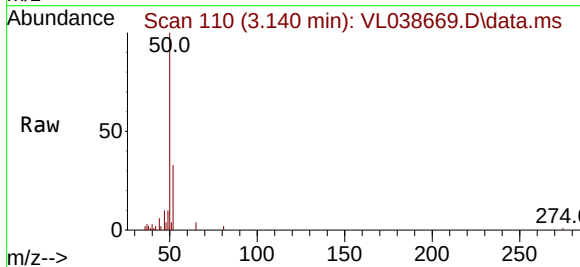
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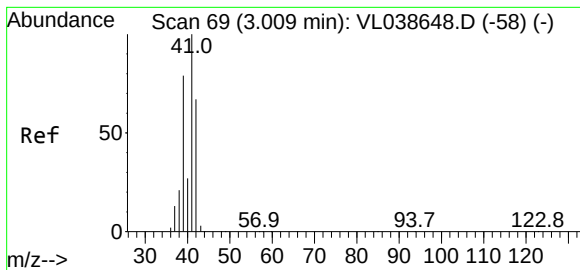
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#4
Chloromethane
Concen: 0.711 ppbv
RT: 3.140 min Scan# 110
Delta R.T. 0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

Tgt Ion: 50 Resp: 36719
Ion Ratio Lower Upper
50 100
52 33.4 25.5 38.3





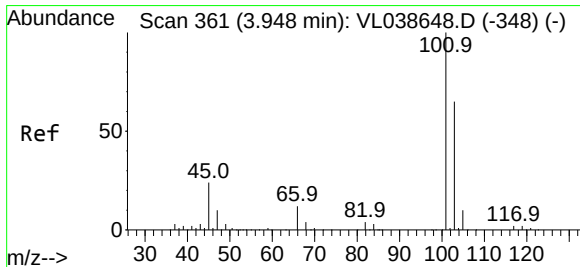
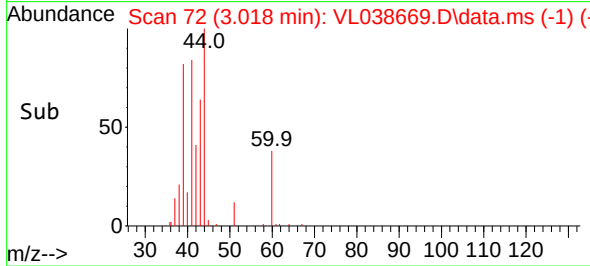
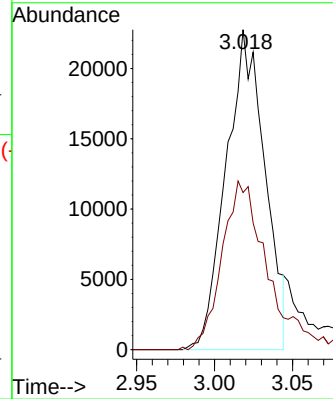
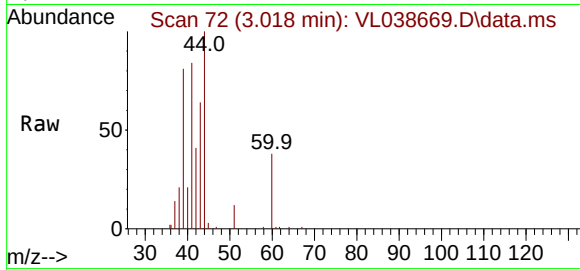
#9
Propene
Concen: 0.867 ppbv
RT: 3.018 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

Instrument :
MSVOA_L
ClientSampleId :
COP83

Tgt Ion: 41 Resp: 39358
Ion Ratio Lower Upper
41 100
42 63.5 56.2 84.4

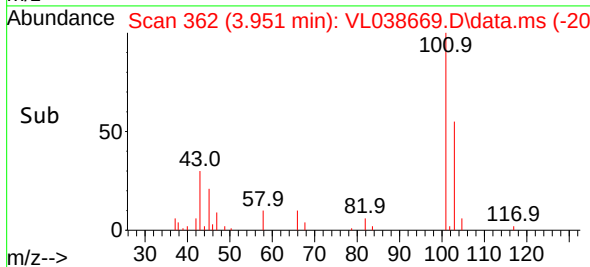
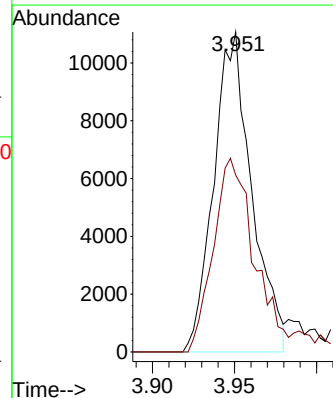
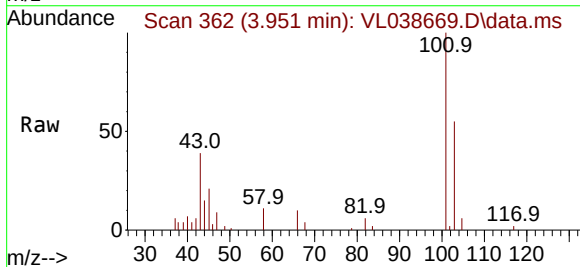
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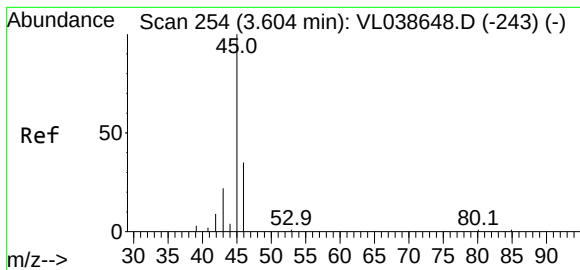
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#11
Trichlorofluoromethane
Concen: 0.169 ppbv
RT: 3.951 min Scan# 362
Delta R.T. 0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

Tgt Ion:101 Resp: 17798
Ion Ratio Lower Upper
101 100
103 55.3 51.9 77.9





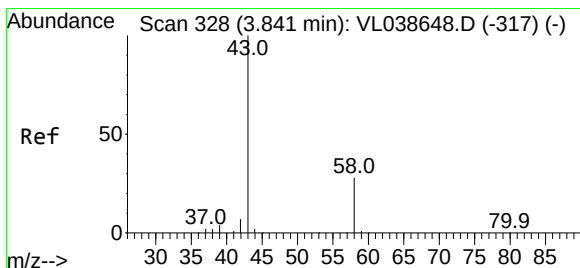
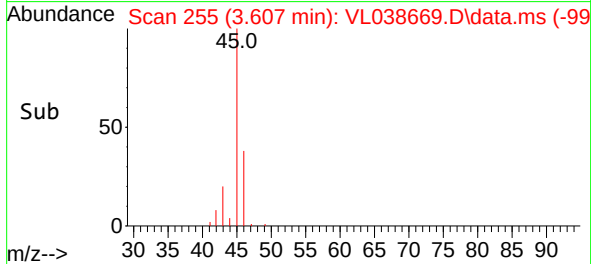
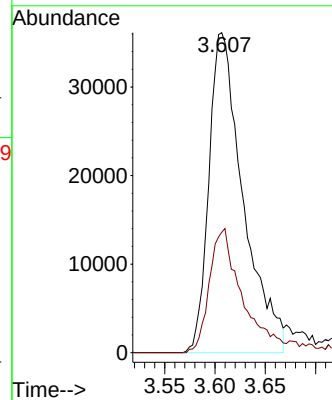
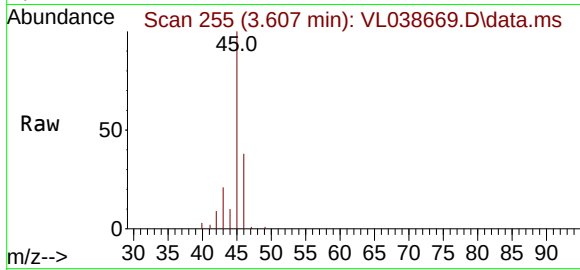
#13
Ethanol
Concen: 17.079 ppbv
RT: 3.607 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

Instrument :
MSVOA_L
ClientSampleId :
COP83

Tgt Ion: 45 Resp: 85519
Ion Ratio Lower Upper
45 100
46 40.7 15.1 60.5

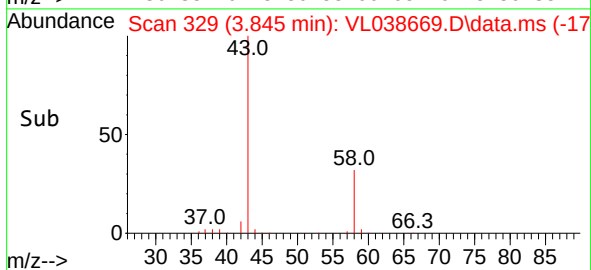
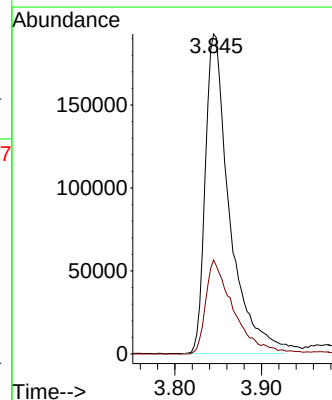
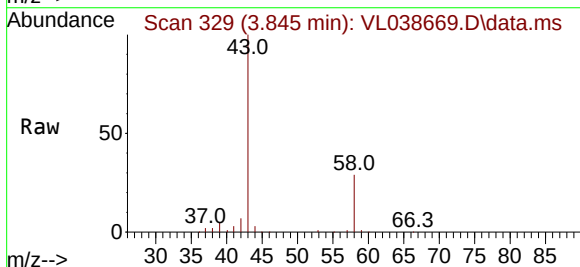
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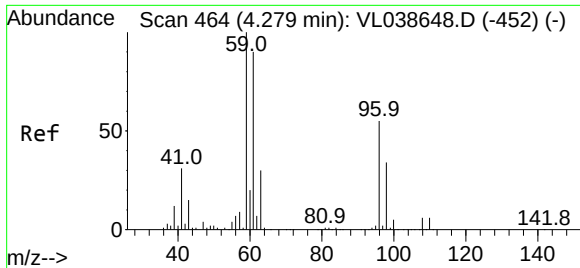
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#15
Acetone
Concen: 4.887 ppbv
RT: 3.845 min Scan# 329
Delta R.T. 0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

Tgt Ion: 43 Resp: 375394
Ion Ratio Lower Upper
43 100
58 34.8 23.3 34.9





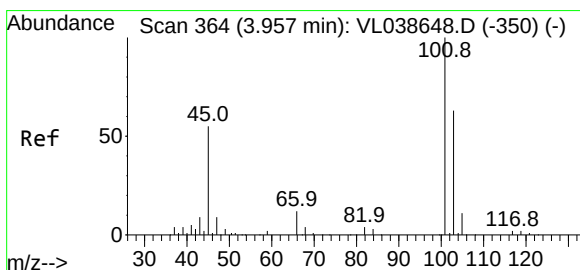
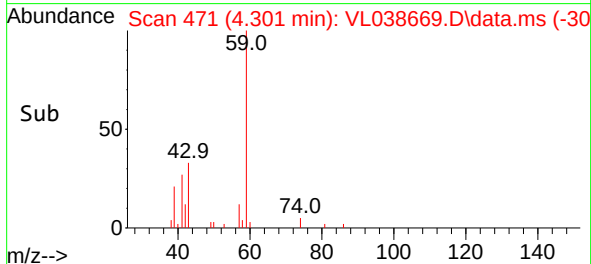
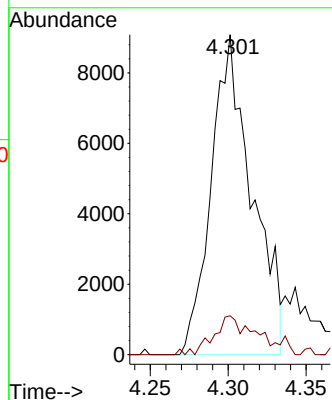
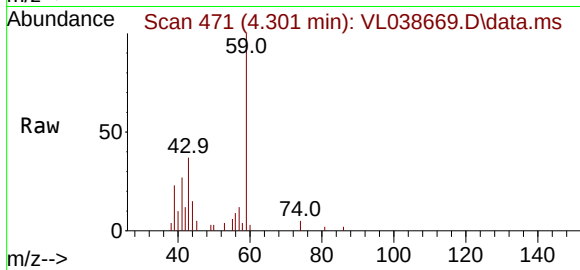
#17
tert-Butyl alcohol
Concen: 0.246 ppbv
RT: 4.301 min Scan# 41
Delta R.T. 0.022 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

Instrument :
MSVOA_L
ClientSampleId :
COP83

Tgt Ion: 59 Resp: 1652
Ion Ratio Lower Upper
59 100
57 13.9 8.2 12.2

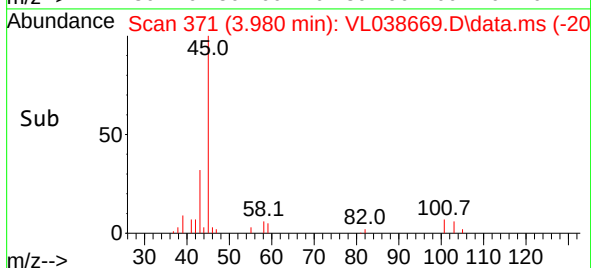
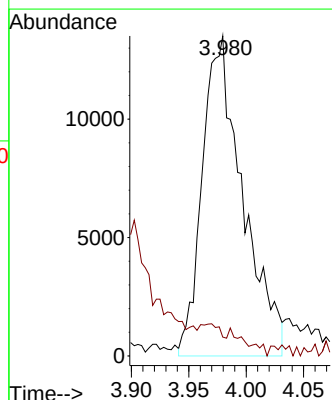
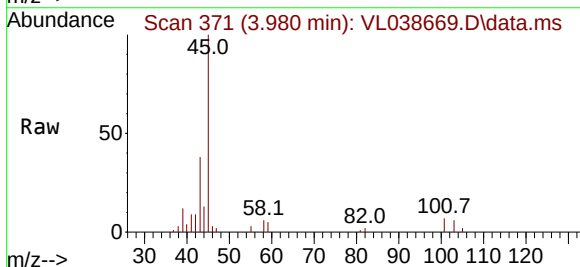
Manual Integrations
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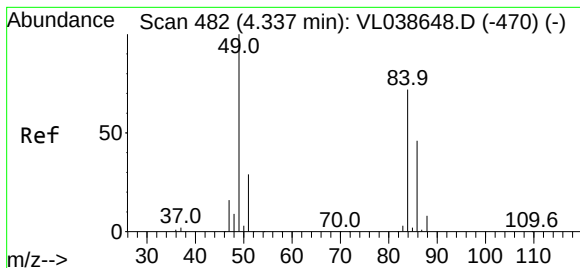
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#19
Isopropyl Alcohol
Concen: 0.775 ppbv m
RT: 3.980 min Scan# 371
Delta R.T. 0.022 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

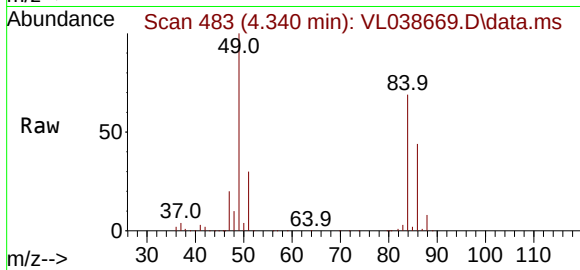
Tgt Ion: 45 Resp: 33002
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5





#20
Methylene Chloride
Concen: 23.182 ppbv
RT: 4.340 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

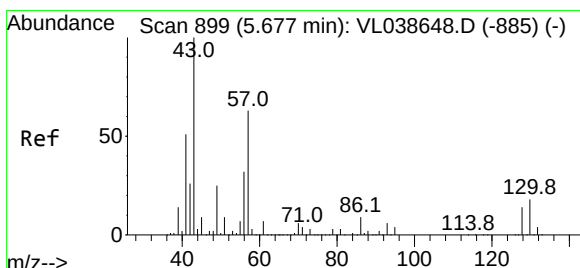
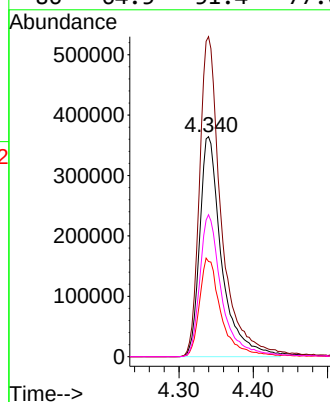
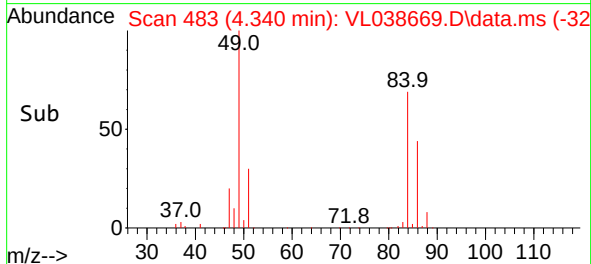
Instrument :
MSVOA_L
ClientSampleId :
COP83



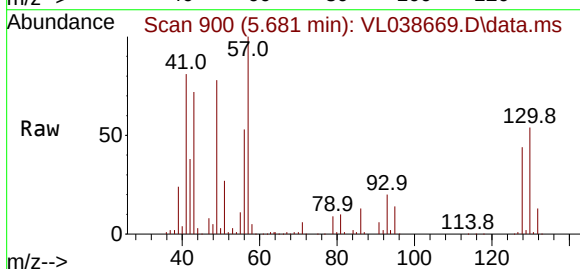
Tgt Ion:	84	Resp:	75002
Ion	Ratio	Lower	Upper
84	100		
49	145.4	111.2	166.8
51	43.3	32.8	49.2
86	64.5	51.4	77.0

Manual Integrations
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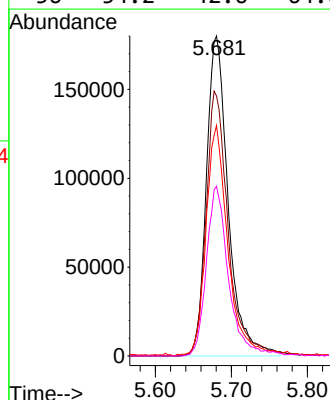
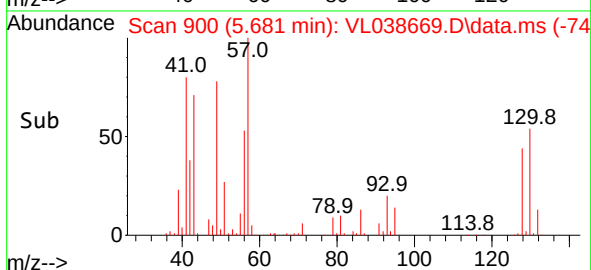
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

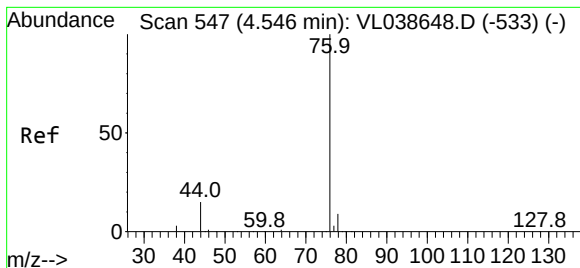


#26
Hexane
Concen: 4.144 ppbv
RT: 5.681 min Scan# 900
Delta R.T. 0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18



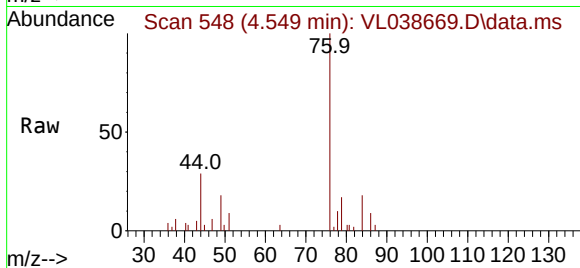
Tgt Ion:	57	Resp:	358780
Ion	Ratio	Lower	Upper
57	100		
41	85.1	67.0	100.4
43	73.1	184.2	276.2#
56	54.2	42.6	64.0





#27
Carbon Disulfide
Concen: 0.161 ppbv m
RT: 4.549 min Scan# 547
Delta R.T. 0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

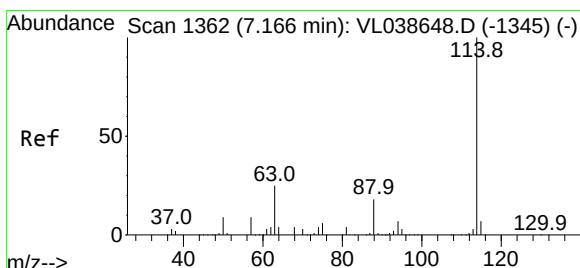
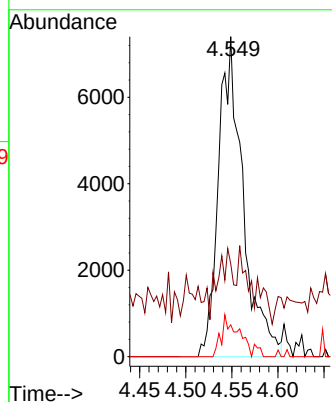
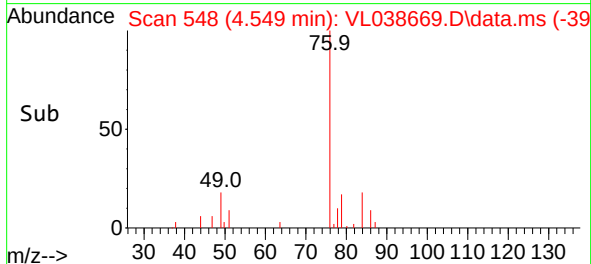
Instrument :
MSVOA_L
ClientSampleId :
COP83



Tgt Ion: 76 Resp: 13645
Ion Ratio Lower Upper
76 100
44 19.0 12.4 18.6
78 0.0 7.8 11.8

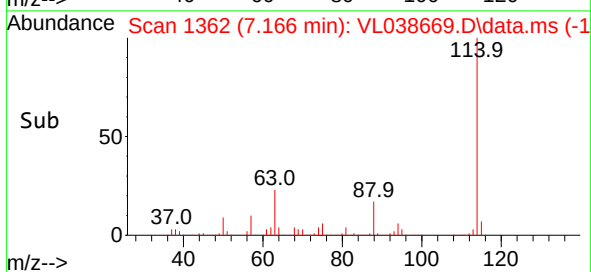
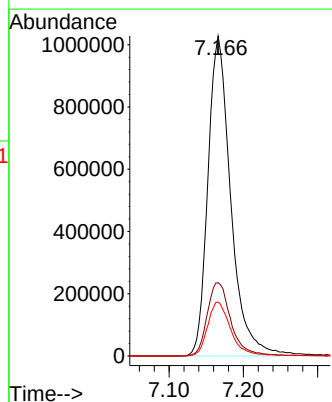
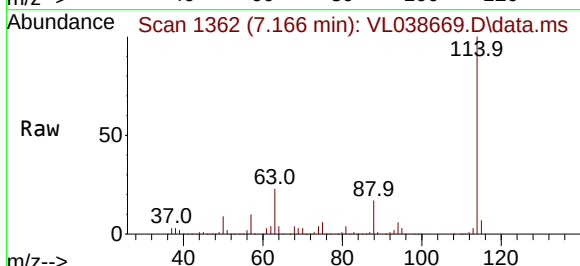
Manual Integrations
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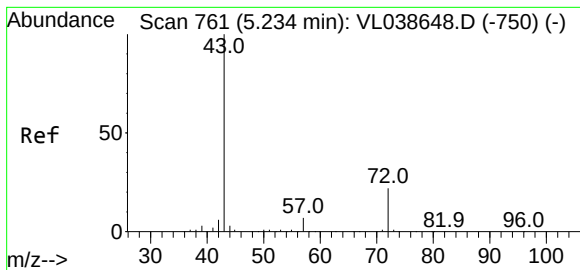
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

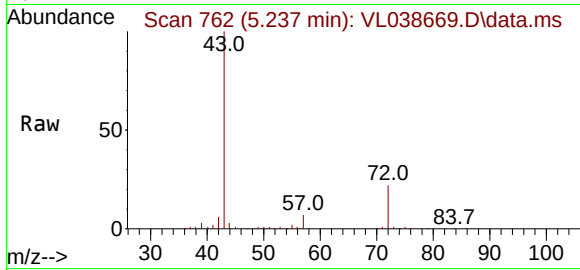
Tgt Ion:114 Resp: 2187970
Ion Ratio Lower Upper
114 100
63 24.0 19.4 29.0
88 17.3 13.9 20.9





#34
2-Butanone
Concen: 4.168 ppbv
RT: 5.237 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

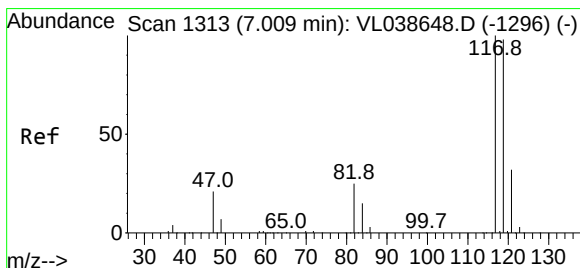
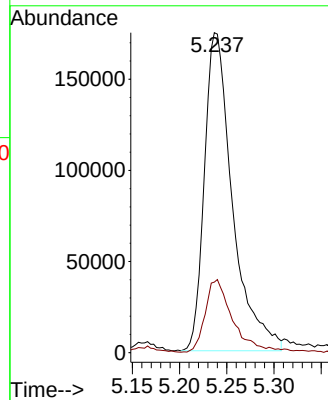
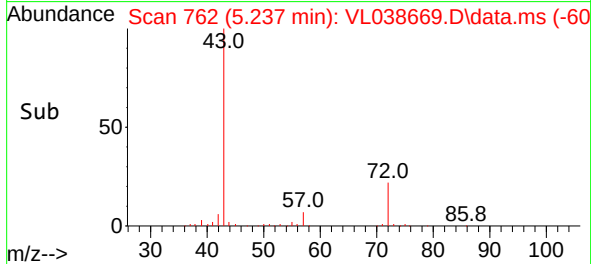
Instrument :
MSVOA_L
ClientSampleId :
COP83



Tgt Ion: 43 Resp: 360929
Ion Ratio Lower Upper
43 100
72 23.3 17.8 26.8

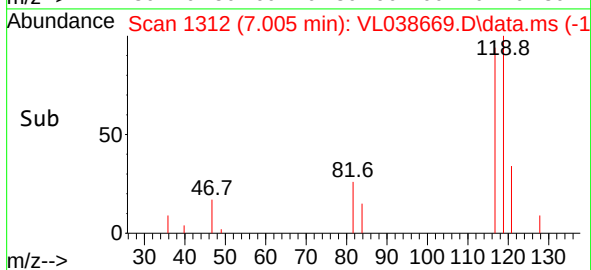
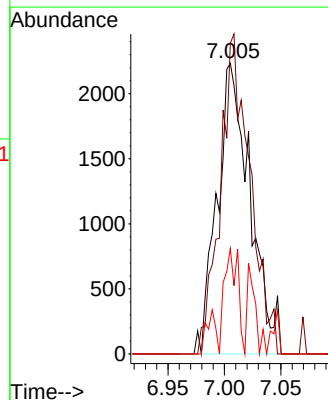
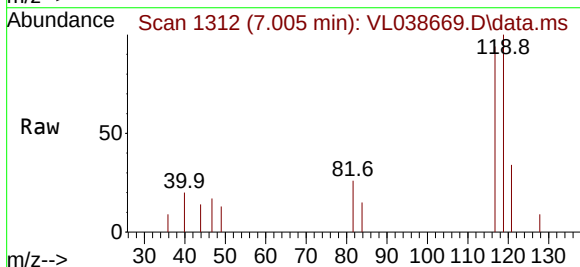
Manual Integrations
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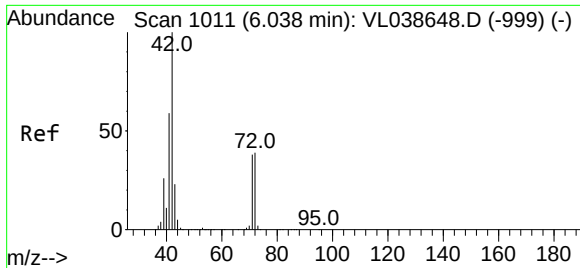
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#35
Carbon Tetrachloride
Concen: 0.036 ppbv m
RT: 7.005 min Scan# 1312
Delta R.T. -0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

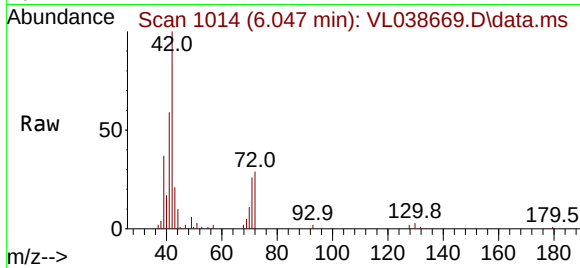
Tgt Ion:117 Resp: 4530
Ion Ratio Lower Upper
117 100
119 106.9 78.1 117.1
121 36.3 25.8 38.6





#41
Tetrahydrofuran
Concen: 0.583 ppbv m
RT: 6.047 min Scan# 1011
Delta R.T. 0.010 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

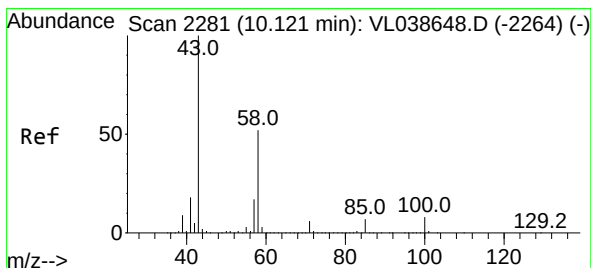
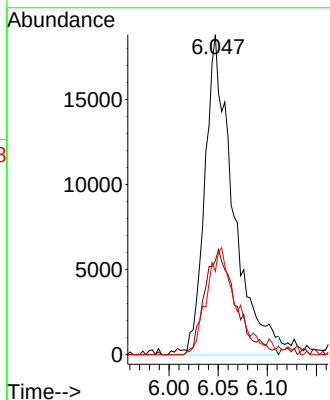
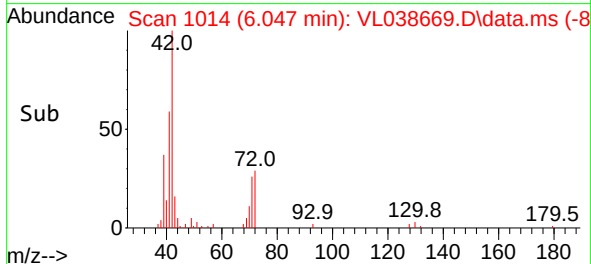
Instrument :
MSVOA_L
ClientSampleId :
COP83



Tgt Ion: 42 Resp: 3756
Ion Ratio Lower Upper
42 100
72 0.0 32.5 48.7
71 0.0 31.4 47.2

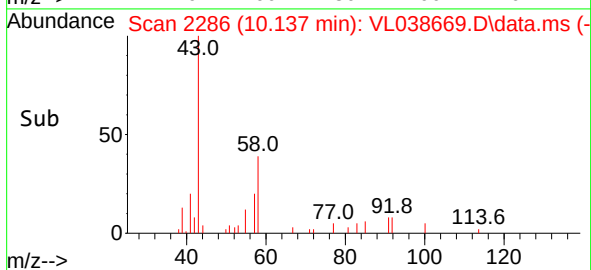
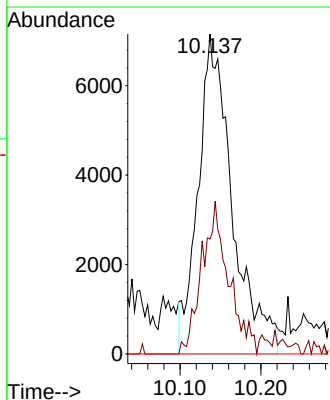
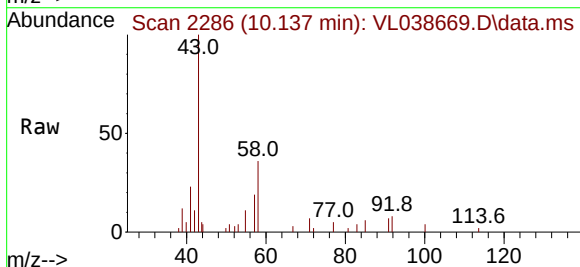
Manual Integrations
APPROVED

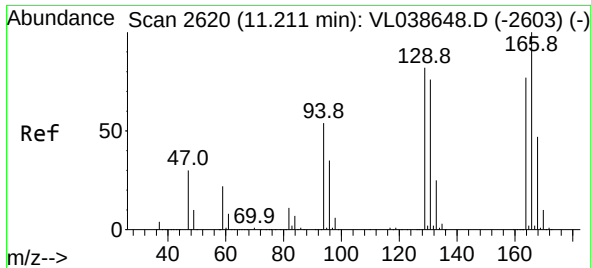
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#51
2-Hexanone
Concen: 0.182 ppbv m
RT: 10.137 min Scan# 2286
Delta R.T. 0.016 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

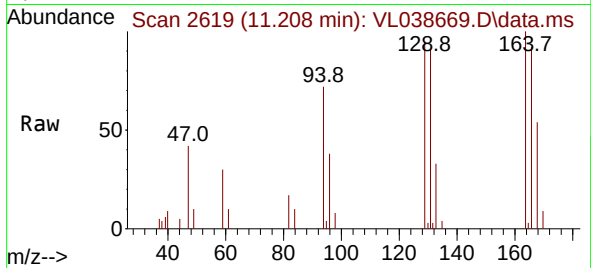
Tgt Ion: 43 Resp: 21012
Ion Ratio Lower Upper
43 100
58 0.0 41.2 61.8#
98 0.0 0.2 0.4#





#52
Tetrachloroethene
Concen: 0.210 ppbv m
RT: 11.208 min Scan# 2119
Delta R.T. -0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

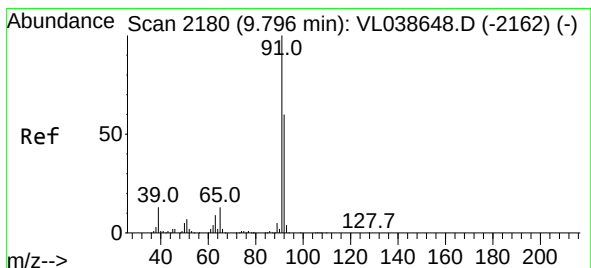
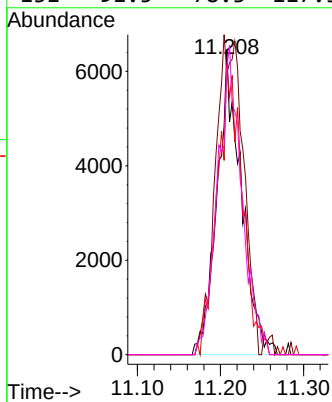
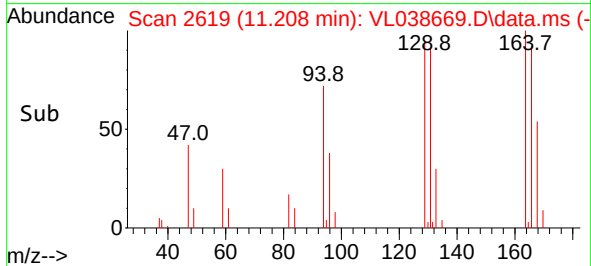
Instrument :
MSVOA_L
ClientSampleId :
COP83



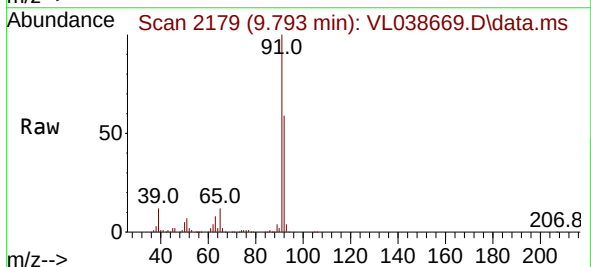
Tgt Ion:164 Resp: 13000
Ion Ratio Lower Upper
164 100
166 92.2 103.3 154.9
129 95.0 85.2 127.8
131 91.5 78.3 117.5

Manual Integrations
APPROVED

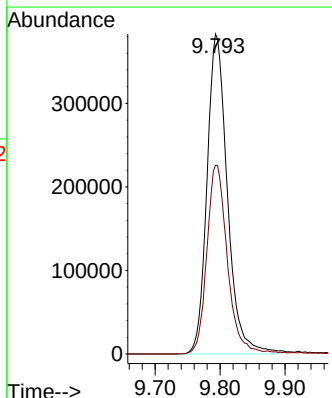
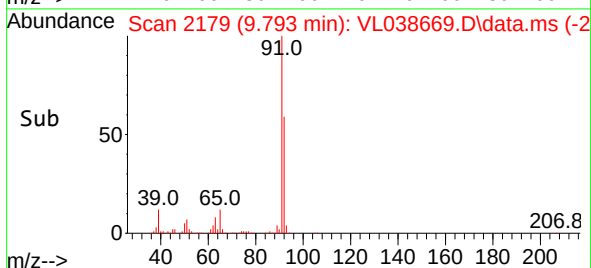
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

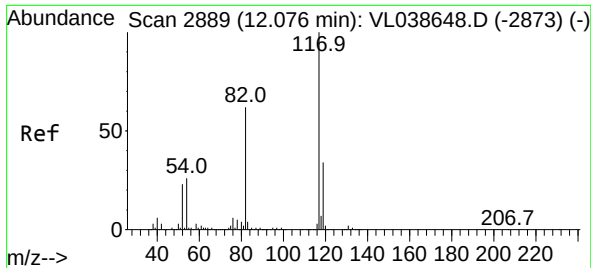


#53
Toluene
Concen: 4.604 ppbv
RT: 9.793 min Scan# 2179
Delta R.T. -0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18



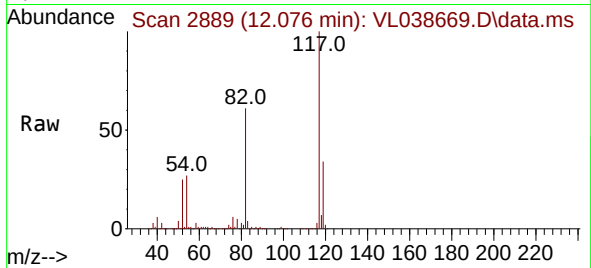
Tgt Ion: 91 Resp: 835309
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.000 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

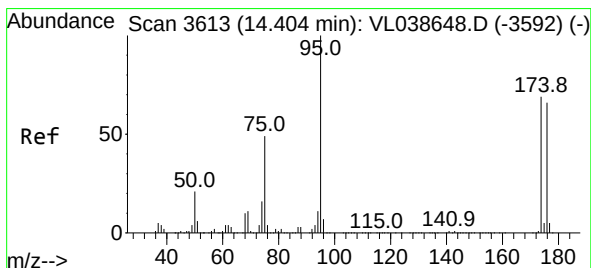
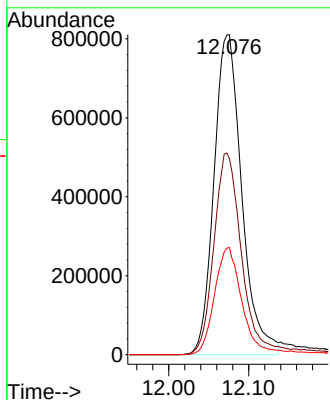
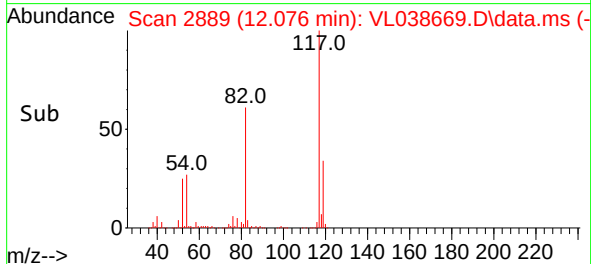
Instrument :
MSVOA_L
ClientSampleId :
COP83



Tgt Ion: 117 Resp: 195322
Ion Ratio Lower Upper
117 100
82 66.8 51.6 77.4
119 35.0 26.9 40.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.599 ppbv
RT: 14.400 min Scan# 3612
Delta R.T. -0.003 min
Lab File: VL038669.D
Acq: 22 Mar 2022 3:18

Tgt Ion: 95 Resp: 1437430
Ion Ratio Lower Upper
95 100
174 72.9 56.1 84.1
175 5.1 4.2 6.2

