

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039352.D
 Acq On : 24 Jun 2022 22:26
 Operator : SY/AP
 Sample : N3453-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 01:53:41 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	1113464	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.166	114	3083446	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.076	117	2668834	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	2014414	9.130	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.051	85	48159	0.246	ppbv	98
3) Chlorodifluoromethane	2.989	51	71026	0.501	ppbv	92
4) Chloromethane	3.144	50	39342	0.541	ppbv	100
9) Propene	3.018	41	42869	0.694	ppbv	89
11) Trichlorofluoromethane	3.951	101	39897m	0.225	ppbv	
13) Ethanol	3.591	45	945701	280.709	ppbv #	100
15) Acetone	3.842	43	2707811	23.346	ppbv	97
17) tert-Butyl alcohol	4.295	59	17099m	0.190	ppbv	
19) Isopropyl Alcohol	3.960	45	798554	14.679	ppbv #	95
20) Methylene Chloride	4.343	84	103002	2.107	ppbv	88
26) Hexane	5.684	57	92332m	0.804	ppbv	
34) 2-Butanone	5.243	43	118656m	0.708	ppbv	
35) Carbon Tetrachloride	7.018	117	12496m	0.056	ppbv	
36) Benzene	6.880	78	32429m	0.130	ppbv	
38) Trichloroethene	7.832	130	25060m	0.218	ppbv	
53) Toluene	9.799	91	104731	0.363	ppbv	94
59) m/p-Xylene	12.957	91	39204m	0.121	ppbv	

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

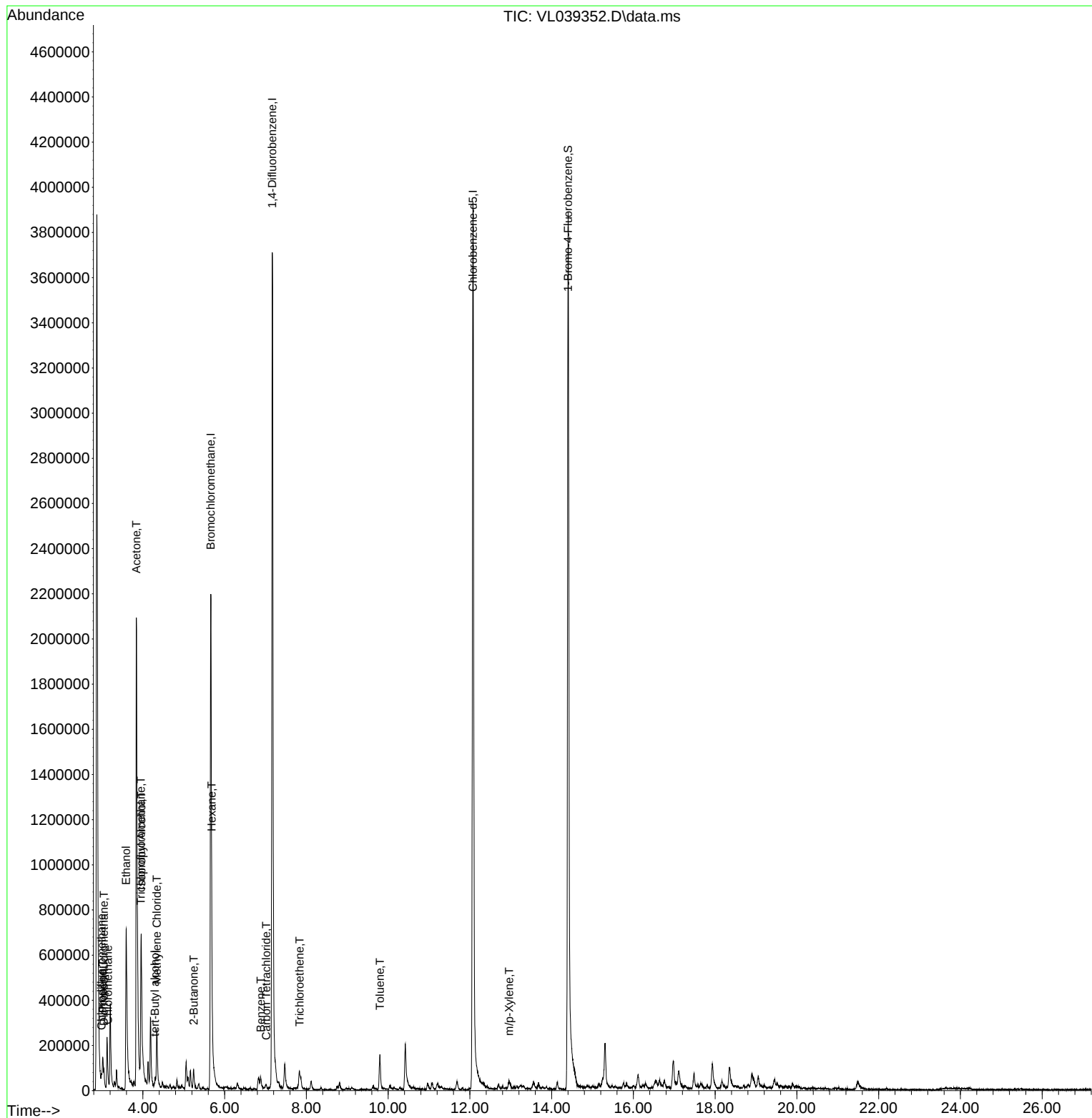
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
Data File : VL039352.D
Acq On : 24 Jun 2022 22:26
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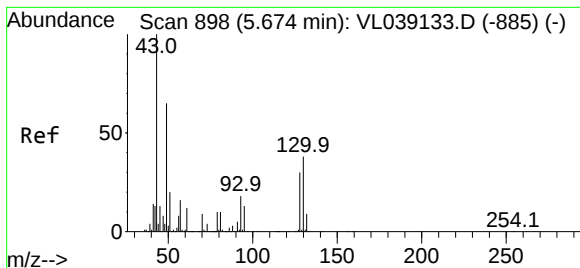
Instrument :
MSVOA_L
ClientSampleId :
IA-3

Quant Time: Jun 27 01:53:41 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

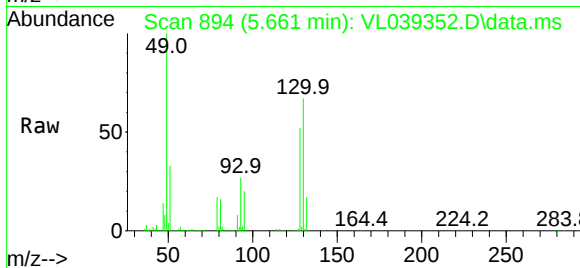
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

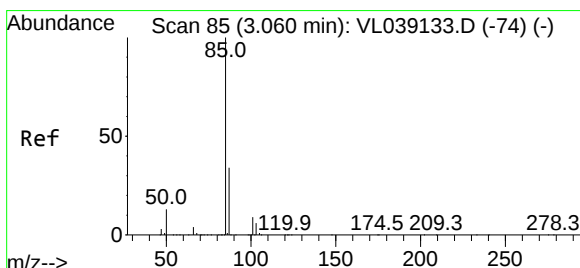
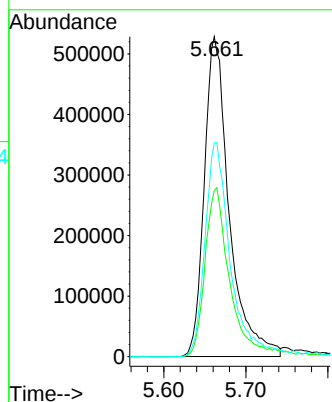
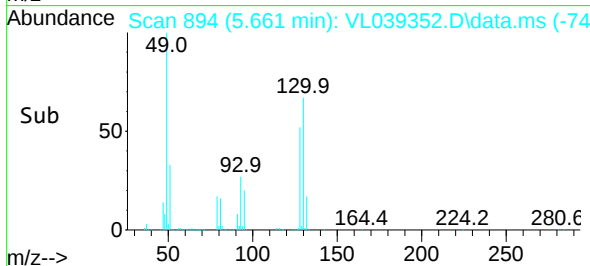
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion: 49 Resp: 111346
Ion Ratio Lower Upper
49 100
128 54.3 24.7 74.1
130 70.7 31.4 94.0

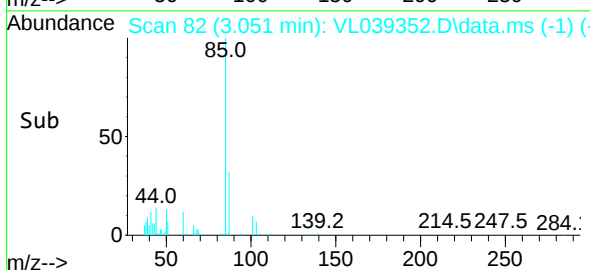
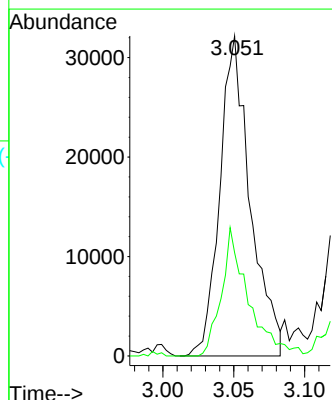
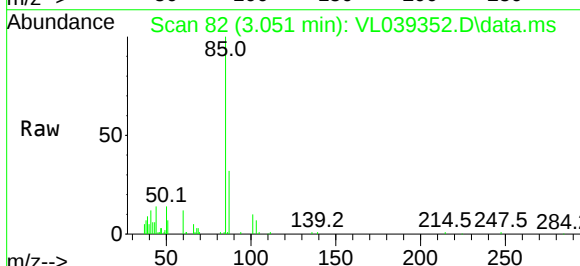
Manual Integrations
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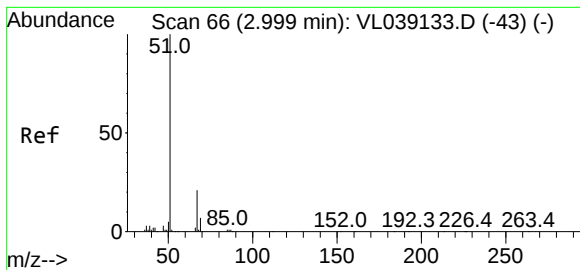
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 0.246 ppbv
RT: 3.051 min Scan# 82
Delta R.T. -0.010 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

Tgt Ion: 85 Resp: 48159
Ion Ratio Lower Upper
85 100
87 32.3 26.9 40.3





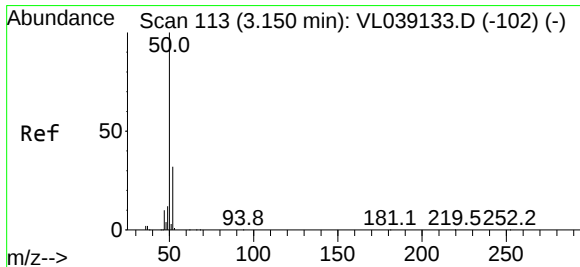
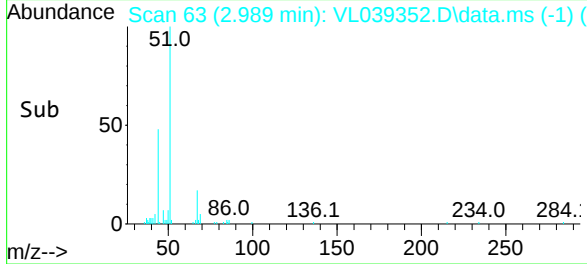
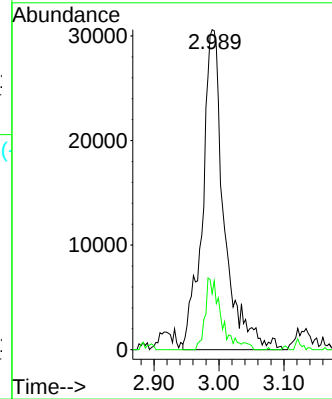
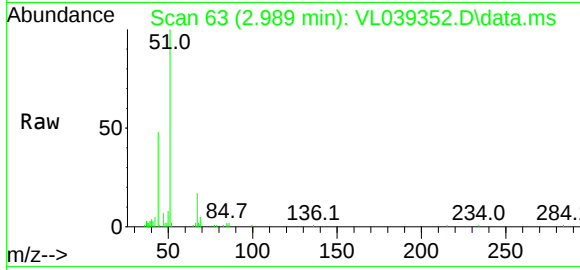
#3
Chlorodifluoromethane
Concen: 0.501 ppbv
RT: 2.989 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 51 Resp: 71020
Ion Ratio Lower Upper
51 100
67 16.7 16.2 24.4

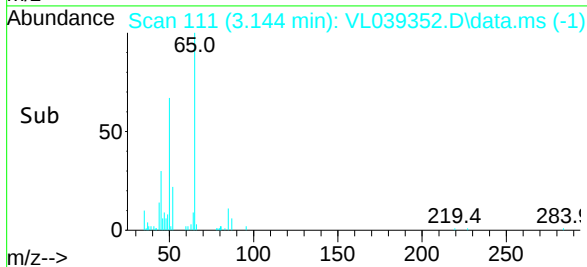
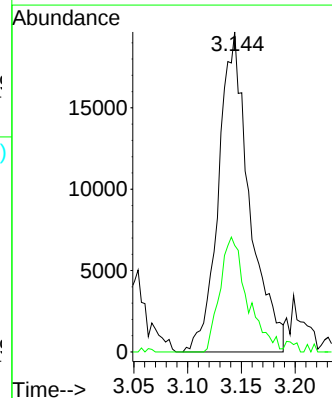
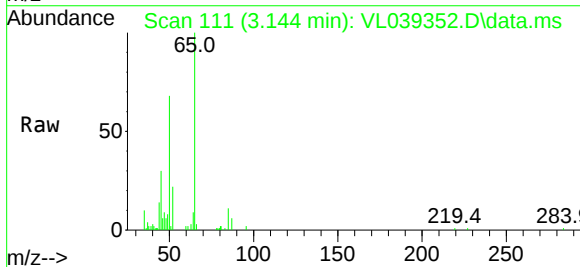
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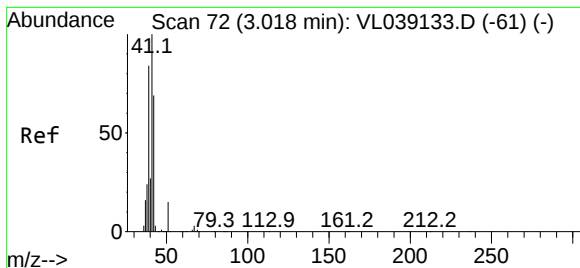
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#4
Chloromethane
Concen: 0.541 ppbv
RT: 3.144 min Scan# 111
Delta R.T. -0.006 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

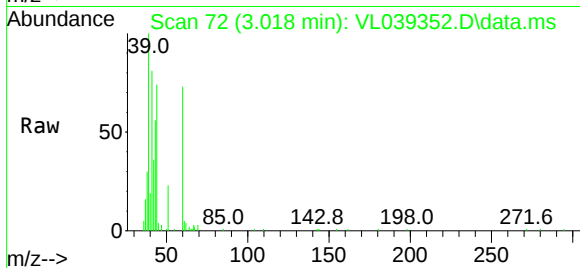
Tgt Ion: 50 Resp: 39342
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9





#9
 Propene
 Concen: 0.694 ppbv
 RT: 3.018 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL039352.D
 Acq: 24 Jun 2022 22:26

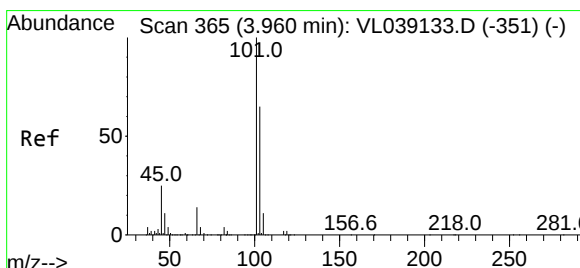
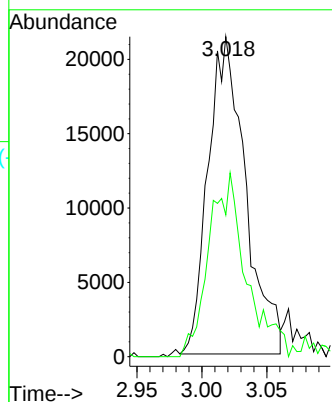
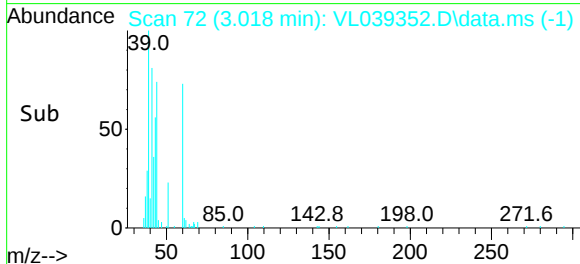
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3



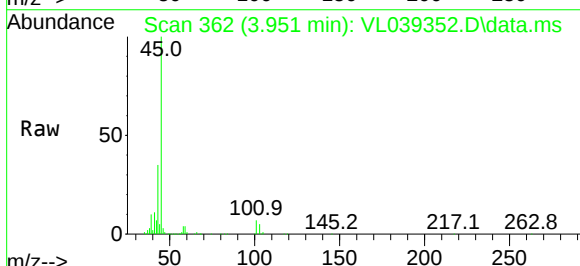
Tgt Ion: 41 Resp: 42869
 Ion Ratio Lower Upper
 41 100
 42 60.5 55.4 83.2

Manual Integrations
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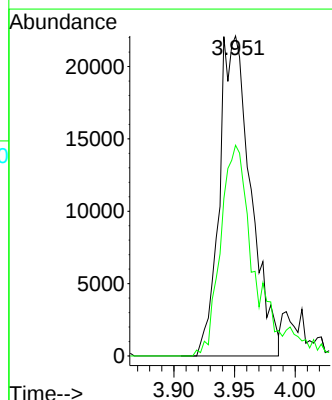
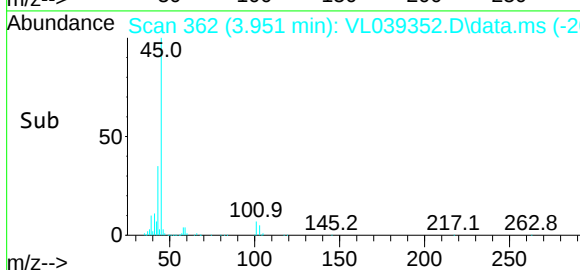
Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022

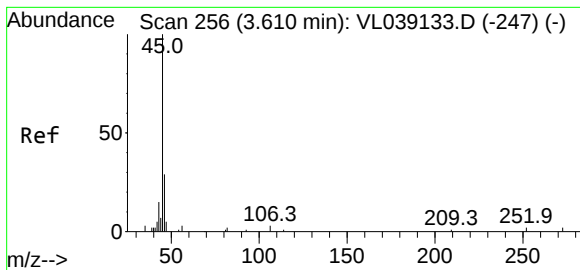


#11
 Trichlorofluoromethane
 Concen: 0.225 ppbv m
 RT: 3.951 min Scan# 362
 Delta R.T. -0.010 min
 Lab File: VL039352.D
 Acq: 24 Jun 2022 22:26



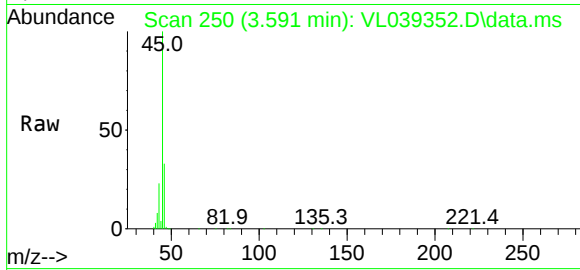
Tgt Ion:101 Resp: 39897
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.7 77.5





#13
Ethanol
Concen: 280.709 ppbv
RT: 3.591 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

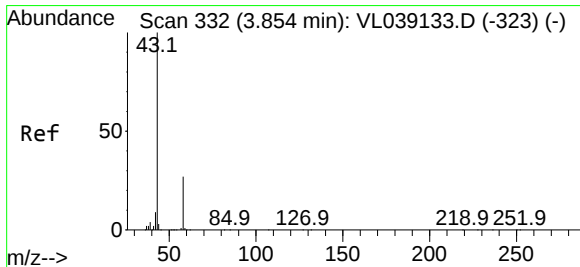
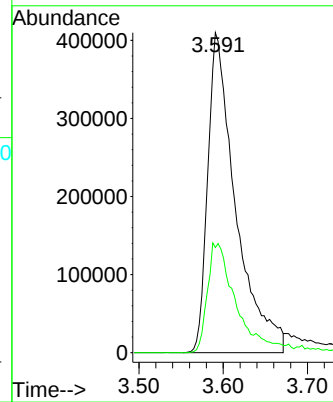
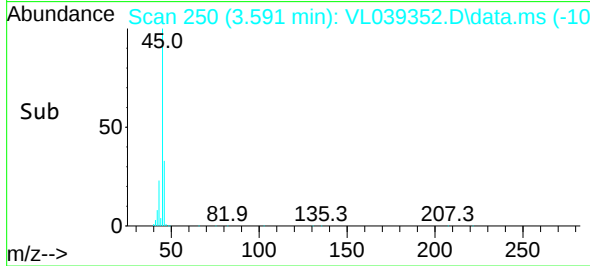
Instrument :
MSVOA_L
ClientSampleId :
IA-3



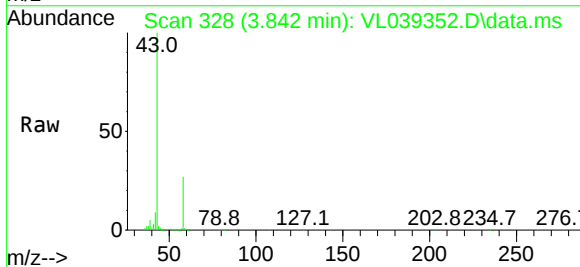
Tgt Ion: 45 Resp: 94570
Ion Ratio Lower Upper
45 100
46 37.7 0.0 0.0

Manual Integrations
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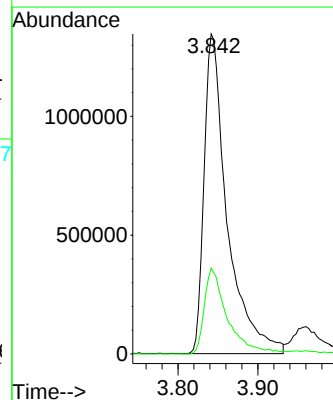
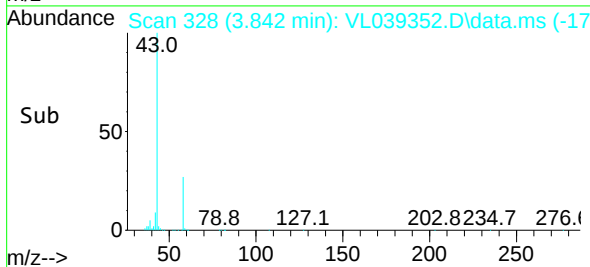
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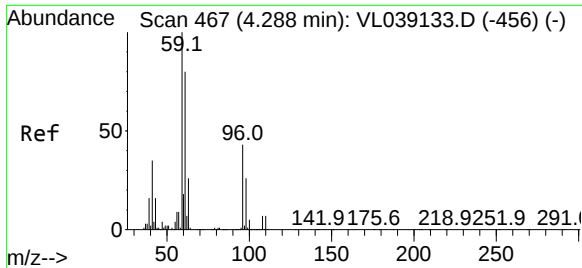


#15
Acetone
Concen: 23.346 ppbv
RT: 3.842 min Scan# 328
Delta R.T. -0.013 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26



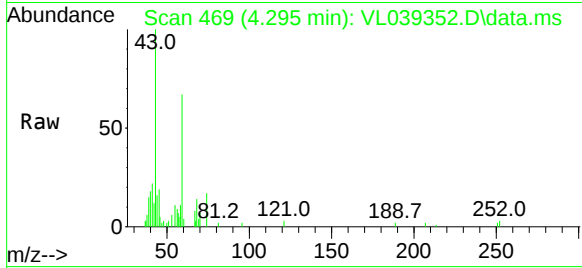
Tgt Ion: 43 Resp: 2707811
Ion Ratio Lower Upper
43 100
58 26.7 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.190 ppbv m
RT: 4.295 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

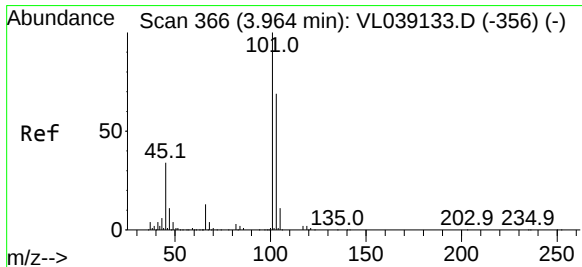
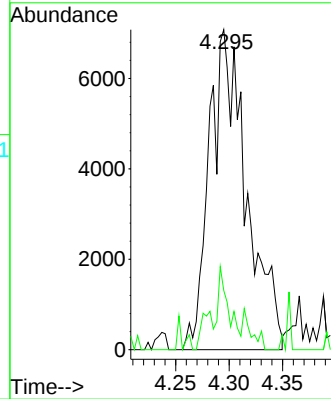
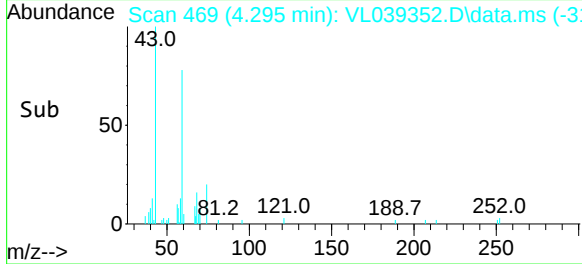
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion: 59 Resp: 17095
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

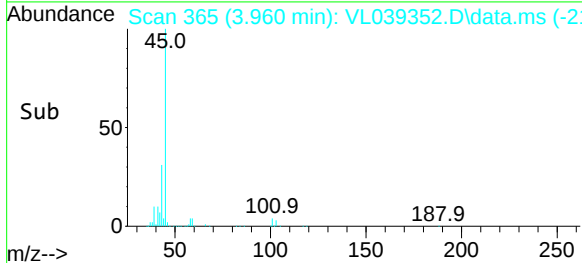
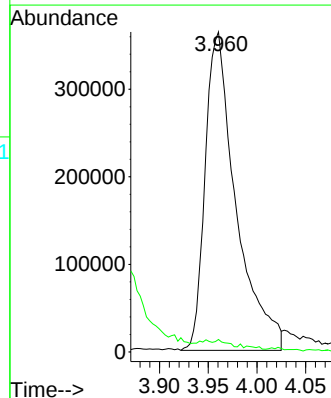
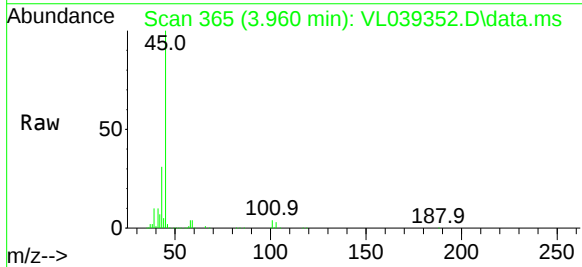
Manual Integrations
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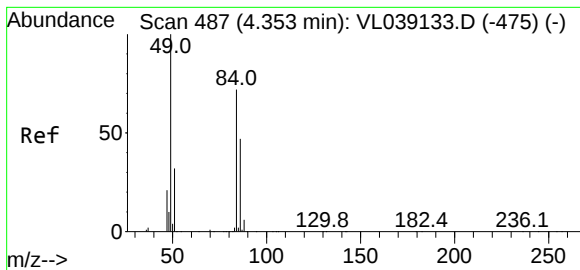
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#19
Isopropyl Alcohol
Concen: 14.679 ppbv
RT: 3.960 min Scan# 365
Delta R.T. -0.003 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

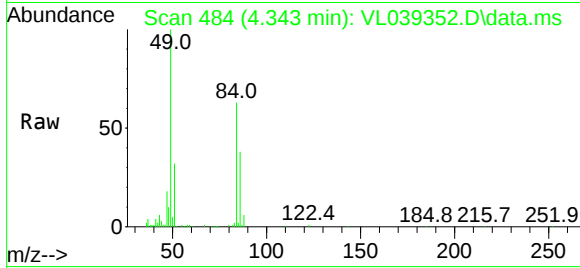
Tgt Ion: 45 Resp: 798554
Ion Ratio Lower Upper
45 100
58 4.1 1.8 2.8





#20
Methylene Chloride
Concen: 2.107 ppbv
RT: 4.343 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

Instrument :
MSVOA_L
ClientSampleId :
IA-3

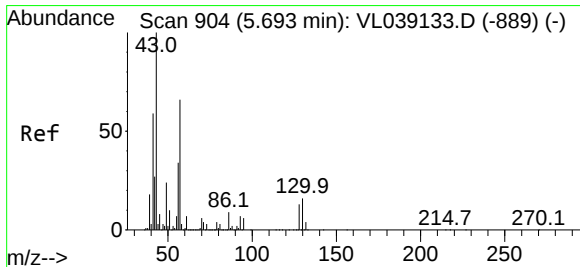
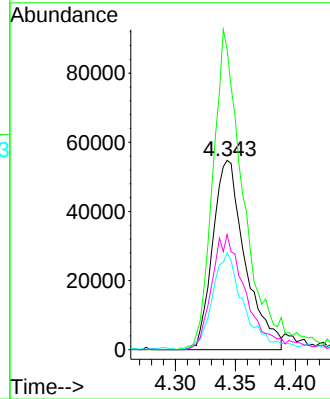
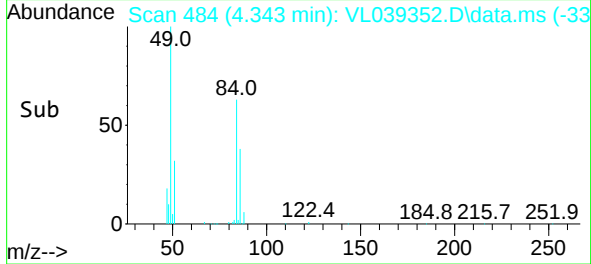


Tgt Ion: 84 Resp: 103002

Ion	Ratio	Lower	Upper
84	100		
49	158.0	111.1	166.7
51	51.8	35.3	52.9
86	60.8	51.9	77.9

Manual Integrations
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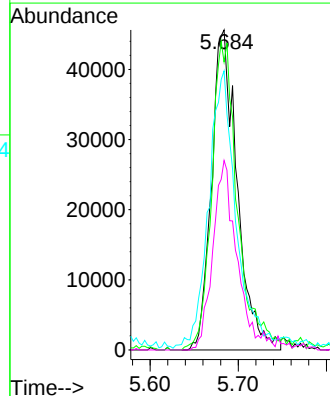
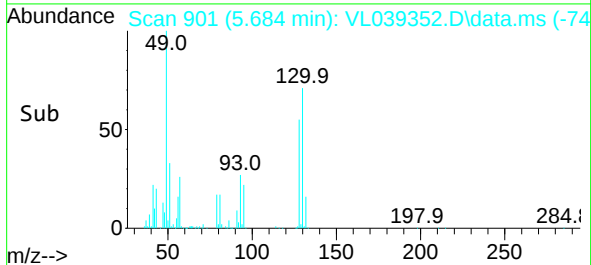
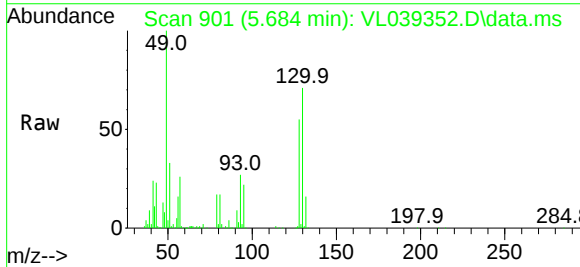
Reviewed By :Semsettin Yesilyurt 06/27/2022
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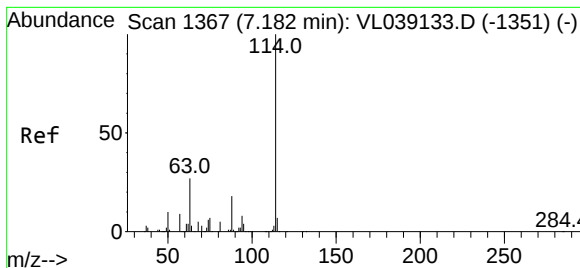


#26
Hexane
Concen: 0.804 ppbv m
RT: 5.684 min Scan# 901
Delta R.T. -0.010 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

Tgt Ion: 57 Resp: 92332

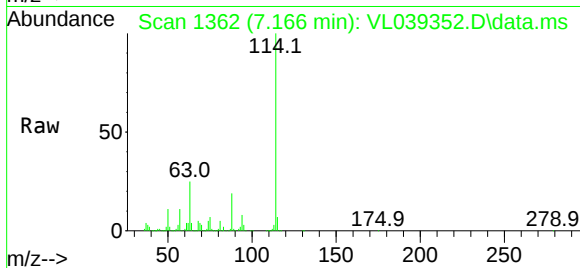
Ion	Ratio	Lower	Upper
57	100		
41	98.3	72.4	108.6
43	95.6	187.0	280.6#
56	57.6	41.8	62.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 114
Delta R.T. -0.016 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

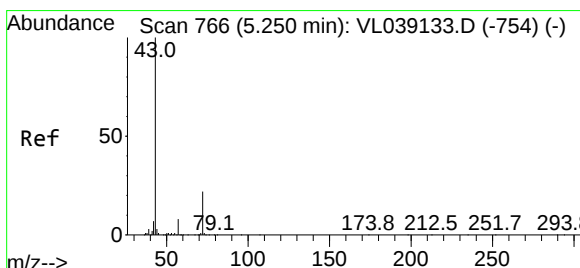
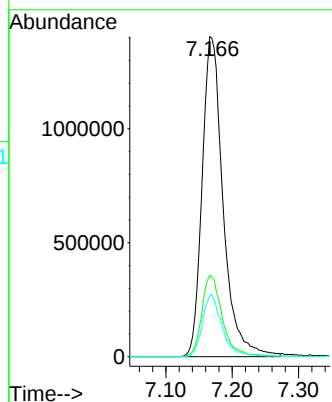
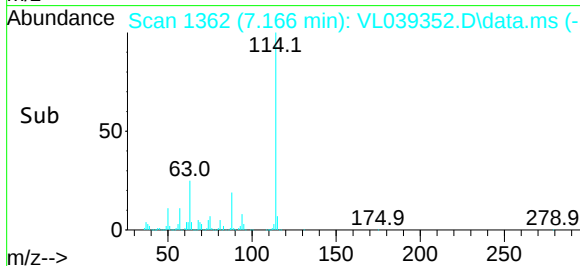
Instrument : MSVOA_L
ClientSampleId : IA-3



Tgt Ion:114 Resp: 308344
Ion Ratio Lower Upper
114 100
63 25.0 21.7 32.5
88 18.4 14.8 22.2

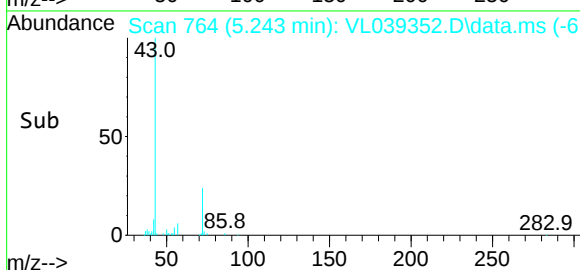
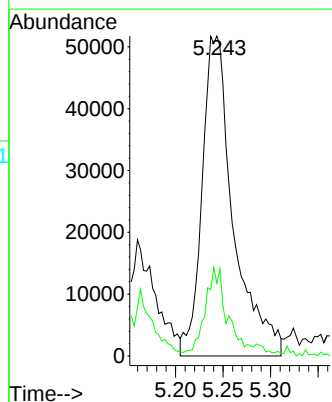
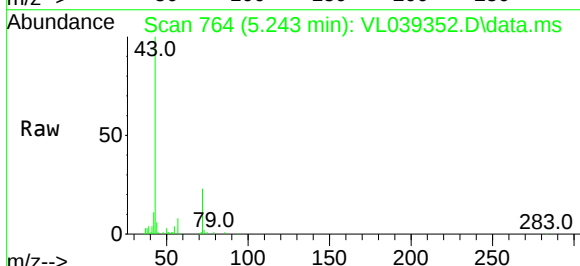
Manual Integrations
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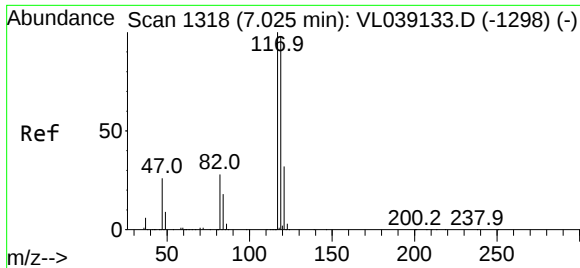
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#34
2-Butanone
Concen: 0.708 ppbv m
RT: 5.243 min Scan# 764
Delta R.T. -0.006 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

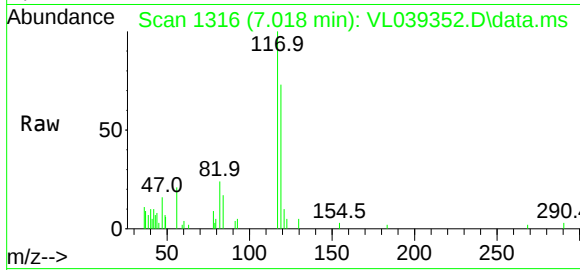
Tgt Ion: 43 Resp: 118656
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#





#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 7.018 min Scan# 117
Delta R.T. -0.006 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

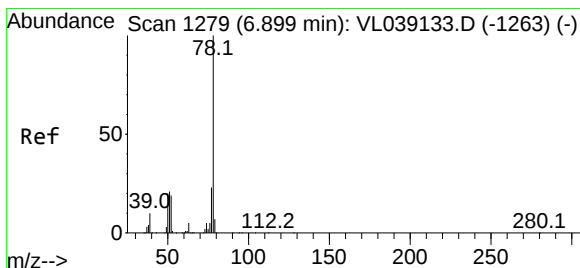
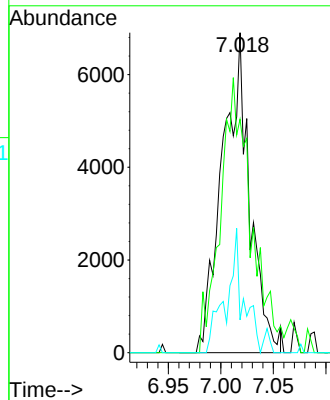
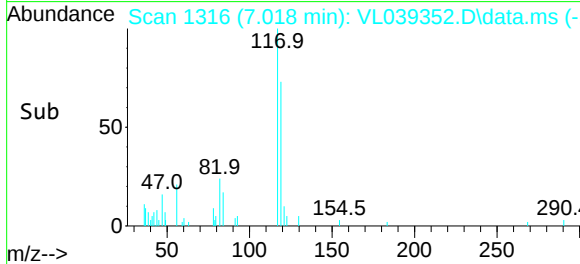
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion: 117 Resp: 12490
Ion Ratio Lower Upper
117 100
119 73.0 78.6 118.0#
121 10.3 25.4 38.0#

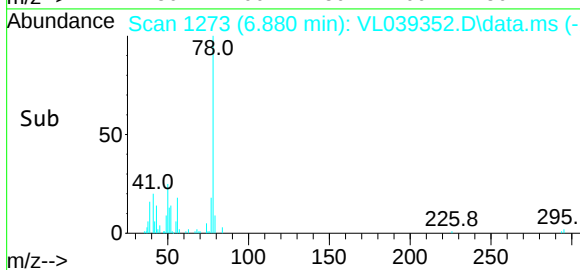
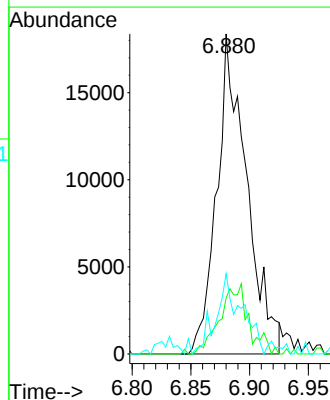
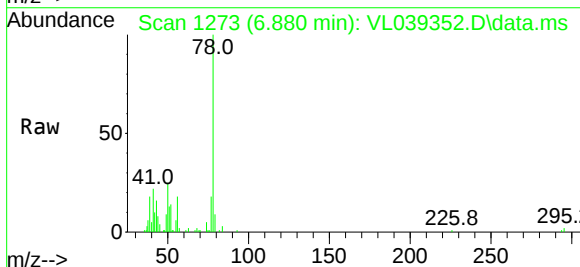
Manual Integrations
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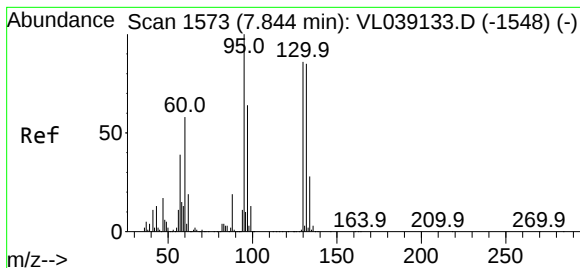
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#36
Benzene
Concen: 0.130 ppbv m
RT: 6.880 min Scan# 1273
Delta R.T. -0.019 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

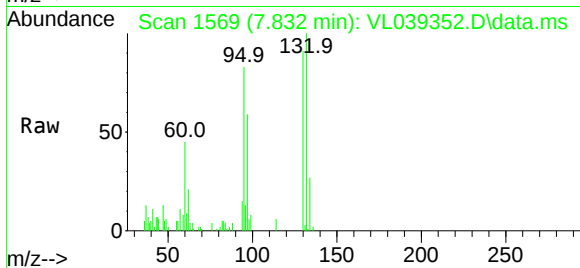
Tgt Ion: 78 Resp: 32429
Ion Ratio Lower Upper
78 100
77 17.5 18.6 27.8#
50 25.1 15.8 23.8#





#38
Trichloroethene
Concen: 0.218 ppbv m
RT: 7.832 min Scan# 1569
Delta R.T. -0.013 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

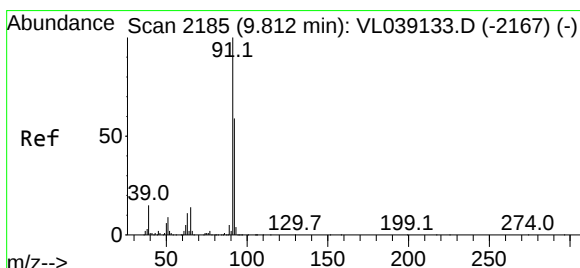
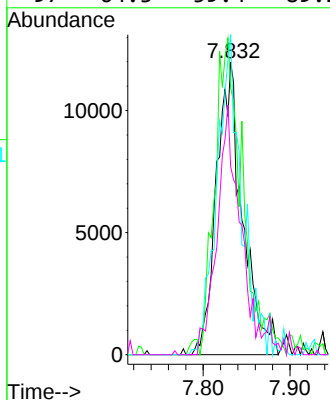
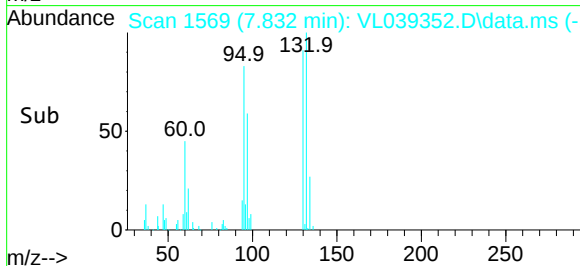
Instrument :
MSVOA_L
ClientSampleId :
IA-3



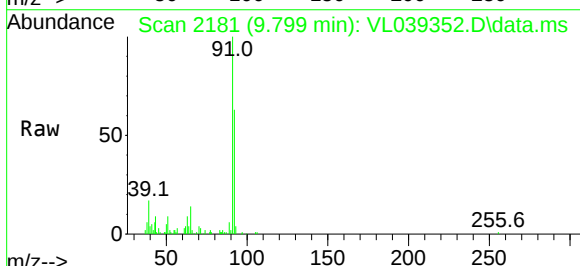
Tgt Ion:130 Resp: 25060
Ion Ratio Lower Upper
130 100
95 91.2 93.3 139.9
132 109.5 79.0 118.4
97 64.3 59.4 89.2

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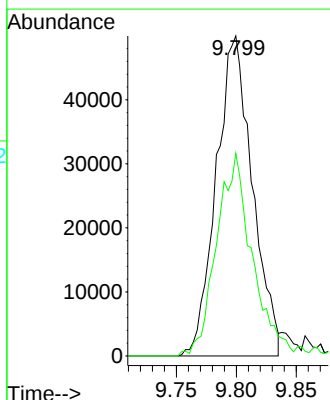
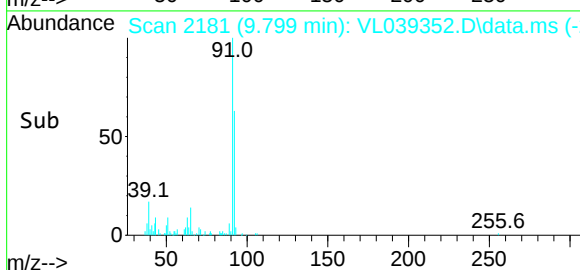
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

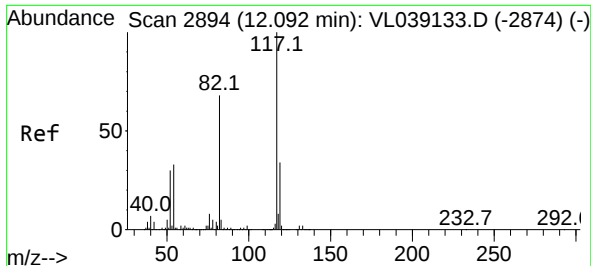


#53
Toluene
Concen: 0.363 ppbv
RT: 9.799 min Scan# 2181
Delta R.T. -0.013 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26



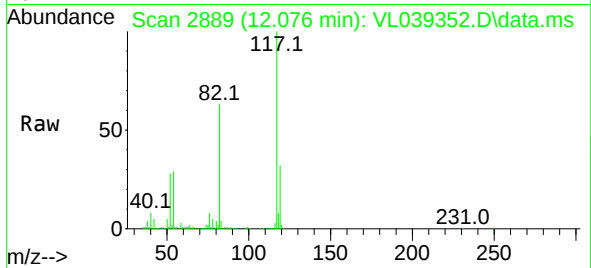
Tgt Ion: 91 Resp: 104731
Ion Ratio Lower Upper
91 100
92 64.5 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26

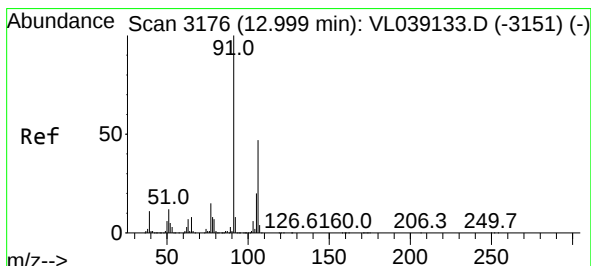
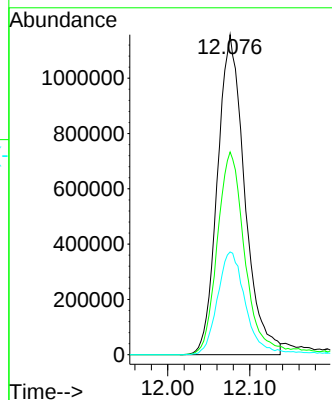
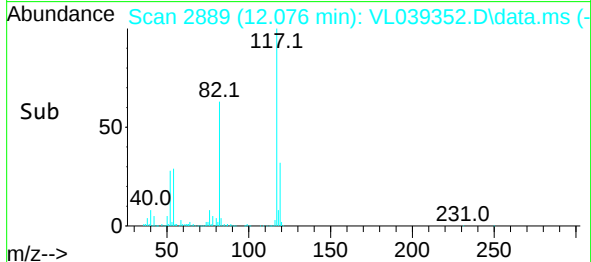
Instrument :
MSVOA_L
ClientSampleId :
IA-3



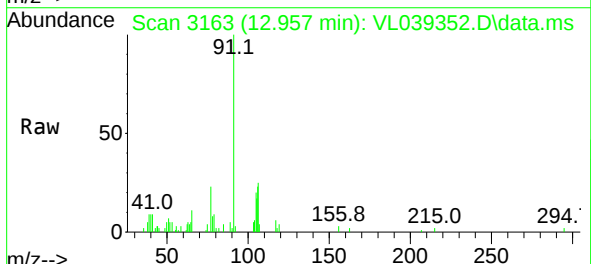
Tgt Ion:117 Resp: 2668834
Ion Ratio Lower Upper
117 100
82 66.5 55.1 82.7
119 33.9 24.7 37.1

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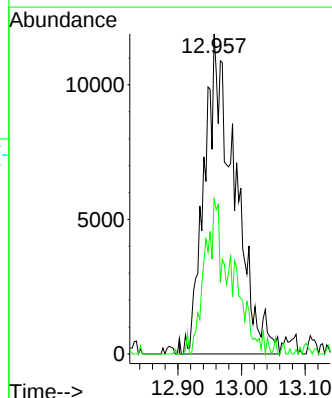
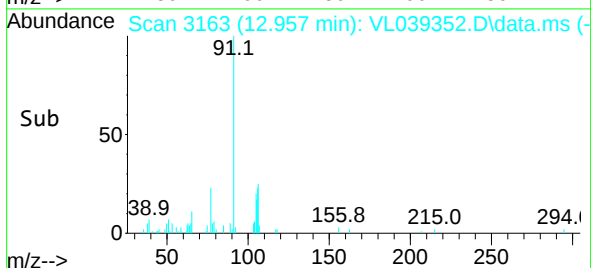
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

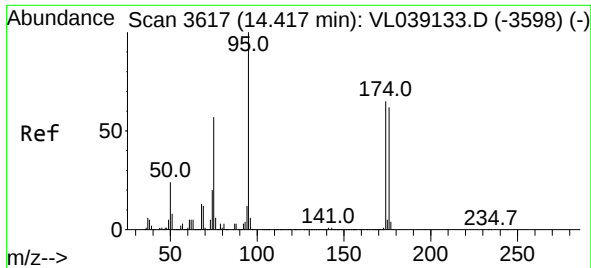


#59
m/p-Xylene
Concen: 0.121 ppbv m
RT: 12.957 min Scan# 3163
Delta R.T. -0.042 min
Lab File: VL039352.D
Acq: 24 Jun 2022 22:26



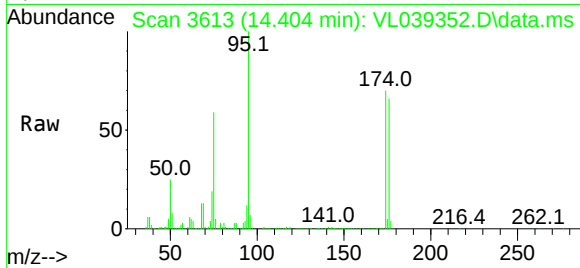
Tgt Ion: 91 Resp: 39204
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.130 ppbv
 RT: 14.404 min Scan# 30
 Delta R.T. -0.013 min
 Lab File: VL039352.D
 Acq: 24 Jun 2022 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3



Tgt Ion: 95 Resp: 2014414
 Ion Ratio Lower Upper
 95 100
 174 72.2 53.8 80.8
 175 5.0 4.1 6.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022

