

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039341.D
 Acq On : 24 Jun 2022 15:02
 Operator : SY/AP
 Sample : N3489-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4-20220622

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 01:50:44 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	1225464	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.173	114	3399564	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	3109534	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2380038	9.258	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.047	85	23847	0.111	ppbv	96
9) Propene	3.009	41	567602	8.348	ppbv	91
10) Heptane	8.121	43	59215m	0.373	ppbv	
13) Ethanol	3.591	45	71304	19.231	ppbv #	100
15) Acetone	3.842	43	5488971	42.999	ppbv	93
17) tert-Butyl alcohol	4.282	59	54115	0.547	ppbv	94
19) Isopropyl Alcohol	3.954	45	892986	14.915	ppbv #	93
20) Methylene Chloride	4.340	84	94173	1.751	ppbv	95
26) Hexane	5.681	57	110900	0.877	ppbv #	36
27) Carbon Disulfide	4.549	76	147387	1.125	ppbv #	92
34) 2-Butanone	5.240	43	604610	3.274	ppbv	96
36) Benzene	6.886	78	36638m	0.133	ppbv	
51) 2-Hexanone	10.127	43	202631m	0.942	ppbv	
52) Tetrachloroethene	11.221	164	11551m	0.107	ppbv	
53) Toluene	9.800	91	75326m	0.237	ppbv	
59) m/p-Xylene	12.960	91	86968m	0.231	ppbv	
60) o-Xylene	13.680	91	57968m	0.164	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	117555	0.281	ppbv #	66

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

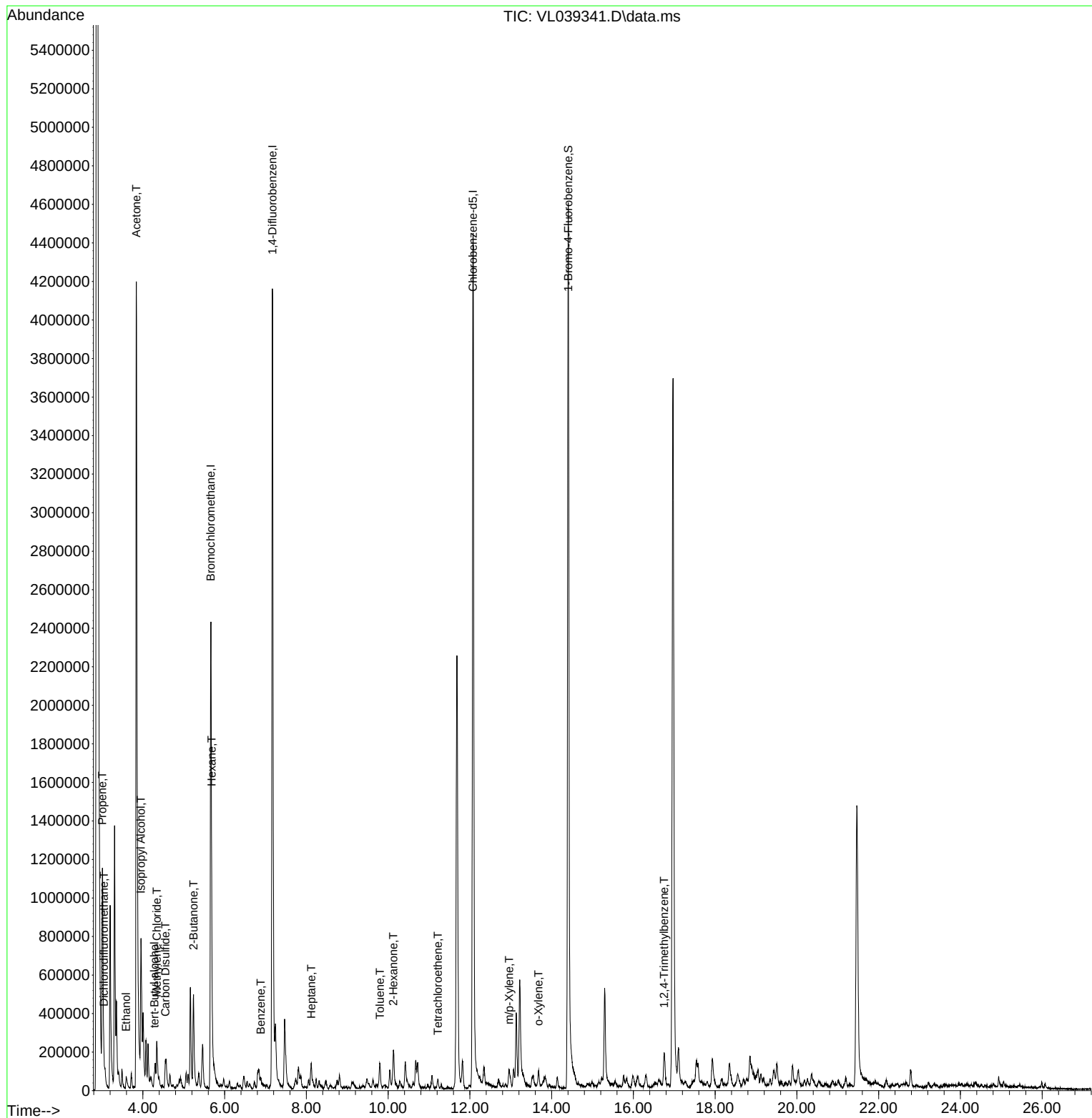
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
Data File : VL039341.D
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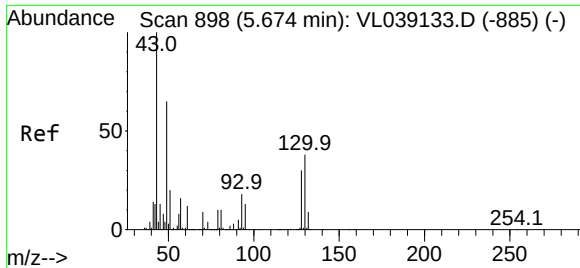
Instrument :
MSVOA_L
ClientSampleId :
SV-4-20220622

Quant Time: Jun 27 01:50:44 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
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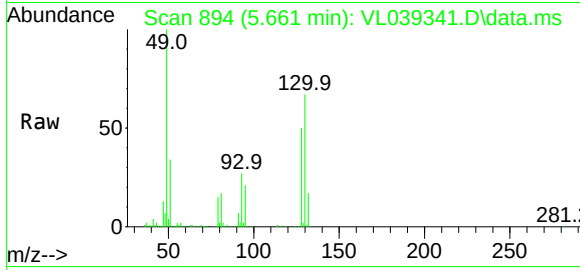
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 894
Delta R.T. -0.013 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

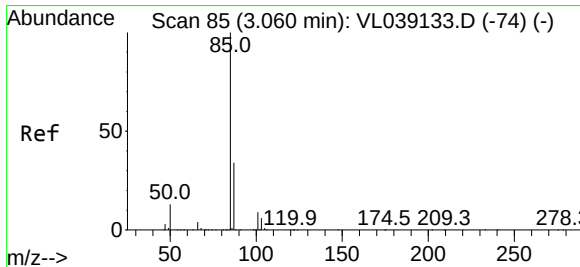
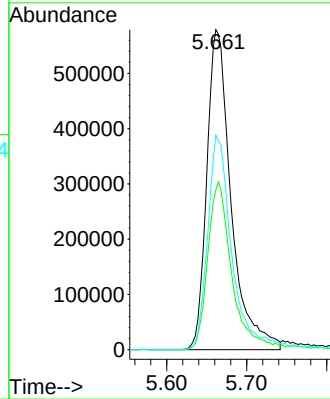
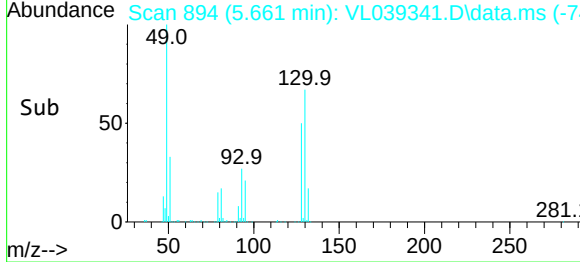
Instrument : MSVOA_L
ClientSampleId : SV-4-20220622



Tgt Ion: 49 Resp: 122546
Ion Ratio Lower Upper
49 100
128 52.8 24.7 74.1
130 69.0 31.4 94.0

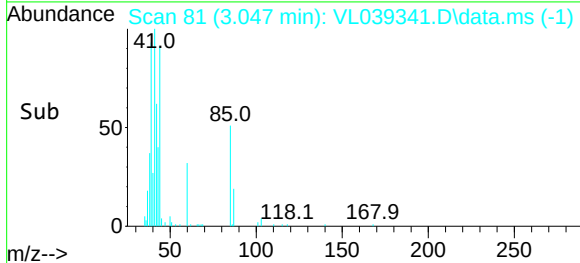
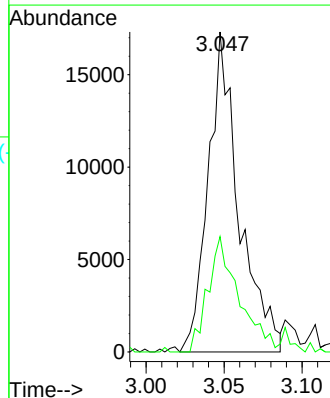
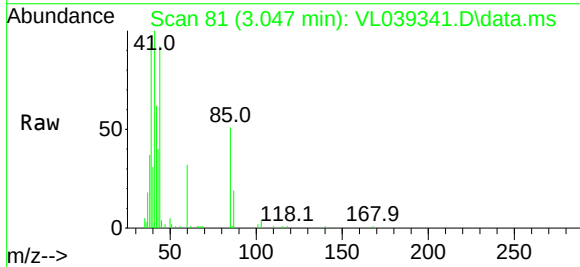
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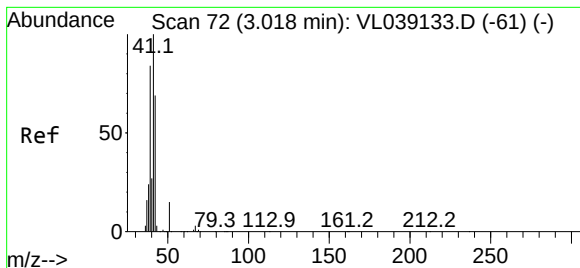
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 0.111 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

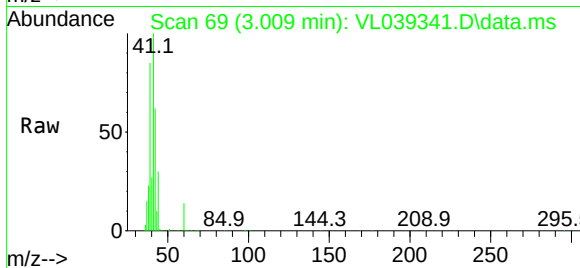
Tgt Ion: 85 Resp: 23847
Ion Ratio Lower Upper
85 100
87 36.1 26.9 40.3





#9
 Propene
 Concen: 8.348 ppbv
 RT: 3.009 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL039341.D
 Acq: 24 Jun 2022 15:02

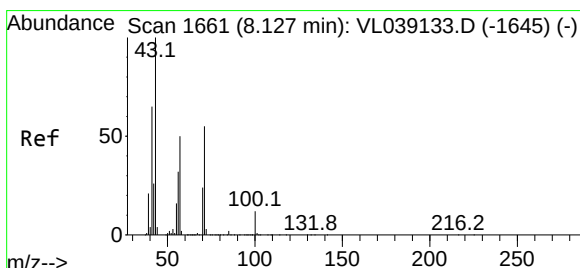
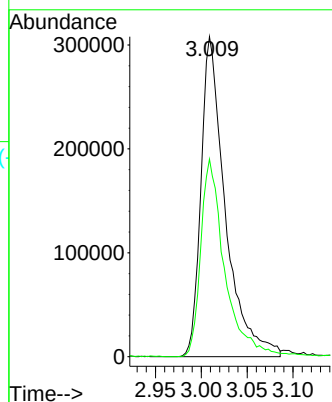
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4-20220622



Tgt Ion: 41 Resp: 56760
 Ion Ratio Lower Upper
 41 100
 42 61.7 55.4 83.2

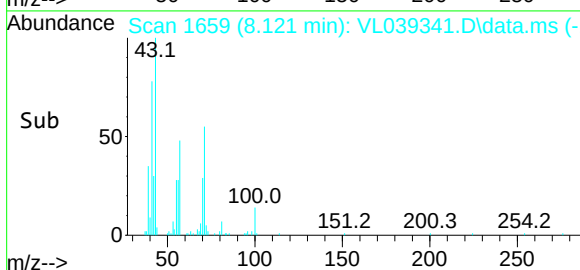
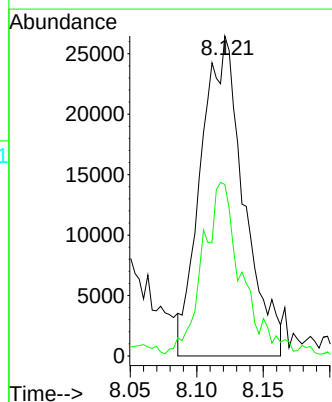
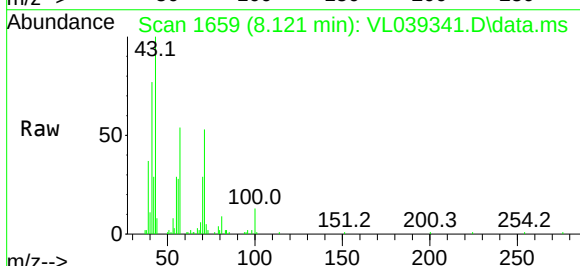
Manual Integrations
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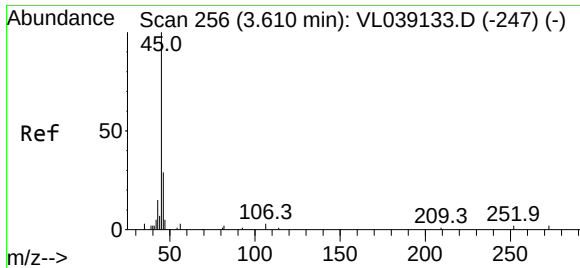
Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#10
 Heptane
 Concen: 0.373 ppbv m
 RT: 8.121 min Scan# 1659
 Delta R.T. -0.006 min
 Lab File: VL039341.D
 Acq: 24 Jun 2022 15:02

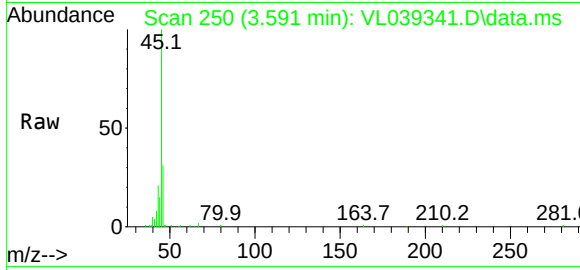
Tgt Ion: 43 Resp: 59215
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.4 62.2#





#13
Ethanol
Concen: 19.231 ppbv
RT: 3.591 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

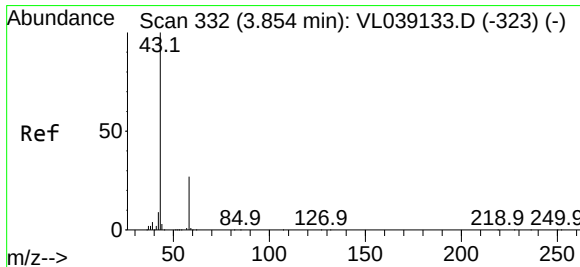
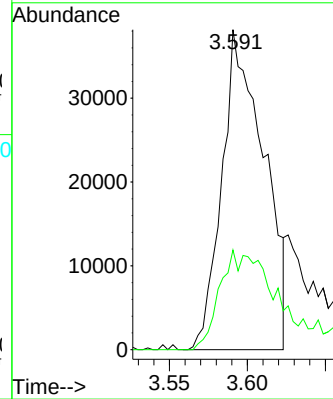
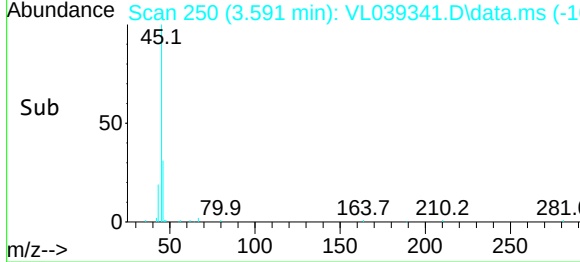
Instrument :
MSVOA_L
ClientSampleId :
SV-4-20220622



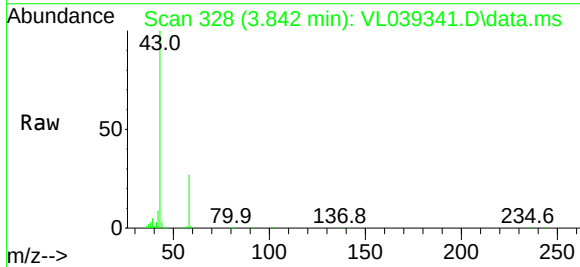
Tgt Ion: 45 Resp: 71304
Ion Ratio Lower Upper
45 100
46 50.2 0.0 0.0

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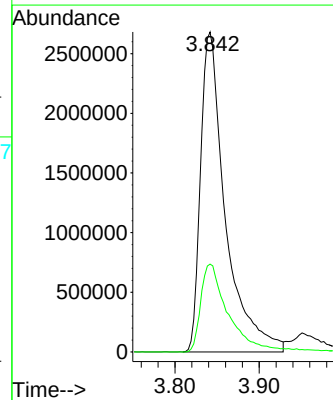
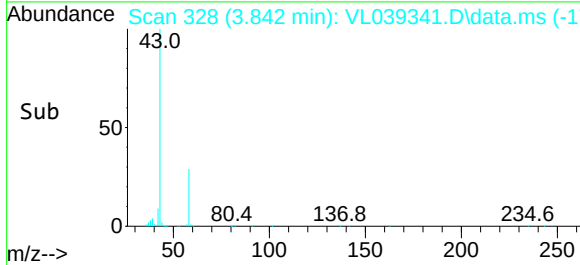
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

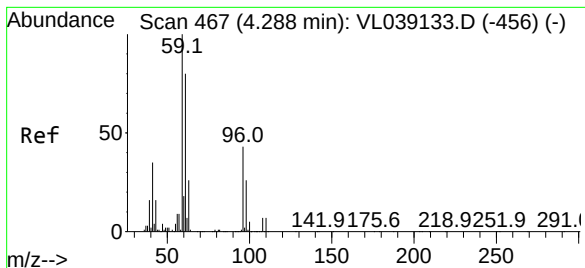


#15
Acetone
Concen: 42.999 ppbv
RT: 3.842 min Scan# 328
Delta R.T. -0.013 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02



Tgt Ion: 43 Resp: 5488971
Ion Ratio Lower Upper
43 100
58 31.6 22.5 33.7





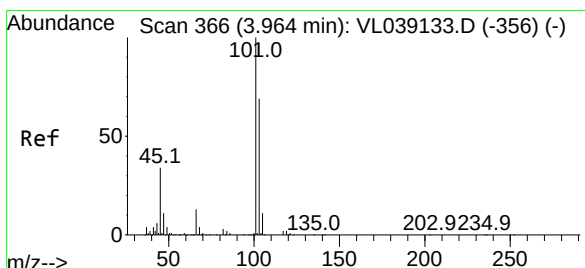
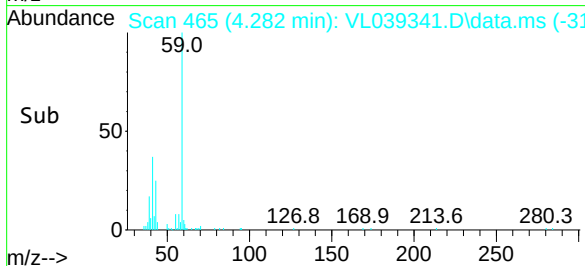
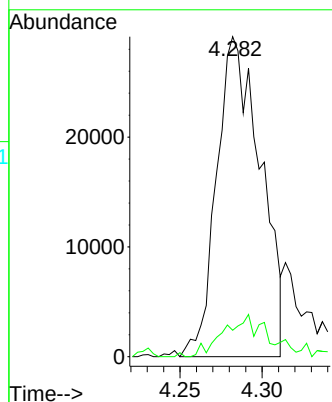
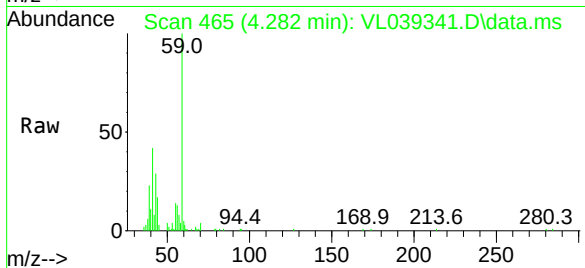
#17
tert-Butyl alcohol
Concen: 0.547 ppbv
RT: 4.282 min Scan# 411
Delta R.T. -0.006 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

Instrument :
MSVOA_L
ClientSampleId :
SV-4-20220622

Tgt Ion: 59 Resp: 5411
Ion Ratio Lower Upper
59 100
57 13.5 9.1 13.7

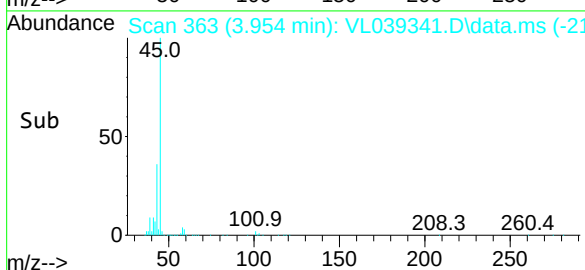
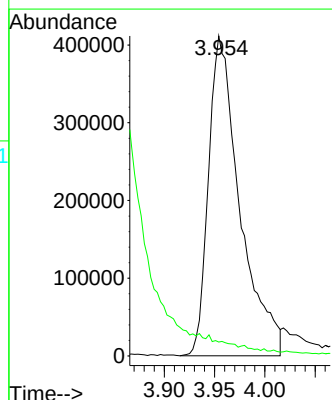
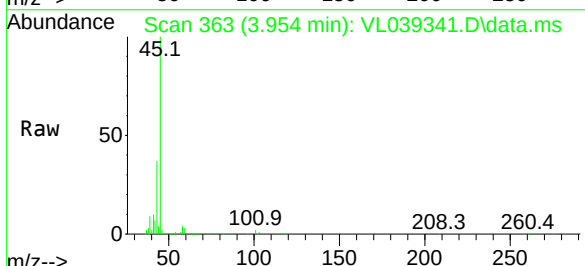
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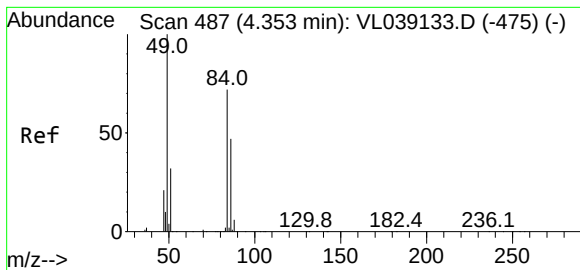
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#19
Isopropyl Alcohol
Concen: 14.915 ppbv
RT: 3.954 min Scan# 363
Delta R.T. -0.010 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

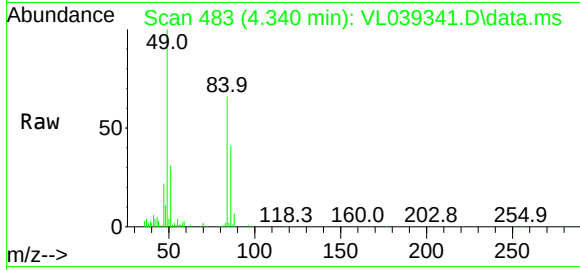
Tgt Ion: 45 Resp: 892986
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#





#20
Methylene Chloride
Concen: 1.751 ppbv
RT: 4.340 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

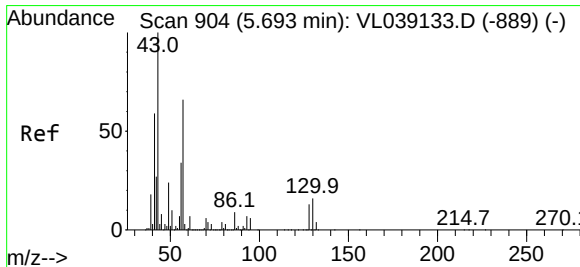
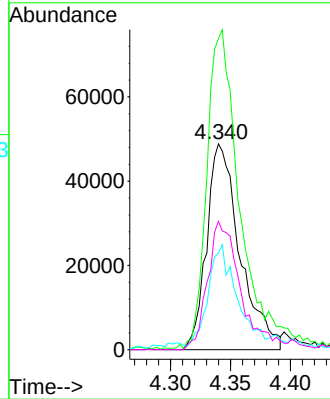
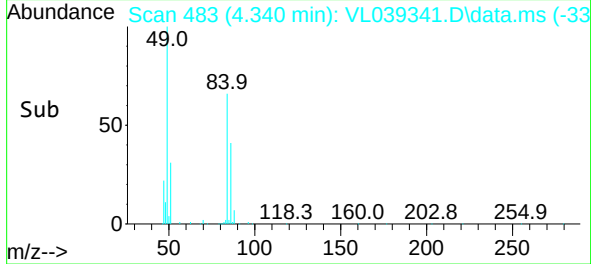
Instrument :
MSVOA_L
ClientSampleId :
SV-4-20220622



Tgt Ion: 84	Resp: 9417
Ion Ratio	Lower Upper
84 100	
49 148.5	111.1 166.7
51 43.8	35.3 52.9
86 62.3	51.9 77.9

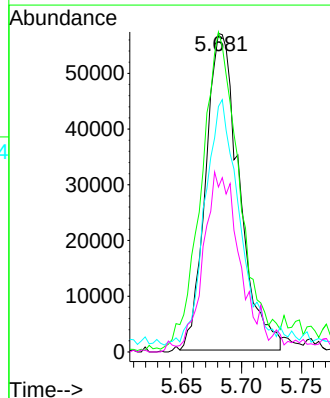
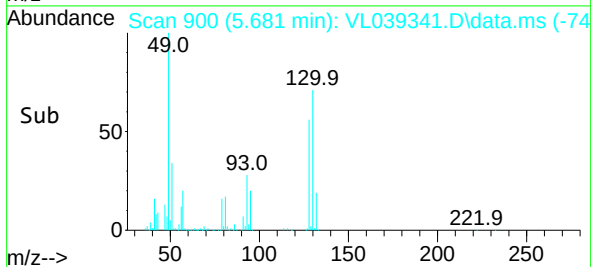
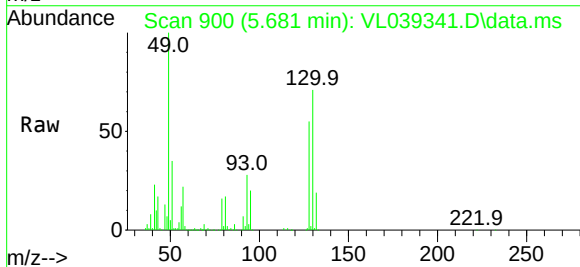
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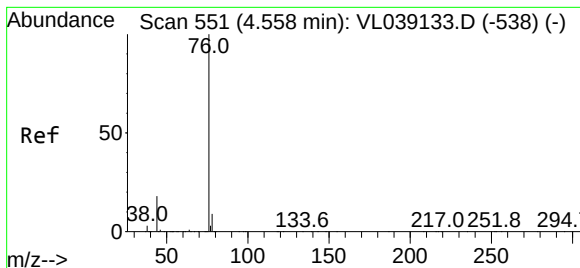
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#26
Hexane
Concen: 0.877 ppbv
RT: 5.681 min Scan# 900
Delta R.T. -0.013 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

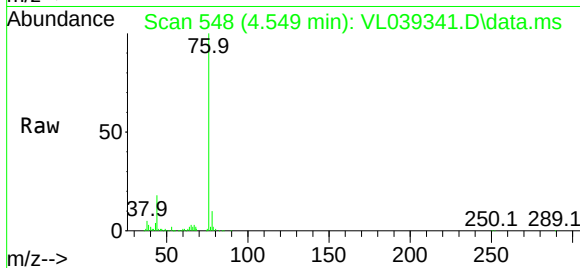
Tgt Ion: 57	Resp: 110900
Ion Ratio	Lower Upper
57 100	
41 122.8	72.4 108.6#
43 90.8	187.0 280.6#
56 66.4	41.8 62.6#





#27
Carbon Disulfide
Concen: 1.125 ppbv
RT: 4.549 min Scan# 549
Delta R.T. -0.010 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

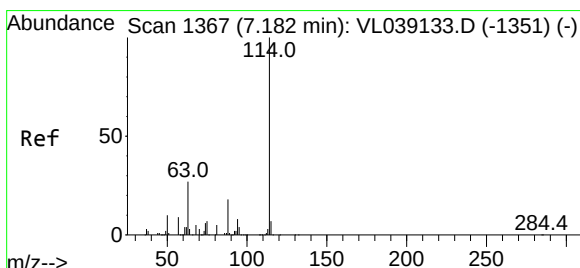
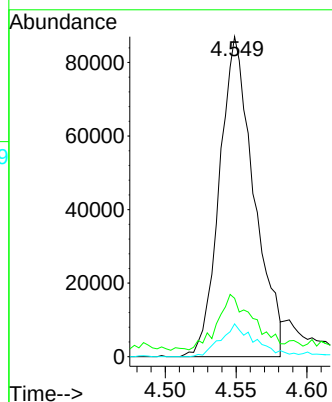
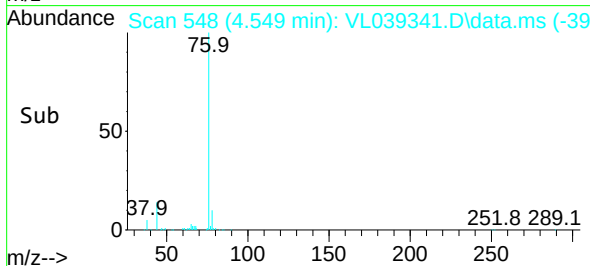
Instrument :
MSVOA_L
ClientSampleId :
SV-4-20220622



Tgt Ion: 76 Resp: 147385
Ion Ratio Lower Upper
76 100
44 22.5 14.4 21.6
78 11.5 7.7 11.5

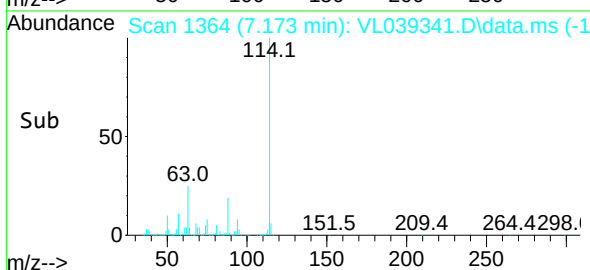
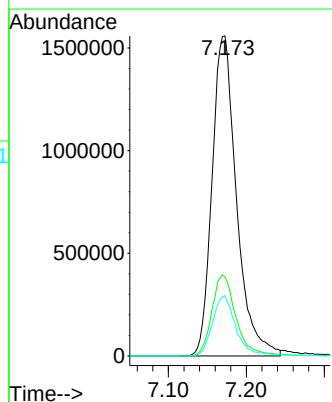
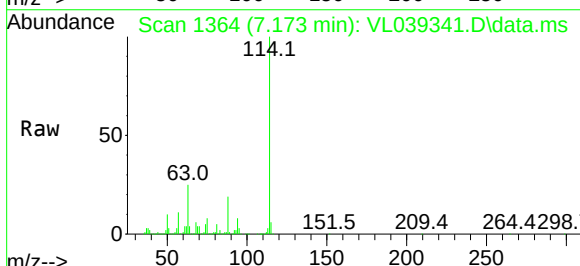
Manual Integrations
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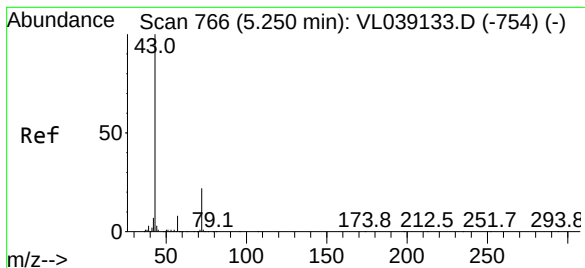
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.173 min Scan# 1364
Delta R.T. -0.010 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

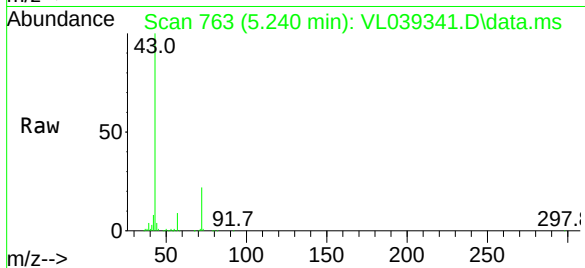
Tgt Ion:114 Resp: 3399564
Ion Ratio Lower Upper
114 100
63 25.3 21.7 32.5
88 18.2 14.8 22.2





#34
2-Butanone
Concen: 3.274 ppbv
RT: 5.240 min Scan# 70
Delta R.T. -0.009 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

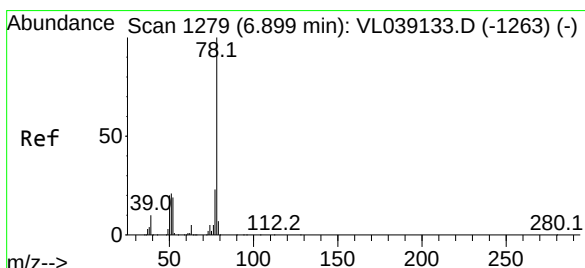
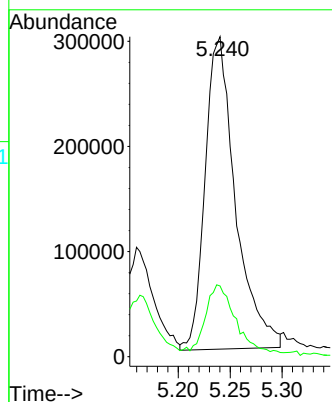
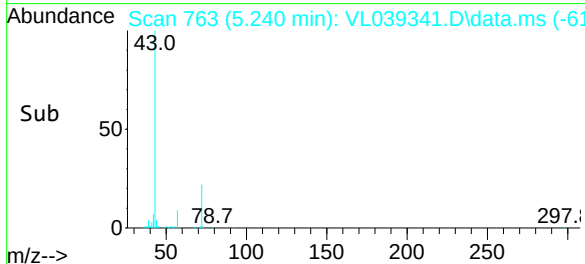
Instrument :
MSVOA_L
ClientSampleId :
SV-4-20220622



Tgt Ion: 43 Resp: 604610
Ion Ratio Lower Upper
43 100
72 24.6 18.2 27.2

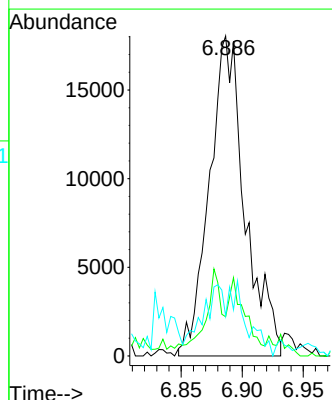
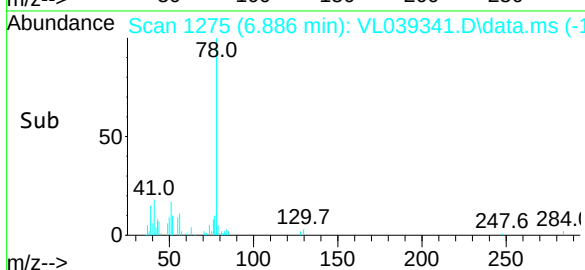
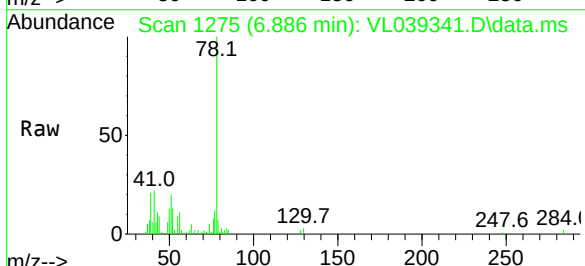
Manual Integrations
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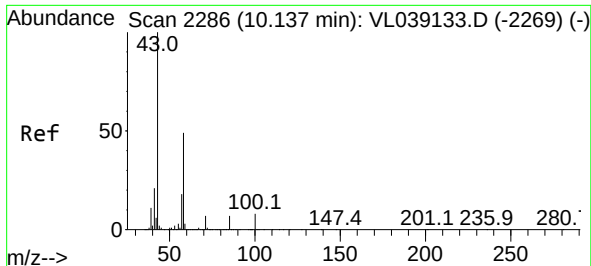
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#36
Benzene
Concen: 0.133 ppbv m
RT: 6.886 min Scan# 1275
Delta R.T. -0.013 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

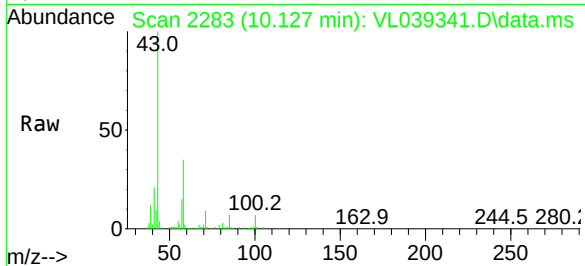
Tgt Ion: 78 Resp: 36638
Ion Ratio Lower Upper
78 100
77 12.3 18.6 27.8#
50 12.5 15.8 23.8#





#51
2-Hexanone
Concen: 0.942 ppbv m
RT: 10.127 min Scan# 20263
Delta R.T. -0.009 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

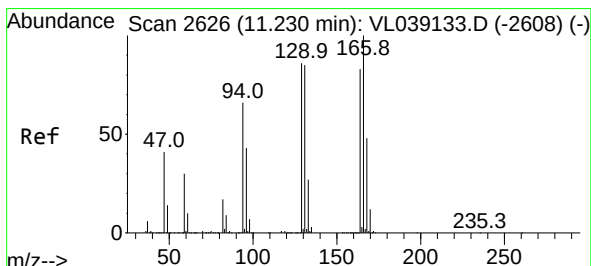
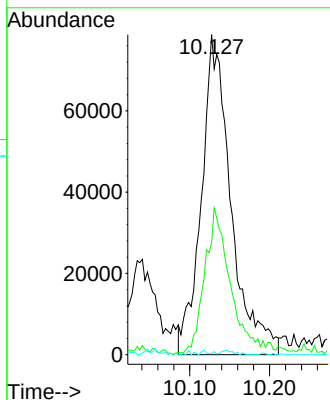
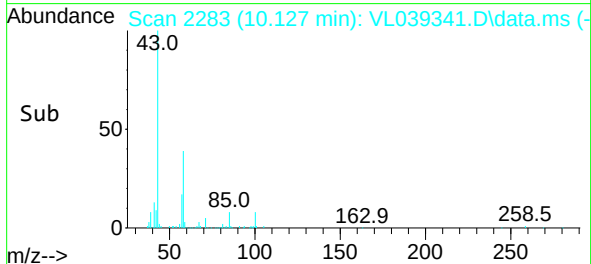
Instrument :
MSVOA_L
ClientSampleId :
SV-4-20220622



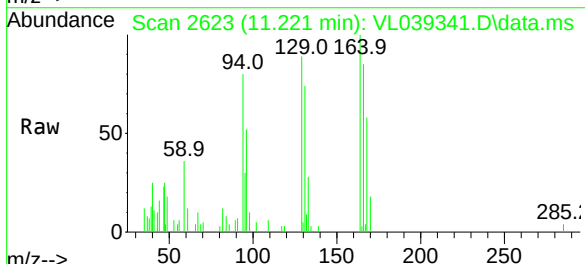
Tgt Ion: 43 Resp: 20263
Ion Ratio Lower Upper
43 100
58 0.0 40.0 60.0
98 0.5 0.1 0.1

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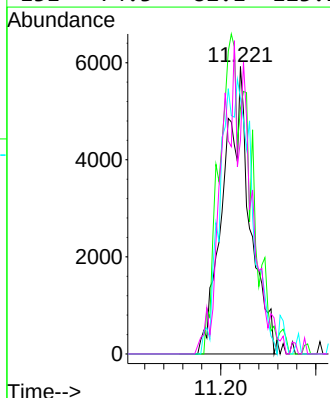
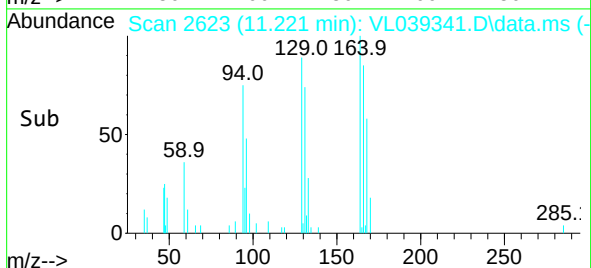
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

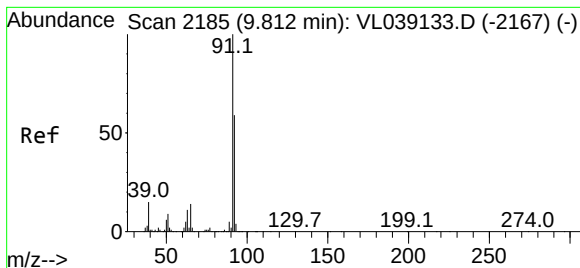


#52
Tetrachloroethene
Concen: 0.107 ppbv m
RT: 11.221 min Scan# 2623
Delta R.T. -0.009 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02



Tgt Ion:164 Resp: 11551
Ion Ratio Lower Upper
164 100
166 85.4 96.3 144.5#
129 89.0 82.5 123.7
131 74.3 82.1 123.1#





#53

Toluene

Concen: 0.237 ppbv m

RT: 9.800 min Scan# 2185

Delta R.T. -0.013 min

Lab File: VL039341.D

Acq: 24 Jun 2022 15:02

Instrument :

MSVOA_L

ClientSampleId :

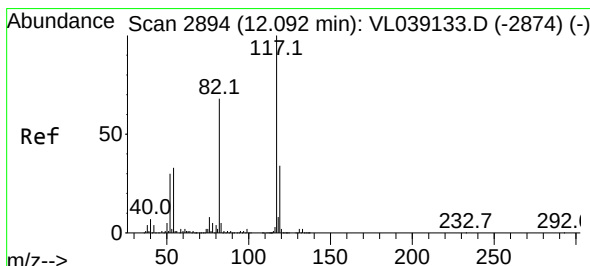
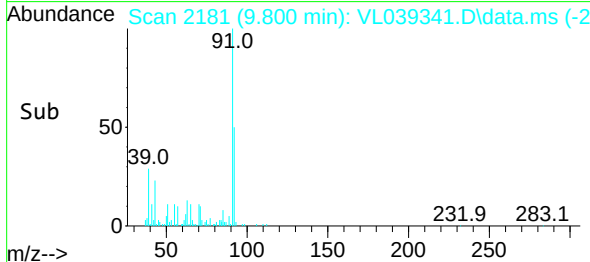
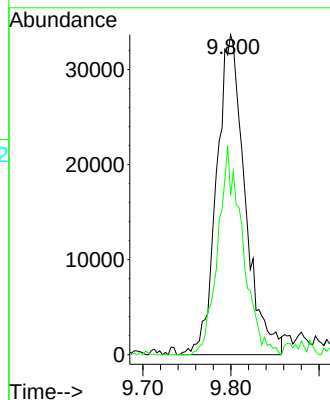
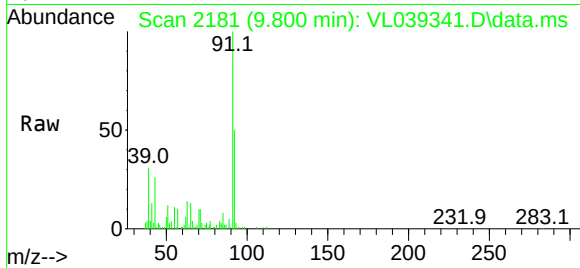
SV-4-20220622

Tgt Ion: 91 Resp: 75320
 Ion Ratio Lower Upper
 91 100
 92 56.9 48.1 72.1

Manual Integrations

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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

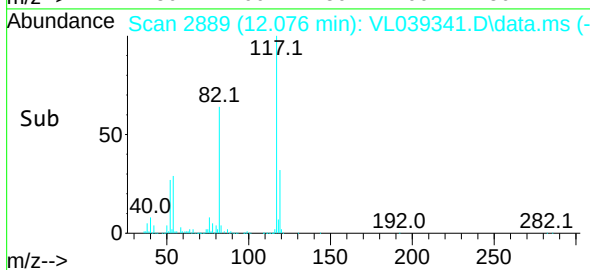
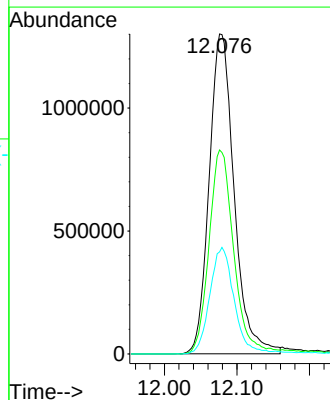
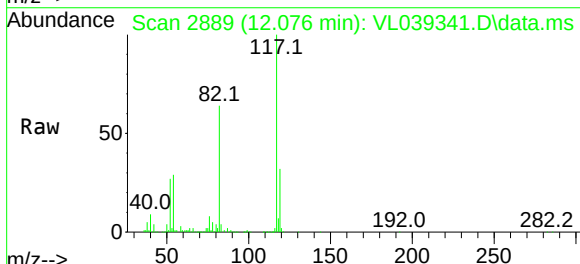
RT: 12.076 min Scan# 2889

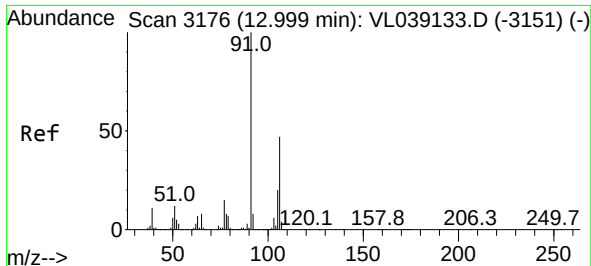
Delta R.T. -0.016 min

Lab File: VL039341.D

Acq: 24 Jun 2022 15:02

Tgt Ion:117 Resp: 3109534
 Ion Ratio Lower Upper
 117 100
 82 65.3 55.1 82.7
 119 33.4 24.7 37.1





#59

m/p-Xylene

Concen: 0.231 ppbv m

RT: 12.960 min Scan# 3176

Delta R.T. -0.038 min

Lab File: VL039341.D

Acq: 24 Jun 2022 15:02

Instrument :

MSVOA_L

ClientSampleId :

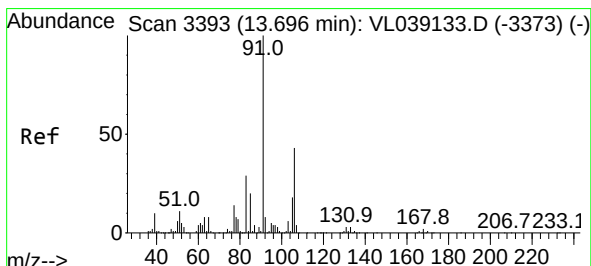
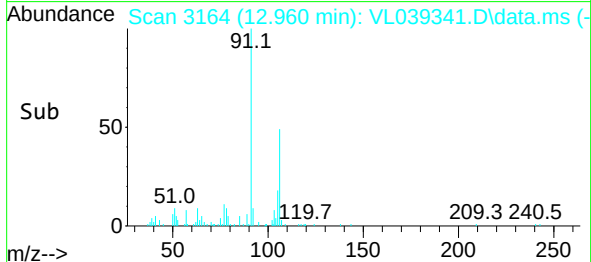
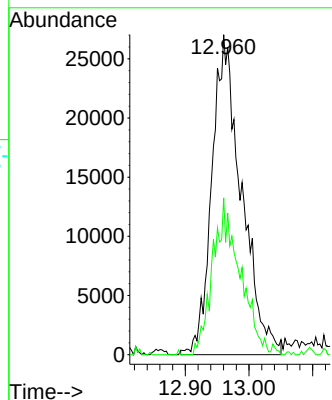
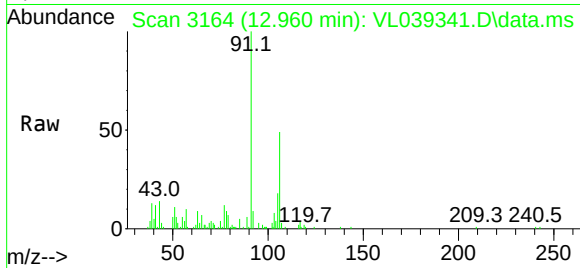
SV-4-20220622

Tgt Ion: 91 Resp: 86968
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.3 51.5

Manual Integrations

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



#60

o-Xylene

Concen: 0.164 ppbv m

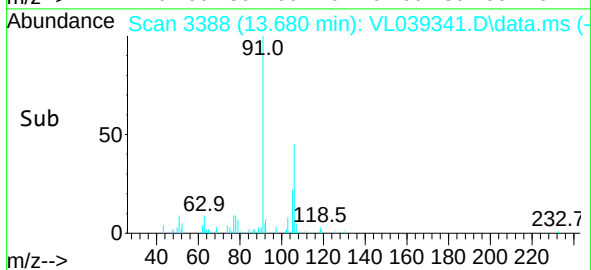
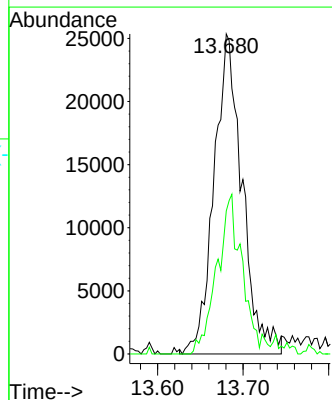
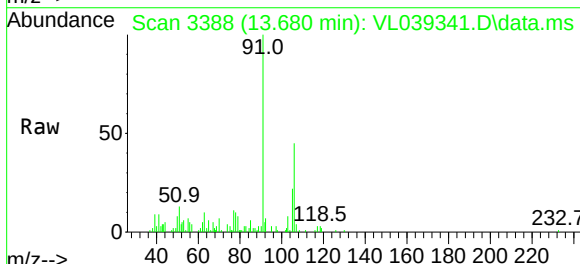
RT: 13.680 min Scan# 3388

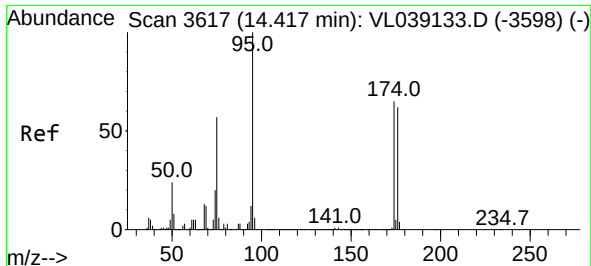
Delta R.T. -0.016 min

Lab File: VL039341.D

Acq: 24 Jun 2022 15:02

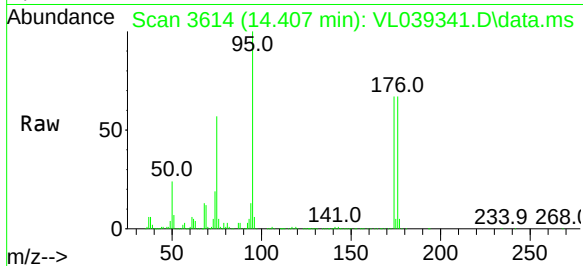
Tgt Ion: 91 Resp: 57968
 Ion Ratio Lower Upper
 91 100
 106 44.8 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.258 ppbv
RT: 14.407 min Scan# 3614
Delta R.T. -0.009 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02

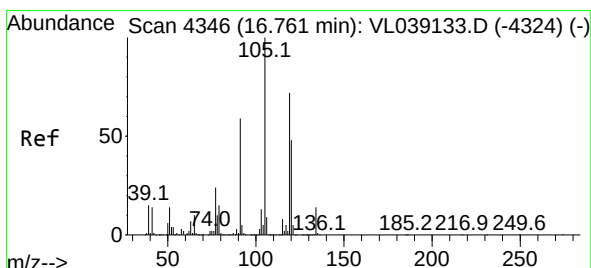
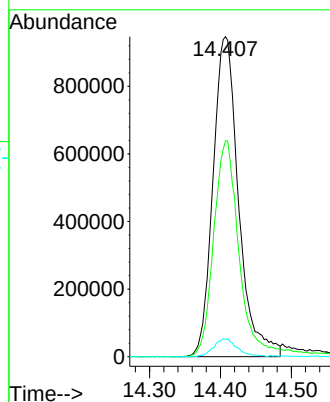
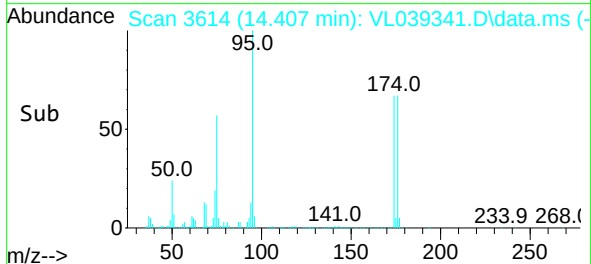
Instrument :
MSVOA_L
ClientSampleId :
SV-4-20220622



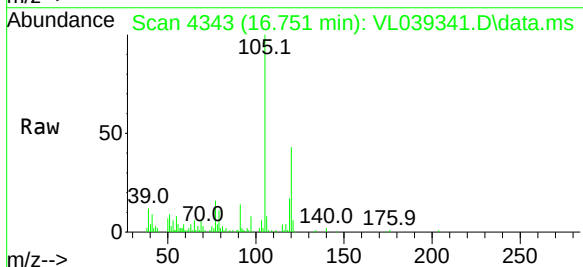
Tgt Ion: 95 Resp: 2380038
Ion Ratio Lower Upper
95 100
174 69.5 53.8 80.8
175 5.4 4.1 6.1

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.281 ppbv
RT: 16.751 min Scan# 4343
Delta R.T. -0.009 min
Lab File: VL039341.D
Acq: 24 Jun 2022 15:02



Tgt Ion:105 Resp: 117555
Ion Ratio Lower Upper
105 100
120 42.4 38.1 57.1
91 12.2 47.4 71.0#
77 15.3 19.5 29.3#

