

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039423.D
 Acq On : 5 Jul 2022 17:26
 Operator : SY/AP
 Sample : N3560-01 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 06 02:37:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1332479	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	3696125	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.089	117	3257743	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2440340	10.098	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	3.057	85	29525m	0.154	ppbv	
9) Propene	3.022	41	95730	1.254	ppbv	93
11) Trichlorofluoromethane	3.954	101	88164	0.412	ppbv	95
13) Ethanol	3.613	45	33545m	7.573	ppbv	
15) Acetone	3.851	43	3664995	23.249	ppbv	97
17) tert-Butyl alcohol	4.301	59	123903	0.926	ppbv #	93
19) Isopropyl Alcohol	3.977	45	42365m	0.504	ppbv	
20) Methylene Chloride	4.353	84	204940	3.262	ppbv	97
26) Hexane	5.694	57	198102	1.520	ppbv #	38
27) Carbon Disulfide	4.559	76	37098	0.236	ppbv #	70
29) Chloroform	5.755	83	54874m	0.242	ppbv	
34) 2-Butanone	5.256	43	241406	1.297	ppbv	97
36) Benzene	6.890	78	38403m	0.134	ppbv	
38) Trichloroethene	7.835	130	30848m	0.199	ppbv	
51) 2-Hexanone	10.147	43	29586m	0.139	ppbv	
52) Tetrachloroethene	11.227	164	670172	5.820	ppbv	97
53) Toluene	9.809	91	124455	0.377	ppbv	99
59) m/p-Xylene	12.976	91	109057m	0.294	ppbv	
60) o-Xylene	13.693	91	37116m	0.106	ppbv	
74) 1,2,4-Trimethylbenzene	16.764	105	69825m	0.166	ppbv	

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

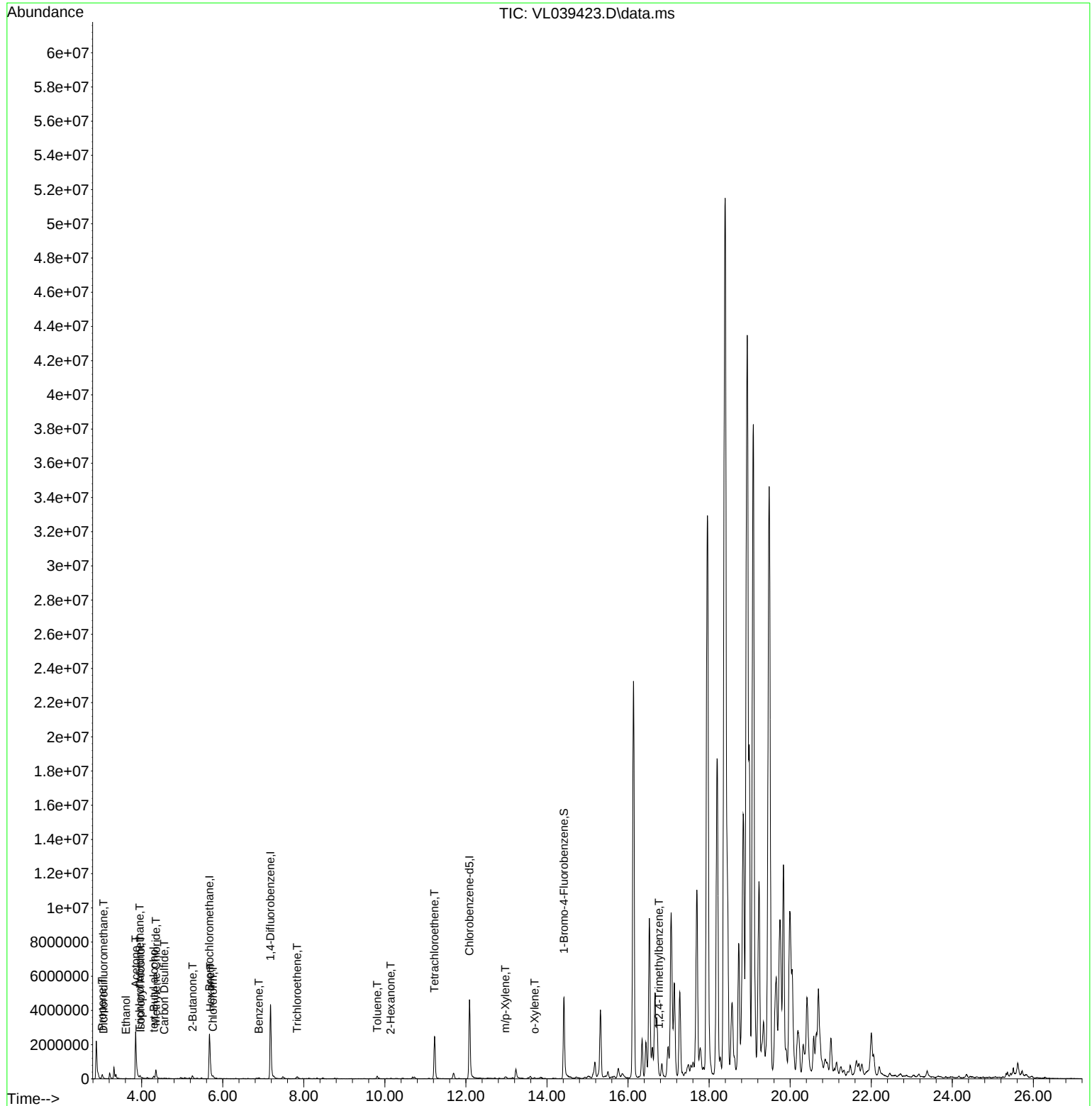
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
Data File : VL039423.D
Acq On : 5 Jul 2022 17:26
Operator : SY/AP
Sample : N3560-01 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

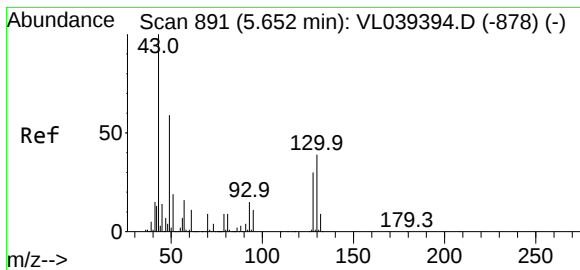
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jul 06 02:37:37 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

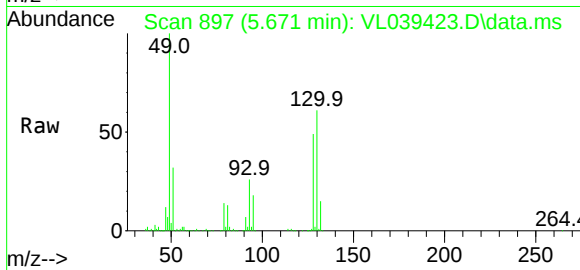
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 84
Delta R.T. 0.019 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

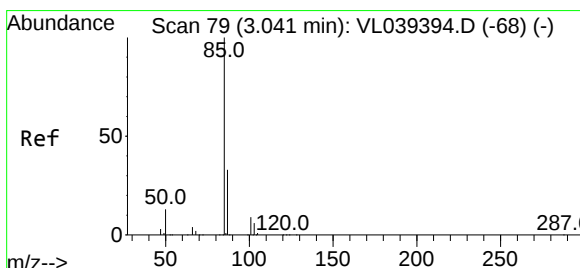
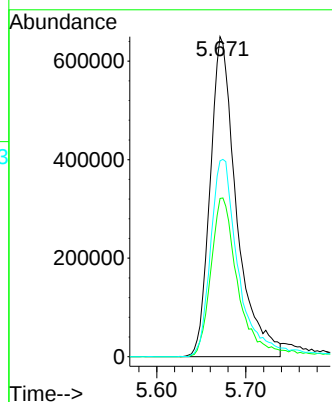
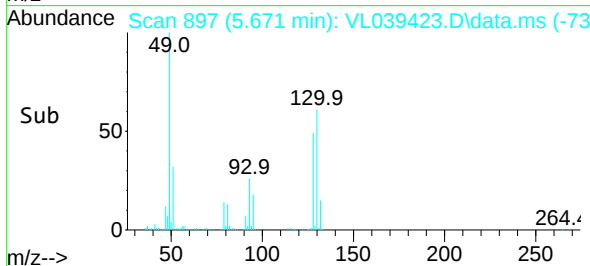
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 1332479
Ion Ratio Lower Upper
49 100
128 53.3 26.7 80.0
130 67.3 34.3 102.8

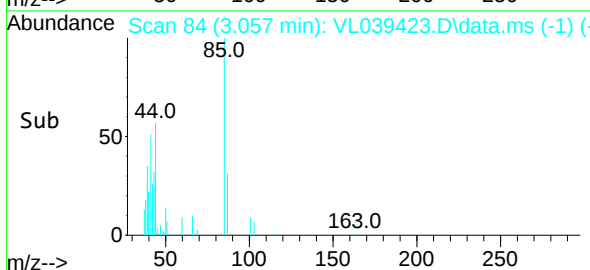
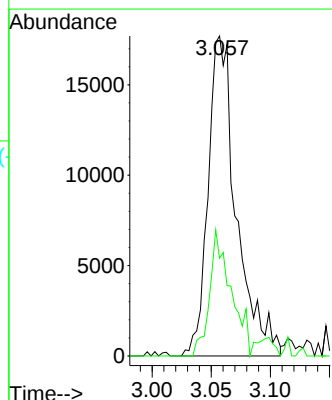
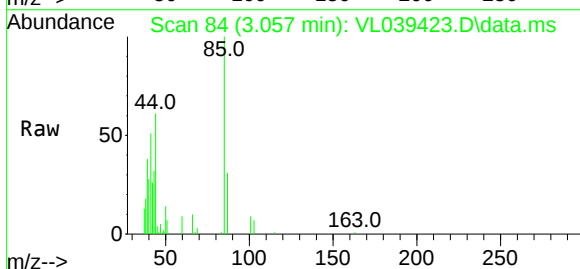
Manual Integrations
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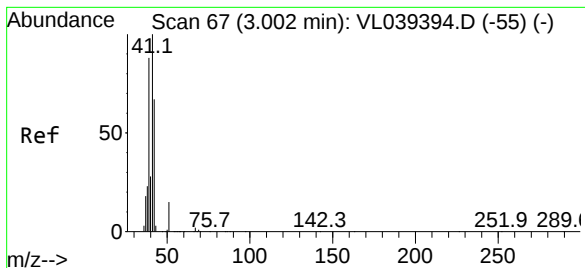
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#2
Dichlorodifluoromethane
Concen: 0.154 ppbv m
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

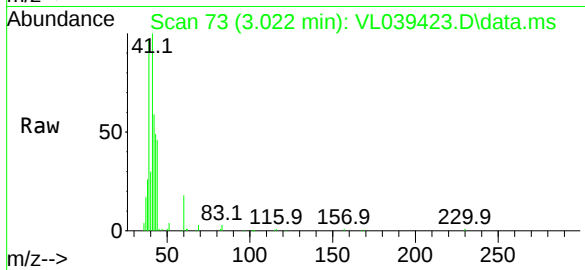
Tgt Ion: 85 Resp: 29525
Ion Ratio Lower Upper
85 100
87 30.5 26.7 40.1





#9
 Propene
 Concen: 1.254 ppbv
 RT: 3.022 min Scan# 71
 Delta R.T. 0.019 min
 Lab File: VL039423.D
 Acq: 5 Jul 2022 17:26

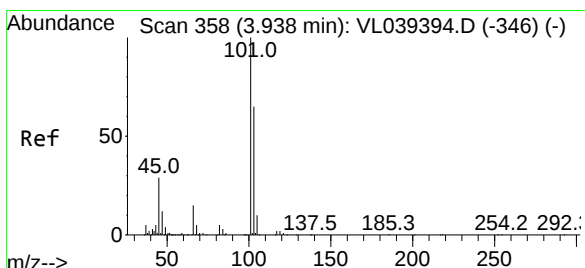
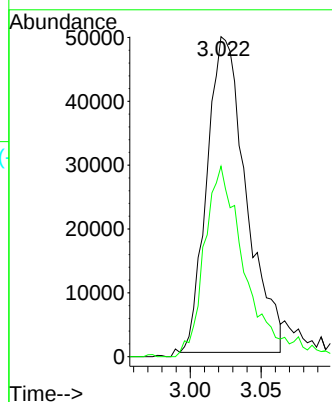
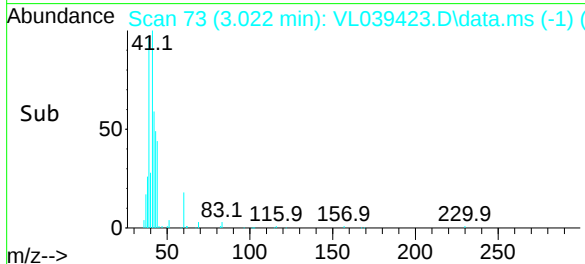
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 41 Resp: 95730
 Ion Ratio Lower Upper
 41 100
 42 63.0 55.2 82.8

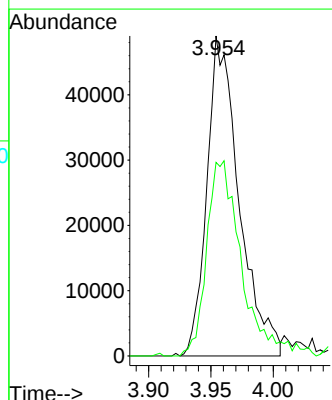
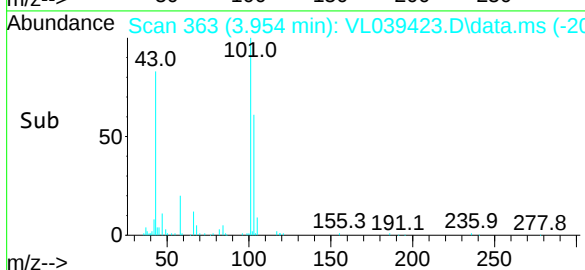
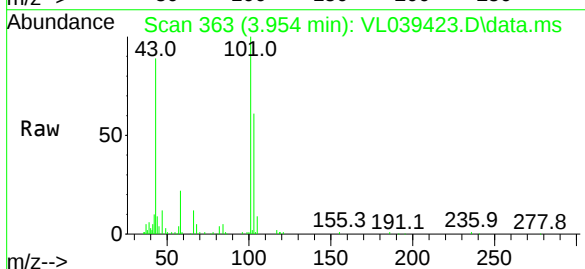
Manual Integrations
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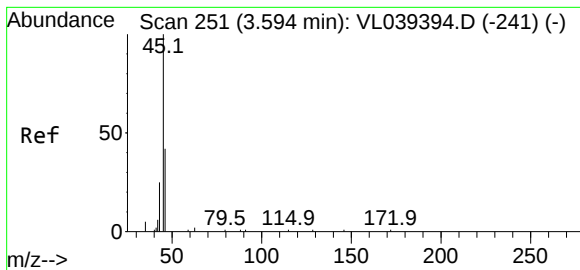
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#11
 Trichlorofluoromethane
 Concen: 0.412 ppbv
 RT: 3.954 min Scan# 363
 Delta R.T. 0.016 min
 Lab File: VL039423.D
 Acq: 5 Jul 2022 17:26

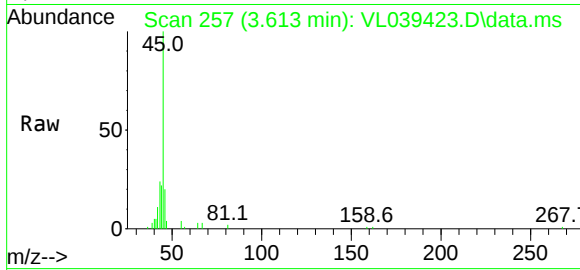
Tgt Ion:101 Resp: 88164
 Ion Ratio Lower Upper
 101 100
 103 60.5 51.8 77.8





#13
Ethanol
Concen: 7.573 ppbv m
RT: 3.613 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

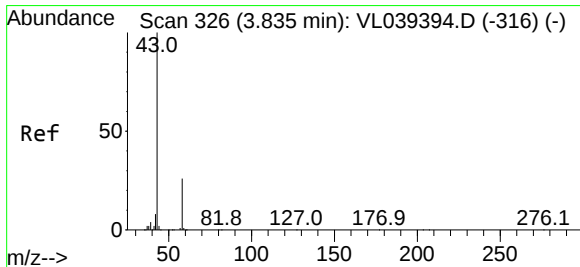
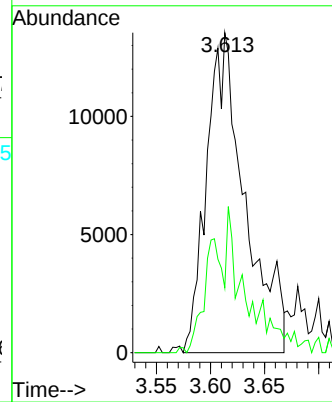
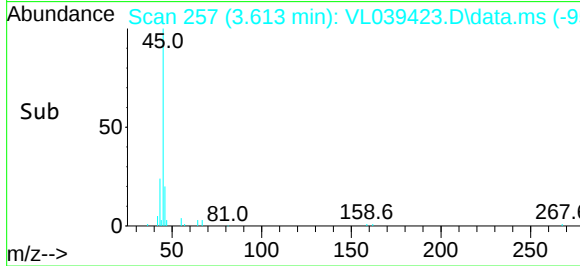
Instrument :
MSVOA_L
ClientSampleId :
SV1



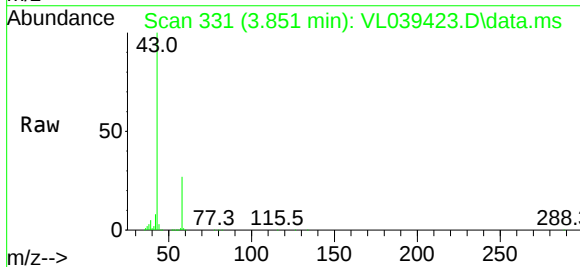
Tgt Ion: 45 Resp: 3354
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2

Manual Integrations
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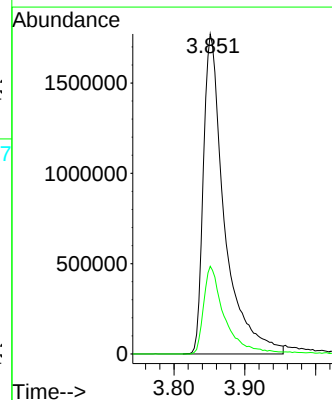
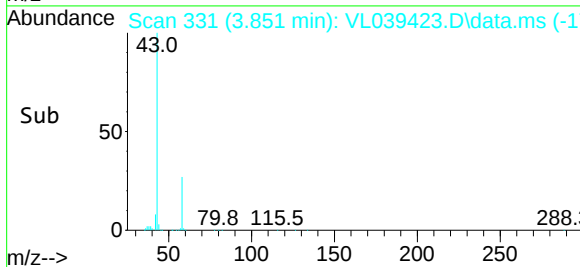
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

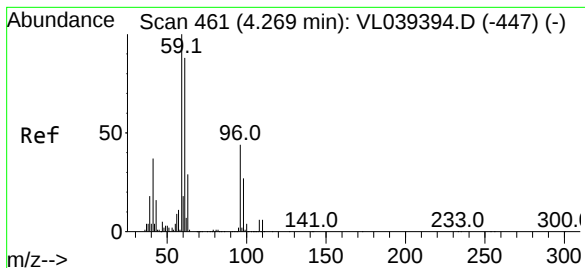


#15
Acetone
Concen: 23.249 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.016 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26



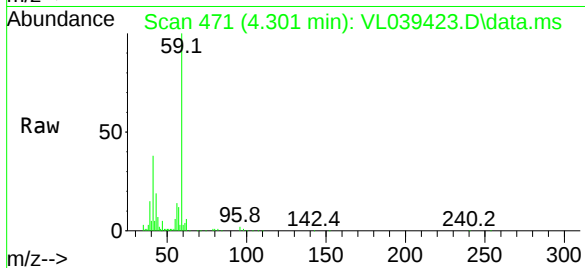
Tgt Ion: 43 Resp: 3664995
Ion Ratio Lower Upper
43 100
58 28.0 21.0 31.6





#17
tert-Butyl alcohol
Concen: 0.926 ppbv
RT: 4.301 min Scan# 41
Delta R.T. 0.032 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

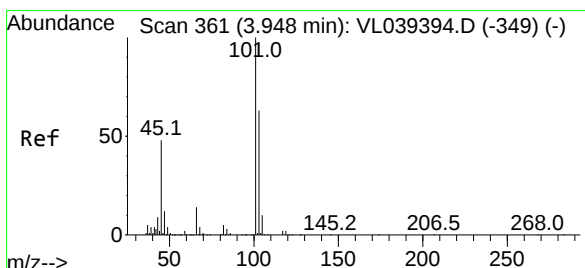
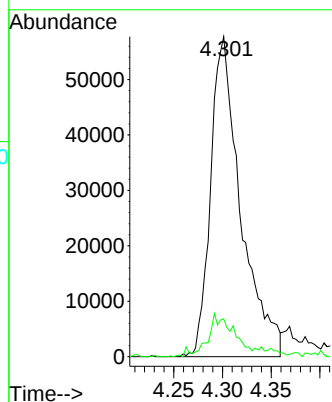
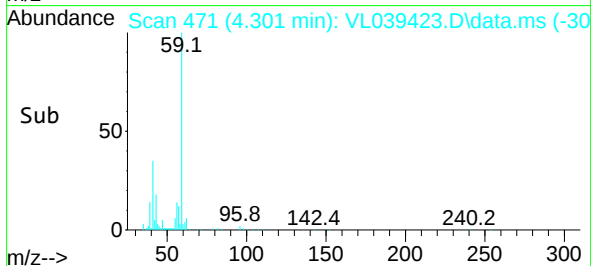
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 59 Resp: 12390
Ion Ratio Lower Upper
59 100
57 13.5 8.7 13.1

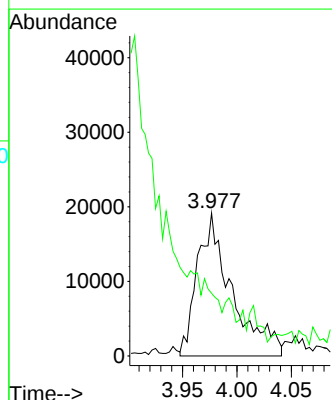
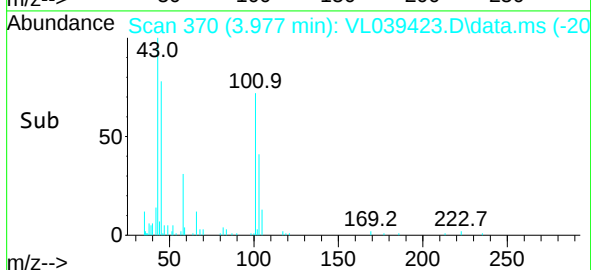
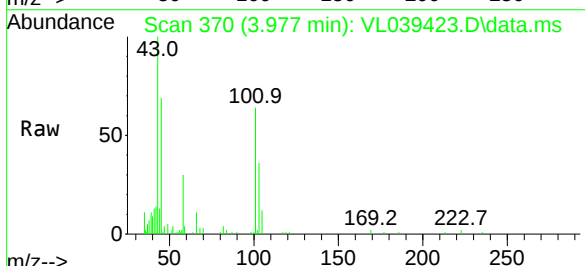
Manual Integrations
APPROVED

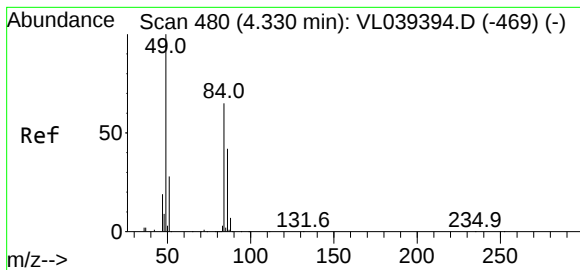
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#19
Isopropyl Alcohol
Concen: 0.504 ppbv m
RT: 3.977 min Scan# 370
Delta R.T. 0.029 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

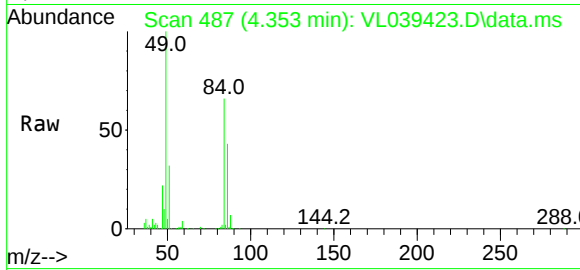
Tgt Ion: 45 Resp: 42365
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8





#20
Methylene Chloride
Concen: 3.262 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.023 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

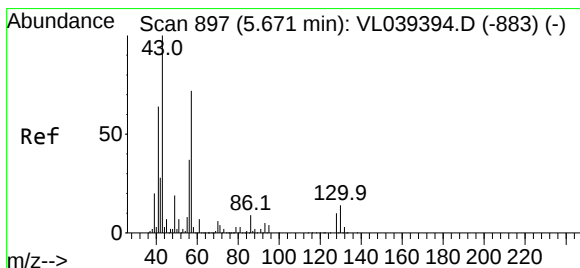
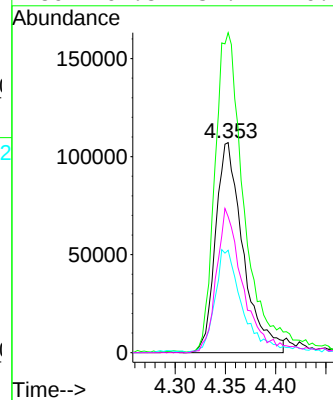
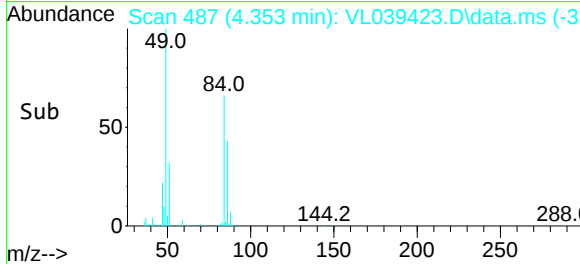
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 204940
Ion Ratio Lower Upper
84 100
49 150.4 123.1 184.7
51 48.0 34.4 51.6
86 64.8 51.1 76.7

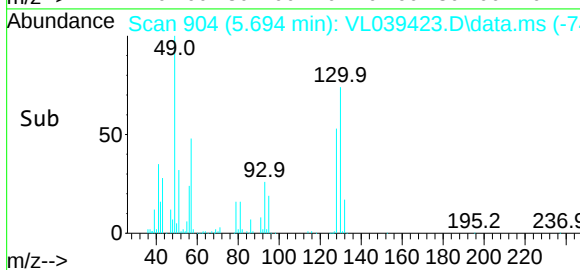
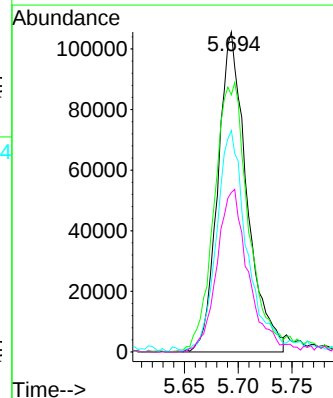
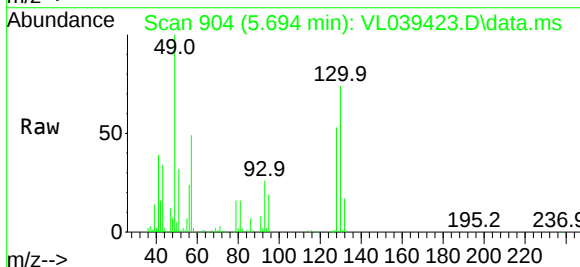
Manual Integrations
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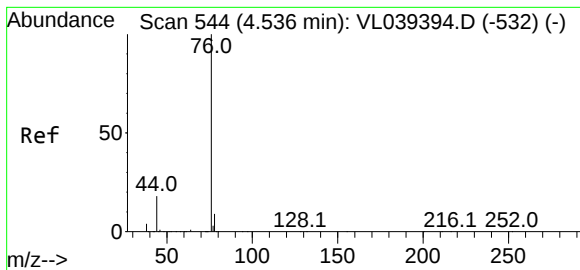
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#26
Hexane
Concen: 1.520 ppbv
RT: 5.694 min Scan# 904
Delta R.T. 0.023 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

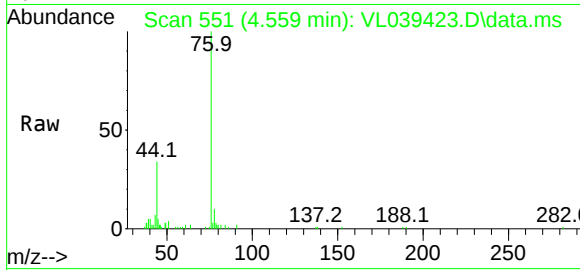
Tgt Ion: 57 Resp: 198102
Ion Ratio Lower Upper
57 100
41 104.0 76.9 115.3
43 75.5 191.0 286.6#
56 57.3 43.2 64.8





#27
Carbon Disulfide
Concen: 0.236 ppbv
RT: 4.559 min Scan# 511
Delta R.T. 0.023 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

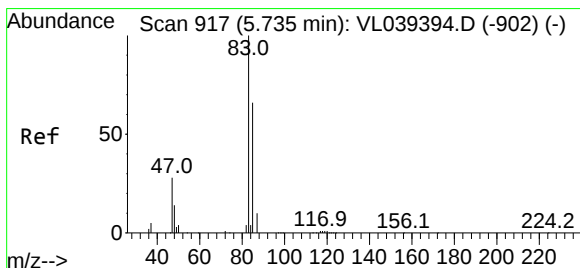
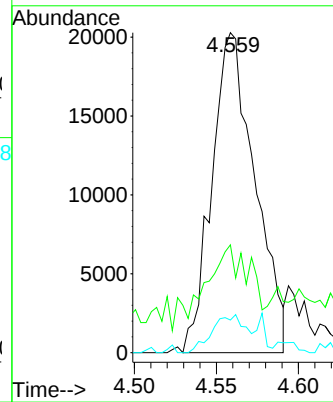
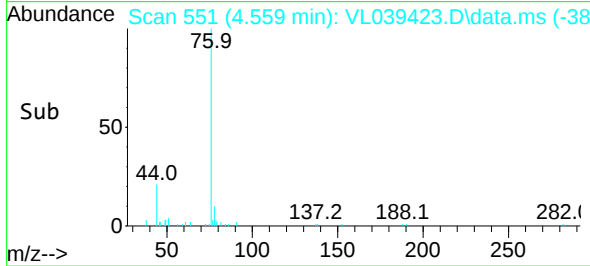
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 76 Resp: 37098
Ion Ratio Lower Upper
76 100
44 32.4 14.6 21.8
78 0.0 7.8 11.6

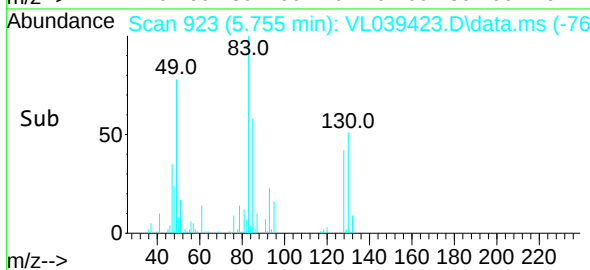
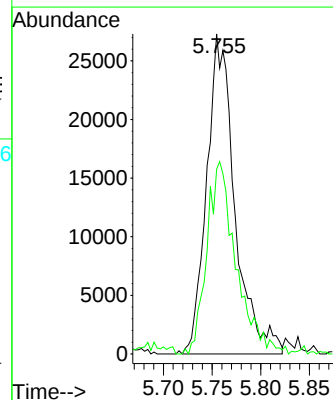
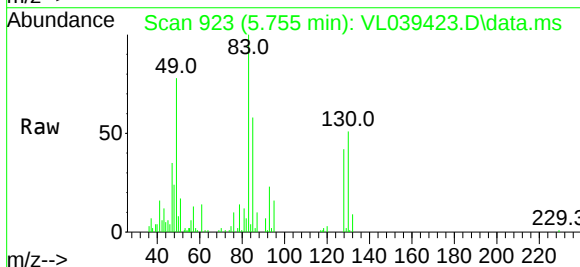
Manual Integrations
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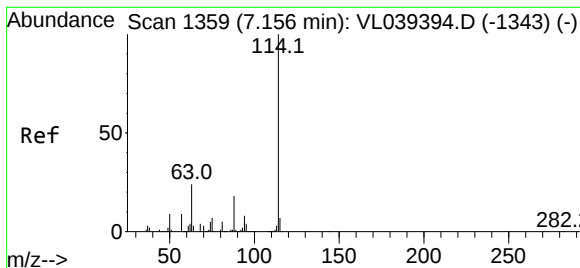
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#29
Chloroform
Concen: 0.242 ppbv m
RT: 5.755 min Scan# 923
Delta R.T. 0.019 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

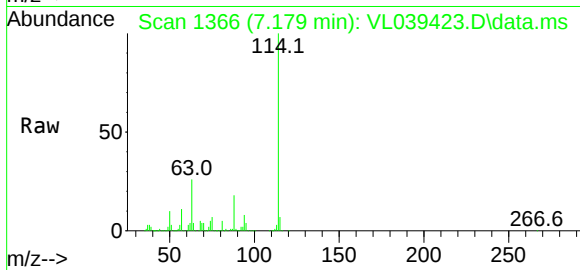
Tgt Ion: 83 Resp: 54874
Ion Ratio Lower Upper
83 100
85 57.7 52.8 79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1114
Delta R.T. 0.023 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

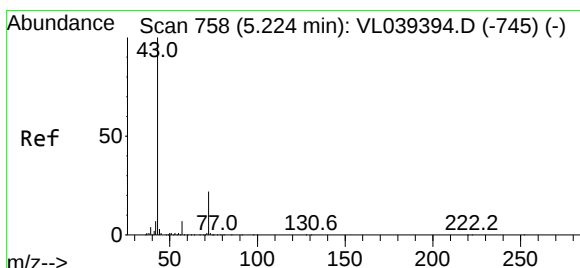
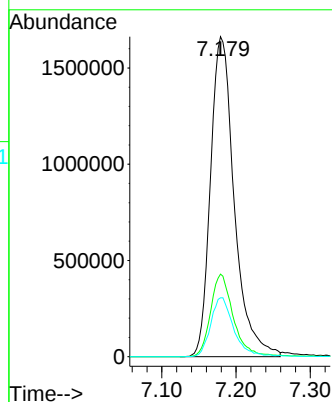
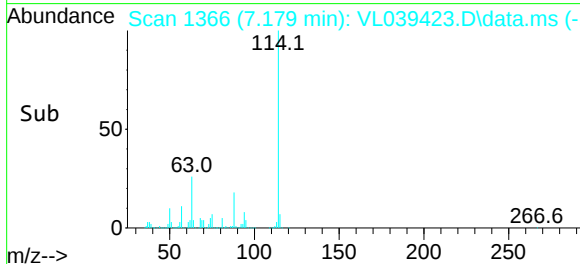
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:114 Resp: 369612
Ion Ratio Lower Upper
114 100
63 25.0 20.2 30.4
88 18.1 14.5 21.7

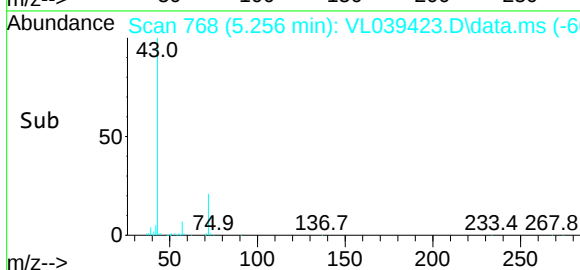
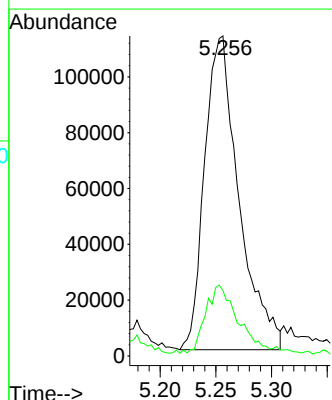
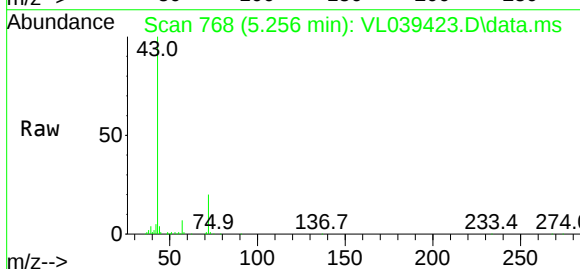
Manual Integrations
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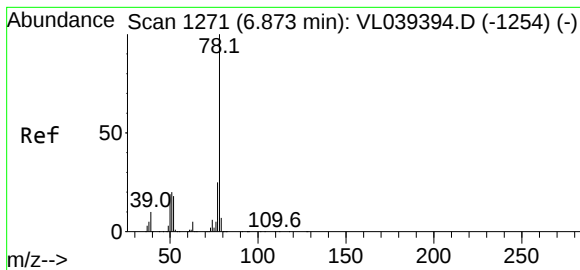
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#34
2-Butanone
Concen: 1.297 ppbv
RT: 5.256 min Scan# 768
Delta R.T. 0.032 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

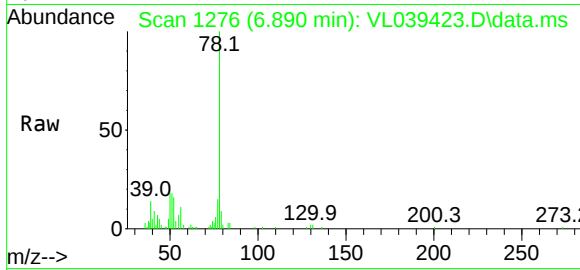
Tgt Ion: 43 Resp: 241406
Ion Ratio Lower Upper
43 100
72 24.0 17.9 26.9





#36
Benzene
Concen: 0.134 ppbv m
RT: 6.890 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

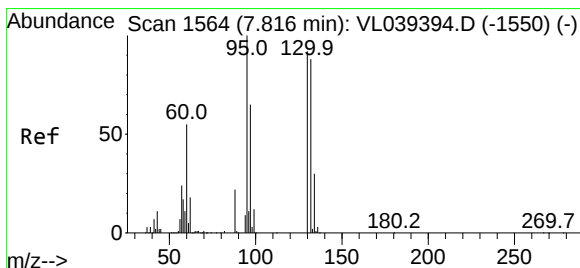
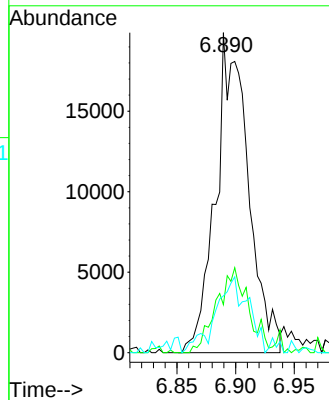
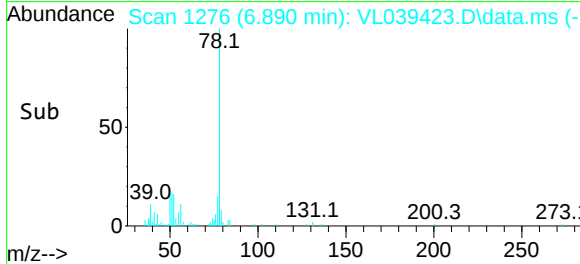
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 3840
Ion Ratio Lower Upper
78 100
77 15.0 20.3 30.5
50 17.8 15.5 23.3

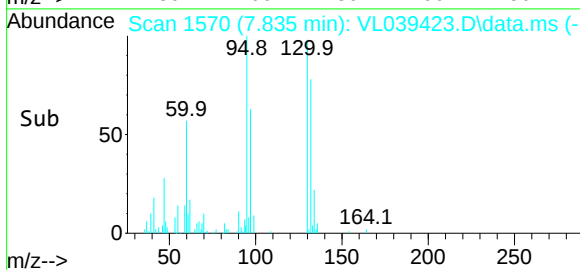
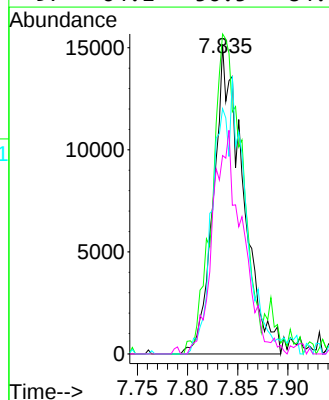
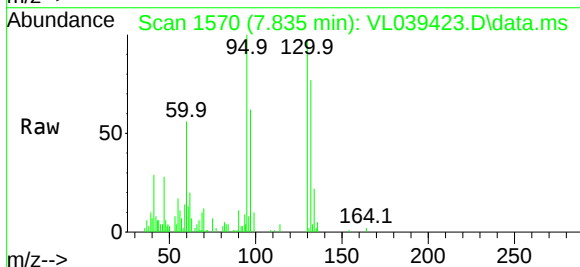
Manual Integrations
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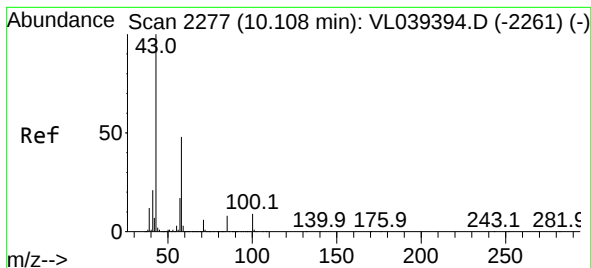
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#38
Trichloroethene
Concen: 0.199 ppbv m
RT: 7.835 min Scan# 1570
Delta R.T. 0.019 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

Tgt Ion:130 Resp: 30848
Ion Ratio Lower Upper
130 100
95 103.4 87.3 130.9
132 79.3 76.7 115.1
97 64.1 56.5 84.7





#51

2-Hexanone

Concen: 0.139 ppbv m

RT: 10.147 min Scan# 21

Delta R.T. 0.039 min

Lab File: VL039423.D

Acq: 5 Jul 2022 17:26

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 43 Resp: 29580

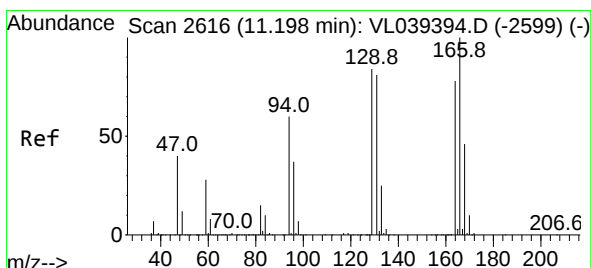
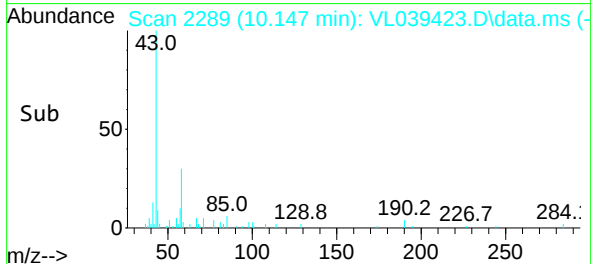
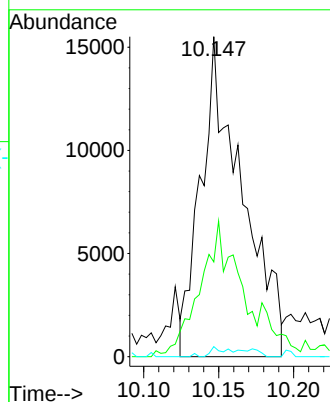
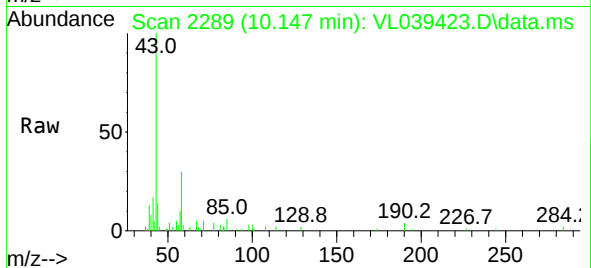
Ion	Ratio	Lower	Upper
43	100		
58	47.1	38.4	57.6
98	2.4	0.3	0.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022

Supervised By :Mahesh Dadoda 07/07/2022



#52

Tetrachloroethene

Concen: 5.820 ppbv

RT: 11.227 min Scan# 2625

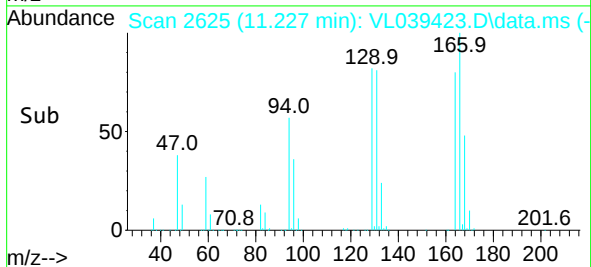
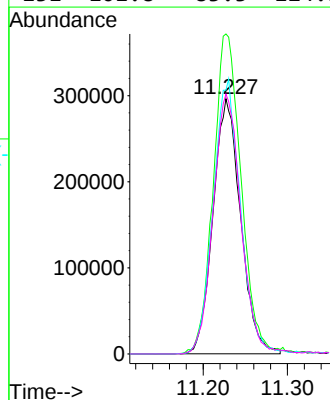
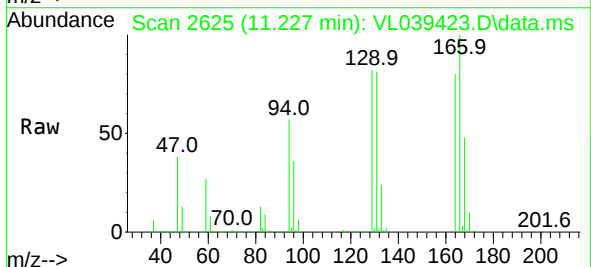
Delta R.T. 0.029 min

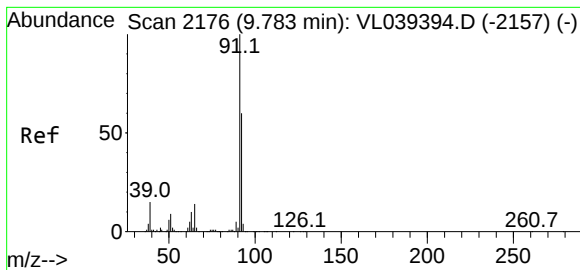
Lab File: VL039423.D

Acq: 5 Jul 2022 17:26

Tgt Ion:164 Resp: 670172

Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.2	153.2
129	103.4	85.8	128.8
131	101.8	83.3	124.9





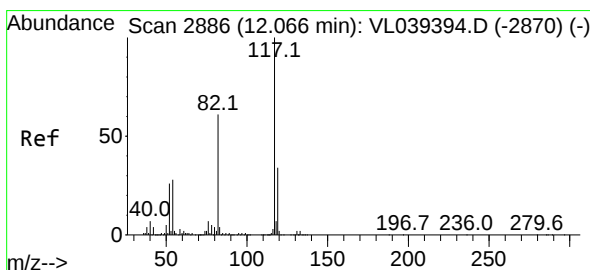
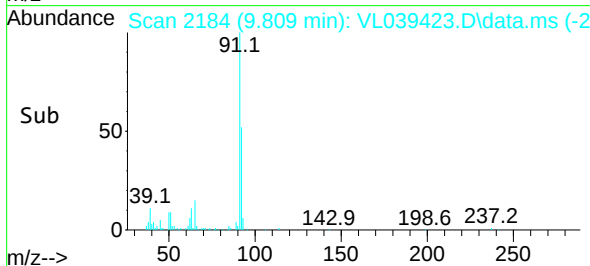
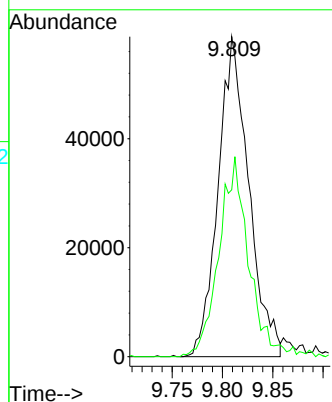
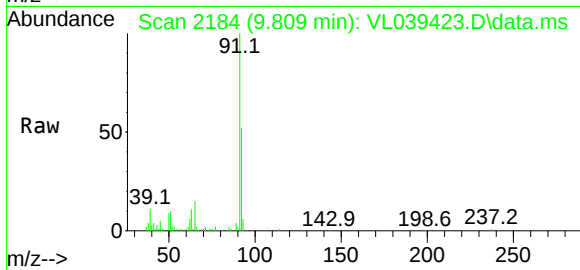
#53
Toluene
Concen: 0.377 ppbv
RT: 9.809 min Scan# 2176
Delta R.T. 0.026 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 12445
Ion Ratio Lower Upper
91 100
92 61.1 48.2 72.2

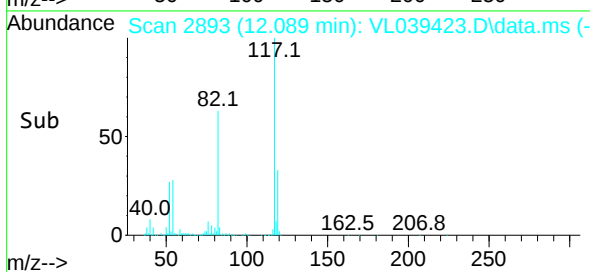
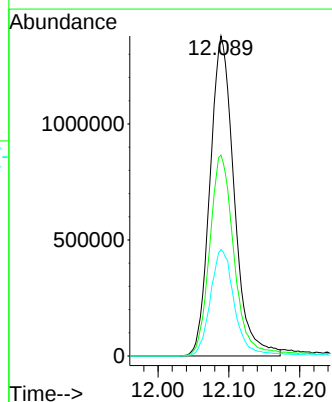
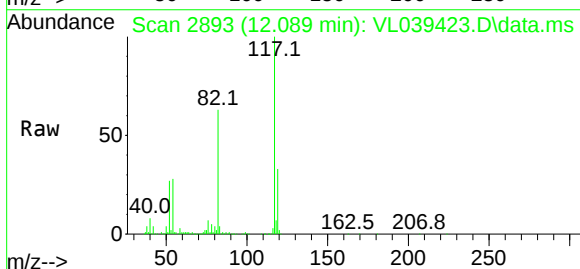
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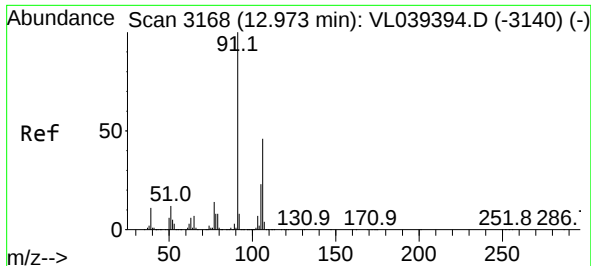
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. 0.023 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

Tgt Ion:117 Resp: 3257743
Ion Ratio Lower Upper
117 100
82 64.5 50.8 76.2
119 33.6 24.1 36.1





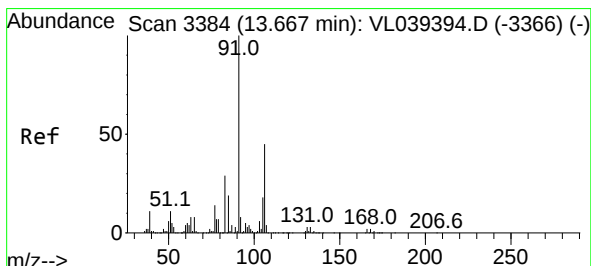
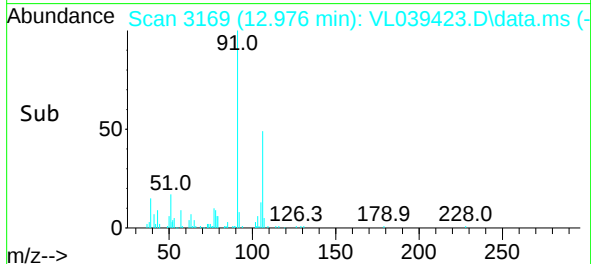
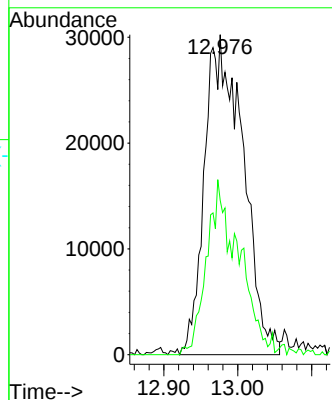
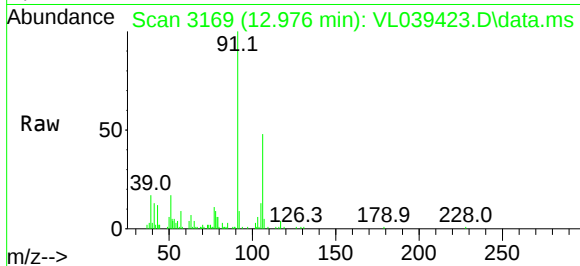
#59
m/p-Xylene
Concen: 0.294 ppbv m
RT: 12.976 min Scan# 3169
Delta R.T. 0.003 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 10905
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

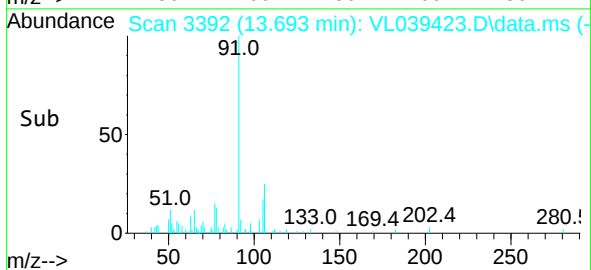
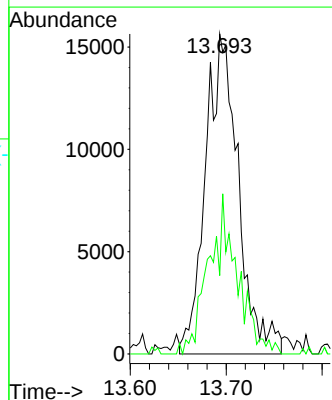
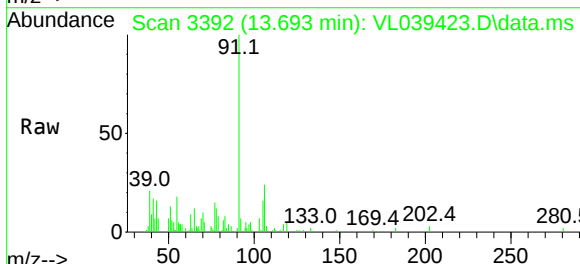
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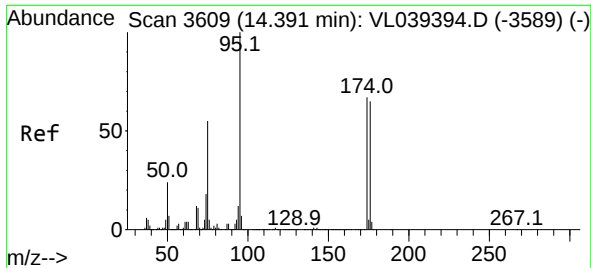
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#60
o-Xylene
Concen: 0.106 ppbv m
RT: 13.693 min Scan# 3392
Delta R.T. 0.026 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

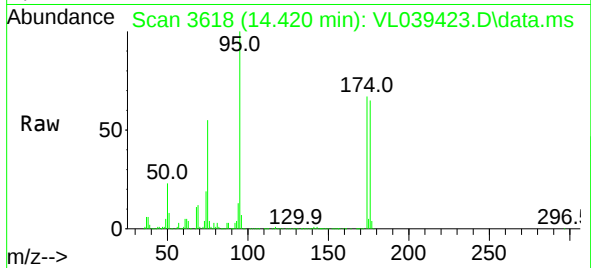
Tgt Ion: 91 Resp: 37116
Ion Ratio Lower Upper
91 100
106 43.4 22.4 67.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.098 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.029 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26

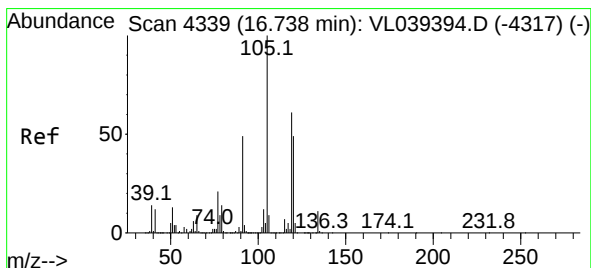
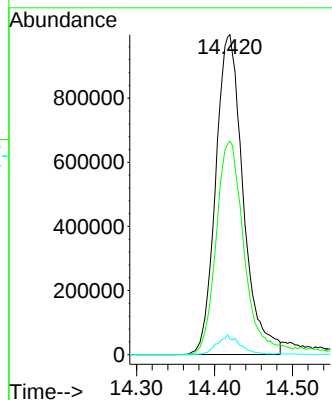
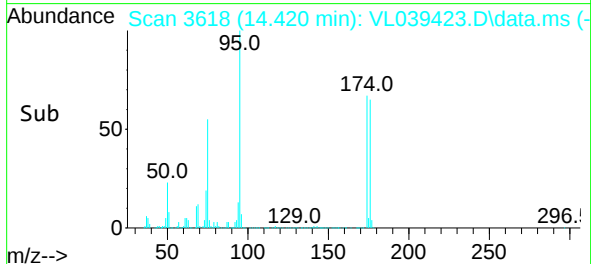
Instrument :
MSVOA_L
ClientSampleId :
SV1



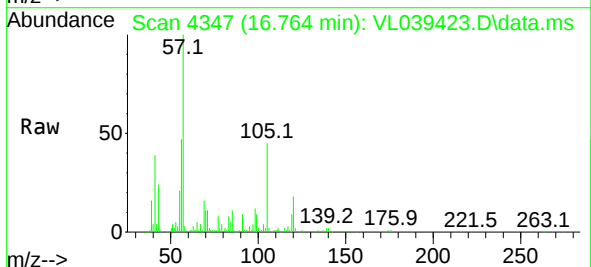
Tgt Ion: 95 Resp: 2440340
Ion Ratio Lower Upper
95 100
174 71.8 55.9 83.9
175 5.3 4.2 6.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.166 ppbv m
RT: 16.764 min Scan# 4347
Delta R.T. 0.026 min
Lab File: VL039423.D
Acq: 5 Jul 2022 17:26



Tgt Ion:105 Resp: 69825
Ion Ratio Lower Upper
105 100
120 40.5 39.5 59.3
91 20.0 39.2 58.8#
77 18.2 17.2 25.8

