

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039549.D
 Acq On : 17 Aug 2022 15:37
 Operator : SY/AP
 Sample : N4125-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/18/2022
 Supervised By :Mahesh Dadoda 08/19/2022

Quant Time: Aug 18 05:38:15 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 12:06:24 2022

QLast Update : Wed Aug 17 12:06:24 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1113713	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2850381	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2604938	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2059020 10.500 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	20315m	0.136	ppbv	
9) Propene	2.719	41	86535	1.423	ppbv	93
10) Heptane	7.587	43	40170m	0.284	ppbv	
13) Ethanol	3.269	45	10296m	2.353	ppbv	
15) Acetone	3.491	43	662056	5.262	ppbv	94
17) tert-Butyl alcohol	3.915	59	32368m	0.301	ppbv	
19) Isopropyl Alcohol	3.610	45	17899m	0.291	ppbv	
20) Methylene Chloride	3.954	84	119333	2.329	ppbv	98
26) Hexane	5.224	57	133065	1.209	ppbv #	40
27) Carbon Disulfide	4.144	76	17008m	0.145	ppbv	
30) Cyclohexane	6.613	84	88834	0.972	ppbv #	100
34) 2-Butanone	4.812	43	77399m	0.540	ppbv	
36) Benzene	6.378	78	27682m	0.127	ppbv	
53) Toluene	9.227	91	394362	1.620	ppbv	98
58) Ethyl Benzene	12.092	91	156631	0.519	ppbv	97
59) m/p-Xylene	12.349	91	566667m	2.089	ppbv	
60) o-Xylene	13.060	91	193311m	0.743	ppbv	
64) n-propylbenzene	14.915	120	22784m	0.222	ppbv	
72) 4-Ethyltoluene	15.198	105	135895	0.445	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.359	105	102472m	0.367	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	479766	1.542	ppbv #	67
79) Naphthalene	21.394	128	84875m	0.383	ppbv	
80) Naphthalene,2-methyl-	24.374	142	17353	0.198	ppbv #	100

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

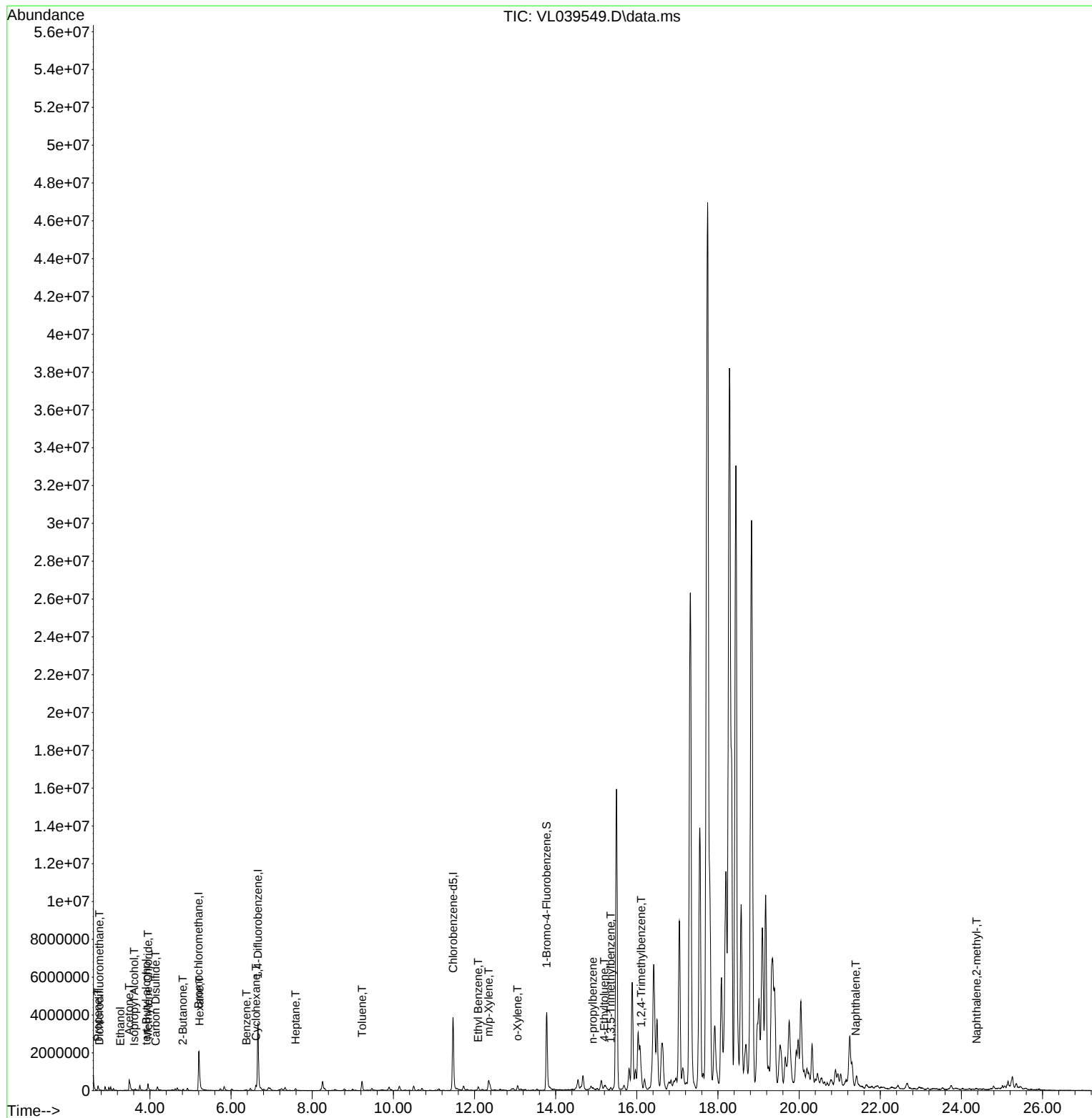
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
Data File : VL039549.D
Acq On : 17 Aug 2022 15:37
Operator : SY/AP
Sample : N4125-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

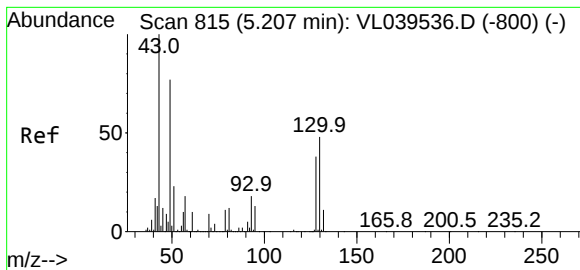
Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
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Supervised By : Mahesh Dadoda 08/19/2022

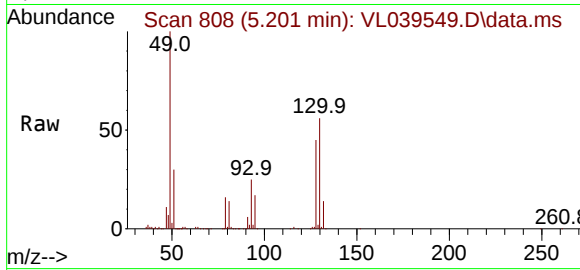
Quant Time: Aug 18 05:38:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 17 12:06:24 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

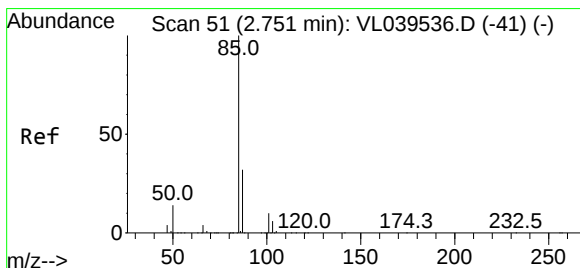
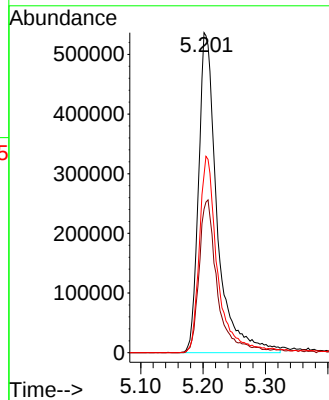
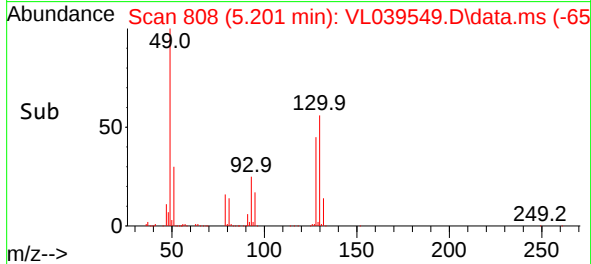
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 111371
Ion Ratio Lower Upper
49 100
128 48.2 25.7 77.0
130 61.1 31.6 95.0

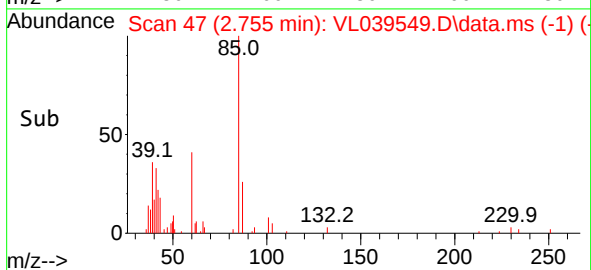
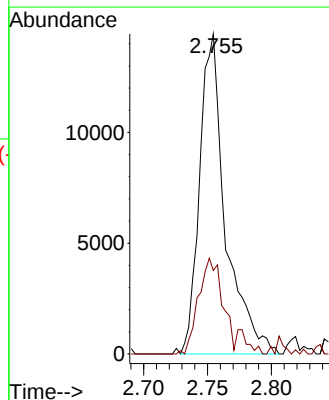
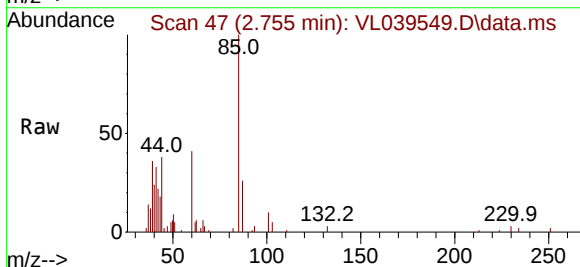
Manual Integrations
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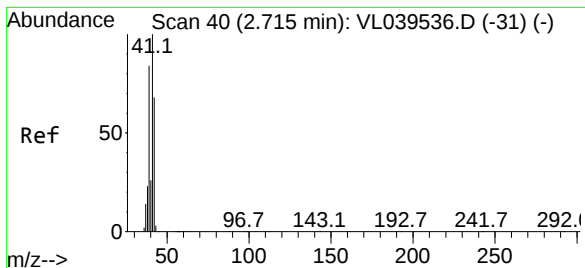
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#2
Dichlorodifluoromethane
Concen: 0.136 ppbv m
RT: 2.755 min Scan# 47
Delta R.T. 0.004 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

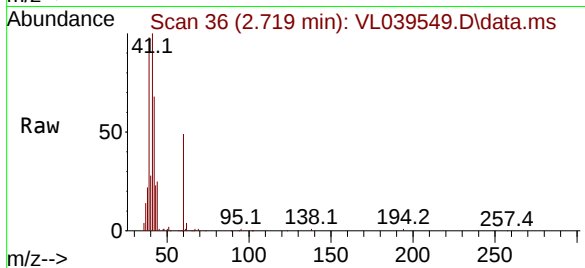
Tgt Ion: 85 Resp: 20315
Ion Ratio Lower Upper
85 100
87 26.1 25.9 38.9





#9
 Propene
 Concen: 1.423 ppbv
 RT: 2.719 min Scan# 30
 Delta R.T. 0.004 min
 Lab File: VL039549.D
 Acq: 17 Aug 2022 15:37

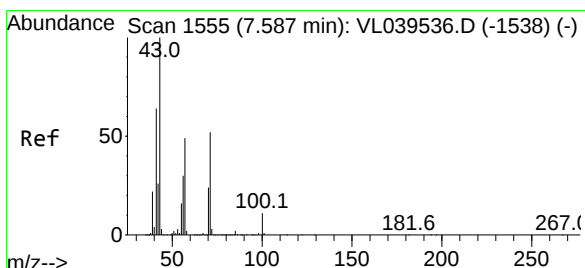
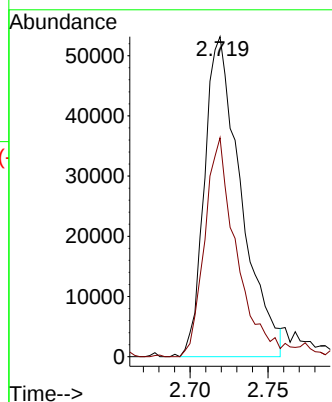
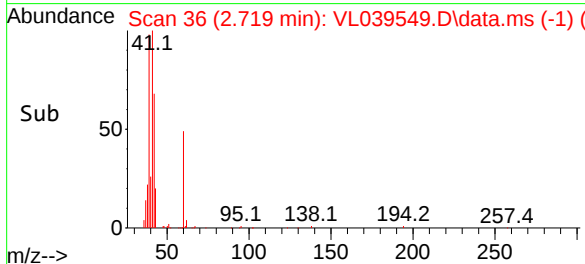
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



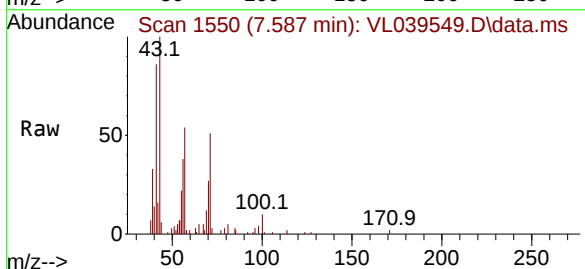
Tgt Ion: 41 Resp: 8653
 Ion Ratio Lower Upper
 41 100
 42 63.6 55.4 83.0

Manual Integrations
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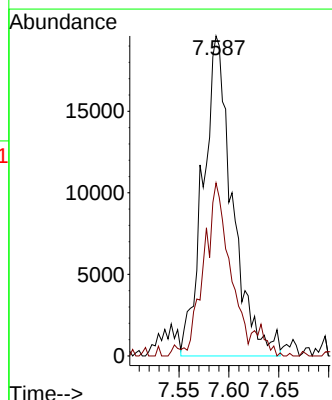
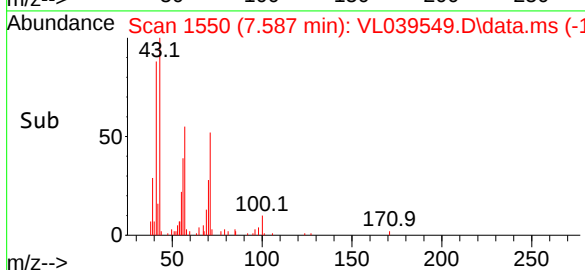
Reviewed By :Semsettin Yesilyurt 08/18/2022
 Supervised By :Mahesh Dadoda 08/19/2022

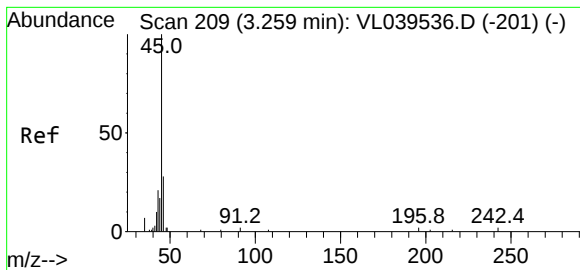


#10
 Heptane
 Concen: 0.284 ppbv m
 RT: 7.587 min Scan# 1550
 Delta R.T. 0.001 min
 Lab File: VL039549.D
 Acq: 17 Aug 2022 15:37



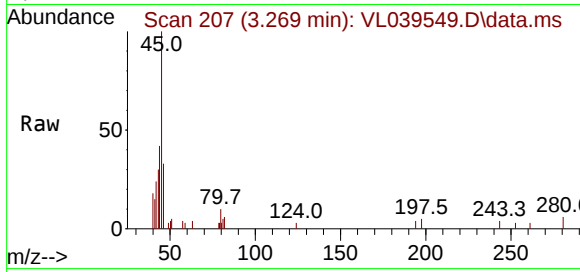
Tgt Ion: 43 Resp: 40170
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.8 59.6#





#13
Ethanol
Concen: 2.353 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.010 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

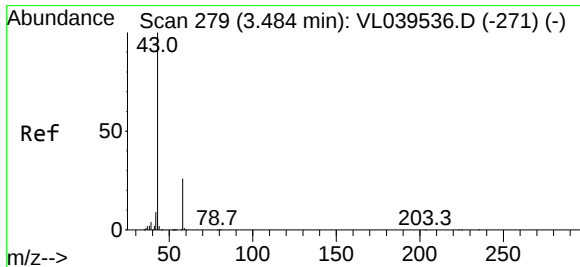
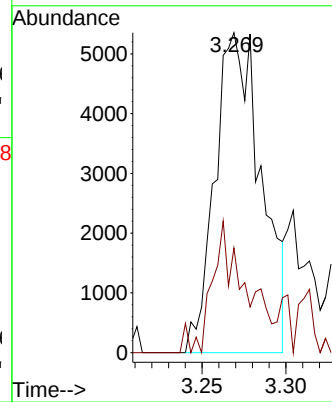
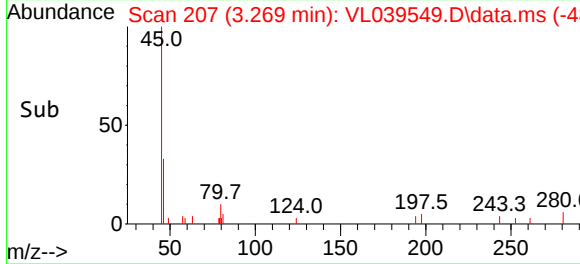
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 10290
Ion Ratio Lower Upper
45 100
46 34.0 19.3 77.1

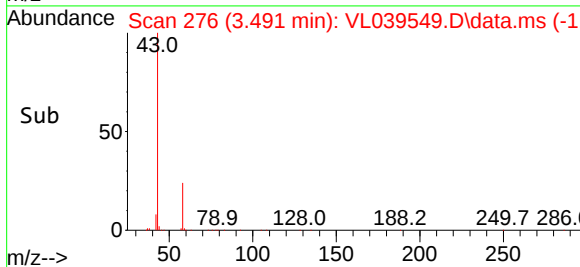
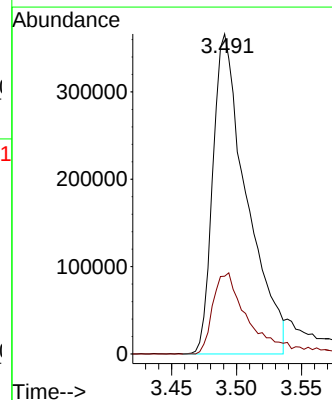
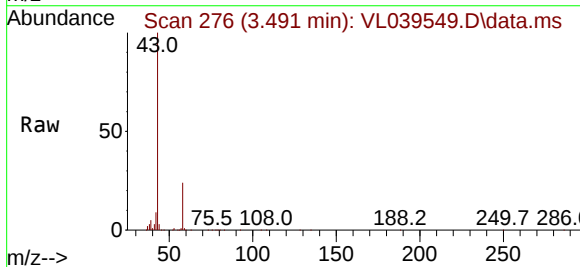
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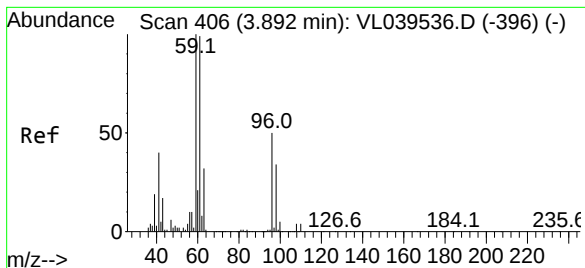
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#15
Acetone
Concen: 5.262 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.007 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

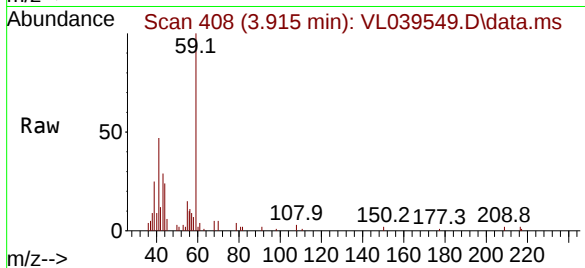
Tgt Ion: 43 Resp: 662056
Ion Ratio Lower Upper
43 100
58 28.8 20.7 31.1





#17
tert-Butyl alcohol
Concen: 0.301 ppbv m
RT: 3.915 min Scan# 408
Delta R.T. 0.023 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

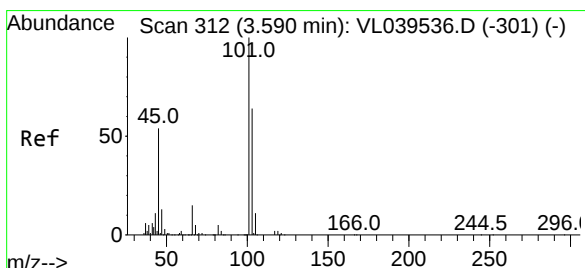
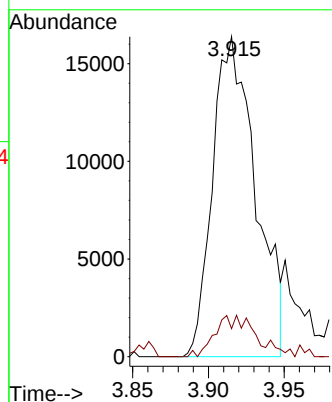
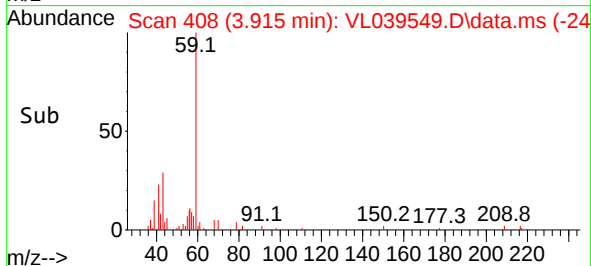
Instrument :
MSVOA_L
ClientSampleId :
SV1



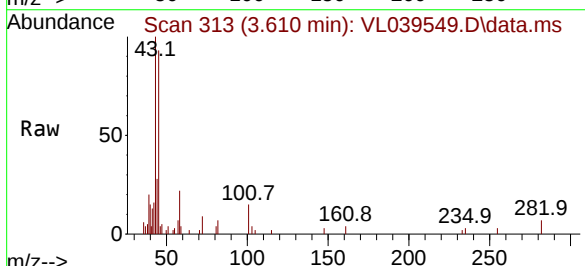
Tgt Ion: 59 Resp: 3236
Ion Ratio Lower Upper
59 100
57 12.2 8.6 12.8

Manual Integrations
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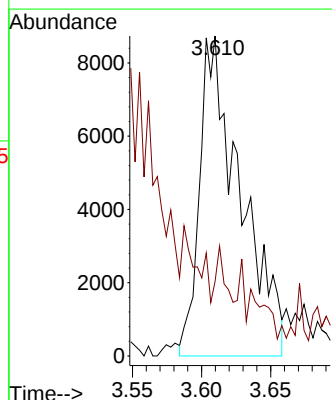
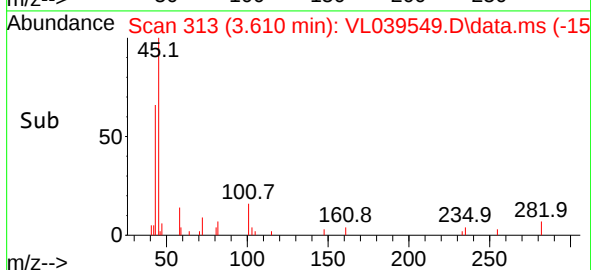
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022

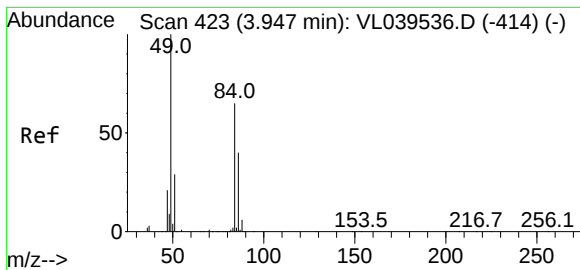


#19
Isopropyl Alcohol
Concen: 0.291 ppbv m
RT: 3.610 min Scan# 313
Delta R.T. 0.020 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37



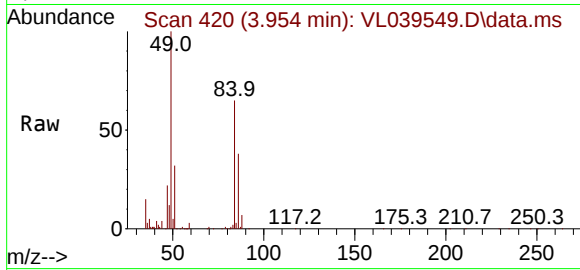
Tgt Ion: 45 Resp: 17899
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0





#20
Methylene Chloride
Concen: 2.329 ppbv
RT: 3.954 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

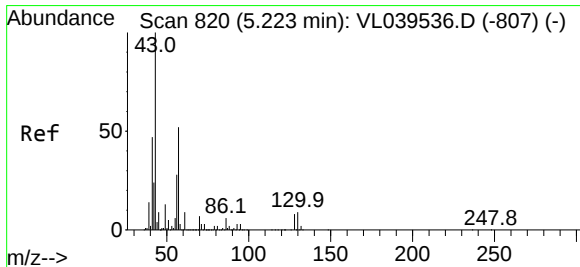
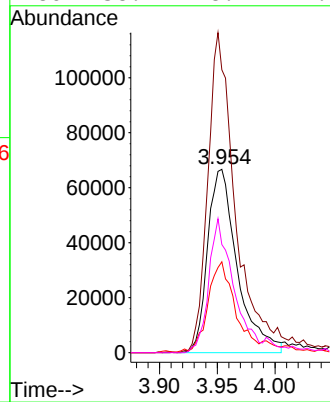
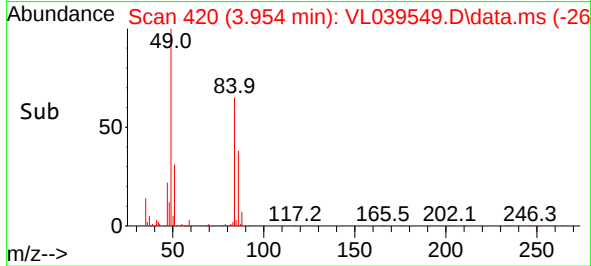
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	84	Resp:	11933
Ion	Ratio	Lower	Upper
84	100		
49	153.8	122.2	183.4
51	48.5	35.8	53.6
86	58.9	48.4	72.6

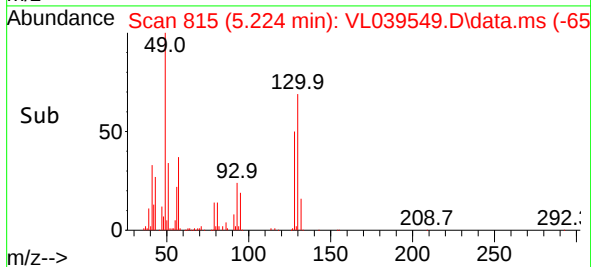
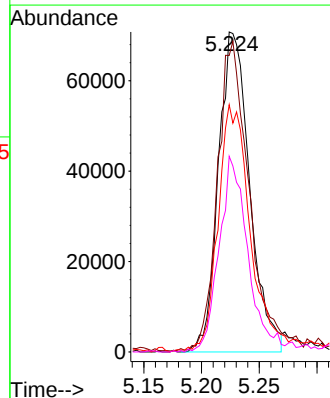
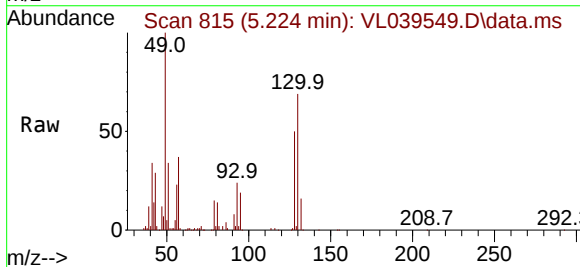
Manual Integrations
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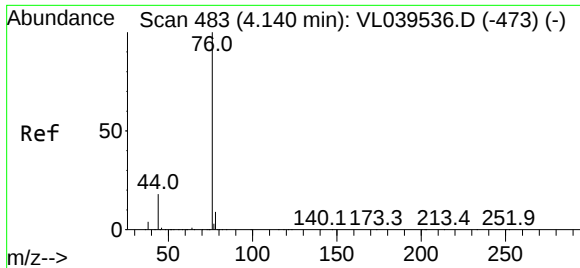
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#26
Hexane
Concen: 1.209 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.001 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

Tgt Ion:	57	Resp:	133065
Ion	Ratio	Lower	Upper
57	100		
41	100.4	79.4	119.2
43	84.6	199.7	299.5#
56	59.6	44.0	66.0





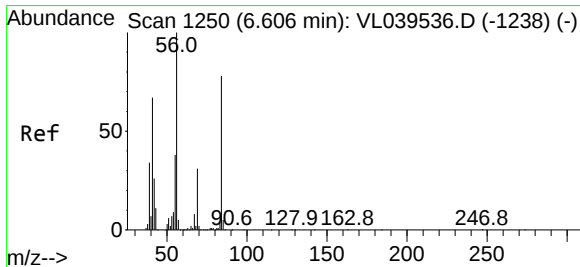
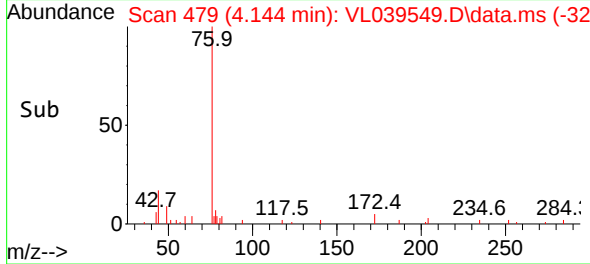
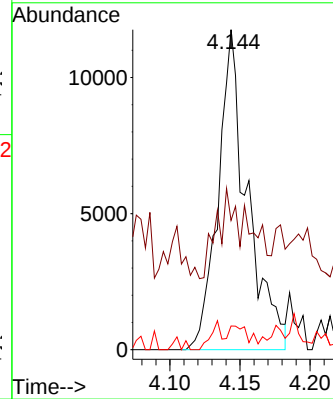
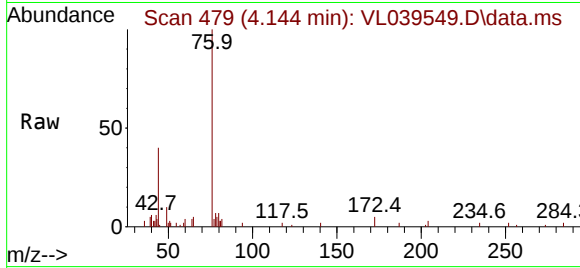
#27
Carbon Disulfide
Concen: 0.145 ppbv m
RT: 4.144 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 76 Resp: 17008
Ion Ratio Lower Upper
76 100
44 46.6 16.3 24.5
78 7.6 7.8 11.6

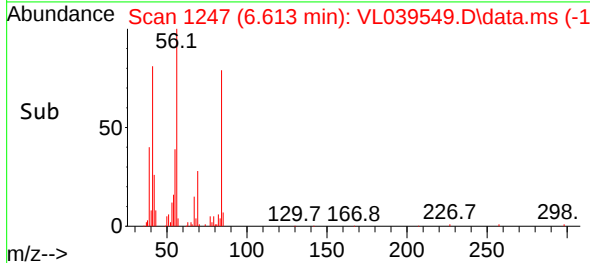
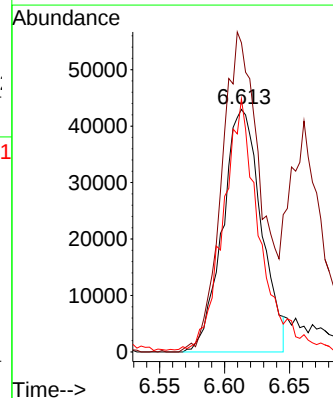
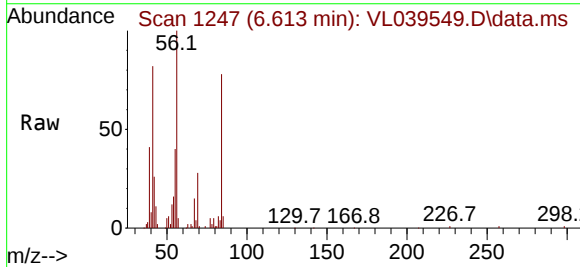
Manual Integrations
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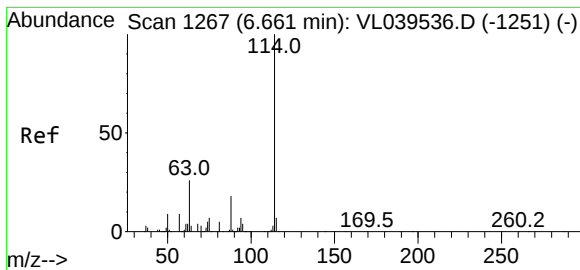
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#30
Cyclohexane
Concen: 0.972 ppbv
RT: 6.613 min Scan# 1247
Delta R.T. 0.007 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

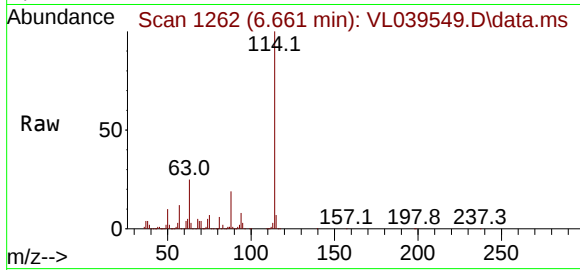
Tgt Ion: 84 Resp: 88834
Ion Ratio Lower Upper
84 100
56 128.7 0.0 0.0#
41 98.5 0.0 0.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 114
Delta R.T. 0.001 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

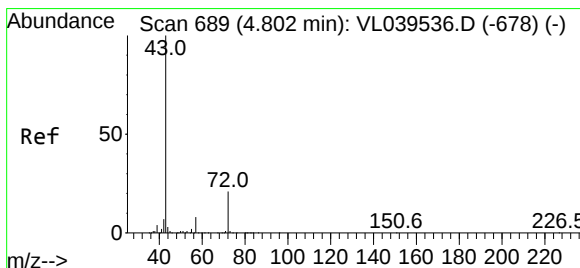
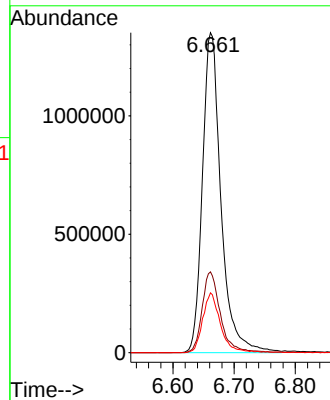
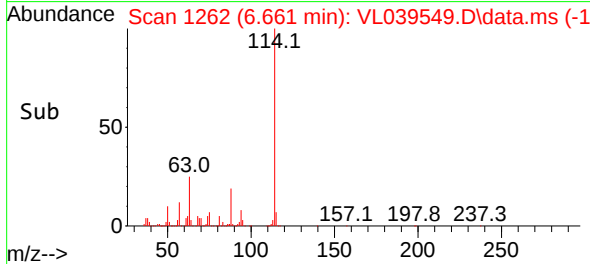
Instrument :
MSVOA_L
ClientSampleId :
SV1



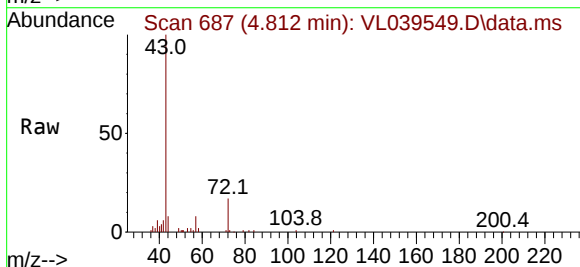
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Ion Ratio Lower Upper
114 100
63 25.1 20.6 31.0
88 18.1 14.6 22.0

Manual Integrations
APPROVED

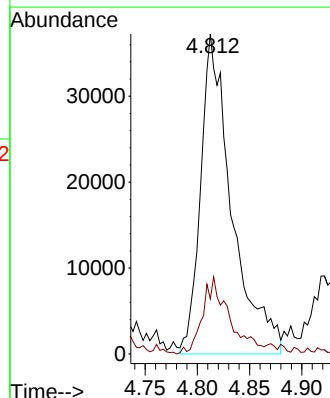
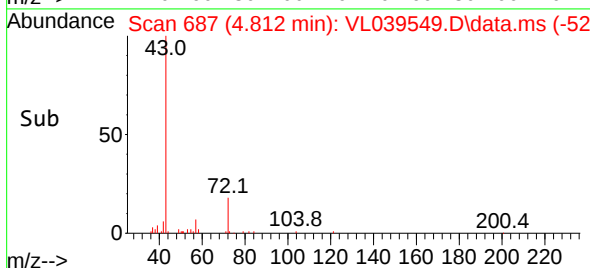
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022

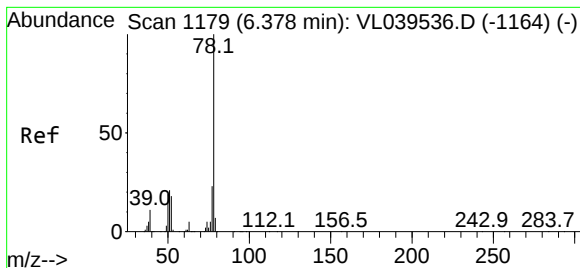


#34
2-Butanone
Concen: 0.540 ppbv m
RT: 4.812 min Scan# 687
Delta R.T. 0.010 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37



Tgt Ion: 43 Resp: 77399
Ion Ratio Lower Upper
43 100
72 22.6 17.4 26.0





#36

Benzene

Concen: 0.127 ppbv

RT: 6.378 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VL039549.D

Acq: 17 Aug 2022 15:37

Instrument :

MSVOA_L

ClientSampleId :

SV1

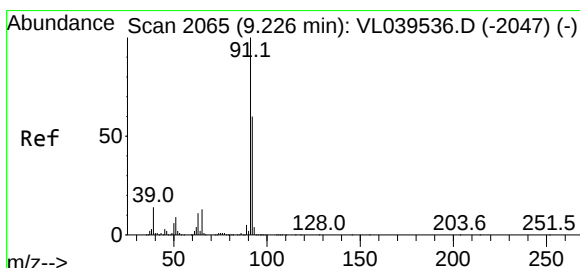
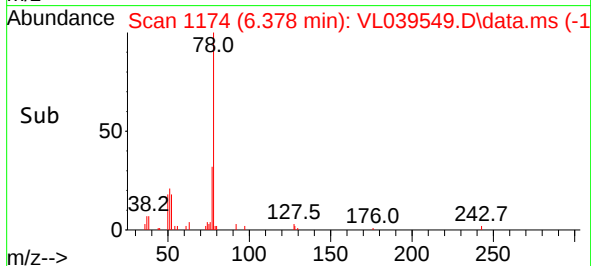
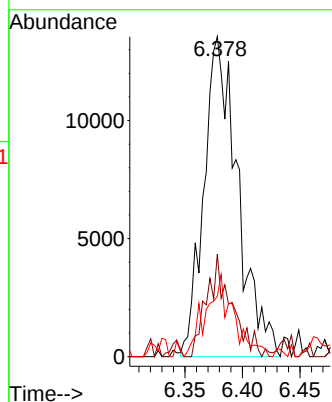
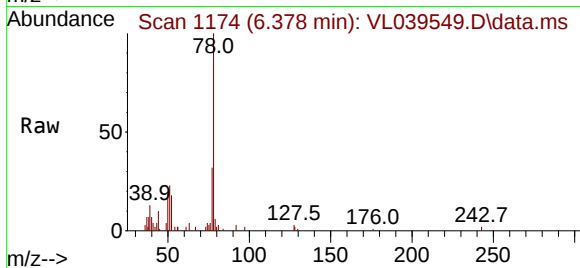
Tgt Ion: 78 Resp: 2768

Ion	Ratio	Lower	Upper
78	100		
77	32.1	18.6	27.8
50	18.9	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#53

Toluene

Concen: 1.620 ppbv

RT: 9.227 min Scan# 2060

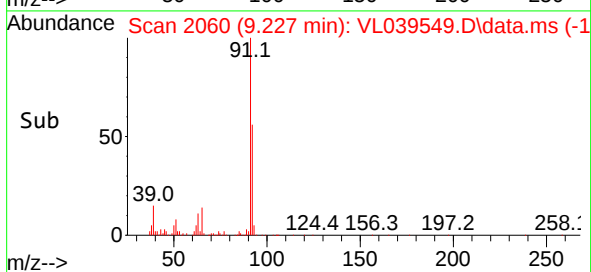
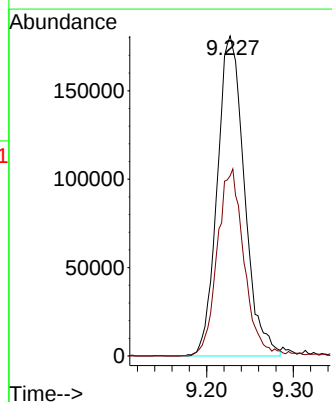
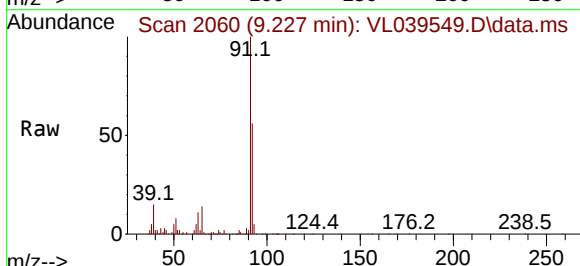
Delta R.T. 0.001 min

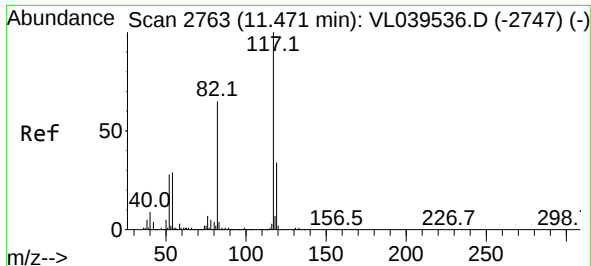
Lab File: VL039549.D

Acq: 17 Aug 2022 15:37

Tgt Ion: 91 Resp: 394362

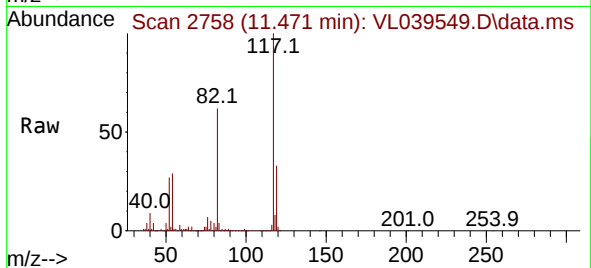
Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.9	71.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2763
Delta R.T. 0.001 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

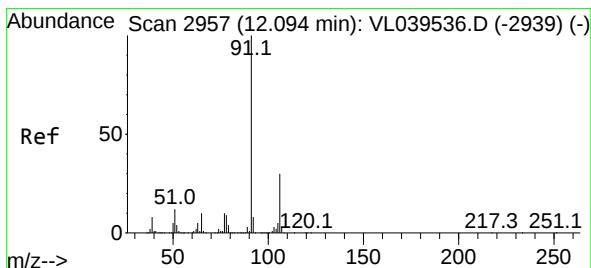
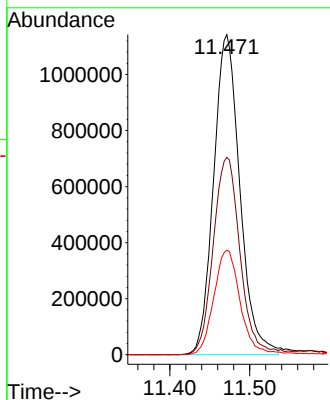
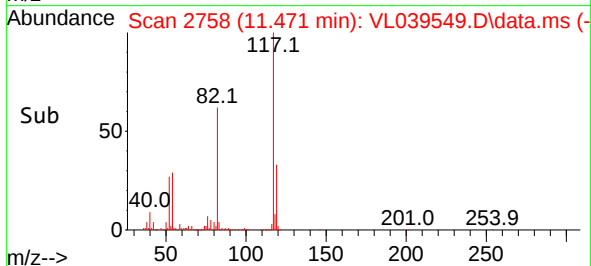
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:117 Resp: 2604938
Ion Ratio Lower Upper
117 100
82 63.2 49.1 73.7
119 33.2 25.9 38.9

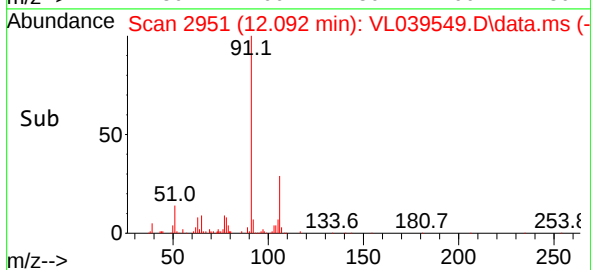
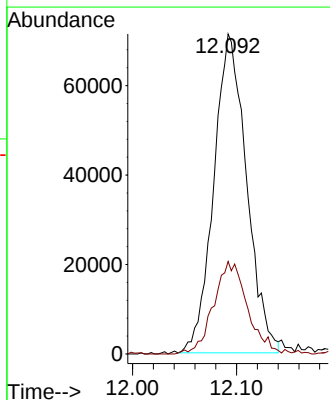
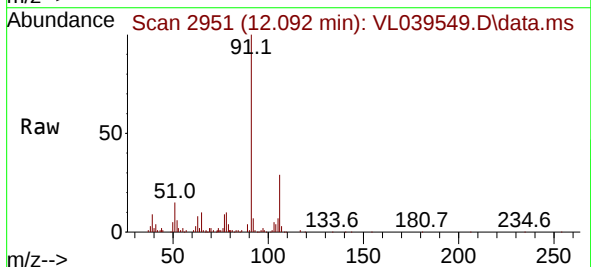
Manual Integrations
APPROVED

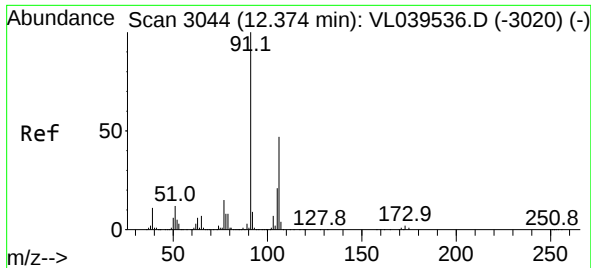
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#58
Ethyl Benzene
Concen: 0.519 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

Tgt Ion: 91 Resp: 156631
Ion Ratio Lower Upper
91 100
106 28.8 24.2 36.4





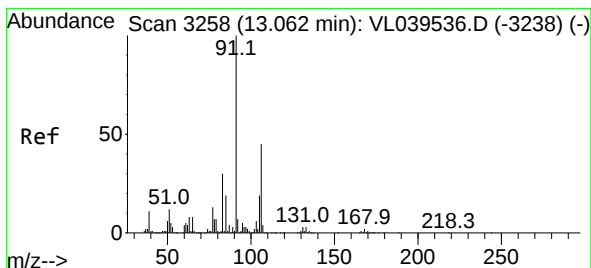
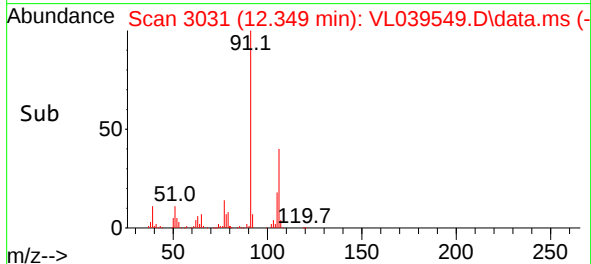
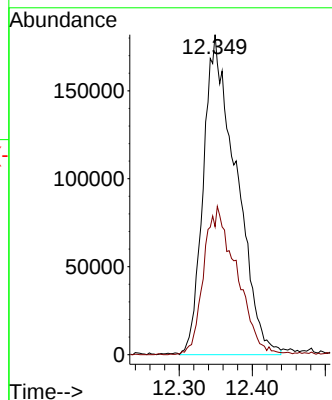
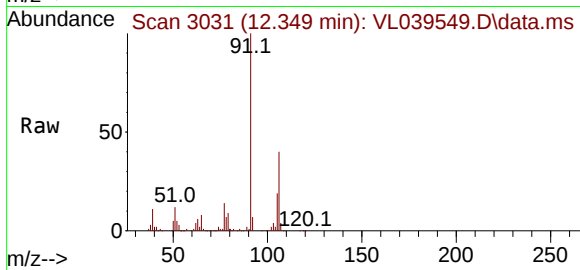
#59
m/p-Xylene
Concen: 2.089 ppbv m
RT: 12.349 min Scan# 3044
Delta R.T. -0.025 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 56666
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

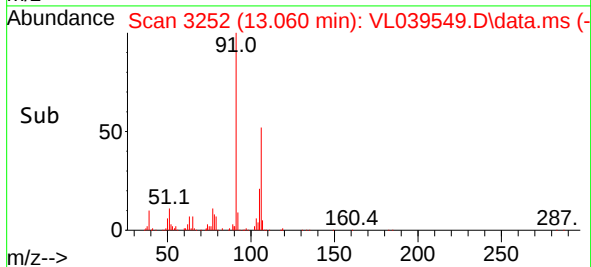
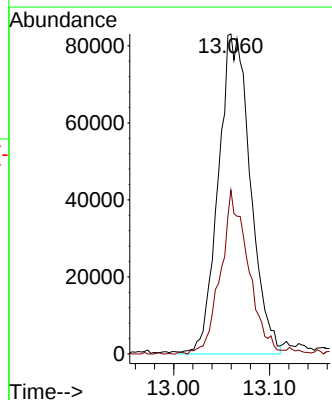
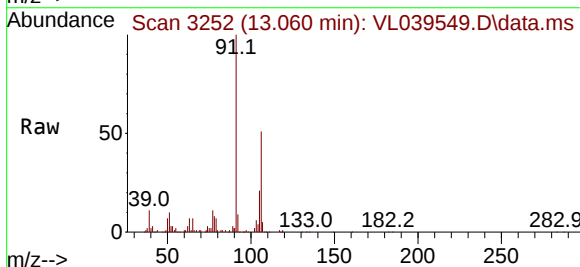
Manual Integrations
APPROVED

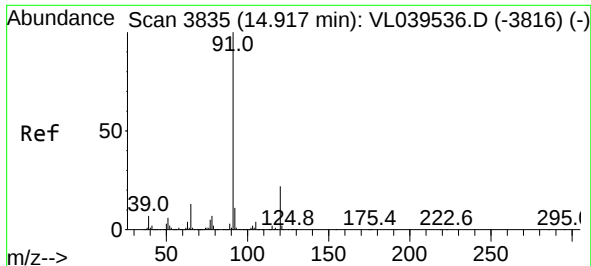
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#60
o-Xylene
Concen: 0.743 ppbv m
RT: 13.060 min Scan# 3252
Delta R.T. -0.003 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

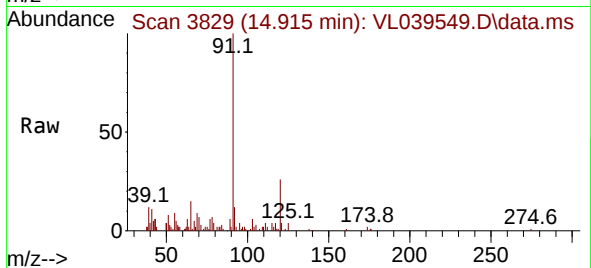
Tgt Ion: 91 Resp: 193311
Ion Ratio Lower Upper
91 100
106 0.0 22.7 68.0#





#64
n-propylbenzene
Concen: 0.222 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. -0.003 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

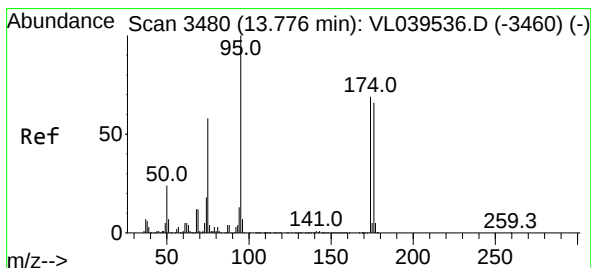
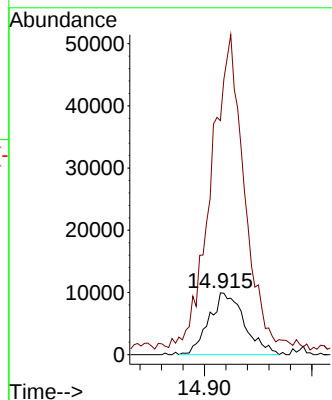
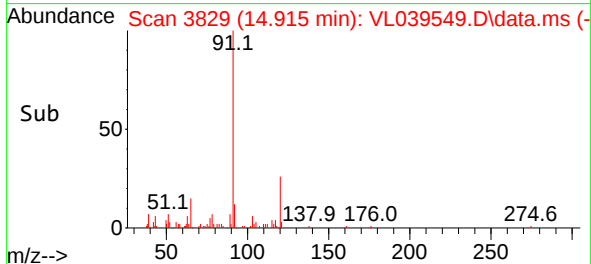
Instrument : MSVOA_L
ClientSampleId : SV1



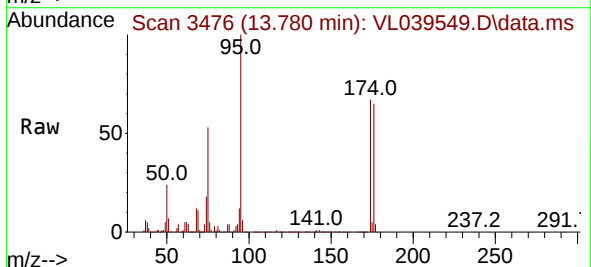
Tgt Ion: 120 Resp: 22784
Ion Ratio Lower Upper
120 100
91 494.6 372.6 559.0

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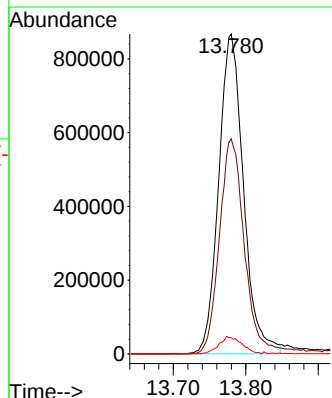
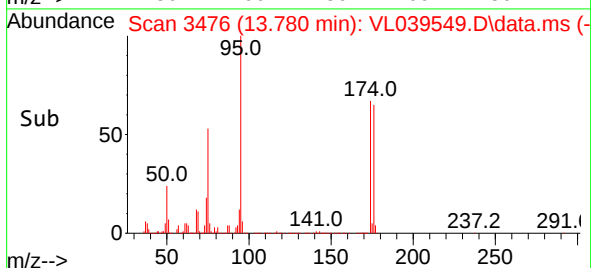
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022

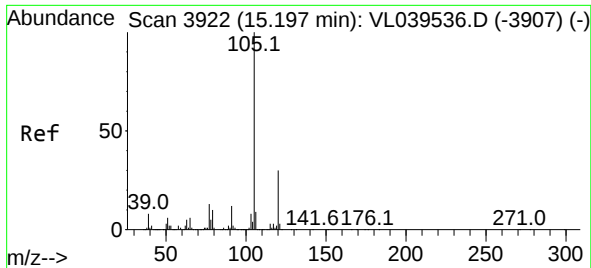


#68
1-Bromo-4-Fluorobenzene
Concen: 10.500 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.004 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37



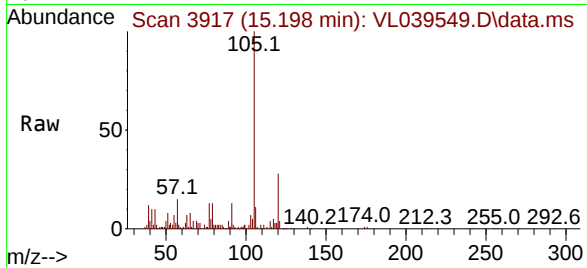
Tgt Ion: 95 Resp: 2059020
Ion Ratio Lower Upper
95 100
174 68.8 56.3 84.5
175 5.4 4.3 6.5





#72
4-Ethyltoluene
Concen: 0.445 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.001 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37

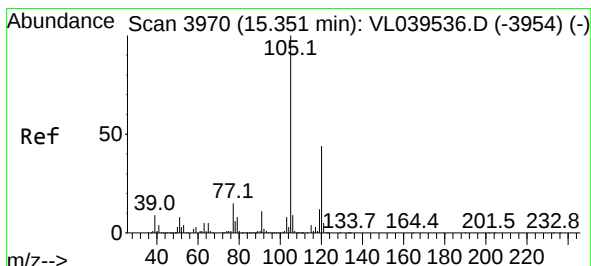
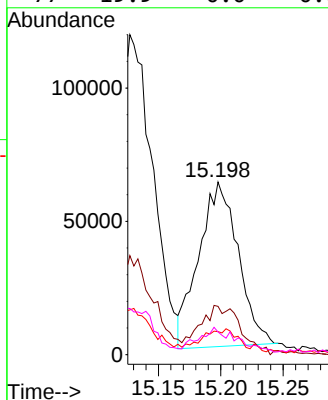
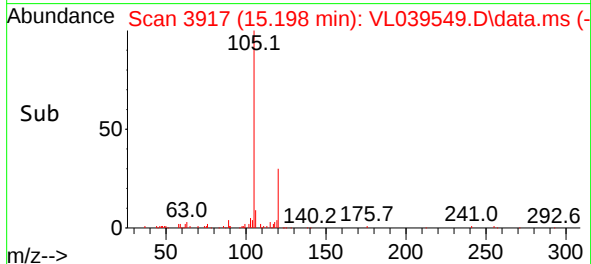
Instrument :
MSVOA_L
ClientSampleId :
SV1



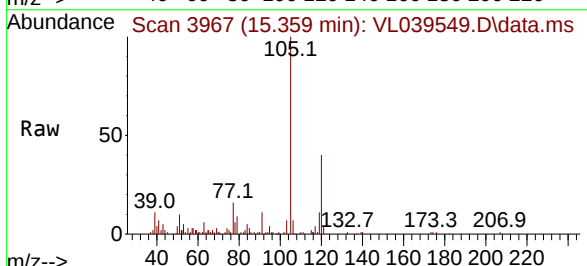
Tgt Ion:105 Resp: 13589
Ion Ratio Lower Upper
105 100
120 32.9 0.0 0.0
91 15.8 0.0 0.0
77 19.9 0.0 0.0

Manual Integrations
APPROVED

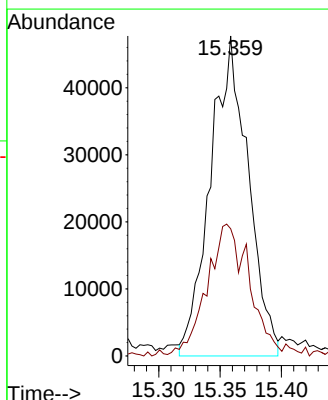
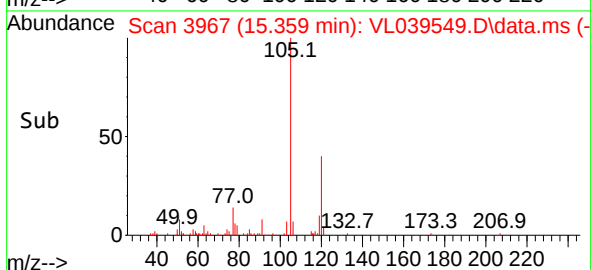
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022

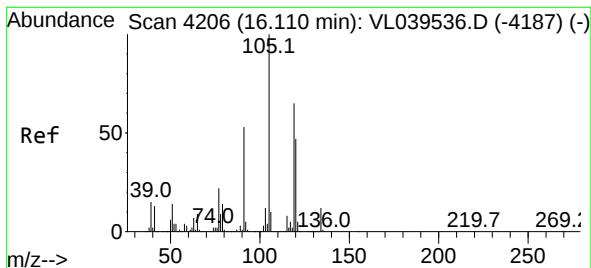


#73
1,3,5-Trimethylbenzene
Concen: 0.367 ppbv m
RT: 15.359 min Scan# 3967
Delta R.T. 0.007 min
Lab File: VL039549.D
Acq: 17 Aug 2022 15:37



Tgt Ion:105 Resp: 102472
Ion Ratio Lower Upper
105 100
120 39.8 35.4 53.2





#74

1,2,4-Trimethylbenzene

Concen: 1.542 ppbv

RT: 16.111 min Scan# 41

Delta R.T. 0.001 min

Lab File: VL039549.D

Acq: 17 Aug 2022 15:37

Instrument :

MSVOA_L

ClientSampleId :

SV1

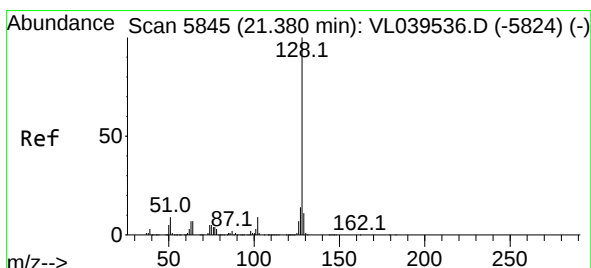
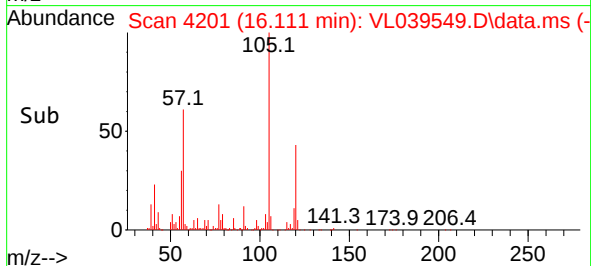
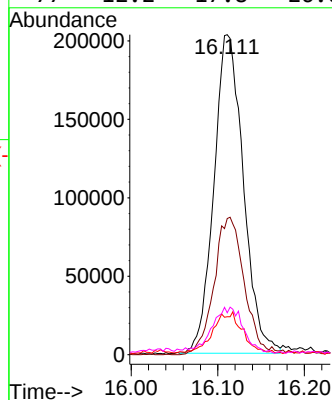
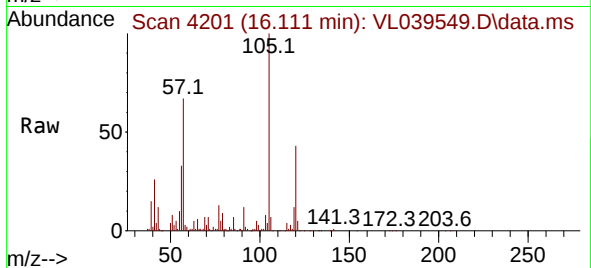
Tgt Ion:	105	Resp:	479760
Ion Ratio	Lower	Upper	
105	100		
120	42.7	37.8	56.8
91	11.2	43.8	65.6
77	12.2	17.8	26.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/18/2022

Supervised By :Mahesh Dadoda 08/19/2022



#79

Naphthalene

Concen: 0.383 ppbv m

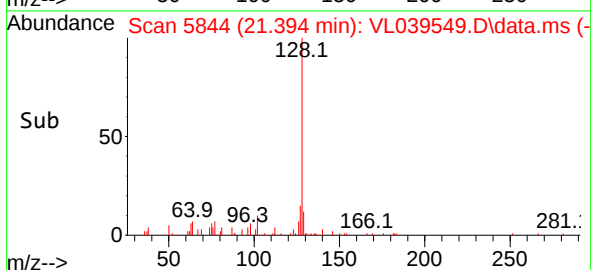
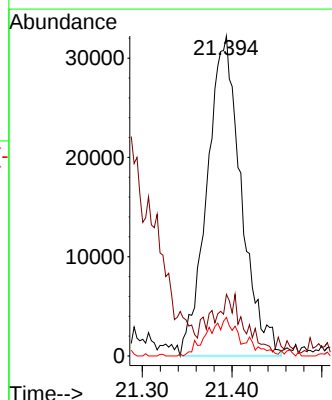
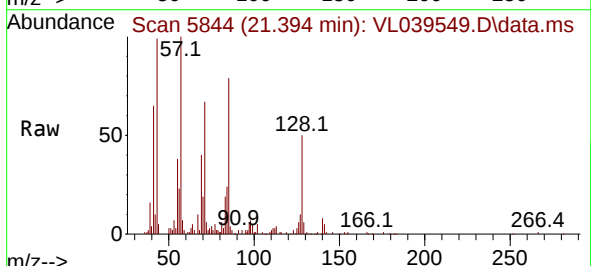
RT: 21.394 min Scan# 5844

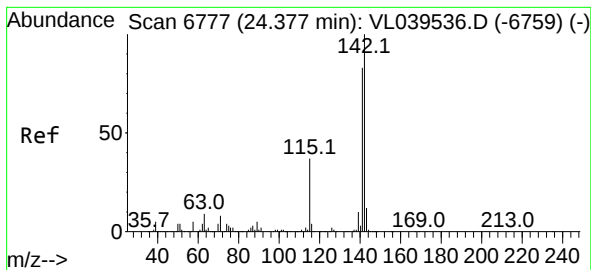
Delta R.T. 0.013 min

Lab File: VL039549.D

Acq: 17 Aug 2022 15:37

Tgt Ion:	128	Resp:	84875
Ion Ratio	Lower	Upper	
128	100		
127	19.3	10.8	16.2
129	12.1	9.1	13.7





#80

Naphthalene, 2-methyl-

Concen: 0.198 ppbv

RT: 24.374 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL039549.D

Acq: 17 Aug 2022 15:37

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:142 Resp: 1735

Ion Ratio Lower Upper

142 100

141 114.8 0.0 0.0

115 53.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/18/2022

Supervised By :Mahesh Dadoda 08/19/2022

