

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039413.D
 Acq On : 30 Jun 2022 2:28
 Operator : SY/AP
 Sample : N3530-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/01/2022
 Supervised By :Mahesh Dadoda 07/01/2022

Quant Time: Jun 30 05:46:50 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jun 30 2022

QLast Update : Thu Jun 30 05:40:11 2022

Response via : Initial Calibration

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

Internal Standards								
1) Bromochloromethane			5.655	49	1266101	10.000	ppbv	0.00
33) 1,4-Difluorobenzene			7.159	114	3396900	10.000	ppbv	0.00
55) Chlorobenzene-d5			12.066	117	3060672	10.000	ppbv	0.00
System Monitoring Compounds								
68) 1-Bromo-4-Fluorobenzene			14.394	95	2333648	10.278	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 102.800%		
Target Compounds								
								Qvalue
2) Dichlorodifluoromethane			3.047	85	32378m	0.177	ppbv	
3) Chlorodifluoromethane			2.980	51	44634m	0.278	ppbv	
9) Propene			3.018	41	69033	0.952	ppbv	83
10) Heptane			8.111	43	47514m	0.280	ppbv	
11) Trichlorofluoromethane			3.941	101	22986m	0.113	ppbv	
13) Ethanol			3.590	45	44787	10.642	ppbv	79
15) Acetone			3.835	43	7944215	53.036	ppbv	96
17) tert-Butyl alcohol			4.282	59	212712	1.673	ppbv	95
20) Methylene Chloride			4.333	84	112721	1.888	ppbv	94
26) Hexane			5.674	57	166396	1.344	ppbv #	34
27) Carbon Disulfide			4.542	76	31227	0.209	ppbv #	73
29) Chloroform			5.738	83	69339	0.322	ppbv	87
34) 2-Butanone			5.234	43	419841	2.455	ppbv	100
51) 2-Hexanone			10.121	43	81449	0.416	ppbv #	98
52) Tetrachloroethene			11.214	164	6139m	0.058	ppbv	
53) Toluene			9.786	91	99959	0.330	ppbv	98
59) m/p-Xylene			12.947	91	75518m	0.217	ppbv	
60) o-Xylene			13.670	91	35392m	0.107	ppbv	
74) 1,2,4-Trimethylbenzene			16.744	105	116643m	0.296	ppbv	

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

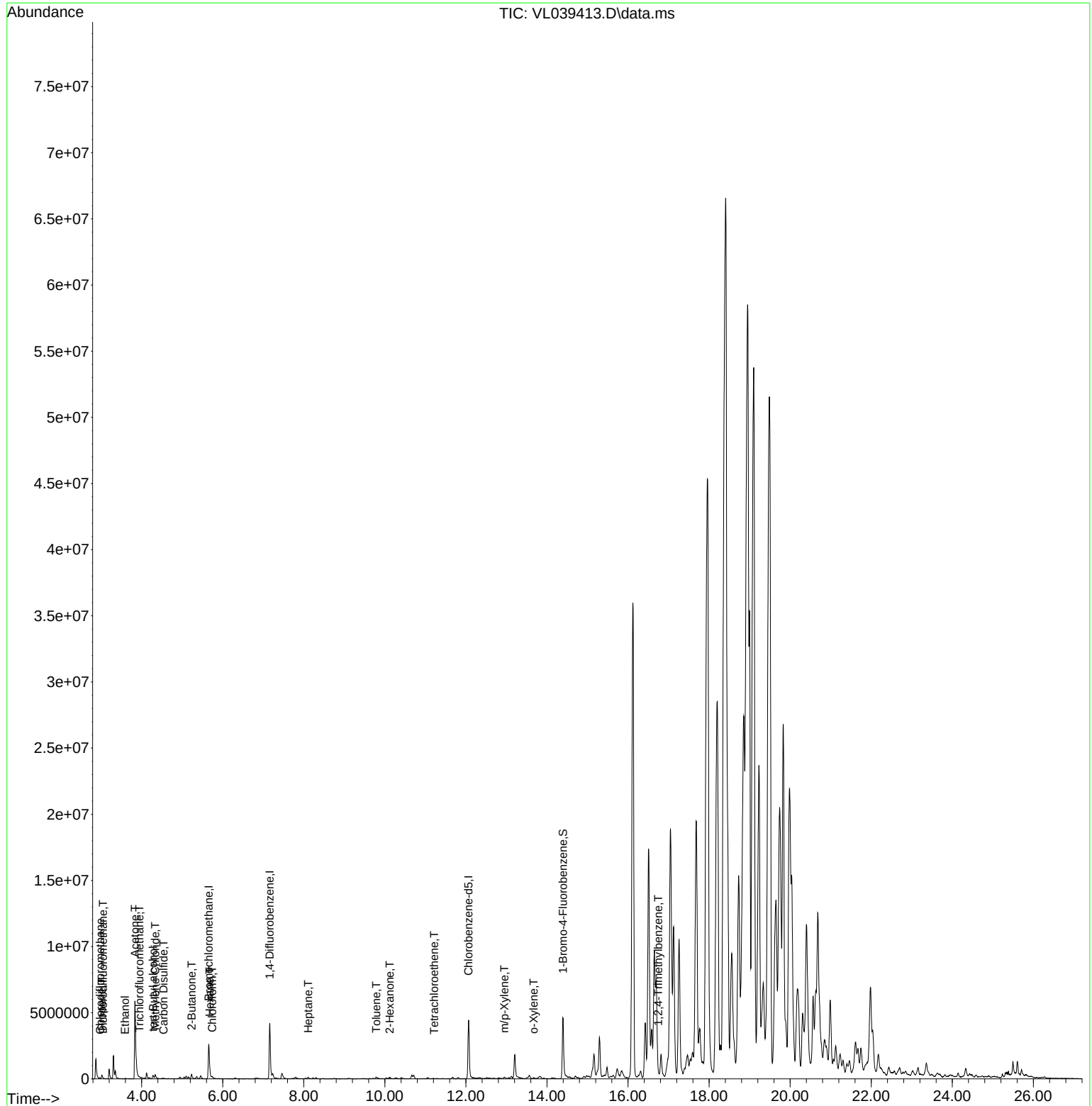
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
Data File : VL039413.D
Acq On : 30 Jun 2022 2:28
Operator : SY/AP
Sample : N3530-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

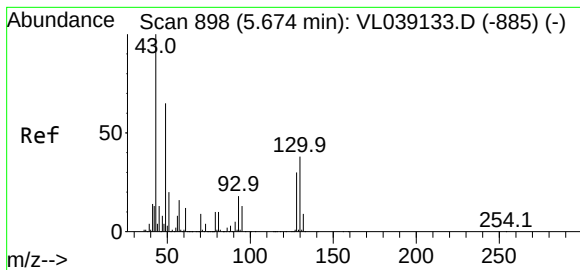
Instrument :
MSVOA_L
ClientSampleId :
SV1

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Quant Time: Jun 30 05:46:50 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jun
QLast Update : Thu Jun 30 05:40:11 2022
Response via : Initial Calibration





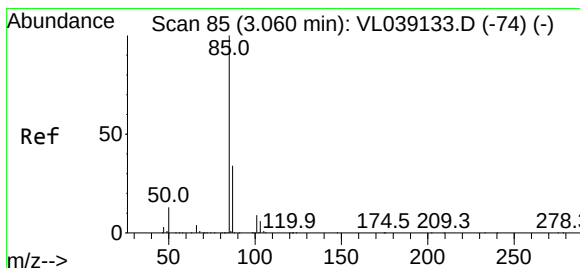
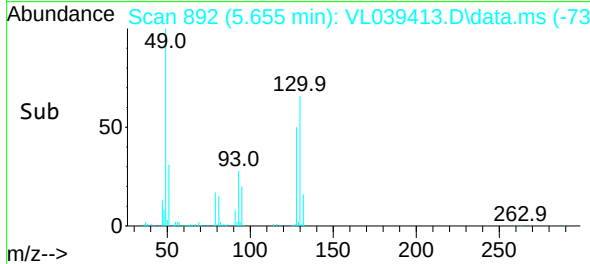
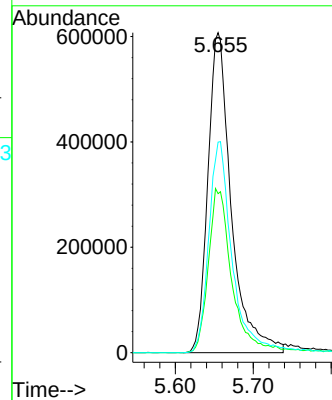
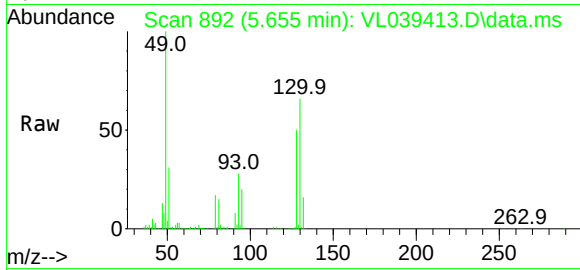
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 89
Delta R.T. 0.003 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 126610
Ion Ratio Lower Upper
49 100
128 52.5 26.7 80.0
130 66.8 34.3 102.8

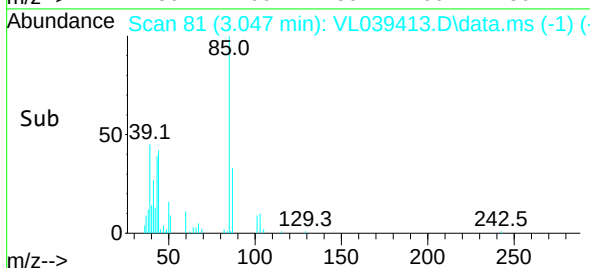
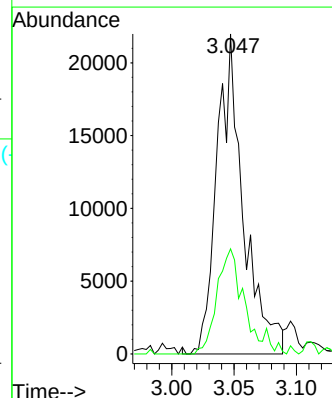
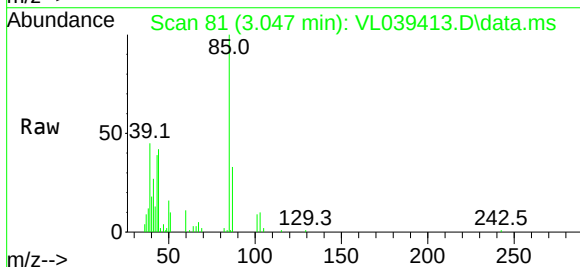
Manual Integrations
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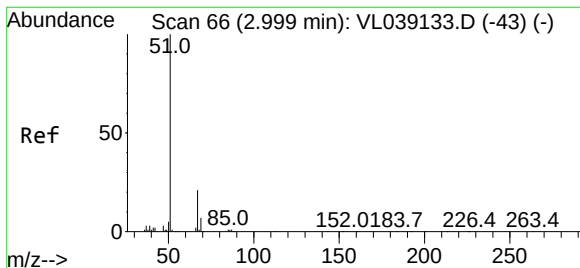
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022



#2
Dichlorodifluoromethane
Concen: 0.177 ppbv m
RT: 3.047 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

Tgt Ion: 85 Resp: 32378
Ion Ratio Lower Upper
85 100
87 32.9 26.7 40.1





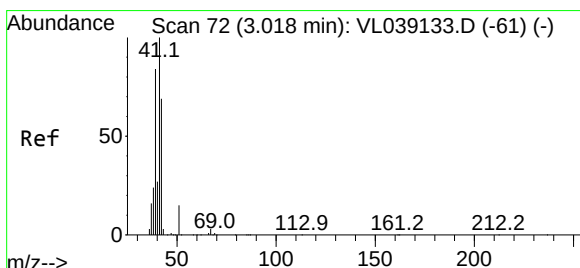
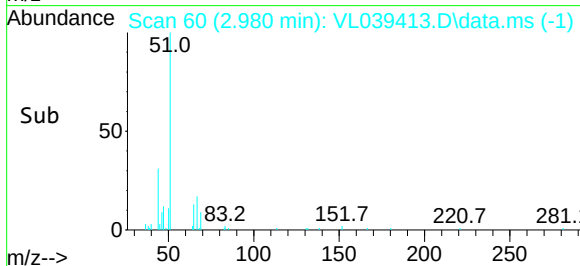
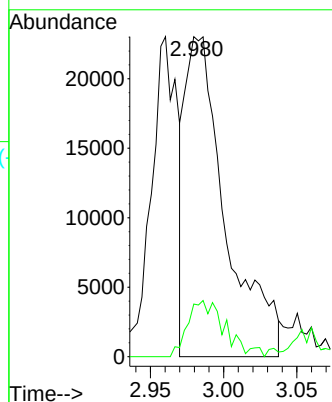
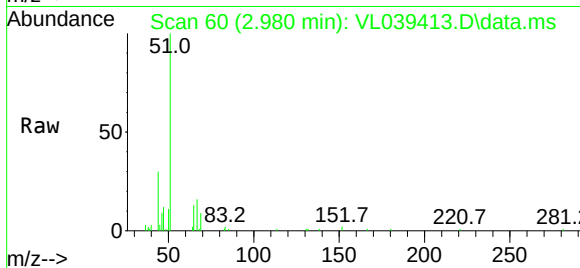
#3
Chlorodifluoromethane
Concen: 0.278 ppbv m
RT: 2.980 min Scan# 60
Delta R.T. -0.000 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 44634
Ion Ratio Lower Upper
51 100
67 16.9 15.7 23.5

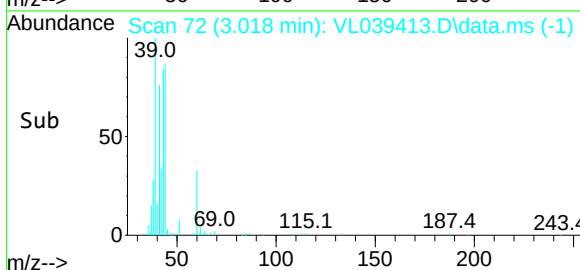
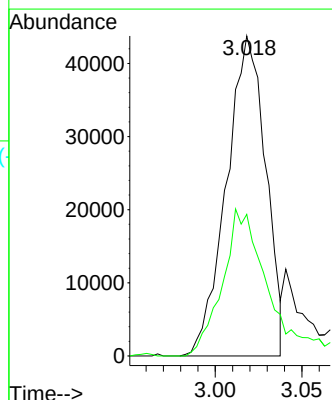
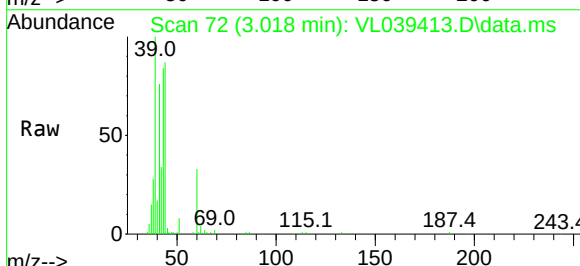
Manual Integrations
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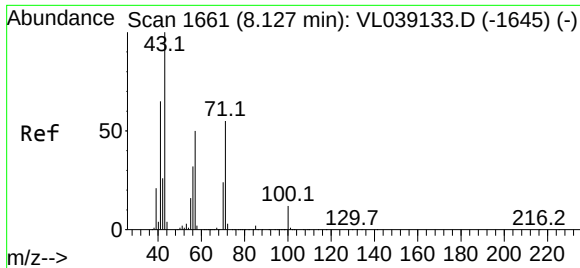
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022



#9
Propene
Concen: 0.952 ppbv
RT: 3.018 min Scan# 72
Delta R.T. 0.016 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

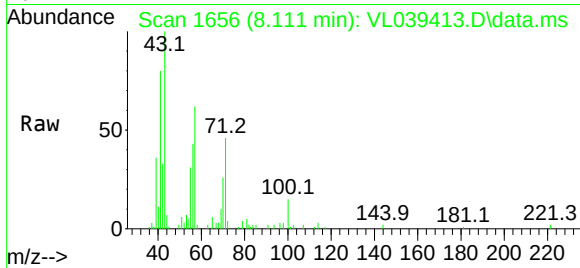
Tgt Ion: 41 Resp: 69033
Ion Ratio Lower Upper
41 100
42 55.3 55.2 82.8





#10
Heptane
Concen: 0.280 ppbv m
RT: 8.111 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

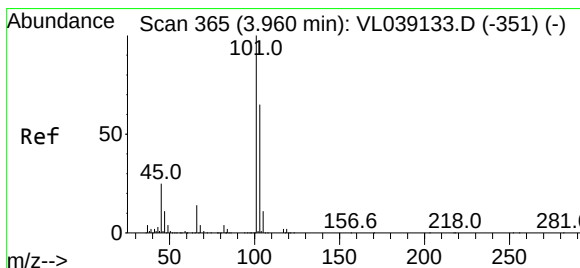
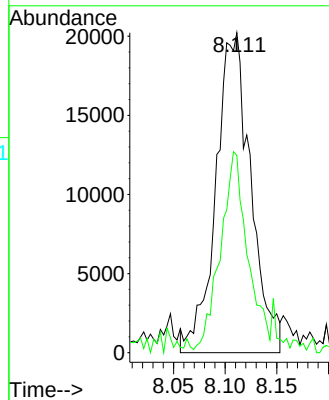
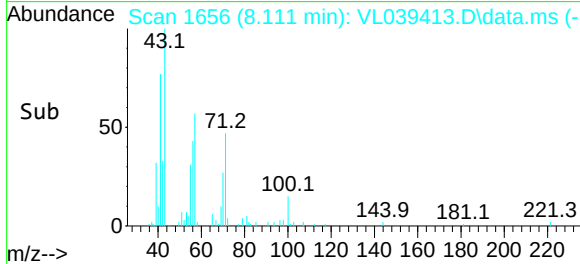
Instrument :
MSVOA_L
ClientSampleId :
SV1



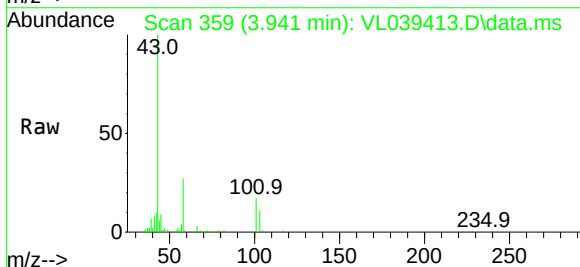
Tgt Ion: 43 Resp: 47514
Ion Ratio Lower Upper
43 100
57 54.9 40.5 60.7

Manual Integrations
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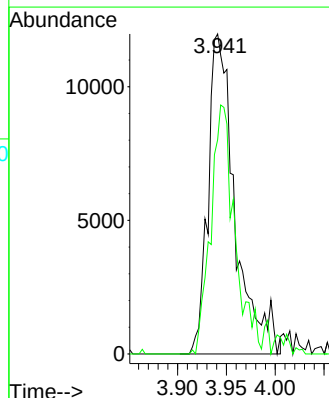
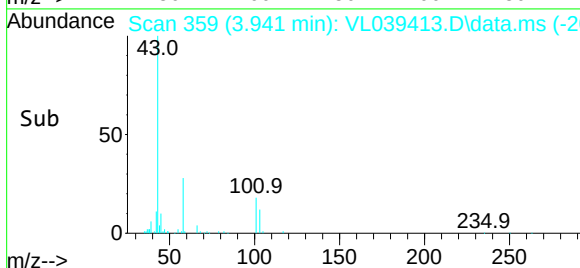
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022

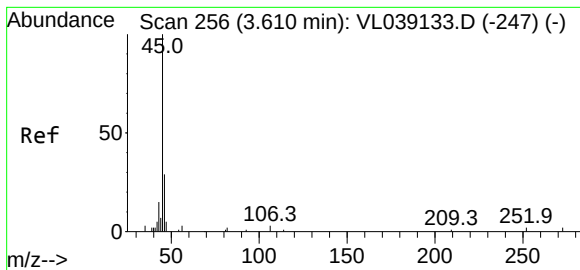


#11
Trichlorofluoromethane
Concen: 0.113 ppbv m
RT: 3.941 min Scan# 359
Delta R.T. 0.003 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28



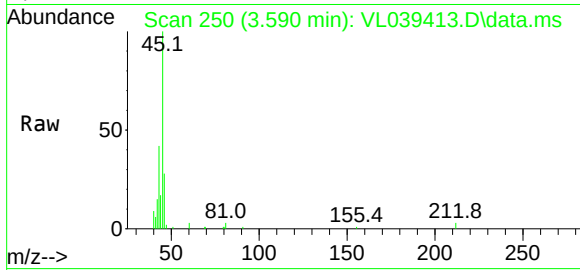
Tgt Ion:101 Resp: 22986
Ion Ratio Lower Upper
101 100
103 67.0 51.8 77.8





#13
Ethanol
Concen: 10.642 ppbv
RT: 3.590 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

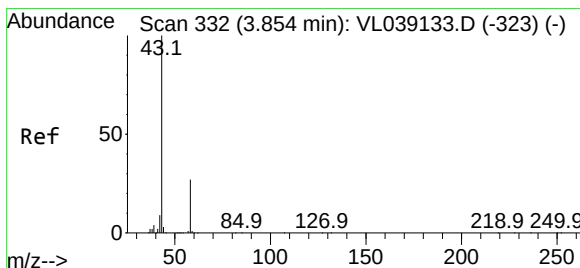
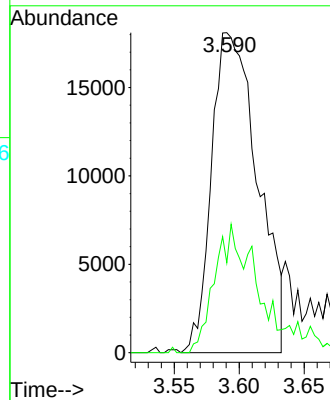
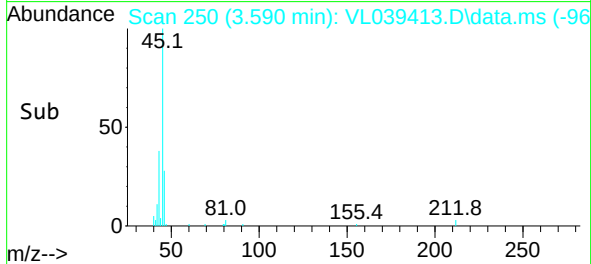
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 4478
Ion Ratio Lower Upper
45 100
46 41.6 22.8 91.2

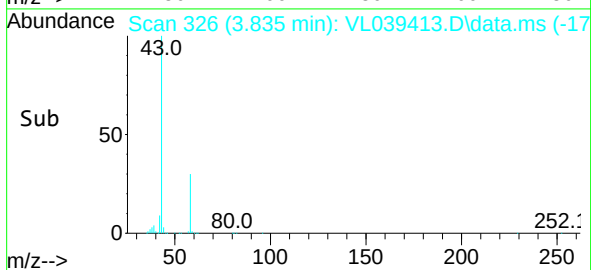
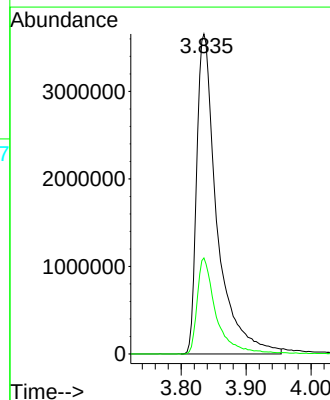
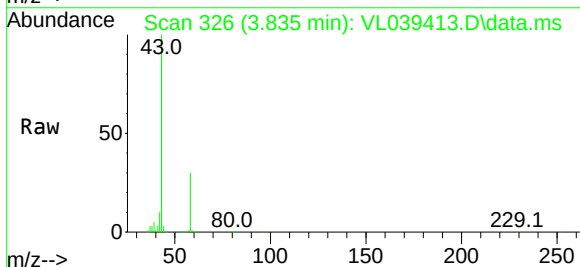
Manual Integrations
APPROVED

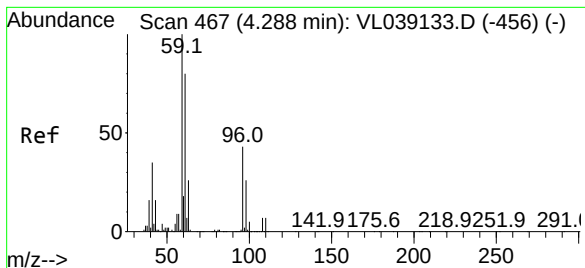
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022



#15
Acetone
Concen: 53.036 ppbv
RT: 3.835 min Scan# 326
Delta R.T. -0.000 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

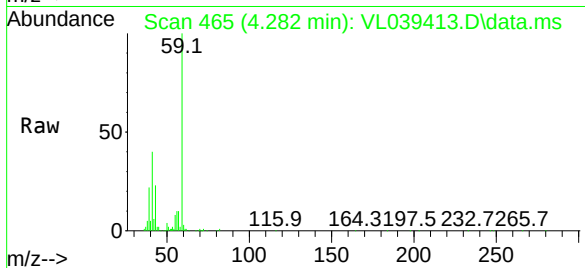
Tgt Ion: 43 Resp: 7944215
Ion Ratio Lower Upper
43 100
58 28.6 21.0 31.6





#17
tert-Butyl alcohol
Concen: 1.673 ppbv
RT: 4.282 min Scan# 401
Delta R.T. 0.013 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

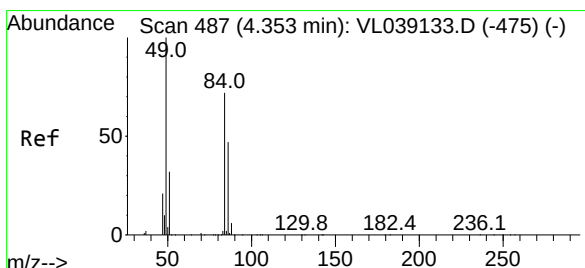
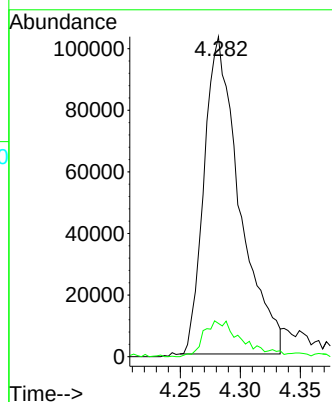
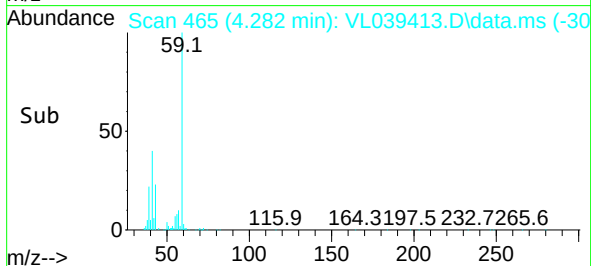
Instrument :
MSVOA_L
ClientSampleId :
SV1



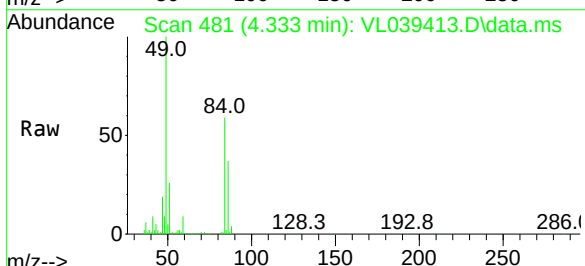
Tgt Ion: 59 Resp: 21271
Ion Ratio Lower Upper
59 100
57 12.8 8.7 13.1

Manual Integrations
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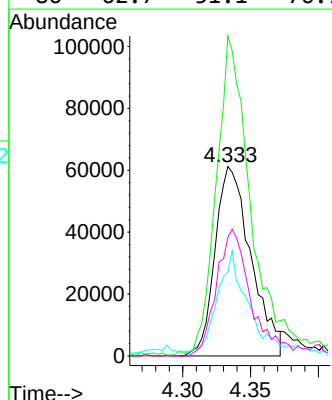
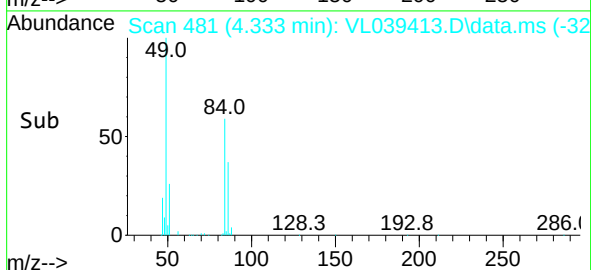
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022

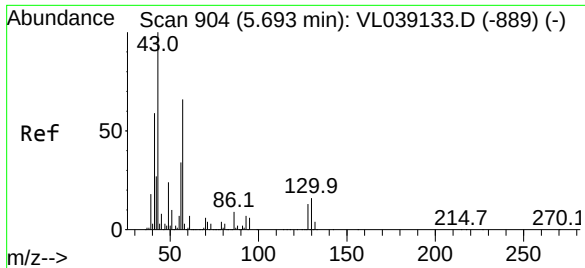


#20
Methylene Chloride
Concen: 1.888 ppbv
RT: 4.333 min Scan# 481
Delta R.T. 0.003 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28



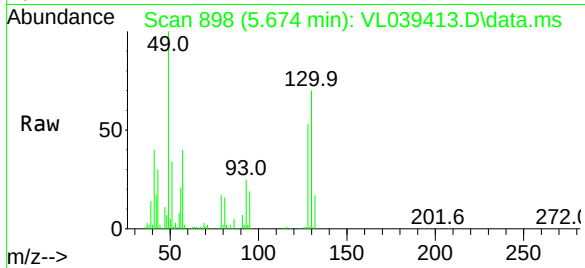
Tgt Ion: 84 Resp: 112721
Ion Ratio Lower Upper
84 100
49 166.3 123.1 184.7
51 42.2 34.4 51.6
86 62.7 51.1 76.7





#26
Hexane
Concen: 1.344 ppbv
RT: 5.674 min Scan# 898
Delta R.T. 0.003 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

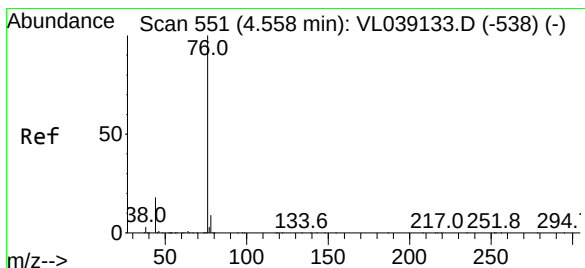
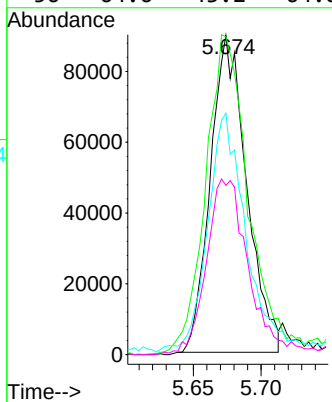
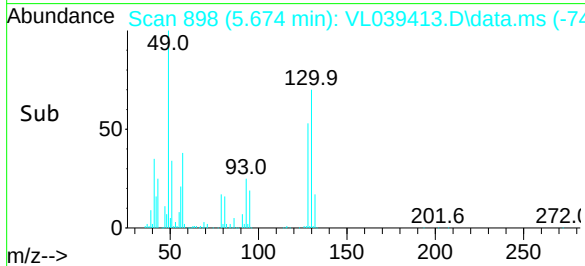
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 166390
Ion Ratio Lower Upper
57 100
41 119.6 76.9 115.3
43 78.6 191.0 286.6
56 64.6 43.2 64.8

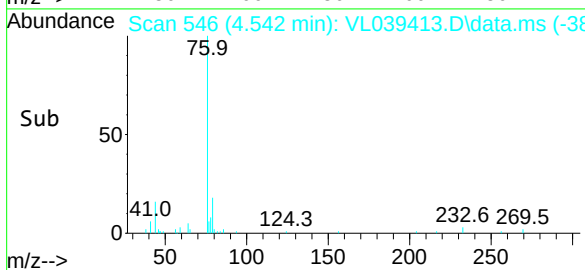
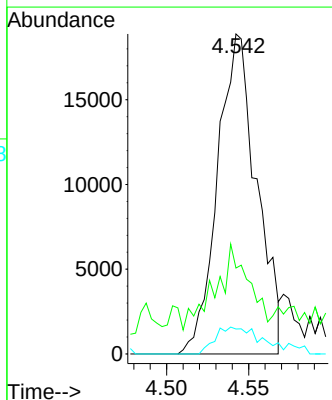
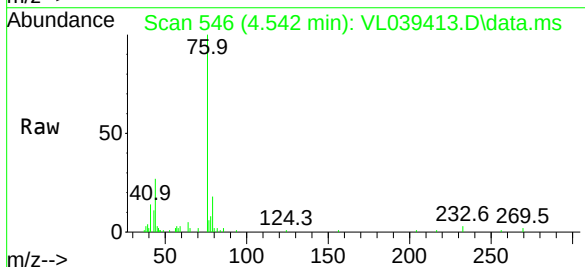
Manual Integrations
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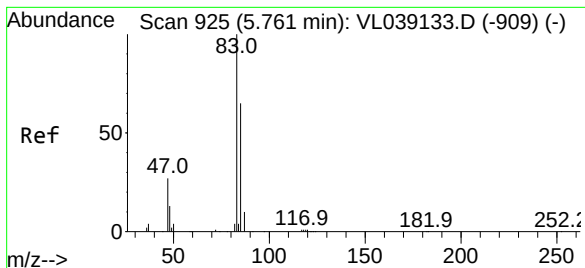
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022



#27
Carbon Disulfide
Concen: 0.209 ppbv
RT: 4.542 min Scan# 546
Delta R.T. 0.006 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

Tgt Ion: 76 Resp: 31227
Ion Ratio Lower Upper
76 100
44 35.9 14.6 21.8
78 10.8 7.8 11.6





#29

Chloroform

Concen: 0.322 ppbv

RT: 5.738 min Scan# 918

Delta R.T. 0.003 min

Lab File: VL039413.D

Acq: 30 Jun 2022 2:28

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 69339

Ion Ratio Lower Upper

83 100

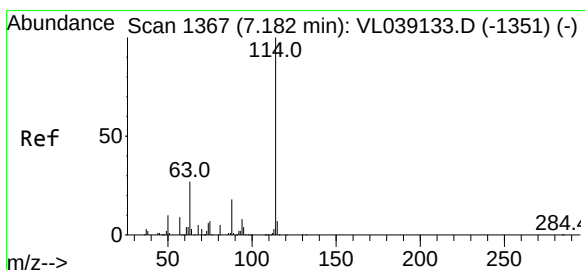
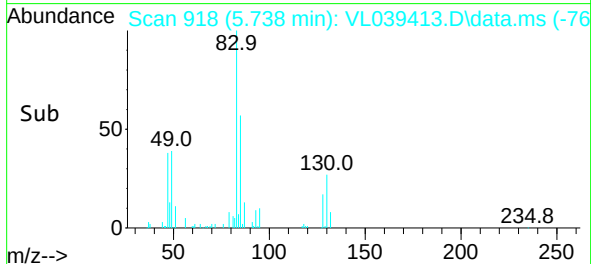
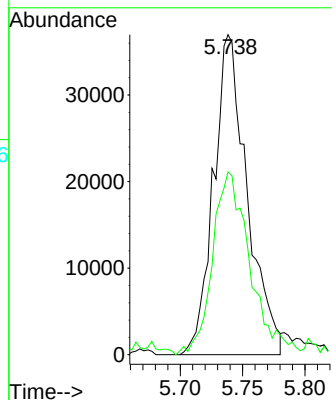
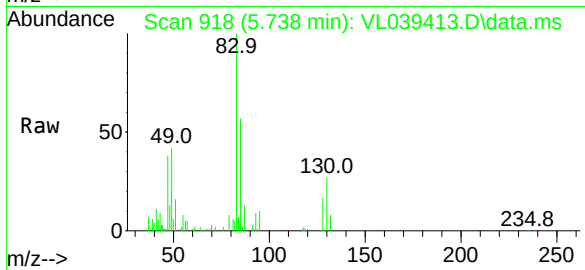
85 55.9 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/01/2022

Supervised By :Mahesh Dadoda 07/01/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.159 min Scan# 1360

Delta R.T. 0.003 min

Lab File: VL039413.D

Acq: 30 Jun 2022 2:28

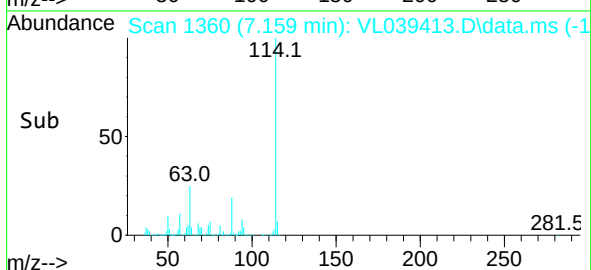
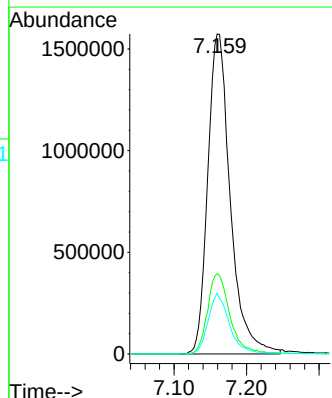
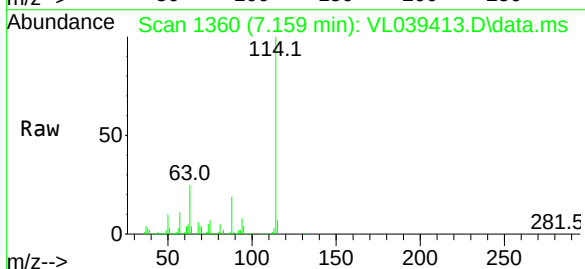
Tgt Ion:114 Resp: 3396900

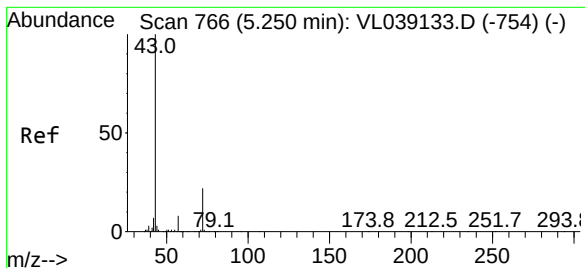
Ion Ratio Lower Upper

114 100

63 25.2 20.2 30.4

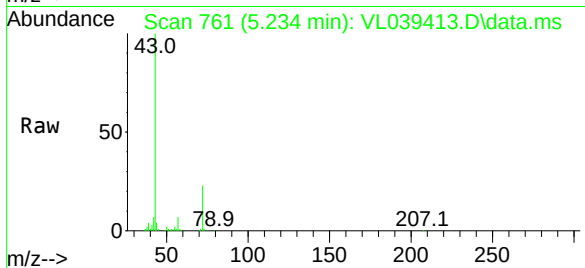
88 18.1 14.5 21.7





#34
2-Butanone
Concen: 2.455 ppbv
RT: 5.234 min Scan# 761
Delta R.T. 0.009 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

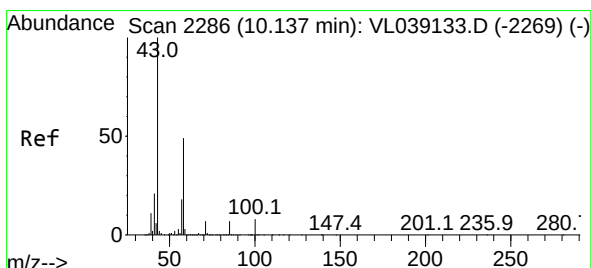
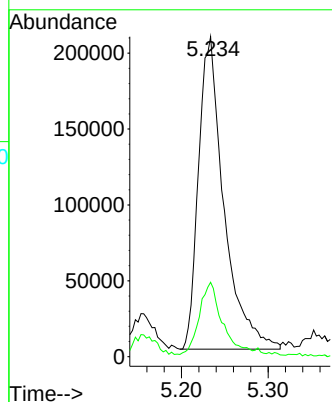
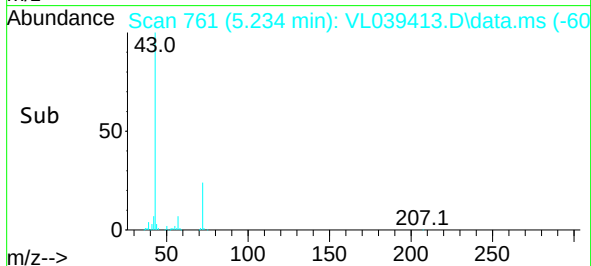
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 41984
Ion Ratio Lower Upper
43 100
72 22.2 17.9 26.9

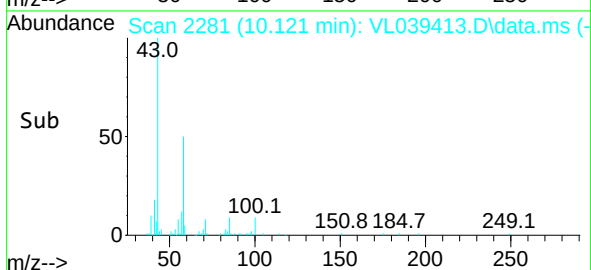
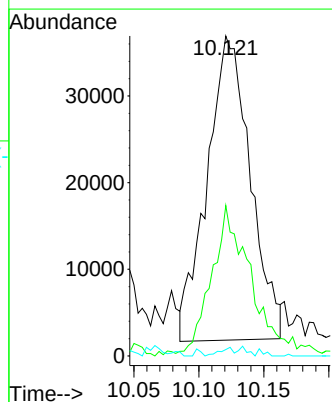
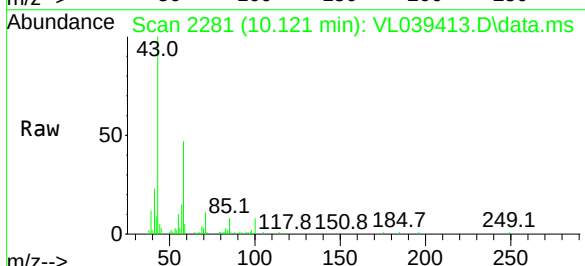
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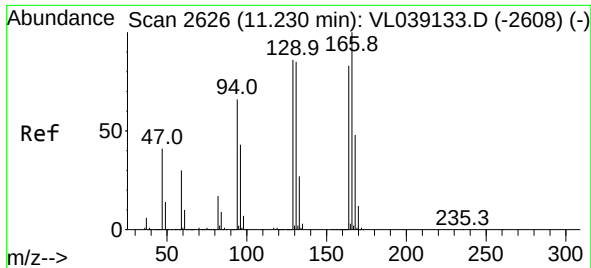
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022



#51
2-Hexanone
Concen: 0.416 ppbv
RT: 10.121 min Scan# 2281
Delta R.T. 0.013 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

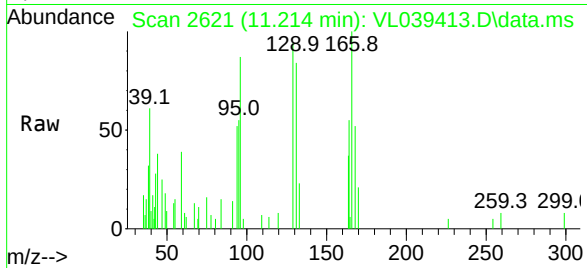
Tgt Ion: 43 Resp: 81449
Ion Ratio Lower Upper
43 100
58 46.5 38.4 57.6
98 1.9 0.3 0.5





#52
Tetrachloroethene
Concen: 0.058 ppbv m
RT: 11.214 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

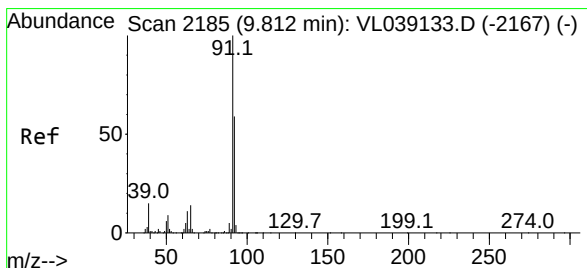
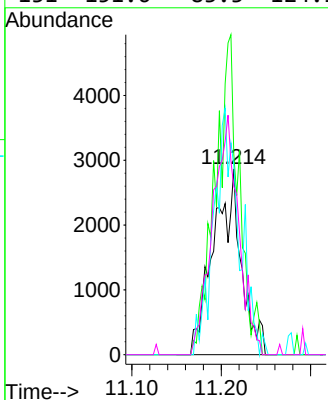
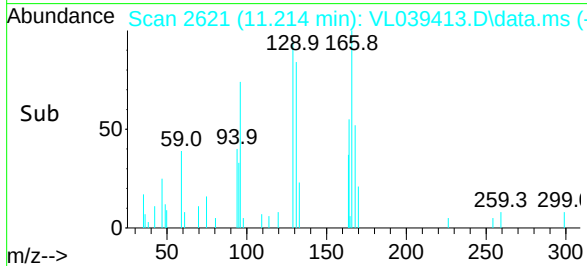
Instrument :
MSVOA_L
ClientSampleId :
SV1



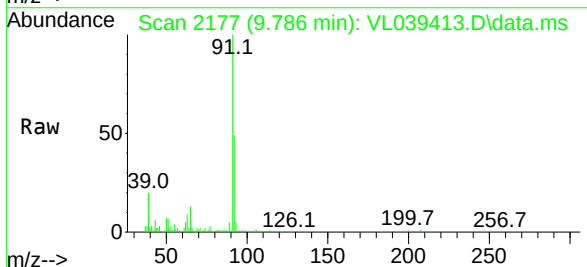
Tgt Ion:164 Resp: 6139
Ion Ratio Lower Upper
164 100
166 180.5 102.2 153.2
129 170.5 85.8 128.8
131 151.6 83.3 124.9

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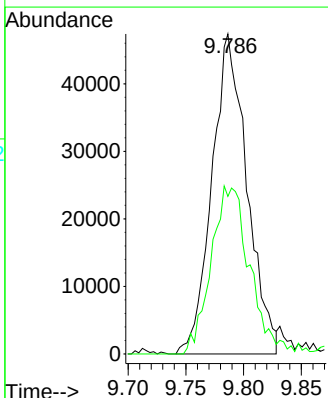
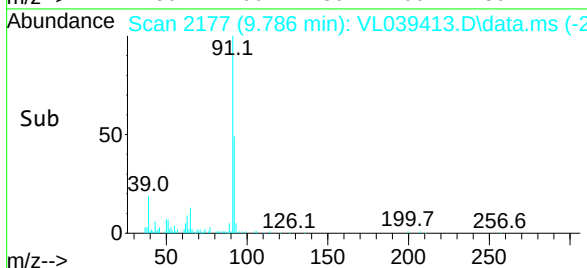
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022

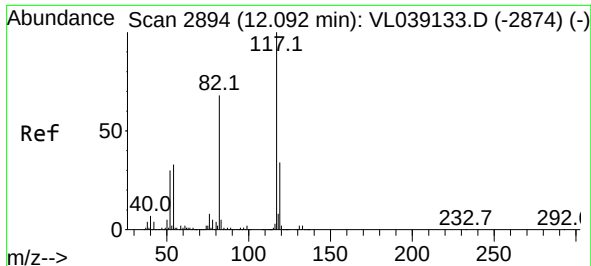


#53
Toluene
Concen: 0.330 ppbv
RT: 9.786 min Scan# 2177
Delta R.T. 0.003 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28



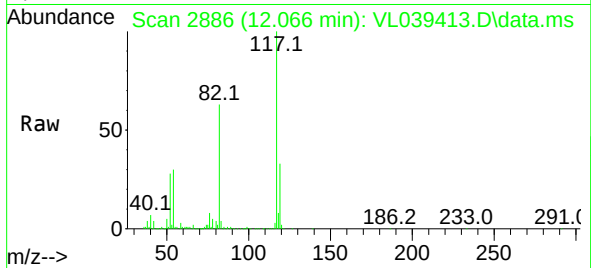
Tgt Ion: 91 Resp: 99959
Ion Ratio Lower Upper
91 100
92 59.0 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

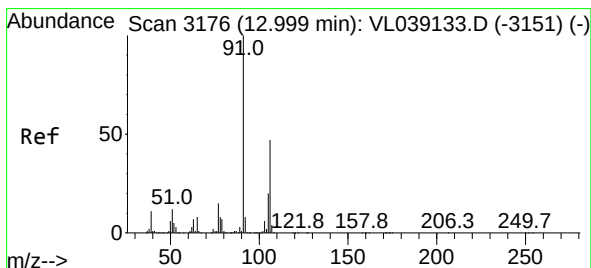
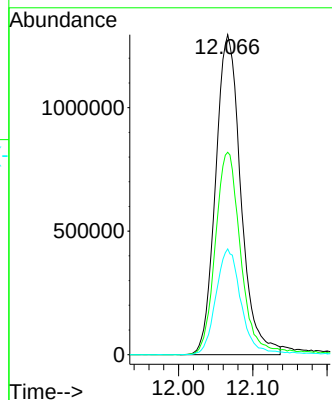
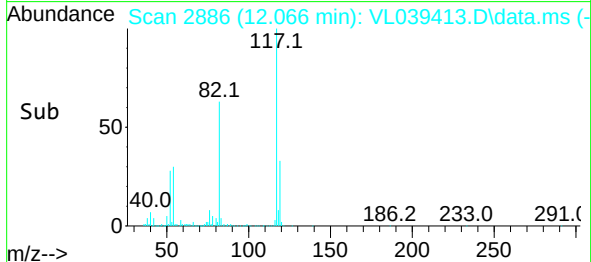
Instrument :
MSVOA_L
ClientSampleId :
SV1



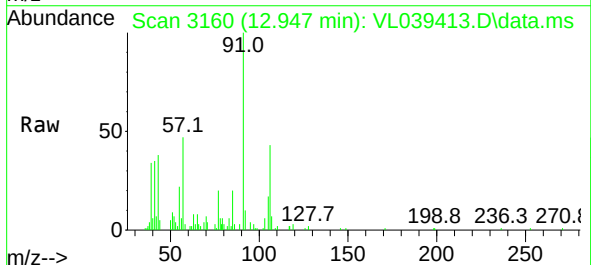
Tgt Ion: 117 Resp: 3060672
Ion Ratio Lower Upper
117 100
82 65.1 50.8 76.2
119 33.9 24.1 36.1

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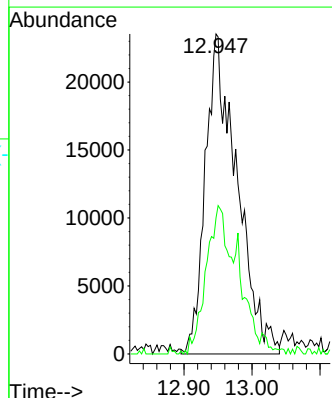
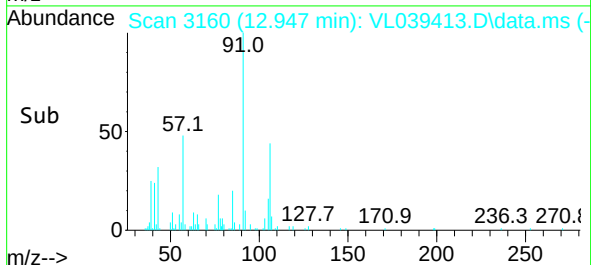
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022

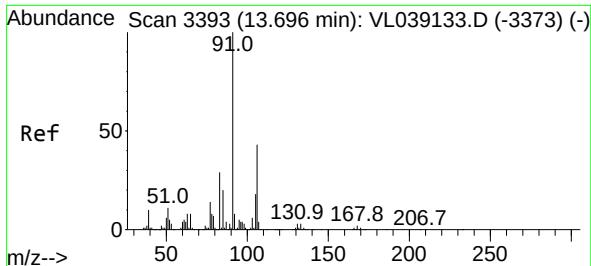


#59
m/p-Xylene
Concen: 0.217 ppbv m
RT: 12.947 min Scan# 3160
Delta R.T. -0.026 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28



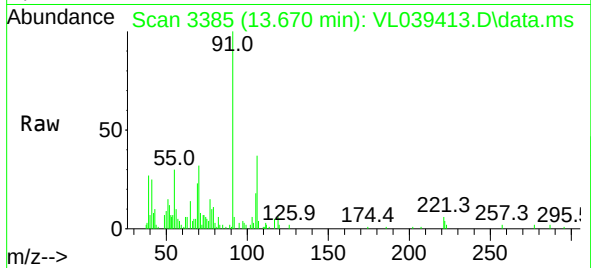
Tgt Ion: 91 Resp: 75518
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#60
o-Xylene
Concen: 0.107 ppbv m
RT: 13.670 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28

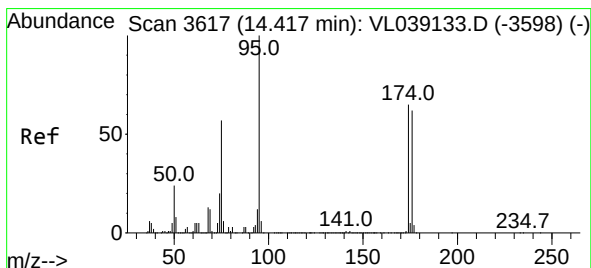
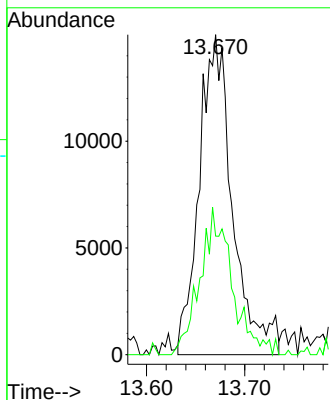
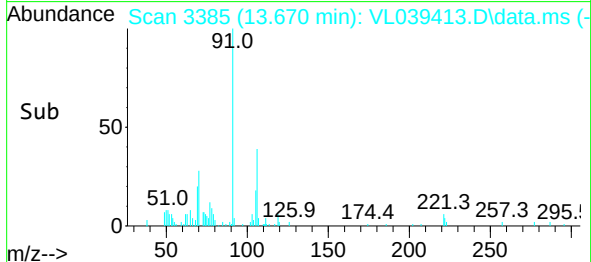
Instrument :
MSVOA_L
ClientSampleId :
SV1



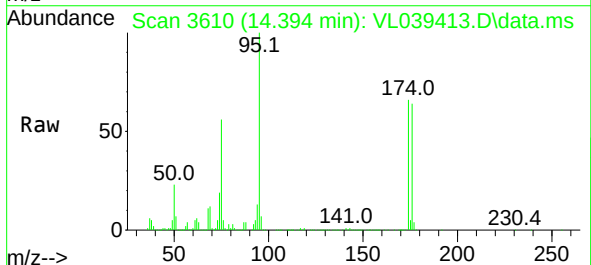
Tgt Ion: 91 Resp: 35392
Ion Ratio Lower Upper
91 100
106 44.8 22.4 67.3

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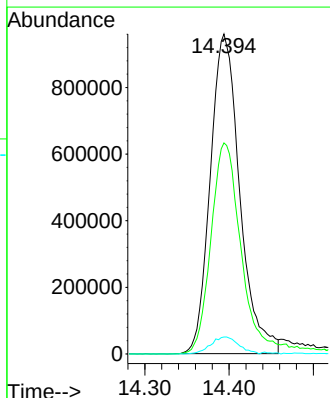
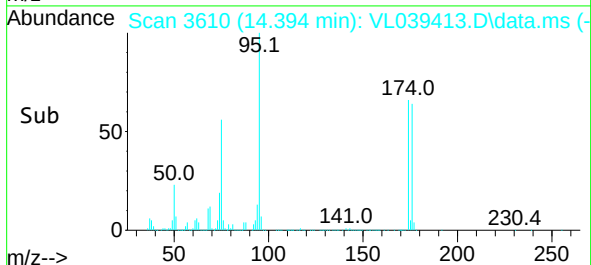
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022

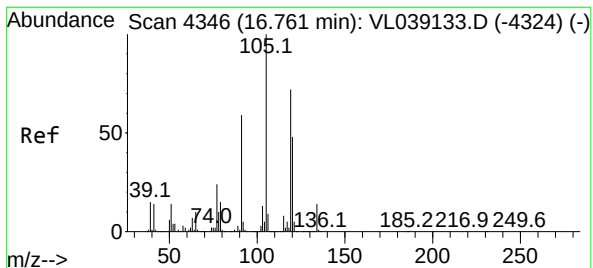


#68
1-Bromo-4-Fluorobenzene
Concen: 10.278 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. 0.003 min
Lab File: VL039413.D
Acq: 30 Jun 2022 2:28



Tgt Ion: 95 Resp: 2333648
Ion Ratio Lower Upper
95 100
174 71.2 55.9 83.9
175 5.3 4.2 6.4





#74

1,2,4-Trimethylbenzene

Concen: 0.296 ppbv m

RT: 16.744 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL039413.D

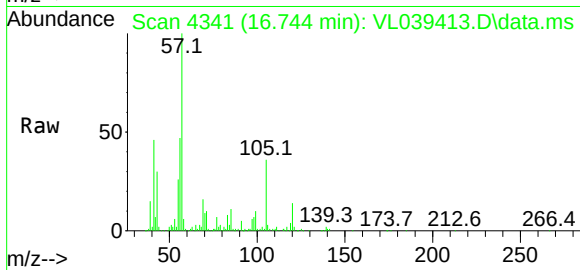
Acq: 30 Jun 2022 2:28

Instrument :

MSVOA_L

ClientSampleId :

SV1



Tgt Ion:105 Resp: 11664

Ion Ratio Lower Upper

105 100

120 38.3 39.5 59.3

91 15.5 39.2 58.8

77 18.3 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/01/2022

Supervised By :Mahesh Dadoda 07/01/2022

