

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039860.D
 Acq On : 9 Nov 2022 22:49
 Operator : SY/AP
 Sample : N5555-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18F

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2022
 Supervised By :Mahesh Dadoda 11/11/2022

Quant Time: Nov 10 03:52:44 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

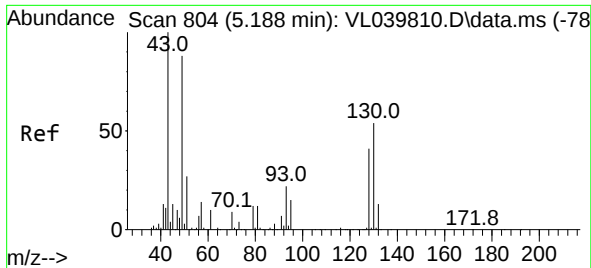
Internal Standards						
1) Bromochloromethane	5.179	49	943557	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2150641	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.436	117	1955332	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.744	95	1608894	10.993	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 109.900%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.738	85	71903	0.451	ppbv	99
3) Chlorodifluoromethane	2.674	51	54104m	0.481	ppbv	
4) Chloromethane	2.822	50	29238	0.417	ppbv	98
9) Propene	2.713	41	57177	0.976	ppbv #	74
11) Trichlorofluoromethane	3.562	101	28207	0.217	ppbv	97
13) Ethanol	3.246	45	4900904	1183.174	ppbv	93
15) Acetone	3.472	43	771858	6.721	ppbv	96
17) tert-Butyl alcohol	3.890	59	30644m	0.280	ppbv	
19) Isopropyl Alcohol	3.587	45	389532m	6.852	ppbv	
20) Methylene Chloride	3.931	84	362142	8.814	ppbv	96
26) Hexane	5.201	57	289852	2.748	ppbv #	45
29) Chloroform	5.262	83	548339	3.697	ppbv	94
34) 2-Butanone	4.783	43	53643m	0.605	ppbv	
35) Carbon Tetrachloride	6.468	117	12085m	0.096	ppbv	
36) Benzene	6.349	78	41541m	0.229	ppbv	
44) 2,2,4-Trimethylpentane	7.304	57	33621m	0.110	ppbv	
53) Toluene	9.195	91	118009	0.567	ppbv	100
59) m/p-Xylene	12.314	91	50283m	0.228	ppbv	
69) p-Isopropyltoluene	16.966	119	178400	0.590	ppbv #	92

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

Manual Integrations

Quant Time: Nov 10 03:52:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Nov 03 09:27:12 2022
Response via : Initial Calibration





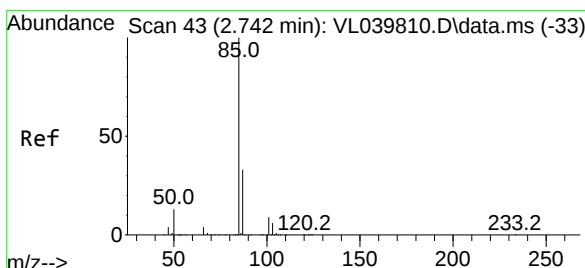
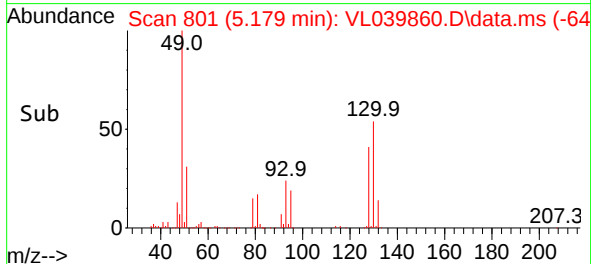
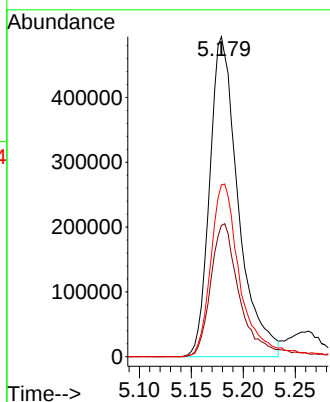
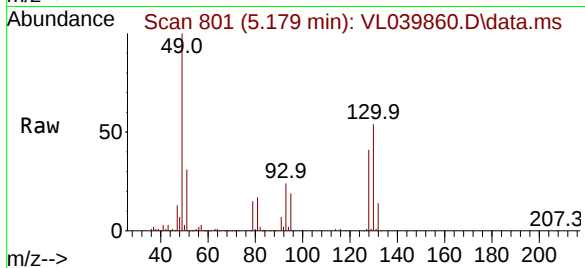
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 804
Delta R.T. -0.009 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Instrument :
MSVOA_L
Client Sample Id :
IA-18F

Tgt Ion: 49 Resp: 94355
Ion Ratio Lower Upper
49 100
128 44.2 24.6 73.6
130 56.8 31.1 93.2

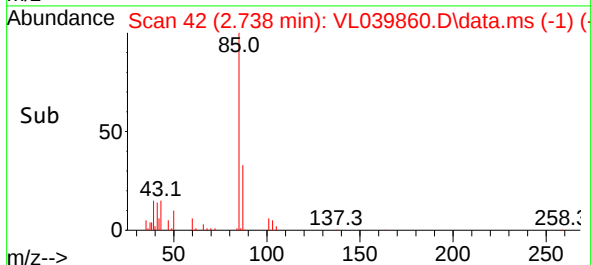
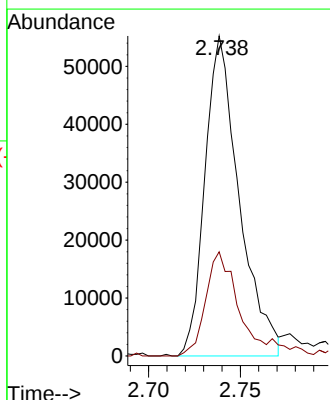
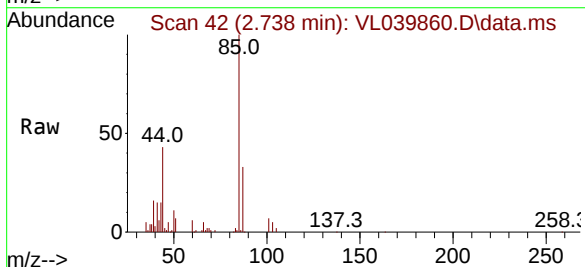
Manual Integrations
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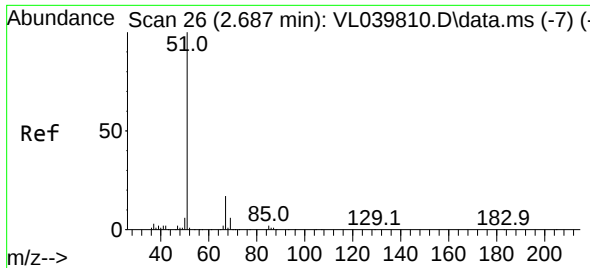
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#2
Dichlorodifluoromethane
Concen: 0.451 ppbv
RT: 2.738 min Scan# 42
Delta R.T. -0.003 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Tgt Ion: 85 Resp: 71903
Ion Ratio Lower Upper
85 100
87 32.6 26.4 39.6





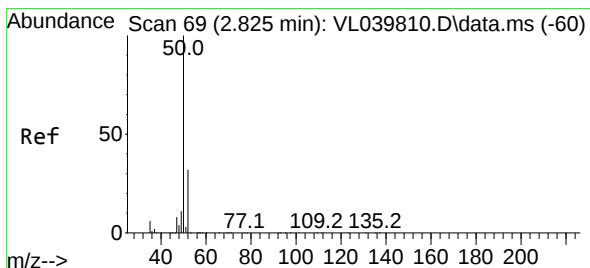
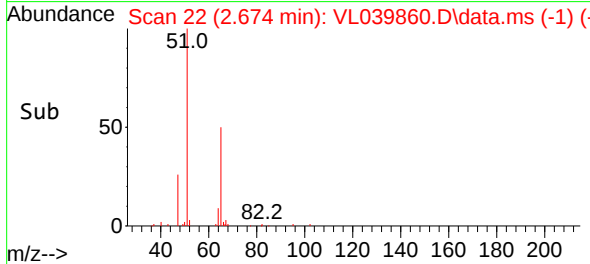
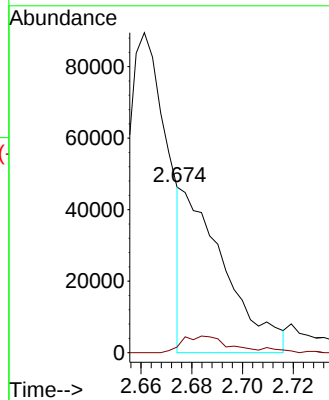
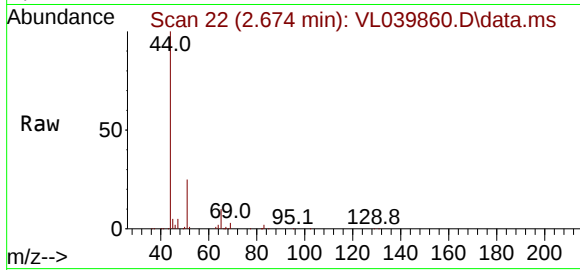
#3
Chlorodifluoromethane
Concen: 0.481 ppbv m
RT: 2.674 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
IA-18F

Tgt Ion: 51 Resp: 54104
Ion Ratio Lower Upper
51 100
67 12.3 13.2 19.8

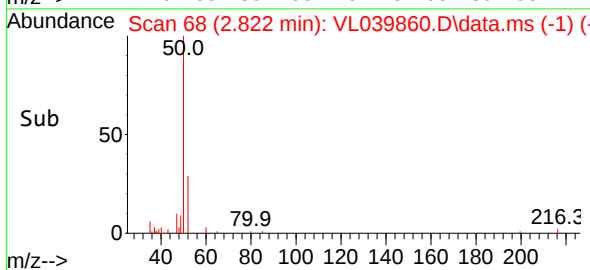
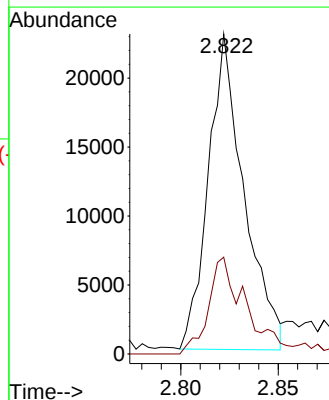
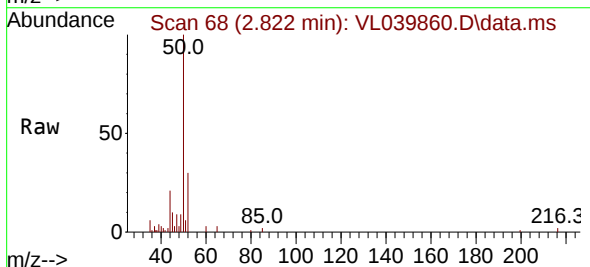
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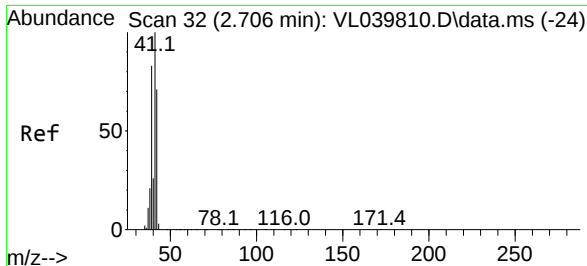
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#4
Chloromethane
Concen: 0.417 ppbv
RT: 2.822 min Scan# 68
Delta R.T. -0.003 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Tgt Ion: 50 Resp: 29238
Ion Ratio Lower Upper
50 100
52 30.7 25.5 38.3





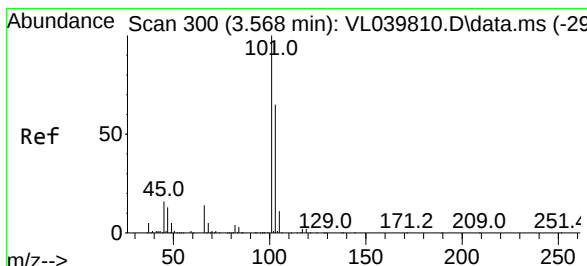
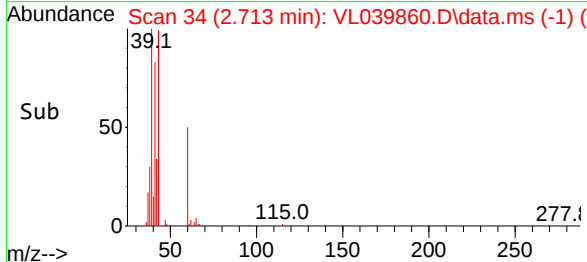
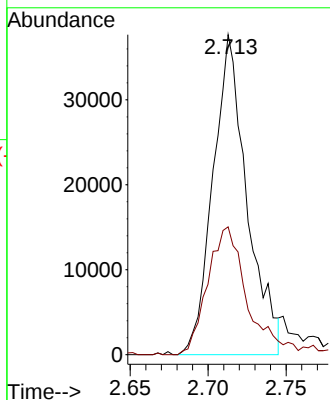
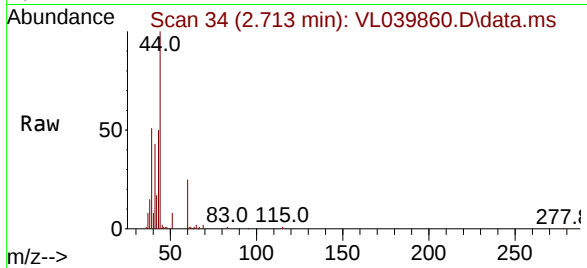
#9
Propene
Concen: 0.976 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.007 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
IA-18F

Tgt Ion: 41 Resp: 5717
Ion Ratio Lower Upper
41 100
42 48.8 56.3 84.5

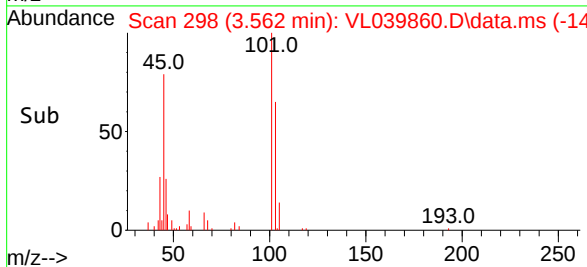
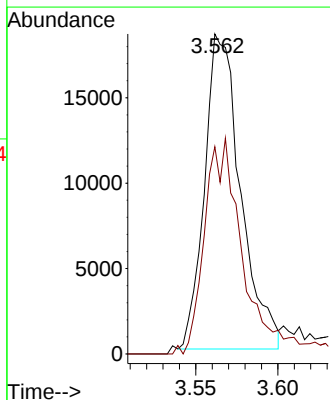
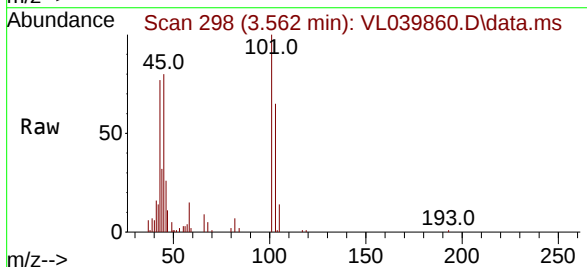
Manual Integrations
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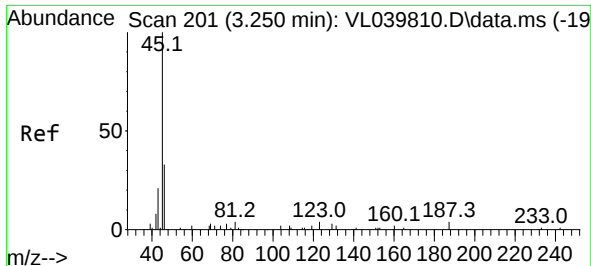
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#11
Trichlorofluoromethane
Concen: 0.217 ppbv
RT: 3.562 min Scan# 298
Delta R.T. -0.006 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Tgt Ion:101 Resp: 28207
Ion Ratio Lower Upper
101 100
103 63.0 52.2 78.2





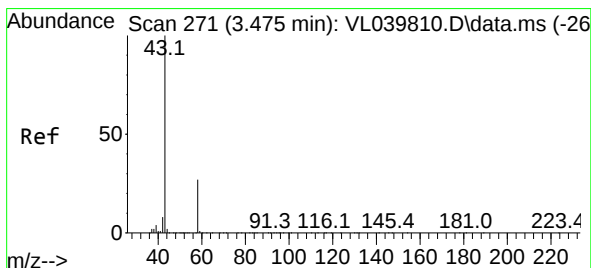
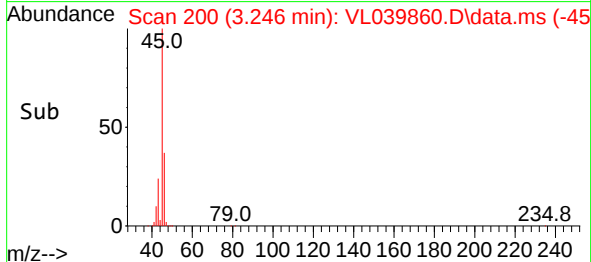
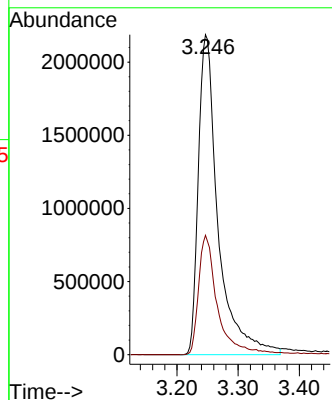
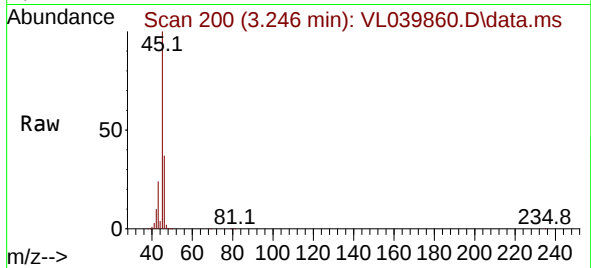
#13
Ethanol
Concen: 1183.174 ppbv
RT: 3.246 min Scan# 201
Delta R.T. -0.003 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
IA-18F

Tgt Ion: 45 Resp: 4900904
Ion Ratio Lower Upper
45 100
46 36.5 16.5 65.9

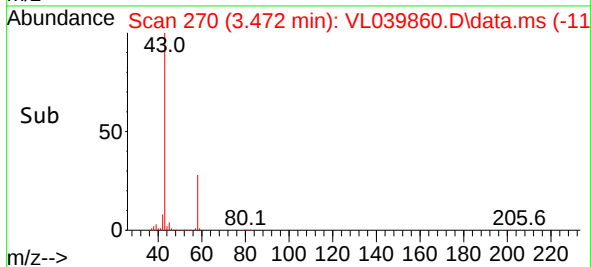
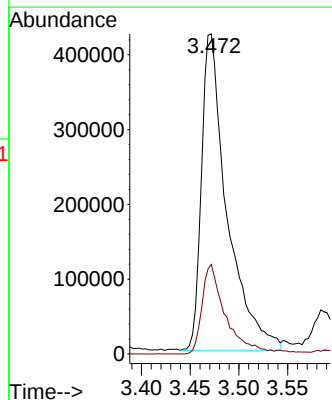
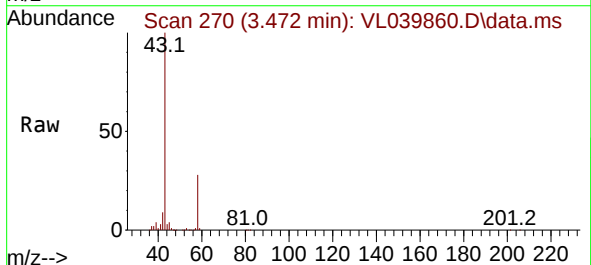
Manual Integrations
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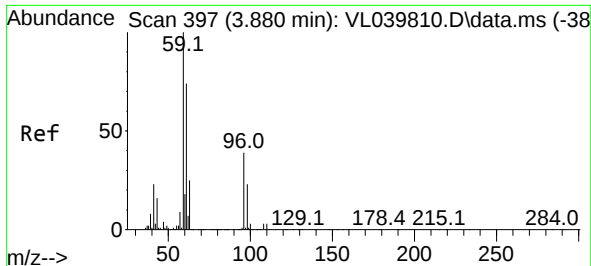
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#15
Acetone
Concen: 6.721 ppbv
RT: 3.472 min Scan# 270
Delta R.T. -0.003 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

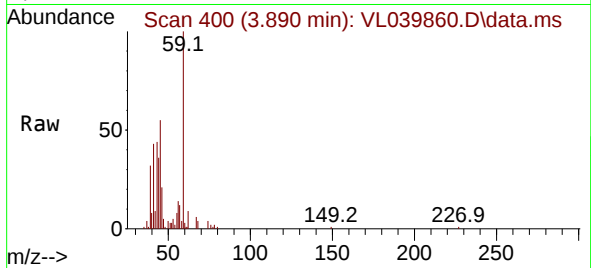
Tgt Ion: 43 Resp: 771858
Ion Ratio Lower Upper
43 100
58 26.7 23.2 34.8





#17
tert-Butyl alcohol
Concen: 0.280 ppbv m
RT: 3.890 min Scan# 40
Delta R.T. 0.010 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

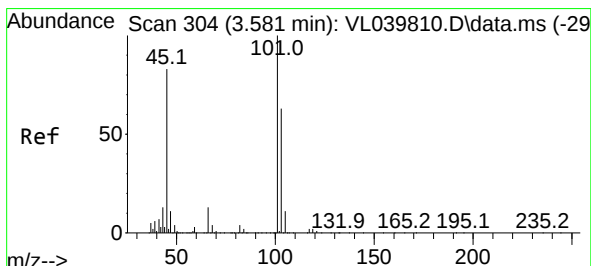
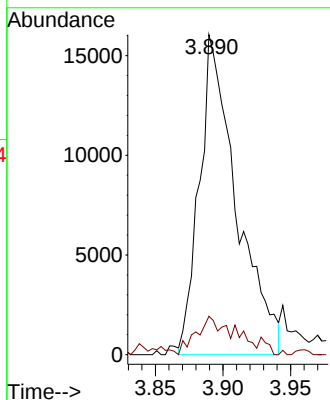
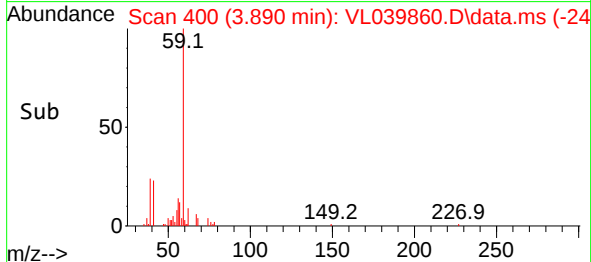
Instrument :
MSVOA_L
ClientSampleId :
IA-18F



Tgt Ion: 59 Resp: 30644
Ion Ratio Lower Upper
59 100
57 5.6 9.0 13.6

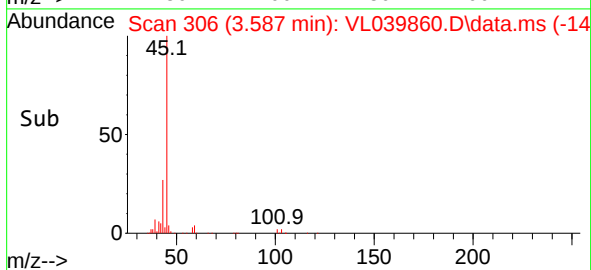
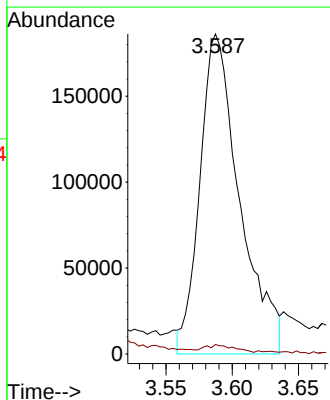
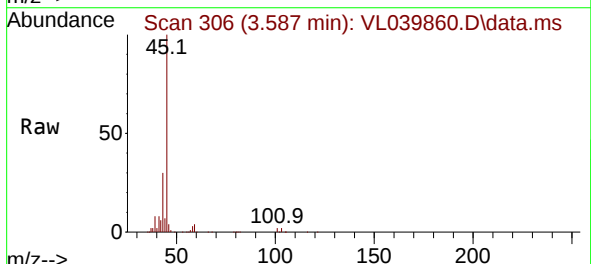
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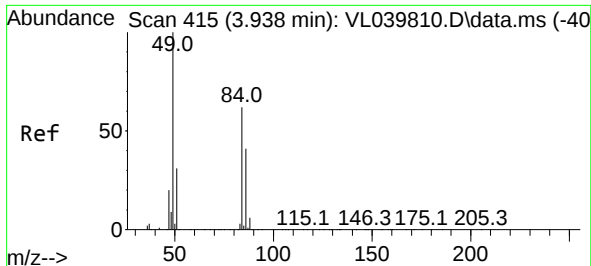
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#19
Isopropyl Alcohol
Concen: 6.852 ppbv m
RT: 3.587 min Scan# 306
Delta R.T. 0.007 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

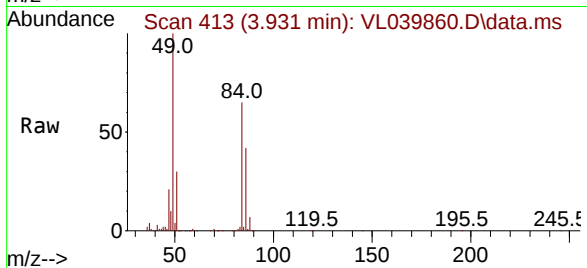
Tgt Ion: 45 Resp: 389532
Ion Ratio Lower Upper
45 100
58 2.9 38.3 57.5





#20
Methylene Chloride
Concen: 8.814 ppbv
RT: 3.931 min Scan# 415
Delta R.T. -0.006 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

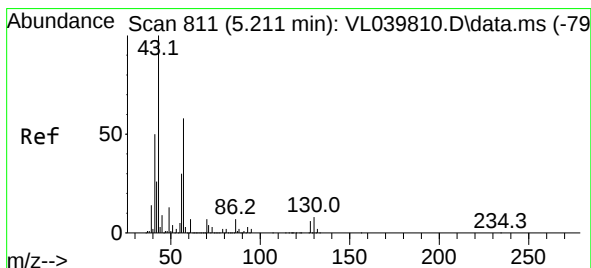
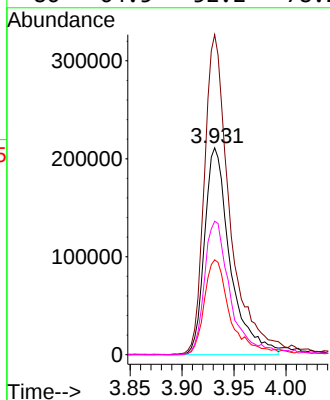
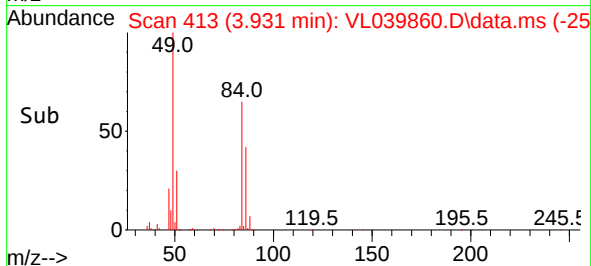
Instrument :
MSVOA_L
ClientSampleId :
IA-18F



Tgt Ion: 84 Resp: 36214
Ion Ratio Lower Upper
84 100
49 154.2 128.6 192.8
51 45.8 40.2 60.4
86 64.5 52.2 78.2

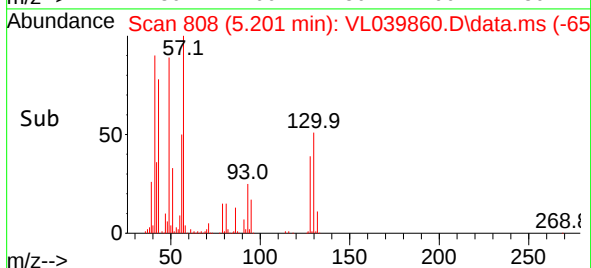
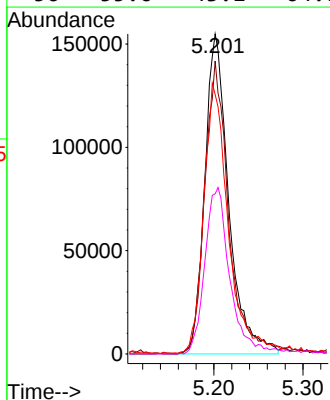
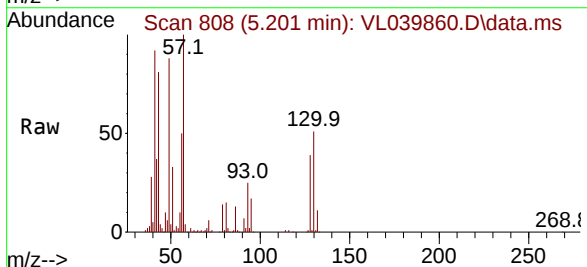
Manual Integrations
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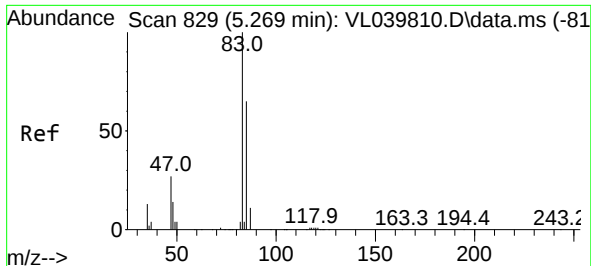
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#26
Hexane
Concen: 2.748 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.010 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Tgt Ion: 57 Resp: 289852
Ion Ratio Lower Upper
57 100
41 92.5 73.7 110.5
43 88.5 189.8 284.8#
56 55.6 43.1 64.7





#29

Chloroform

Concen: 3.697 ppbv

RT: 5.262 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL039860.D

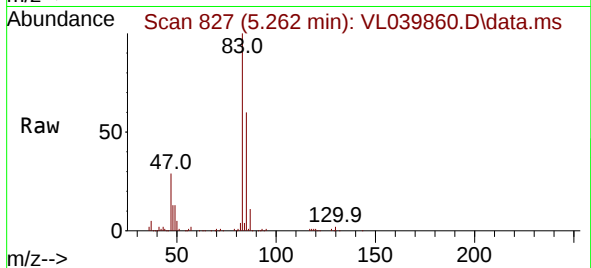
Acq: 9 Nov 2022 22:49

Instrument :

MSVOA_L

ClientSampleId :

IA-18F



Tgt Ion: 83 Resp: 548339

Ion Ratio Lower Upper

83 100

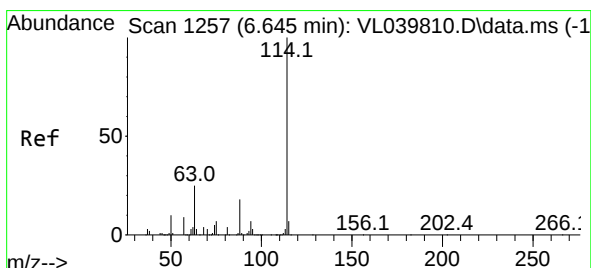
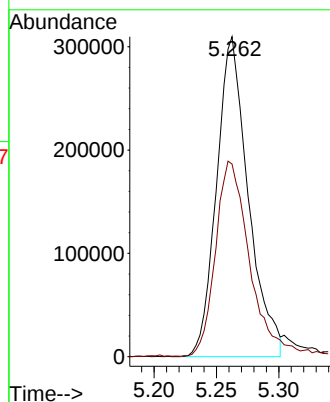
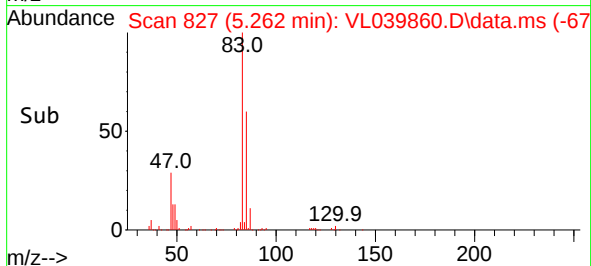
85 60.0 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2022

Supervised By :Mahesh Dadoda 11/11/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VL039860.D

Acq: 9 Nov 2022 22:49

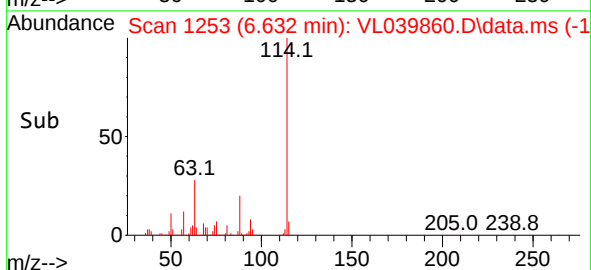
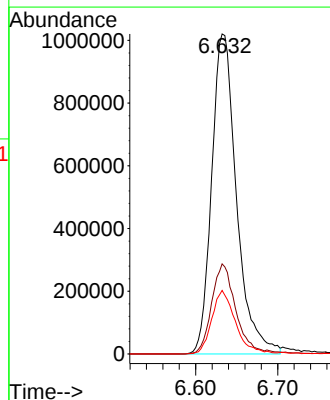
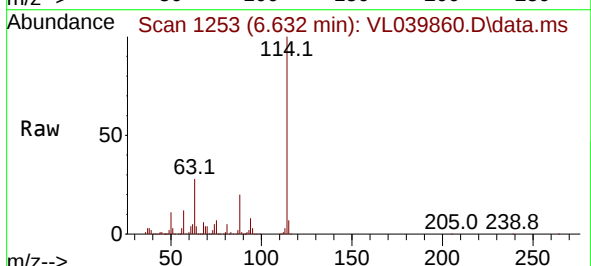
Tgt Ion:114 Resp: 2150641

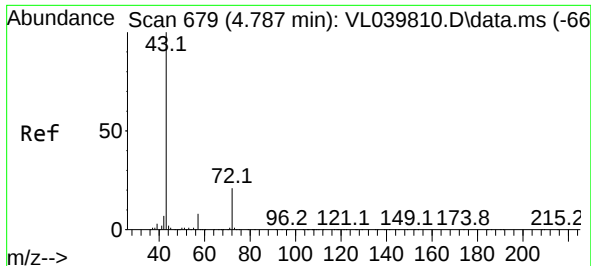
Ion Ratio Lower Upper

114 100

63 28.0 19.8 29.6

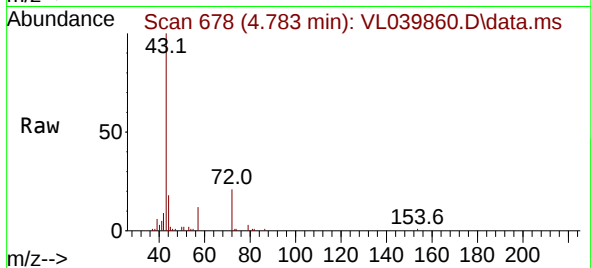
88 19.3 14.4 21.6





#34
2-Butanone
Concen: 0.605 ppbv m
RT: 4.783 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

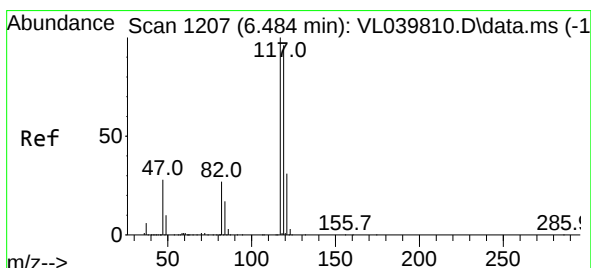
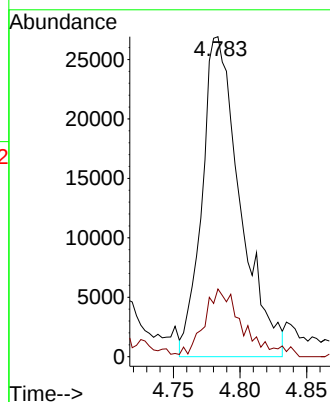
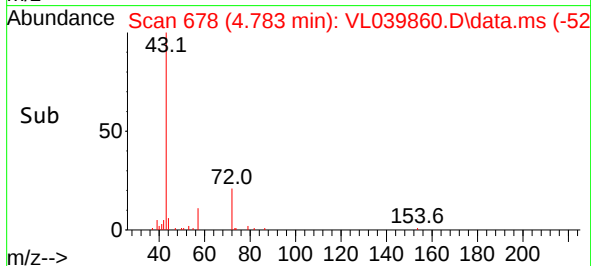
Instrument :
MSVOA_L
ClientSampleId :
IA-18F



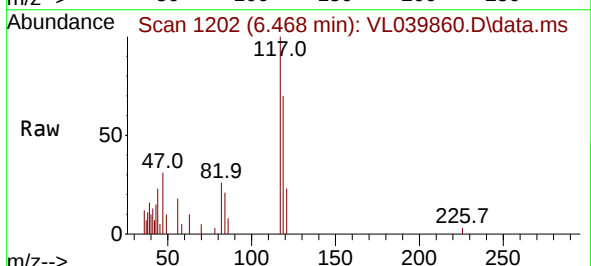
Tgt Ion: 43 Resp: 5364
Ion Ratio Lower Upper
43 100
72 21.0 17.5 26.3

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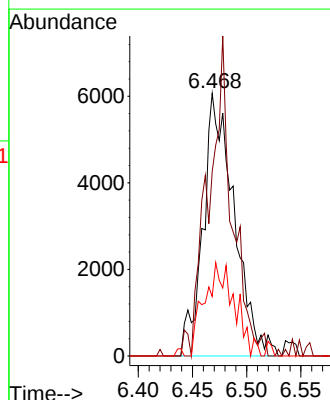
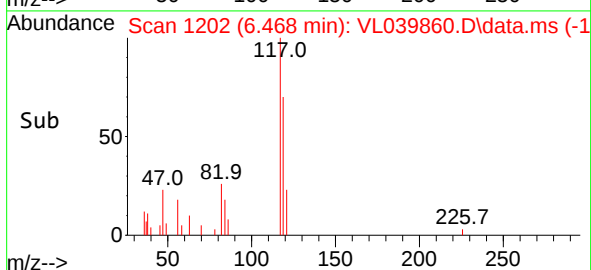
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022

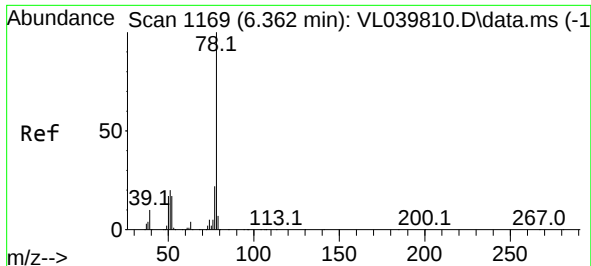


#35
Carbon Tetrachloride
Concen: 0.096 ppbv m
RT: 6.468 min Scan# 1202
Delta R.T. -0.016 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49



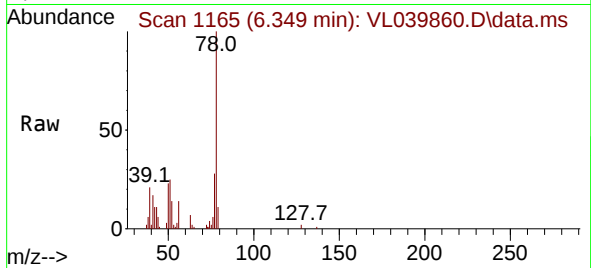
Tgt Ion:117 Resp: 12085
Ion Ratio Lower Upper
117 100
119 70.2 76.5 114.7#
121 22.6 25.2 37.8#





#36
Benzene
Concen: 0.229 ppbv m
RT: 6.349 min Scan# 1165
Delta R.T. -0.013 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

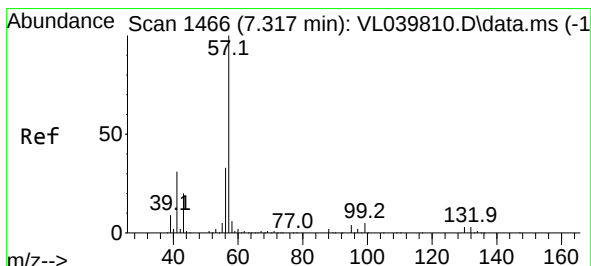
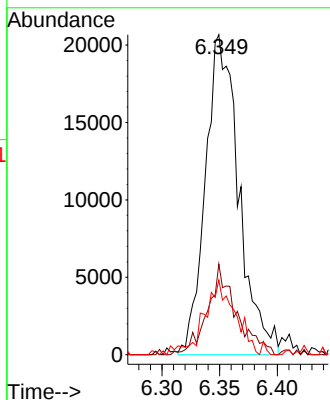
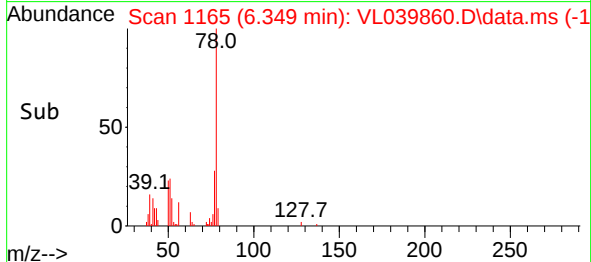
Instrument :
MSVOA_L
ClientSampleId :
IA-18F



Tgt Ion: 78 Resp: 4154
Ion Ratio Lower Upper
78 100
77 28.4 17.4 26.2
50 23.3 13.9 20.9

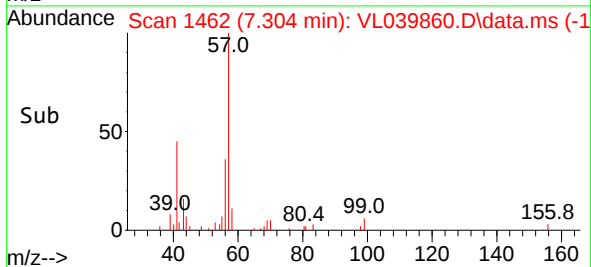
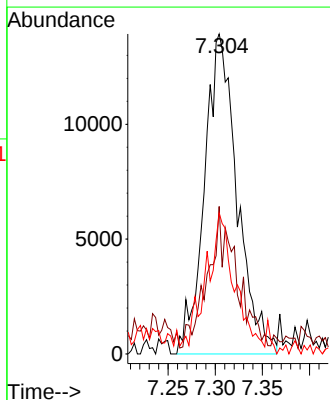
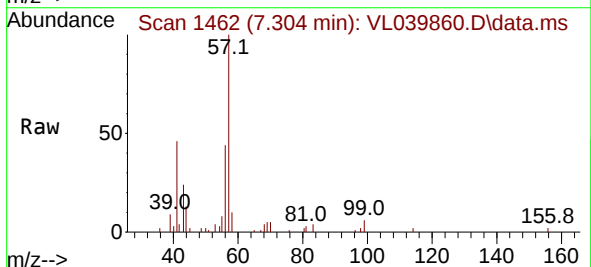
Manual Integrations
APPROVED

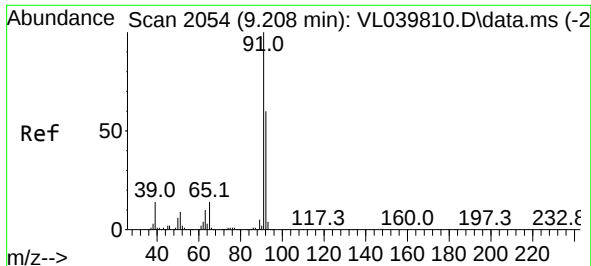
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#44
2,2,4-Trimethylpentane
Concen: 0.110 ppbv m
RT: 7.304 min Scan# 1462
Delta R.T. -0.013 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

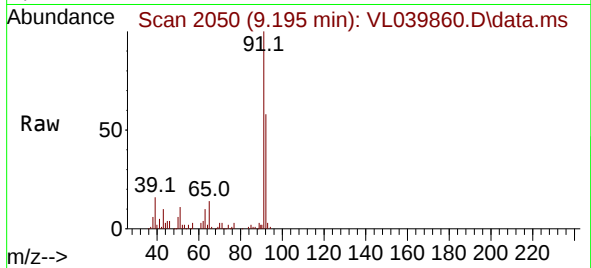
Tgt Ion: 57 Resp: 33621
Ion Ratio Lower Upper
57 100
41 40.3 24.6 36.8
56 43.0 25.4 38.0





#53
Toluene
Concen: 0.567 ppbv
RT: 9.195 min Scan# 2054
Delta R.T. -0.013 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

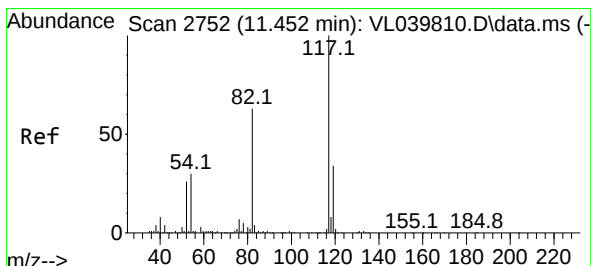
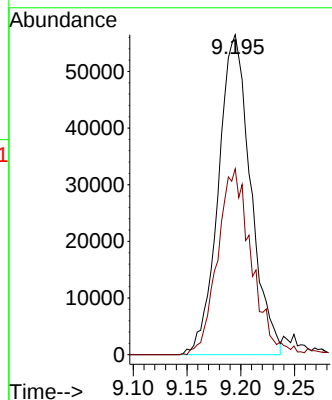
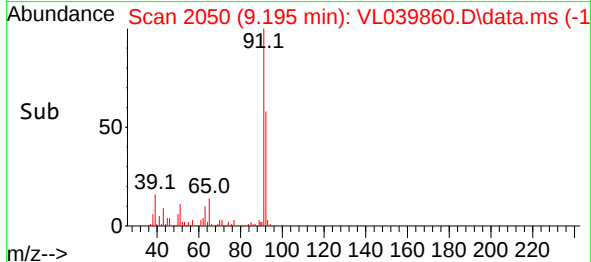
Instrument :
MSVOA_L
ClientSampleId :
IA-18F



Tgt Ion: 91 Resp: 118009
Ion Ratio Lower Upper
91 100
92 62.0 49.6 74.4

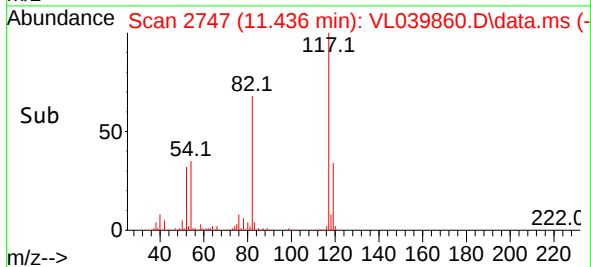
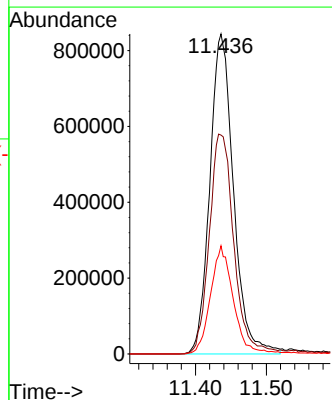
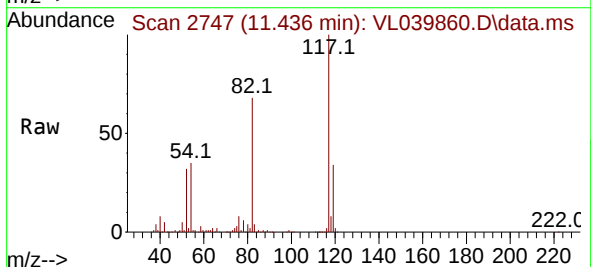
Manual Integrations
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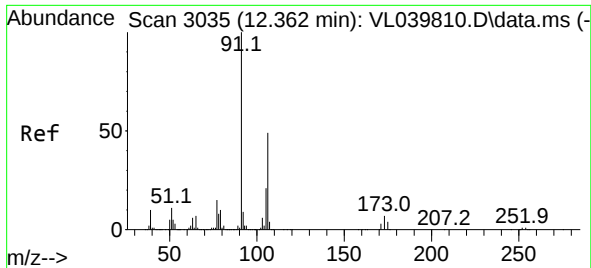
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2747
Delta R.T. -0.016 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Tgt Ion:117 Resp: 1955332
Ion Ratio Lower Upper
117 100
82 72.1 51.0 76.6
119 32.9 24.7 37.1





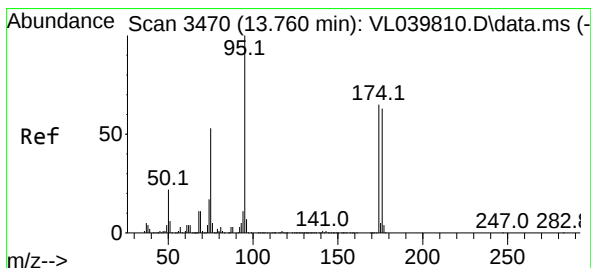
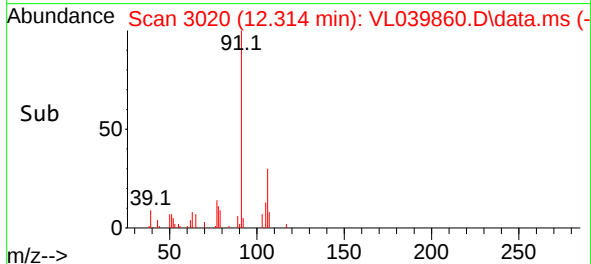
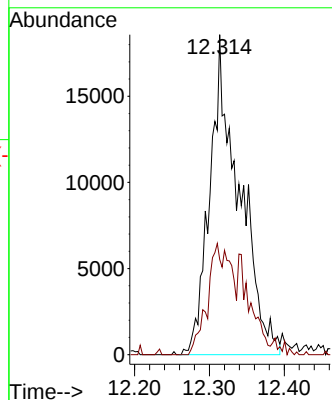
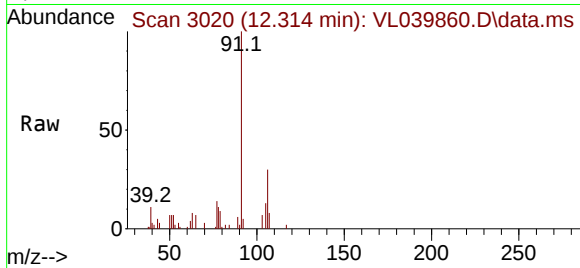
#59
m/p-Xylene
Concen: 0.228 ppbv m
RT: 12.314 min Scan# 3035
Delta R.T. -0.048 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
IA-18F

Tgt Ion: 91 Resp: 50283
Ion Ratio Lower Upper
91 100
106 0.0 37.6 56.4

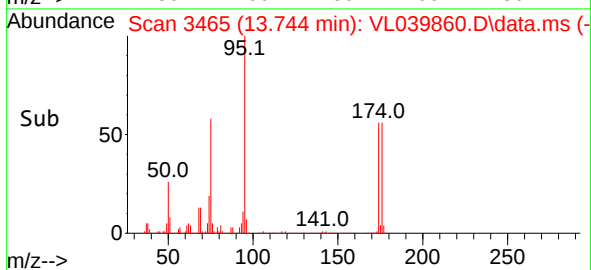
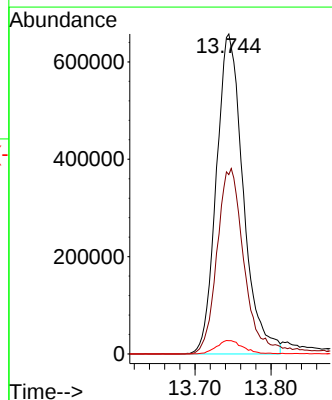
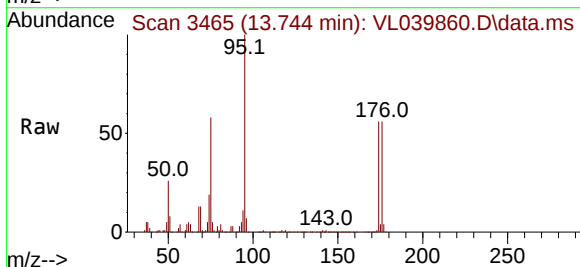
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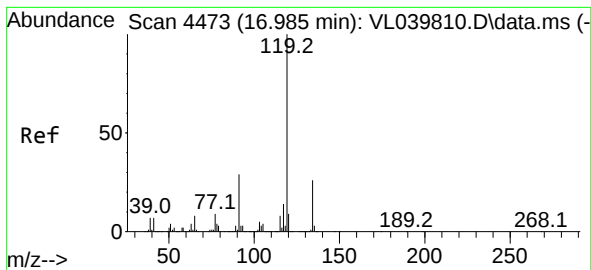
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.993 ppbv
RT: 13.744 min Scan# 3465
Delta R.T. -0.016 min
Lab File: VL039860.D
Acq: 9 Nov 2022 22:49

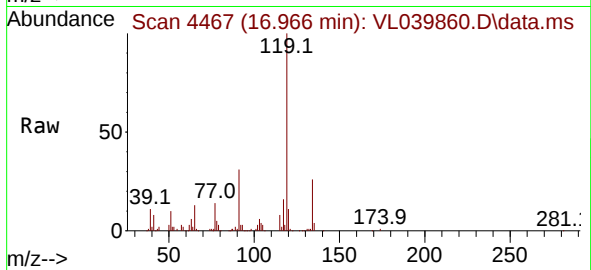
Tgt Ion: 95 Resp: 1608894
Ion Ratio Lower Upper
95 100
174 60.8 53.4 80.0
175 4.3 4.1 6.1





#69
 p-Isopropyltoluene
 Concen: 0.590 ppbv
 RT: 16.966 min Scan# 44
 Delta R.T. -0.019 min
 Lab File: VL039860.D
 Acq: 9 Nov 2022 22:49

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18F



Tgt Ion:119 Resp: 178400
 Ion Ratio Lower Upper
 119 100
 134 27.7 21.0 31.6
 91 35.4 22.8 34.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/10/2022
 Supervised By :Mahesh Dadoda 11/11/2022

