

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039876.D
 Acq On : 10 Nov 2022 23:13
 Operator : SY/AP
 Sample : N5584-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 05:03:56 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	5.195	49	836172	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	1760782	10.000	ppbv	# 0.00
55) Chlorobenzene-d5	11.459	117	1580708	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1324182	11.192	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	33106	0.235	ppbv	98
3) Chlorodifluoromethane	2.690	51	37647m	0.378	ppbv	
4) Chloromethane	2.832	50	24462	0.394	ppbv	92
9) Propene	2.723	41	21153	0.407	ppbv	88
10) Heptane	7.578	43	30337m	0.244	ppbv	
11) Trichlorofluoromethane	3.578	101	32153m	0.279	ppbv	
13) Ethanol	3.256	45	72894	19.858	ppbv	98
15) Acetone	3.478	43	1170157	11.497	ppbv	97
19) Isopropyl Alcohol	3.604	45	21550m	0.428	ppbv	
20) Methylene Chloride	3.944	84	607210	16.676	ppbv	92
26) Hexane	5.218	57	250135	2.676	ppbv	# 39
34) 2-Butanone	4.803	43	17437m	0.240	ppbv	
35) Carbon Tetrachloride	6.494	117	7703m	0.075	ppbv	
36) Benzene	6.369	78	28545m	0.192	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	31718m	0.127	ppbv	
53) Toluene	9.214	91	301056	1.767	ppbv	99
59) m/p-Xylene	12.336	91	25278m	0.142	ppbv	

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

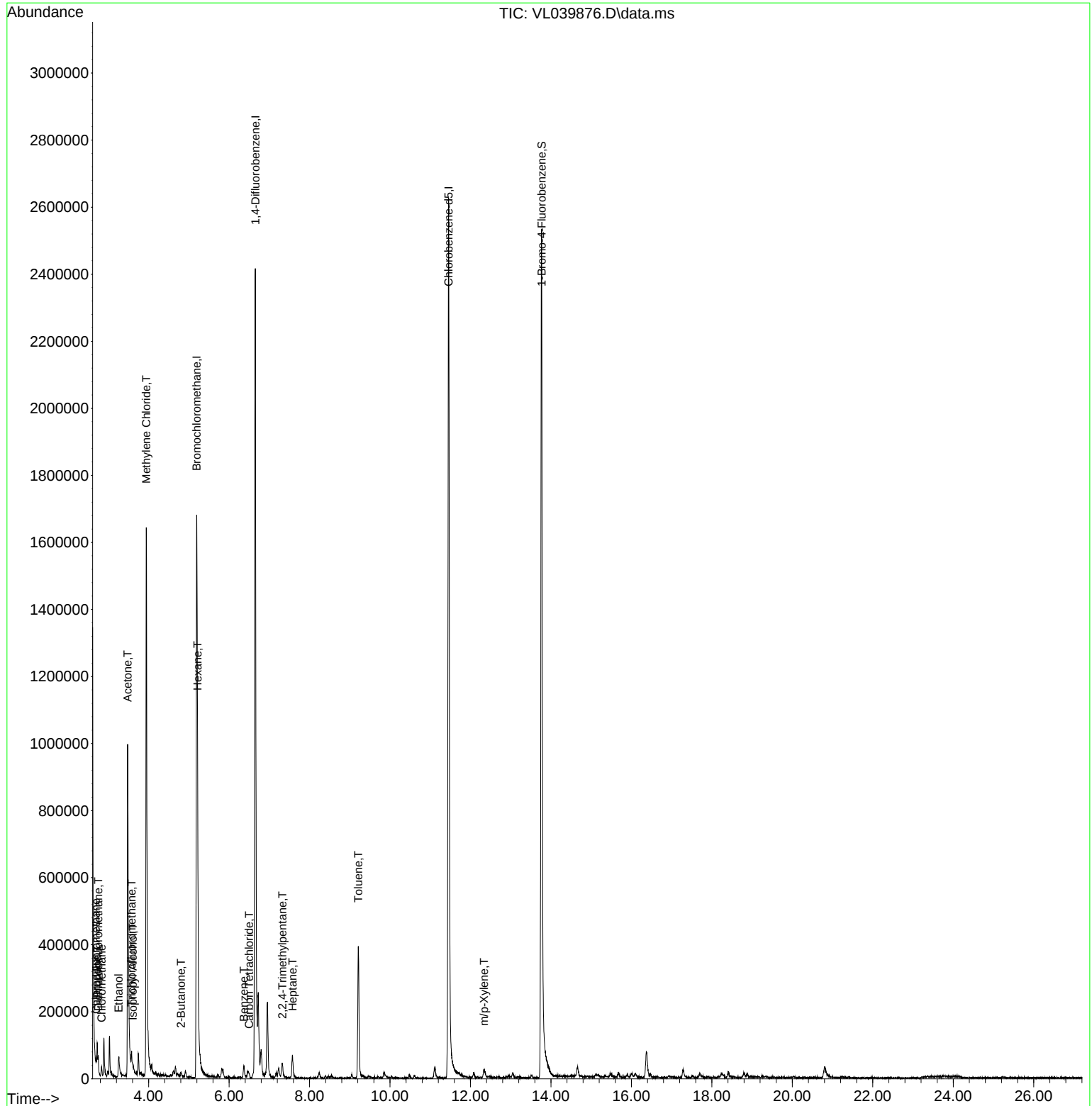
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
Data File : VL039876.D
Acq On : 10 Nov 2022 23:13
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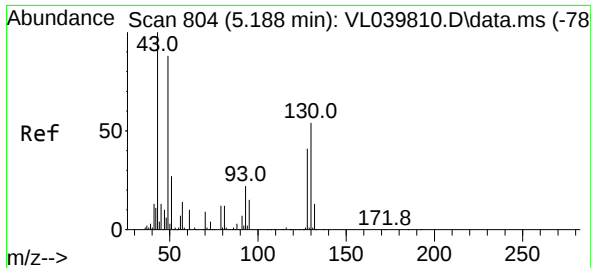
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Nov 11 05:03:56 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

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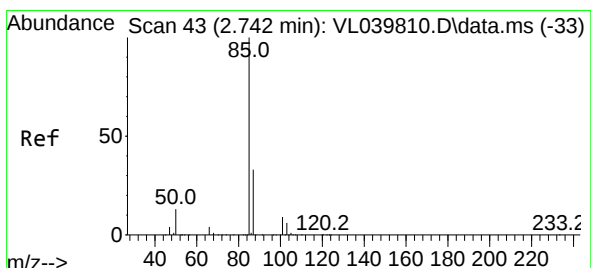
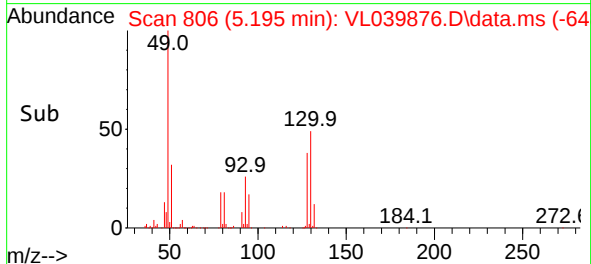
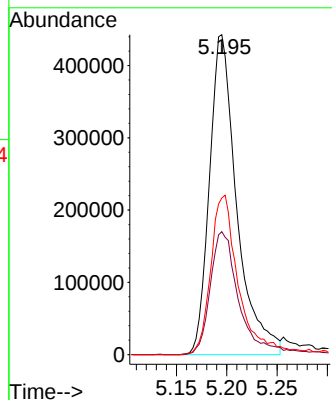
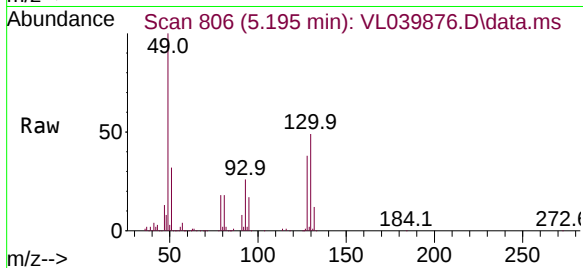
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 836172
Ion Ratio Lower Upper
49 100
128 41.3 24.6 73.6
130 52.5 31.1 93.2

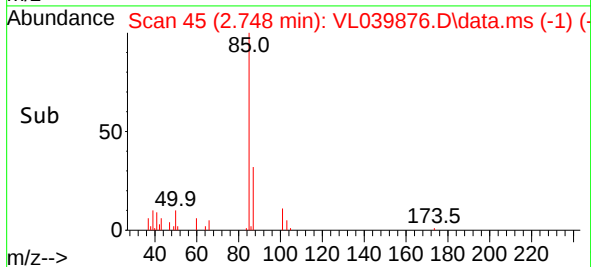
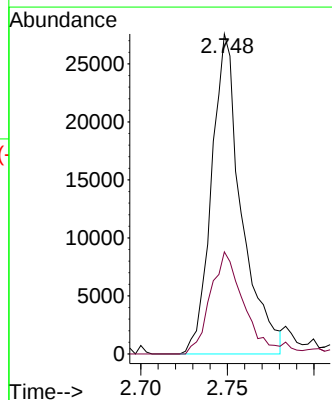
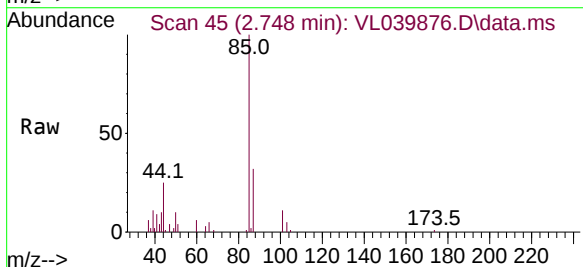
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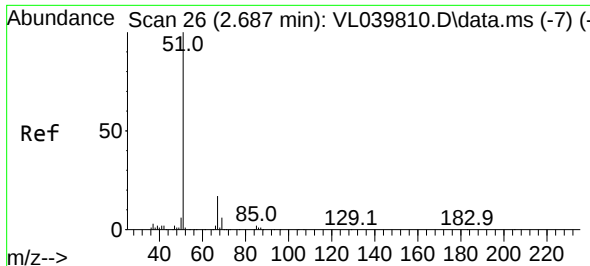
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#2
Dichlorodifluoromethane
Concen: 0.235 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Tgt Ion: 85 Resp: 33106
Ion Ratio Lower Upper
85 100
87 31.9 26.4 39.6





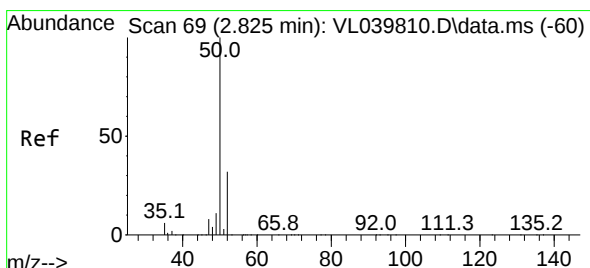
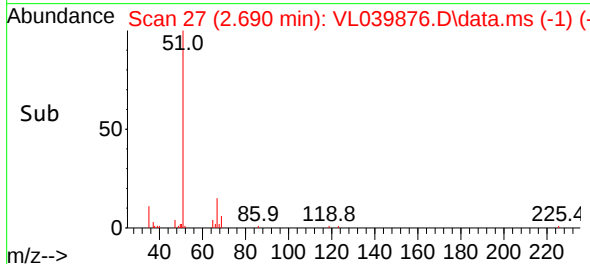
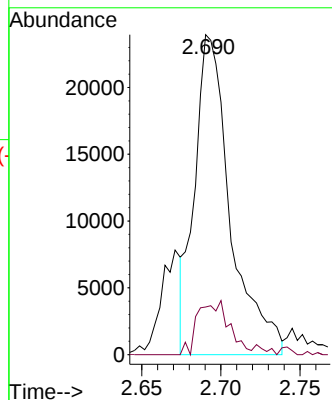
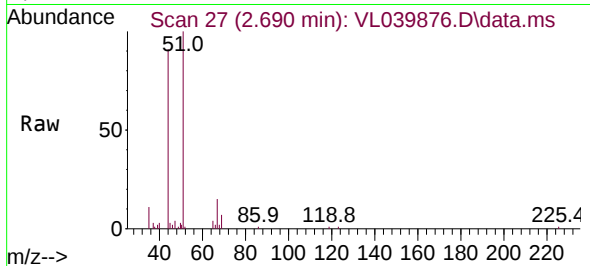
#3
Chlorodifluoromethane
Concen: 0.378 ppbv m
RT: 2.690 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 3764
Ion Ratio Lower Upper
51 100
67 16.7 13.2 19.8

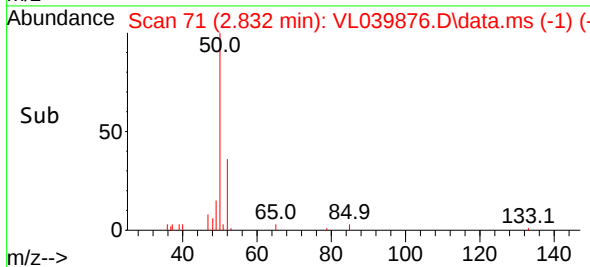
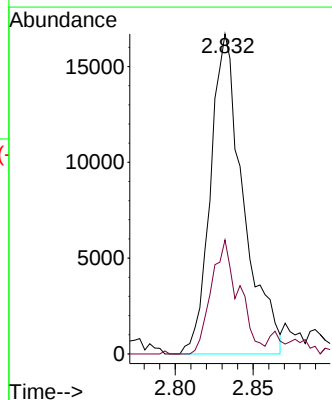
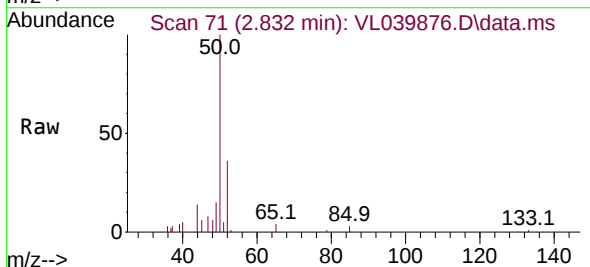
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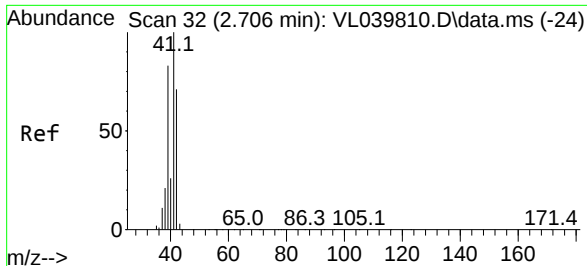
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#4
Chloromethane
Concen: 0.394 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

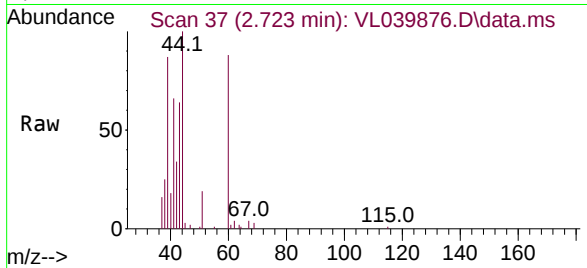
Tgt Ion: 50 Resp: 24462
Ion Ratio Lower Upper
50 100
52 36.2 25.5 38.3





#9
 Propene
 Concen: 0.407 ppbv
 RT: 2.723 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: VL039876.D
 Acq: 10 Nov 2022 23:13

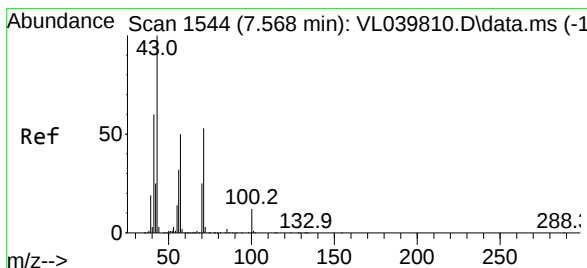
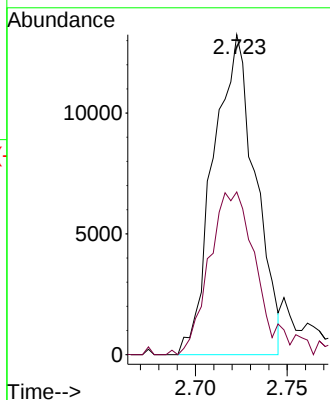
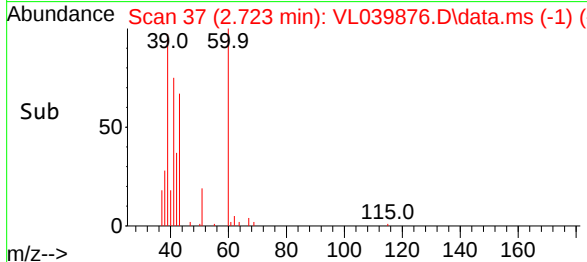
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



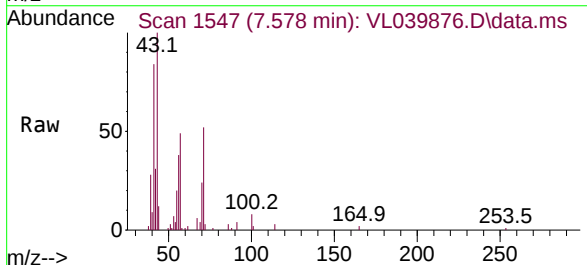
Tgt Ion: 41 Resp: 2115
 Ion Ratio Lower Upper
 41 100
 42 60.7 56.3 84.5

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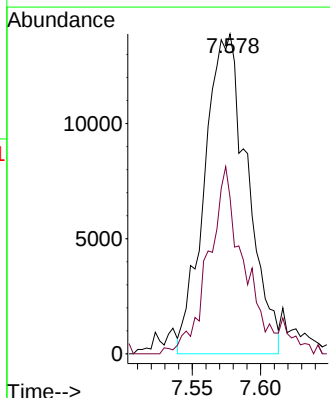
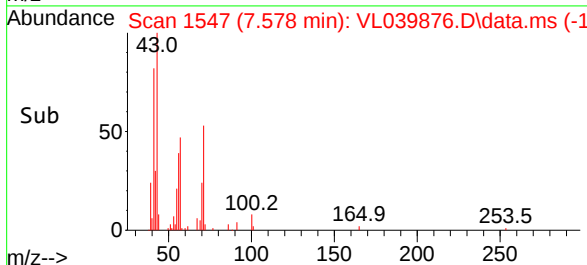
Reviewed By :Semsettin Yesilyurt 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

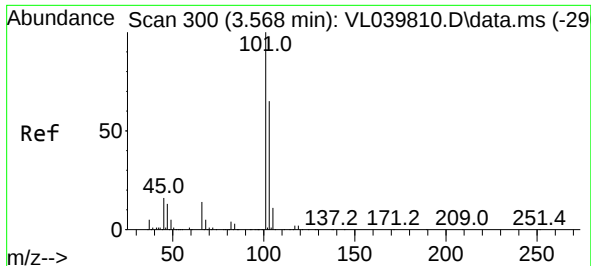


#10
 Heptane
 Concen: 0.244 ppbv m
 RT: 7.578 min Scan# 1547
 Delta R.T. 0.010 min
 Lab File: VL039876.D
 Acq: 10 Nov 2022 23:13



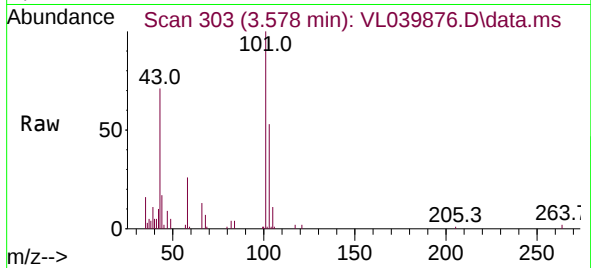
Tgt Ion: 43 Resp: 30337
 Ion Ratio Lower Upper
 43 100
 57 51.6 40.5 60.7





#11
 Trichlorofluoromethane
 Concen: 0.279 ppbv m
 RT: 3.578 min Scan# 300
 Delta R.T. 0.010 min
 Lab File: VL039876.D
 Acq: 10 Nov 2022 23:13

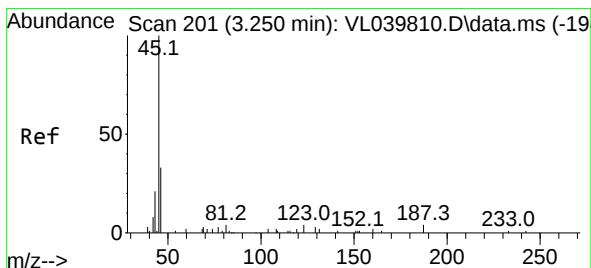
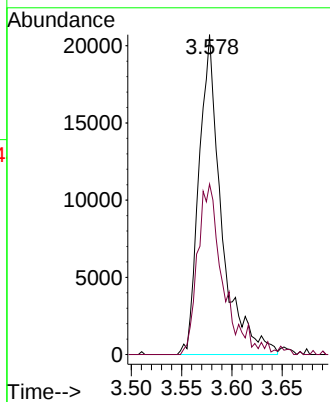
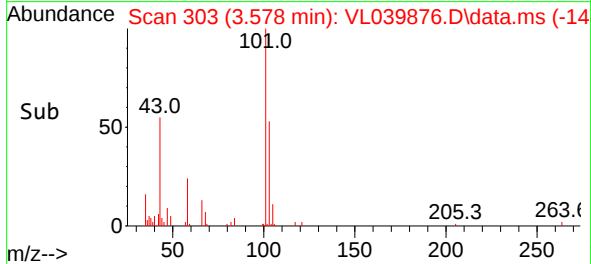
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



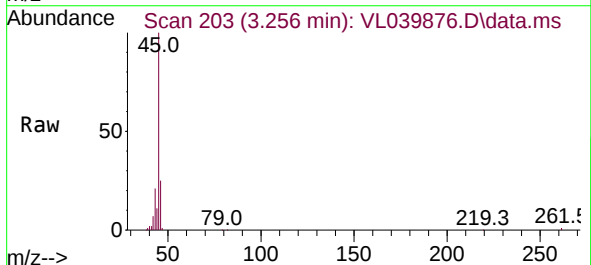
Tgt Ion:101 Resp: 32153
 Ion Ratio Lower Upper
 101 100
 103 53.3 52.2 78.2

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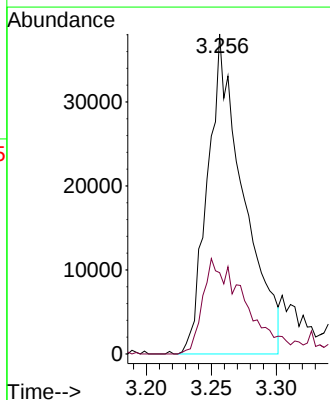
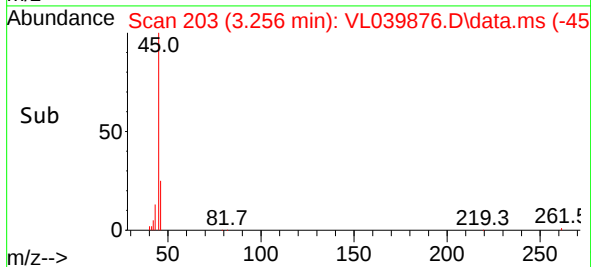
Reviewed By :Semsettin Yesilyurt 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

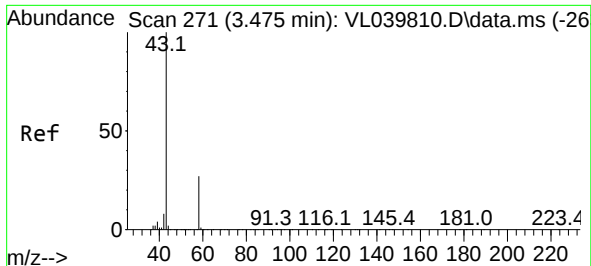


#13
 Ethanol
 Concen: 19.858 ppbv
 RT: 3.256 min Scan# 203
 Delta R.T. 0.007 min
 Lab File: VL039876.D
 Acq: 10 Nov 2022 23:13



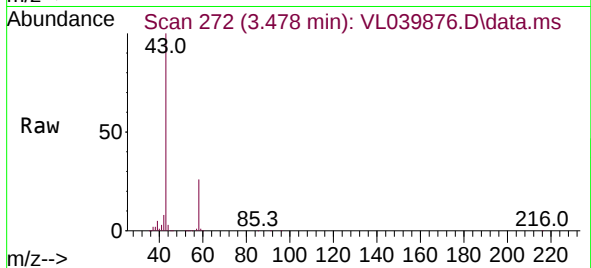
Tgt Ion: 45 Resp: 72894
 Ion Ratio Lower Upper
 45 100
 46 40.2 16.5 65.9





#15
Acetone
Concen: 11.497 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

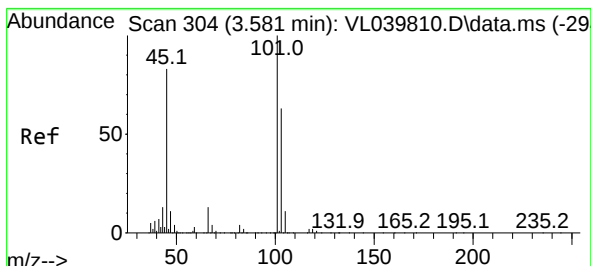
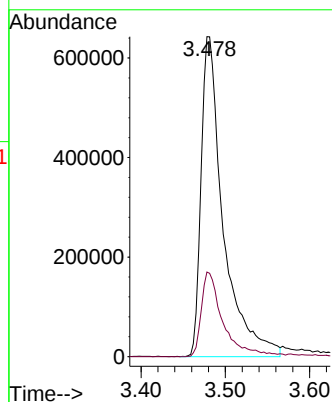
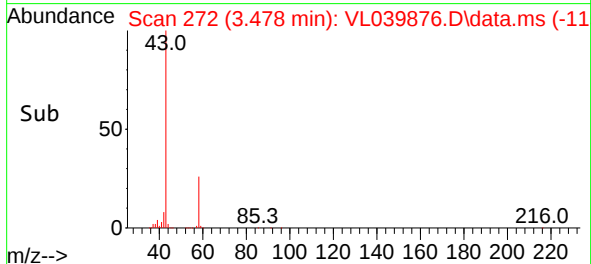
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 117015
Ion Ratio Lower Upper
43 100
58 27.2 23.2 34.8

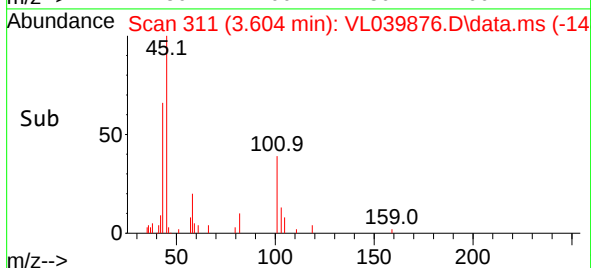
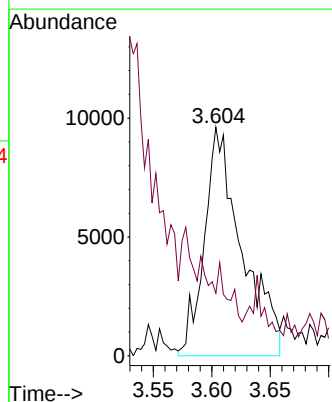
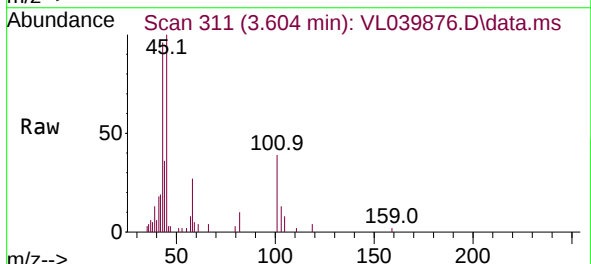
Manual Integrations
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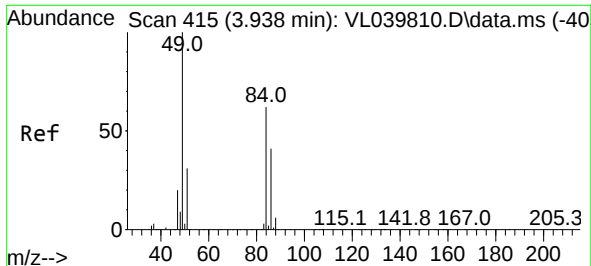
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#19
Isopropyl Alcohol
Concen: 0.428 ppbv m
RT: 3.604 min Scan# 311
Delta R.T. 0.023 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

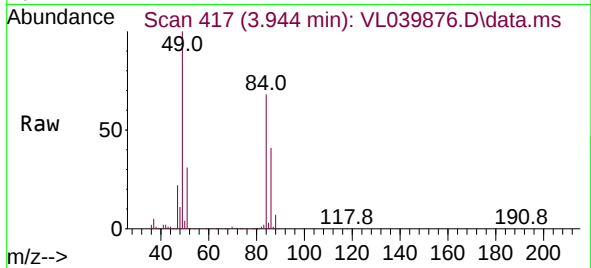
Tgt Ion: 45 Resp: 21550
Ion Ratio Lower Upper
45 100
58 0.0 38.3 57.5#





#20
Methylene Chloride
Concen: 16.676 ppbv
RT: 3.944 min Scan# 415
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

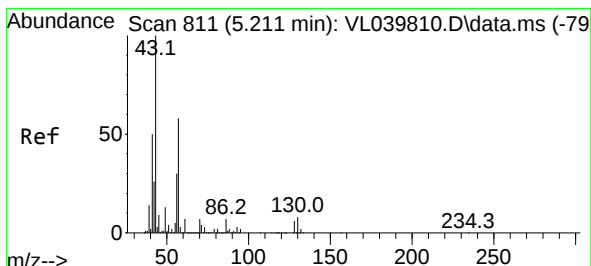
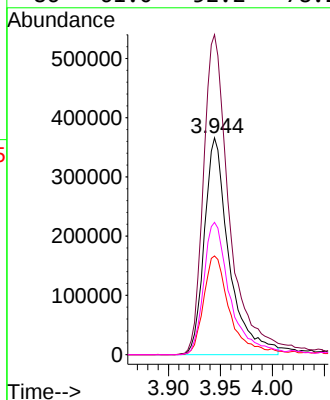
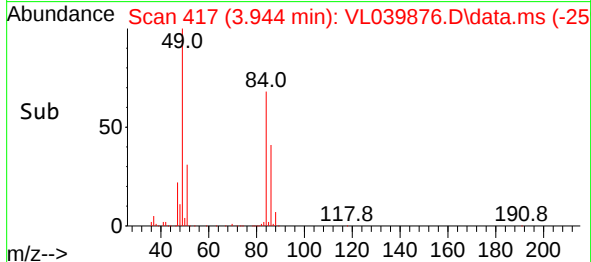
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 607210
Ion Ratio Lower Upper
84 100
49 147.5 128.6 192.8
51 45.4 40.2 60.4
86 61.0 52.2 78.2

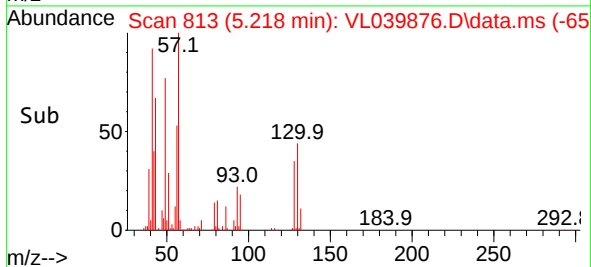
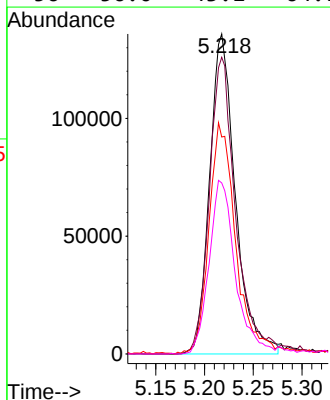
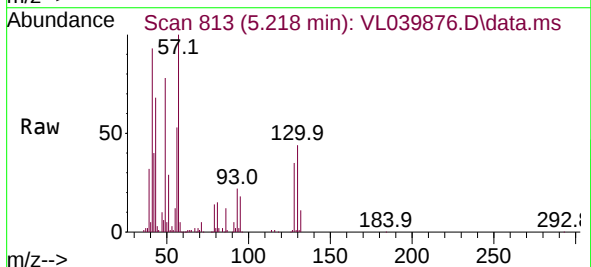
Manual Integrations
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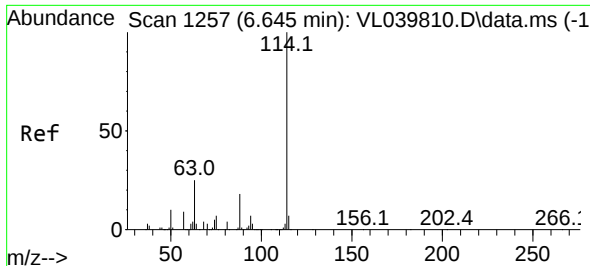
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#26
Hexane
Concen: 2.676 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Tgt Ion: 57 Resp: 250135
Ion Ratio Lower Upper
57 100
41 98.1 73.7 110.5
43 76.1 189.8 284.8#
56 56.0 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL039876.D

Acq: 10 Nov 2022 23:13

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 1760782

Ion Ratio Lower Upper

114 100

63 30.2 19.8 29.6

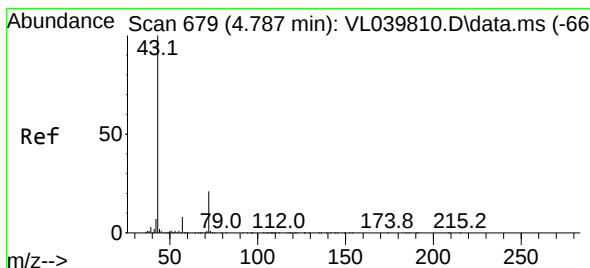
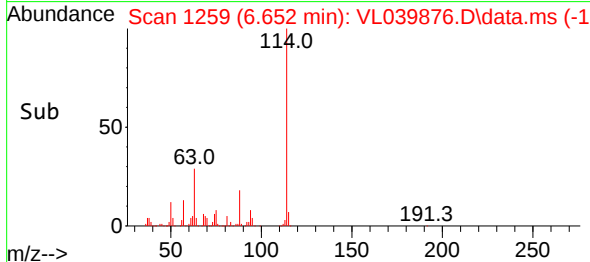
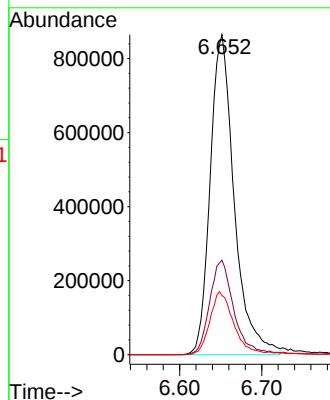
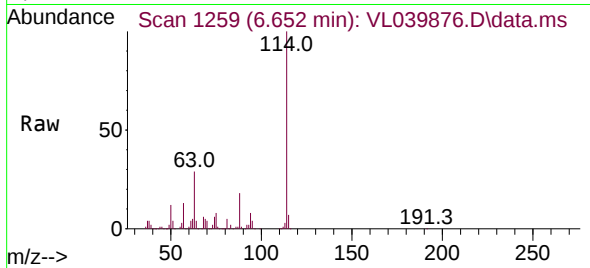
88 20.1 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022

Supervised By :Mahesh Dadoda 11/11/2022



#34

2-Butanone

Concen: 0.240 ppbv m

RT: 4.803 min Scan# 684

Delta R.T. 0.016 min

Lab File: VL039876.D

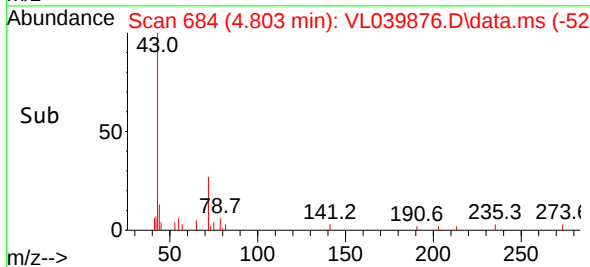
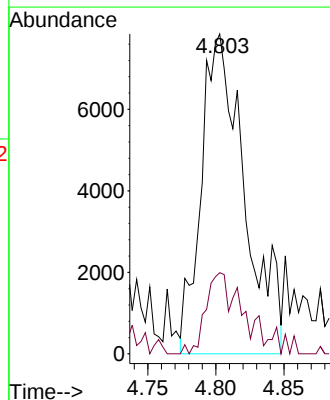
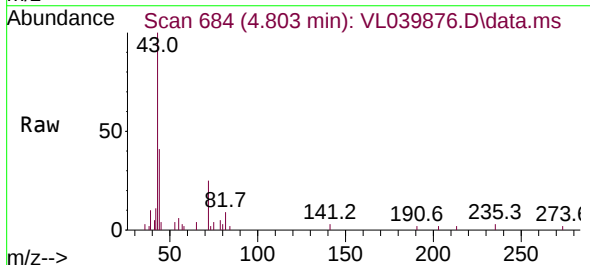
Acq: 10 Nov 2022 23:13

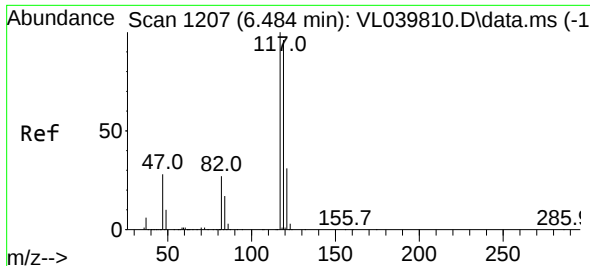
Tgt Ion: 43 Resp: 17437

Ion Ratio Lower Upper

43 100

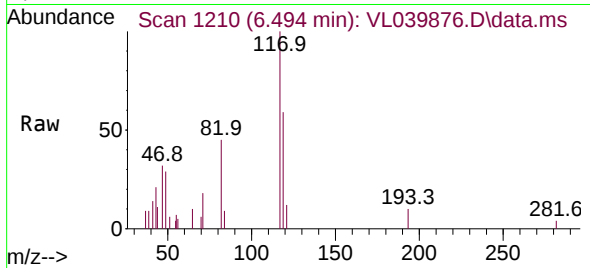
72 0.0 17.5 26.3#





#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.494 min Scan# 1170
Delta R.T. 0.010 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

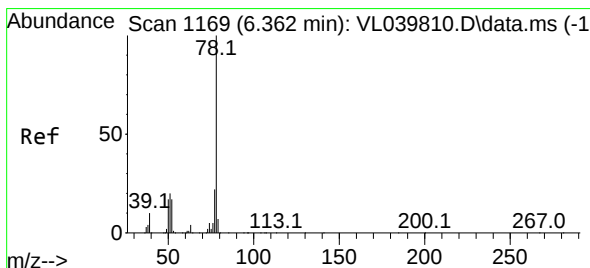
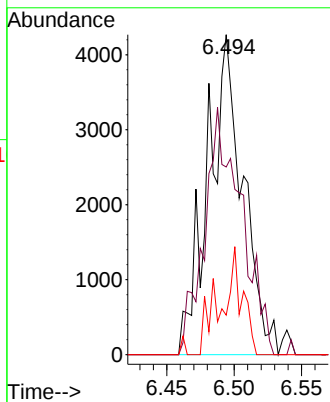
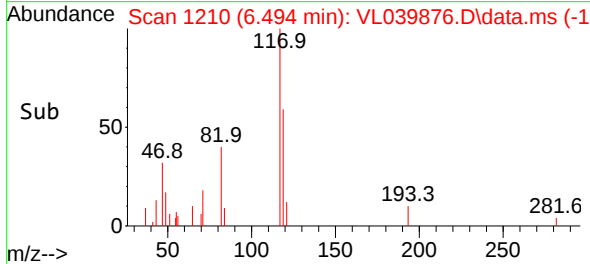
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 7703
Ion Ratio Lower Upper
117 100
119 58.6 76.5 114.7
121 12.3 25.2 37.8

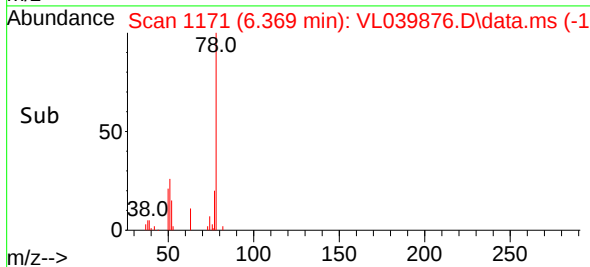
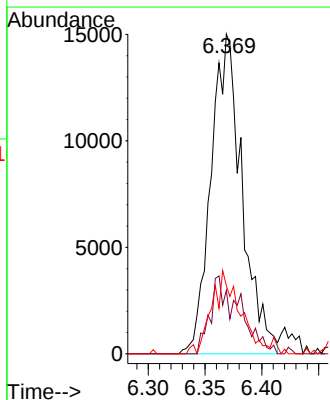
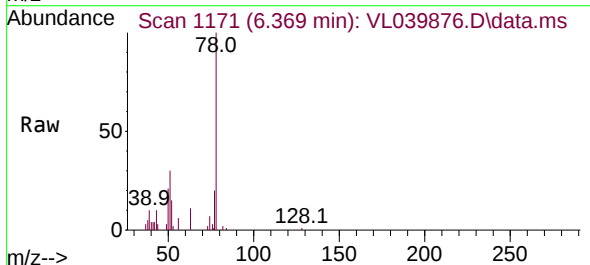
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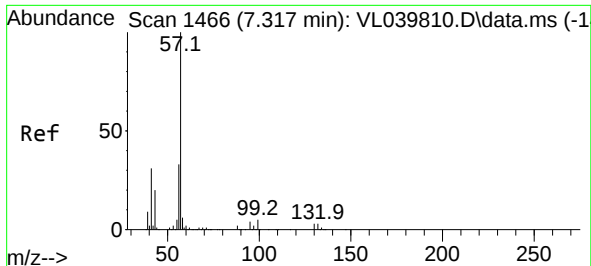
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#36
Benzene
Concen: 0.192 ppbv m
RT: 6.369 min Scan# 1171
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Tgt Ion: 78 Resp: 28545
Ion Ratio Lower Upper
78 100
77 19.9 17.4 26.2
50 21.3 13.9 20.9





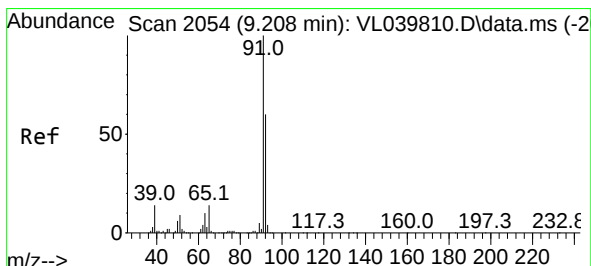
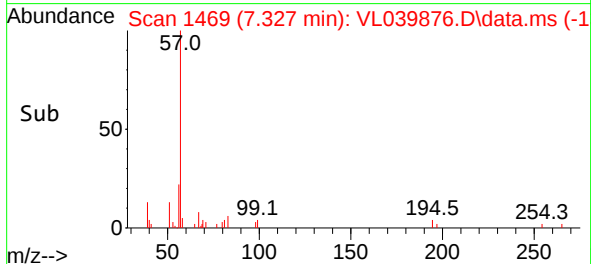
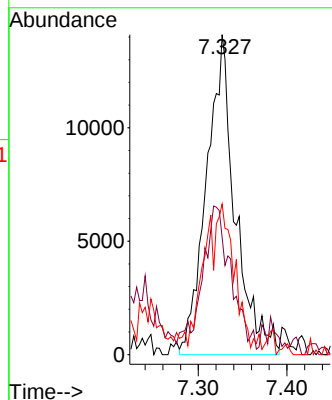
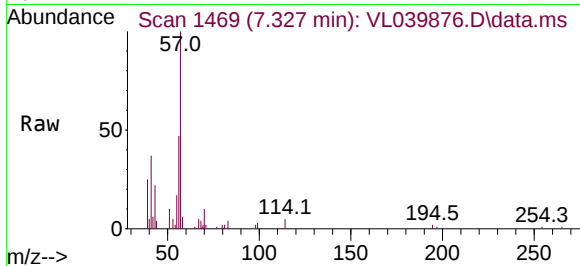
#44
2,2,4-Trimethylpentane
Concen: 0.127 ppbv m
RT: 7.327 min Scan# 1466
Delta R.T. 0.010 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 57 Resp: 31718
Ion Ratio Lower Upper
57 100
41 0.0 24.6 36.8
56 50.7 25.4 38.0

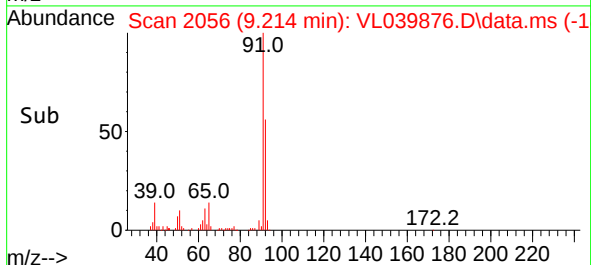
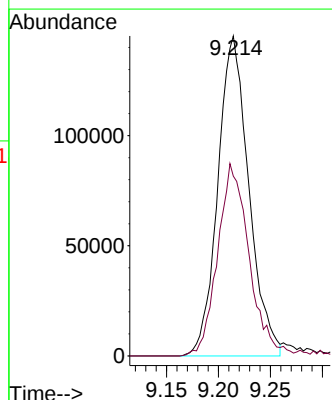
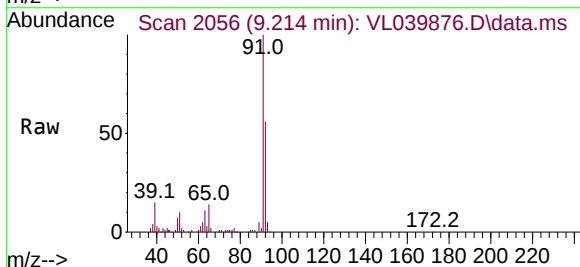
Manual Integrations
APPROVED

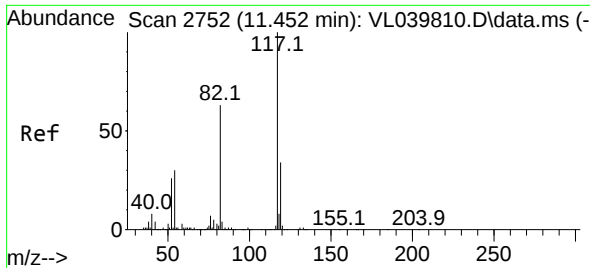
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#53
Toluene
Concen: 1.767 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

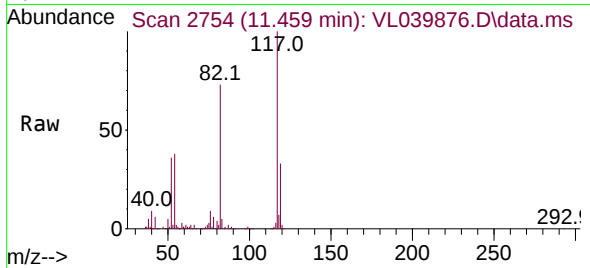
Tgt Ion: 91 Resp: 301056
Ion Ratio Lower Upper
91 100
92 61.6 49.6 74.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

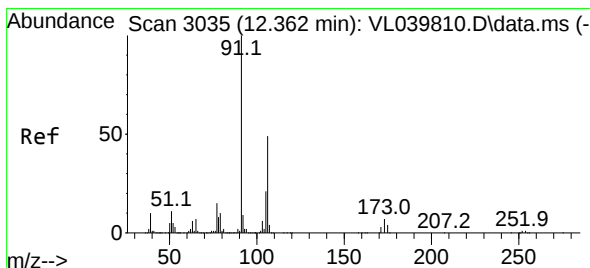
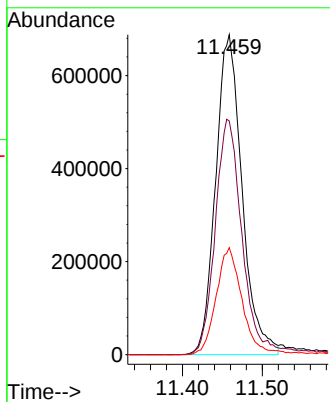
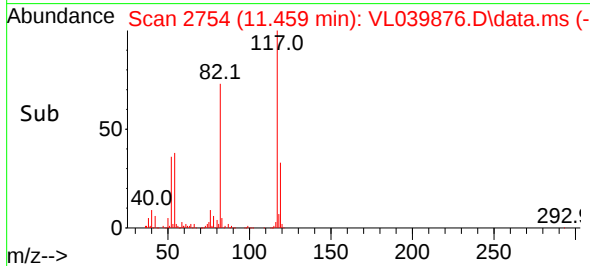
Instrument :
MSVOA_L
ClientSampleId :
OA1



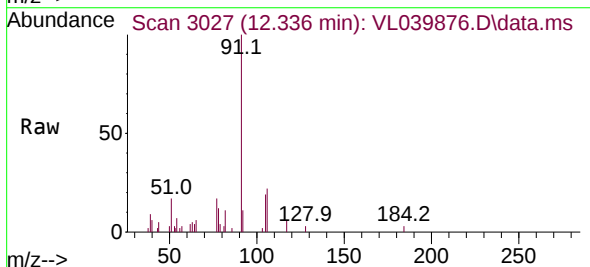
Tgt Ion:117 Resp: 1580708
Ion Ratio Lower Upper
117 100
82 77.5 51.0 76.6
119 33.8 24.7 37.1

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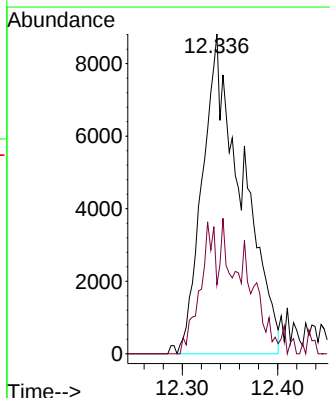
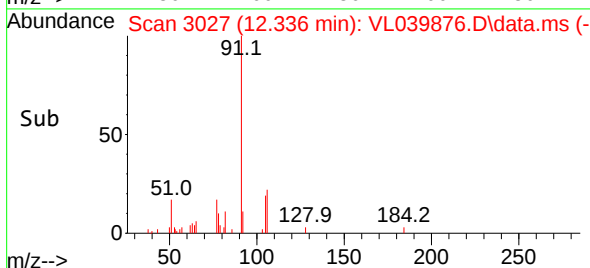
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

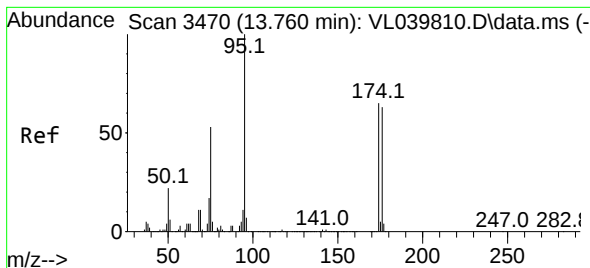


#59
m/p-Xylene
Concen: 0.142 ppbv m
RT: 12.336 min Scan# 3027
Delta R.T. -0.025 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13



Tgt Ion: 91 Resp: 25278
Ion Ratio Lower Upper
91 100
106 0.0 37.6 56.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 11.192 ppbv

RT: 13.767 min Scan# 34

Delta R.T. 0.007 min

Lab File: VL039876.D

Acq: 10 Nov 2022 23:13

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 95 Resp: 1324182

Ion Ratio Lower Upper

95 100

174 56.2 53.4 80.0

175 4.0 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022

Supervised By :Mahesh Dadoda 11/11/2022

