

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
 Data File : VL039932.D
 Acq On : 23 Nov 2022 1:22
 Operator : SY/AP
 Sample : N5767-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/23/2022
 Supervised By :Mahesh Dadoda 11/24/2022

Quant Time: Nov 23 04:54:10 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	956931	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	2711548	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	2408718	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1910427	10.384	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.710	85	26289	0.192	ppbv	96
9) Propene	2.674	41	82780	1.331	ppbv	95
13) Ethanol	3.237	45	15467m	3.257	ppbv	
15) Acetone	3.452	43	827261	6.518	ppbv	99
20) Methylene Chloride	3.915	84	115056	1.871	ppbv	95
26) Hexane	5.198	57	355005	3.487	ppbv #	35
29) Chloroform	5.259	83	23397m	0.173	ppbv	
34) 2-Butanone	4.780	43	30059	0.232	ppbv #	70
36) Benzene	6.349	78	26624	0.116	ppbv	93
53) Toluene	9.208	91	173556	0.661	ppbv	97
58) Ethyl Benzene	12.076	91	55202m	0.169	ppbv	
59) m/p-Xylene	12.336	91	181643	0.664	ppbv	94
60) o-Xylene	13.056	91	109367m	0.419	ppbv	
72) 4-Ethyltoluene	15.185	105	48229	0.165	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.346	105	60857m	0.227	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	261441	0.920	ppbv #	69

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

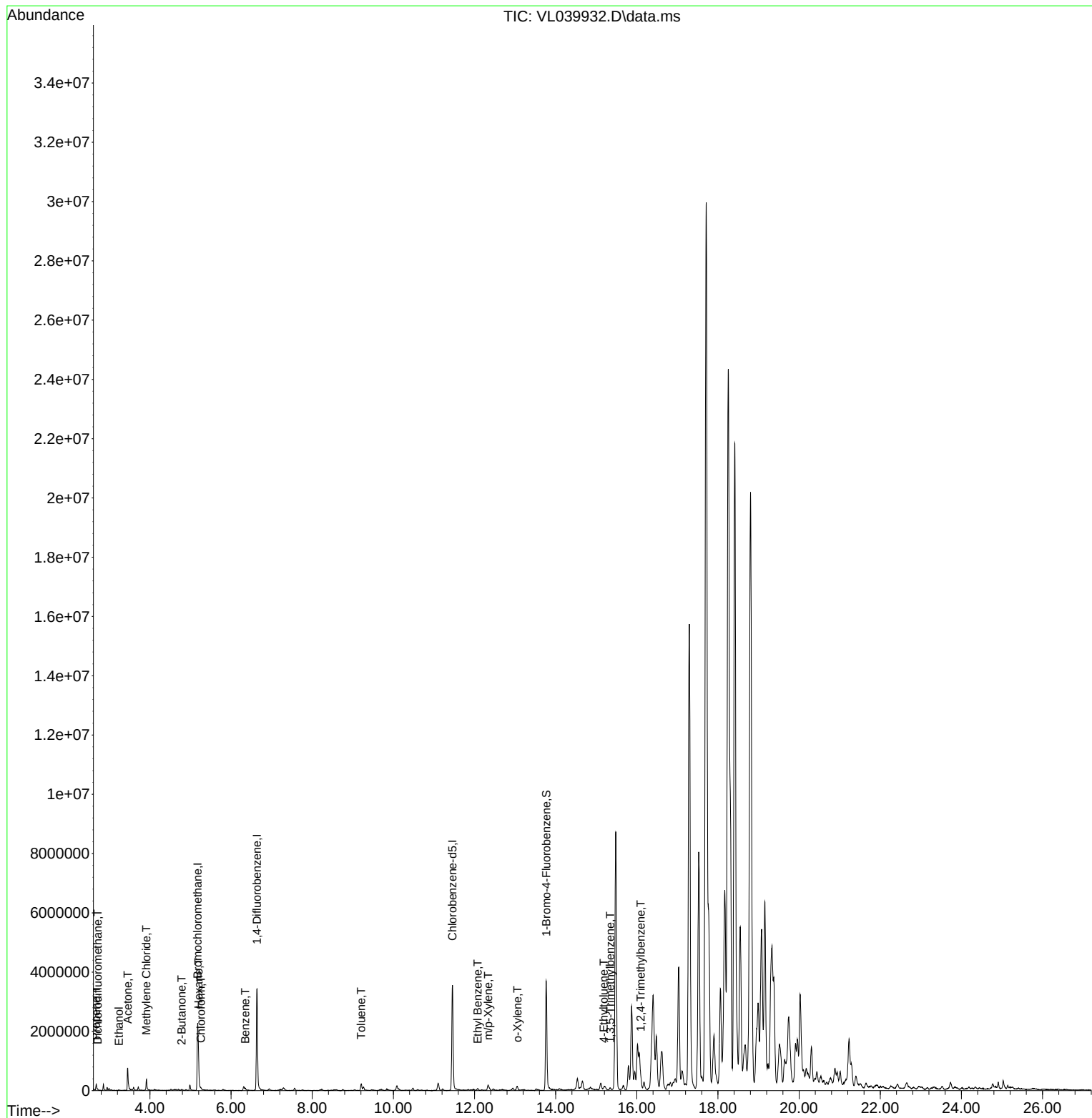
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
Data File : VL039932.D
Acq On : 23 Nov 2022 1:22
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Sample : N5767-02 4X
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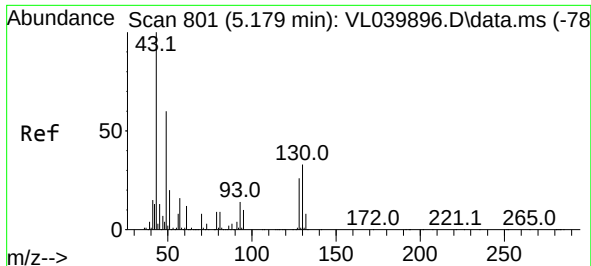
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Nov 23 04:54:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration

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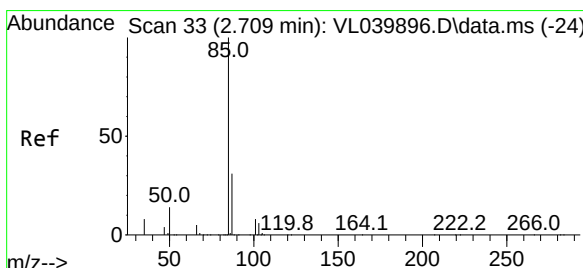
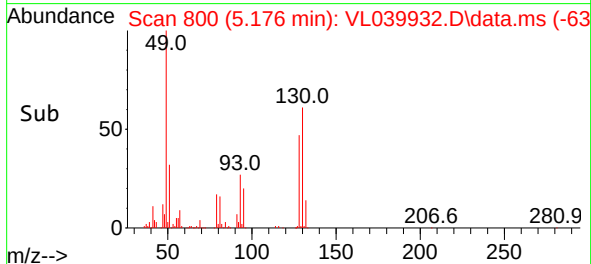
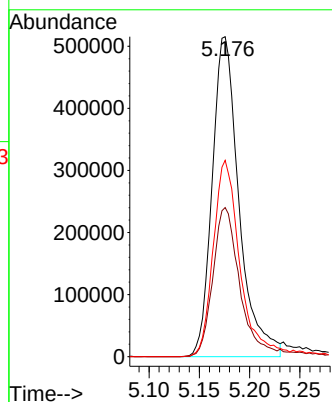
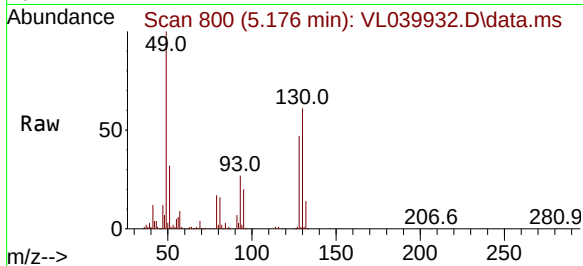
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 95693
Ion Ratio Lower Upper
49 100
128 49.2 22.1 66.3
130 63.4 27.7 83.1

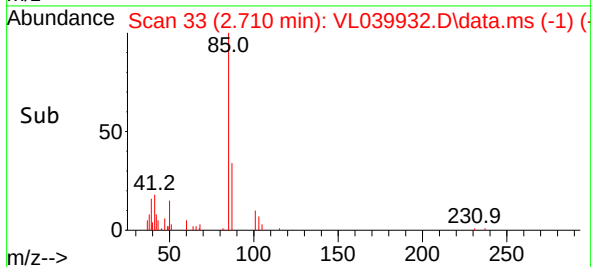
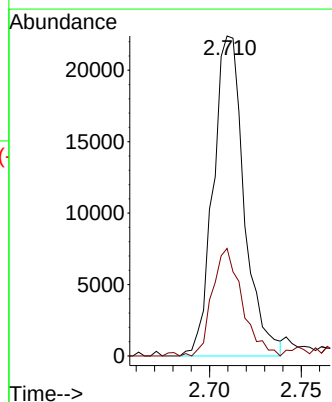
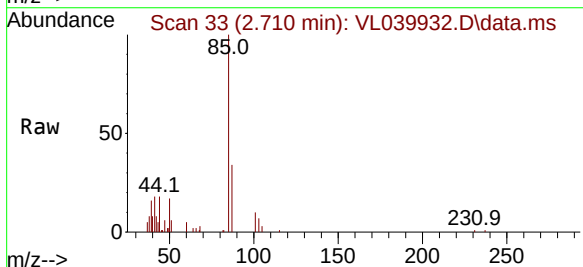
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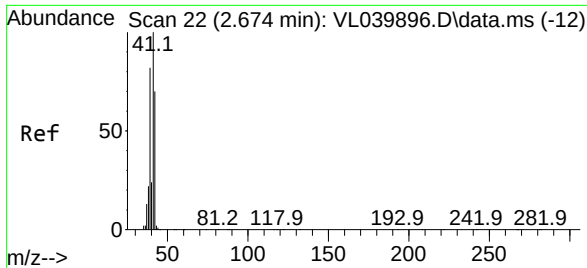
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#2
Dichlorodifluoromethane
Concen: 0.192 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.013 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

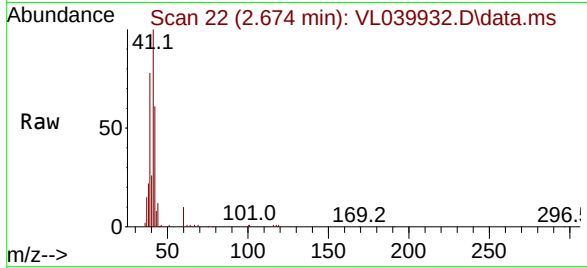
Tgt Ion: 85 Resp: 26289
Ion Ratio Lower Upper
85 100
87 33.6 25.0 37.4





#9
 Propene
 Concen: 1.331 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL039932.D
 Acq: 23 Nov 2022 1:22

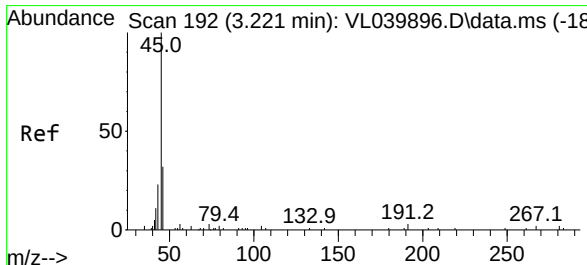
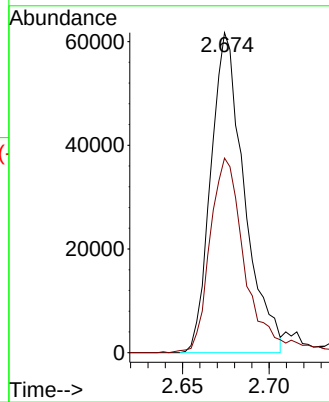
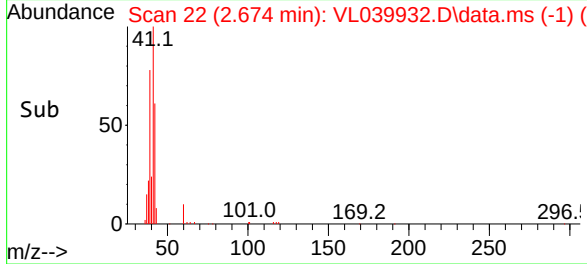
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



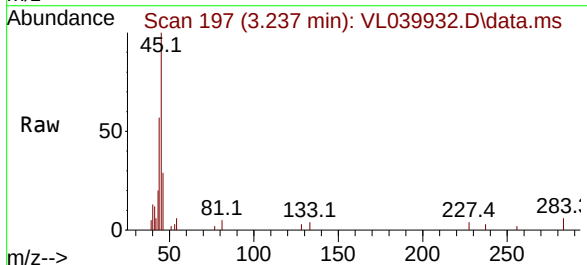
Tgt Ion: 41 Resp: 82780
 Ion Ratio Lower Upper
 41 100
 42 65.6 55.8 83.6

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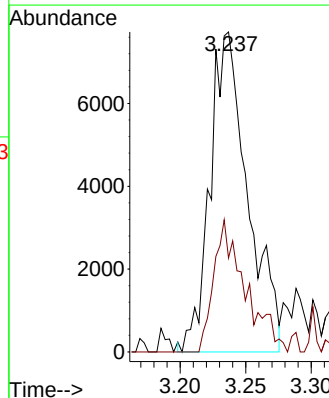
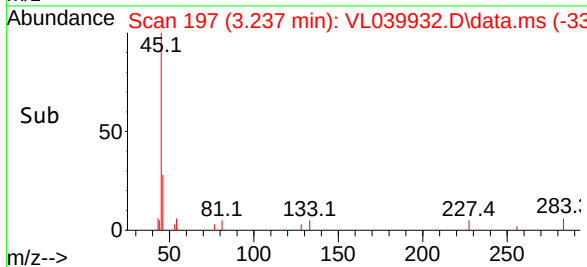
Reviewed By :Semsettin Yesilyurt 11/23/2022
 Supervised By :Mahesh Dadoda 11/24/2022

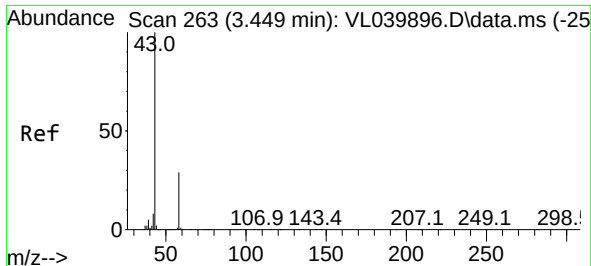


#13
 Ethanol
 Concen: 3.257 ppbv m
 RT: 3.237 min Scan# 197
 Delta R.T. 0.029 min
 Lab File: VL039932.D
 Acq: 23 Nov 2022 1:22



Tgt Ion: 45 Resp: 15467
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.6 58.2#





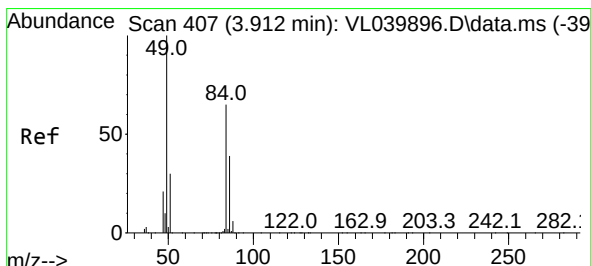
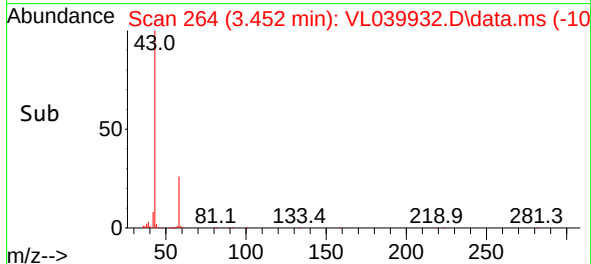
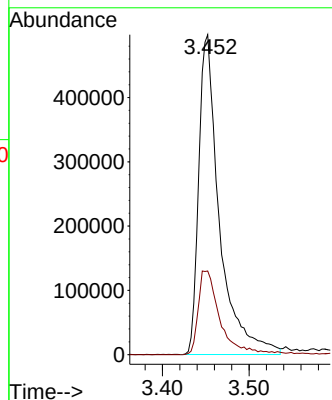
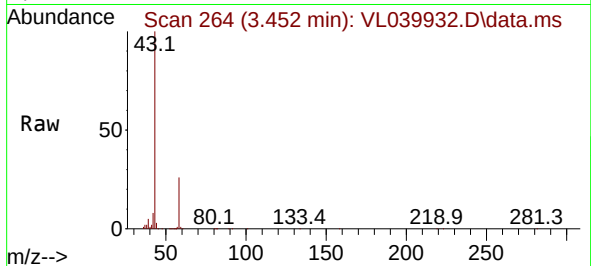
#15
Acetone
Concen: 6.518 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 82726
Ion Ratio Lower Upper
43 100
58 28.3 22.9 34.3

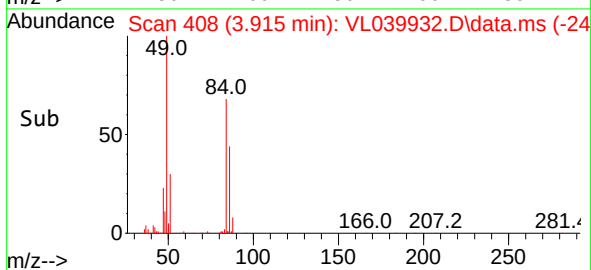
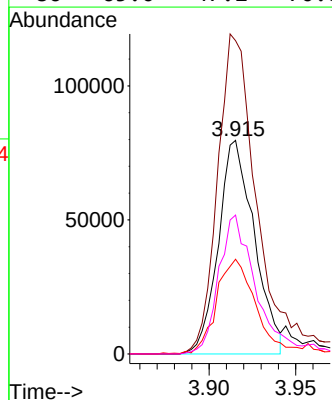
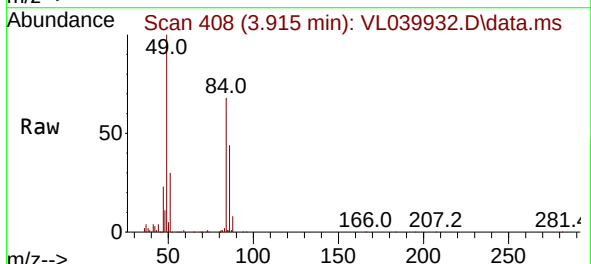
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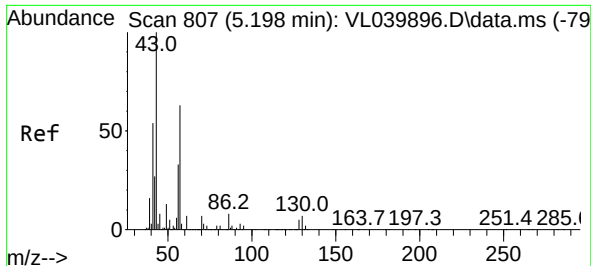
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#20
Methylene Chloride
Concen: 1.871 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.016 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

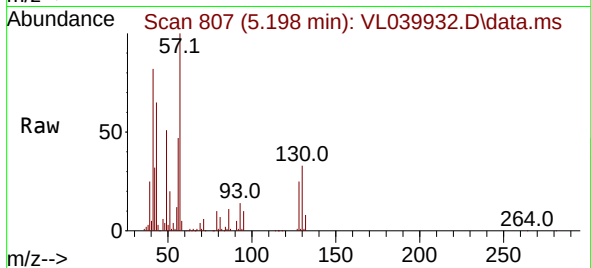
Tgt Ion: 84 Resp: 115056
Ion Ratio Lower Upper
84 100
49 146.7 122.2 183.4
51 44.1 36.3 54.5
86 65.0 47.2 70.8





#26
Hexane
Concen: 3.487 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.016 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

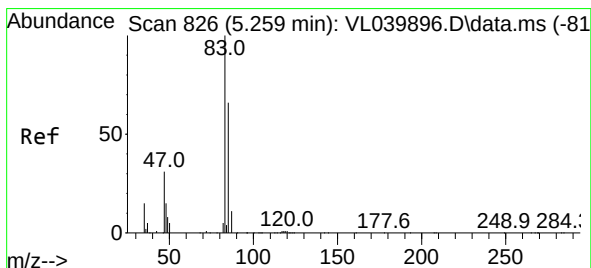
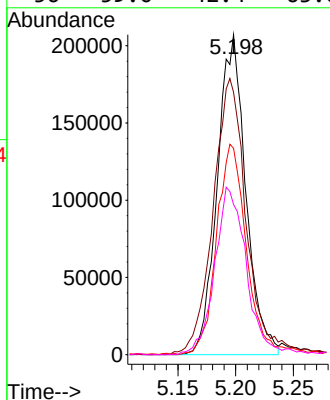
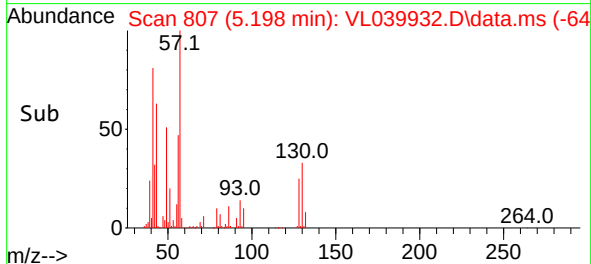
Instrument :
MSVOA_L
ClientSampleId :
SV2



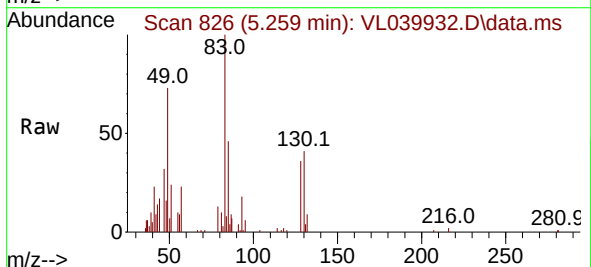
Tgt Ion: 57 Resp: 355000
Ion Ratio Lower Upper
57 100
41 101.8 72.3 108.5
43 70.3 188.7 283.1
56 59.0 42.4 63.6

Manual Integrations
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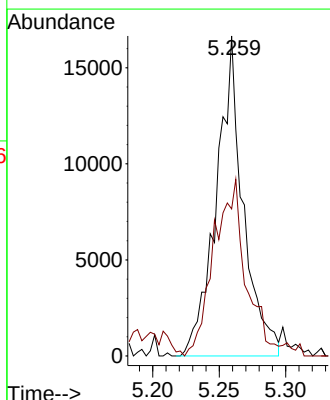
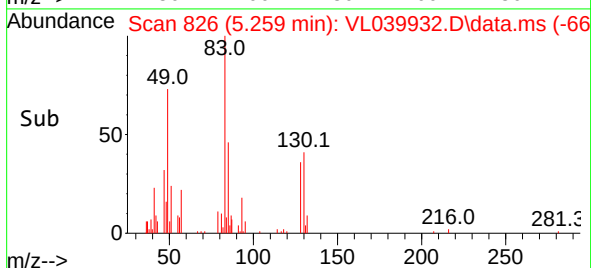
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Supervised By :Mahesh Dadoda 11/24/2022

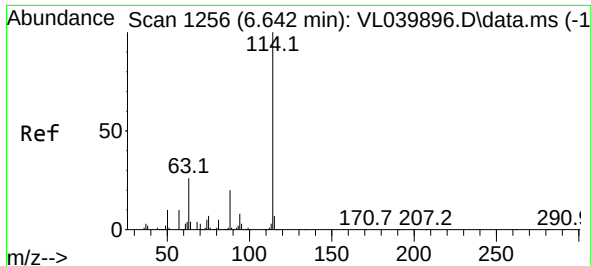


#29
Chloroform
Concen: 0.173 ppbv m
RT: 5.259 min Scan# 826
Delta R.T. 0.019 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22



Tgt Ion: 83 Resp: 23397
Ion Ratio Lower Upper
83 100
85 45.9 52.4 78.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. 0.019 min

Lab File: VL039932.D

Acq: 23 Nov 2022 1:22

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:114 Resp: 271154

Ion Ratio Lower Upper

114 100

63 24.9 21.4 32.0

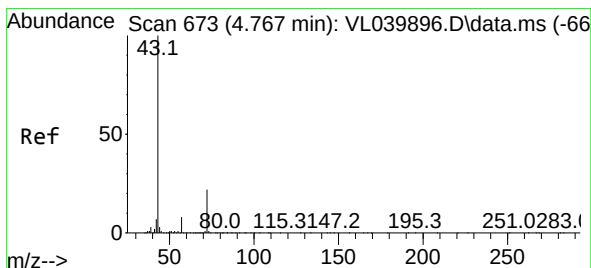
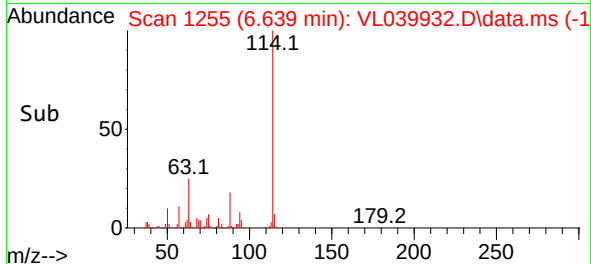
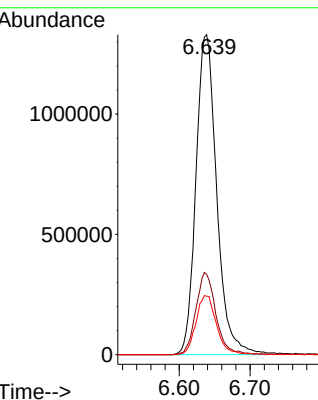
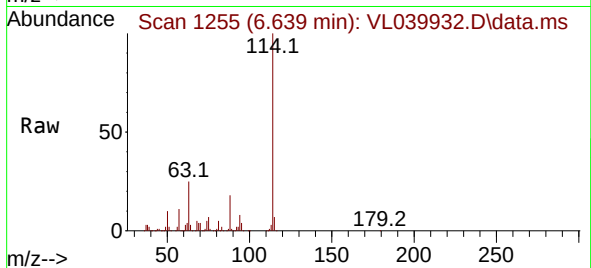
88 18.4 15.3 22.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/23/2022

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#34

2-Butanone

Concen: 0.232 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.029 min

Lab File: VL039932.D

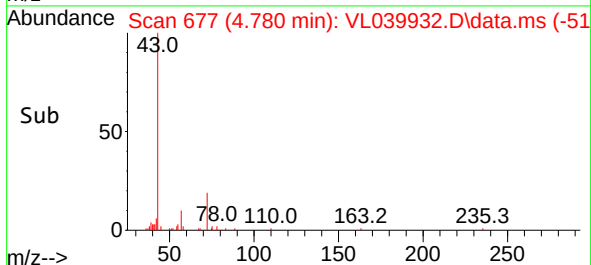
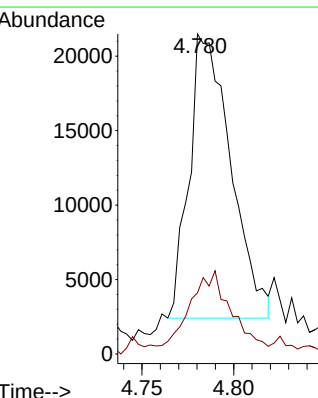
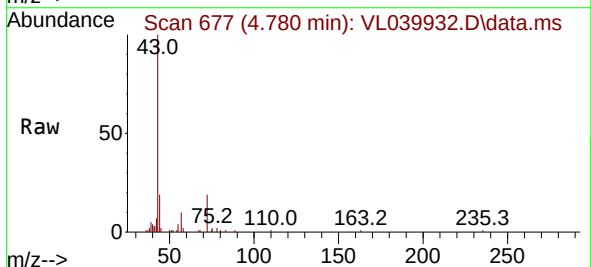
Acq: 23 Nov 2022 1:22

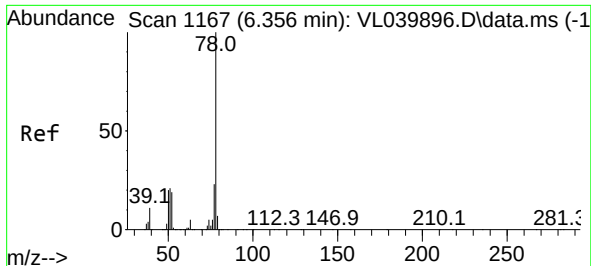
Tgt Ion: 43 Resp: 30059

Ion Ratio Lower Upper

43 100

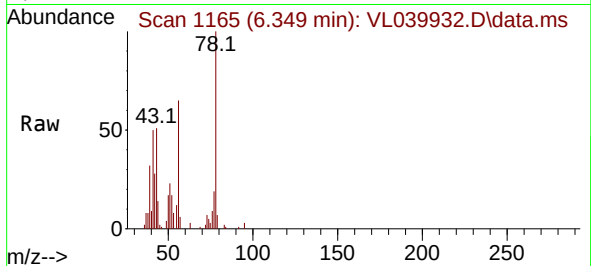
72 36.2 17.4 26.2#





#36
Benzene
Concen: 0.116 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.013 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

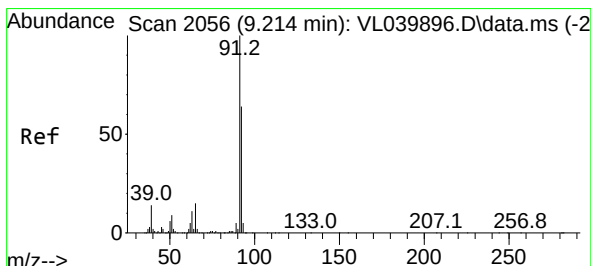
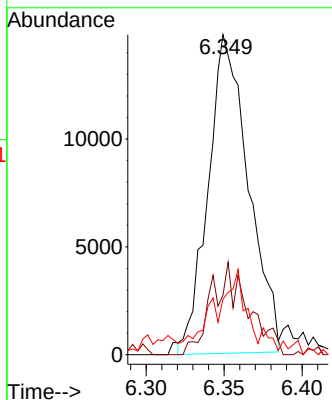
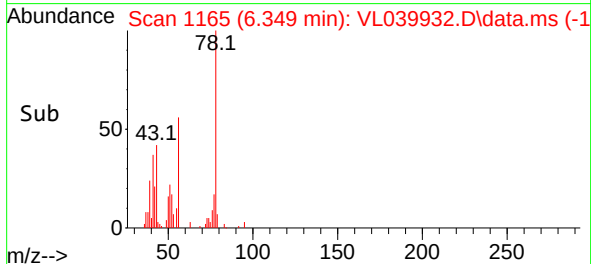
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 78 Resp: 26624
Ion Ratio Lower Upper
78 100
77 19.4 18.2 27.2
50 16.6 15.8 23.8

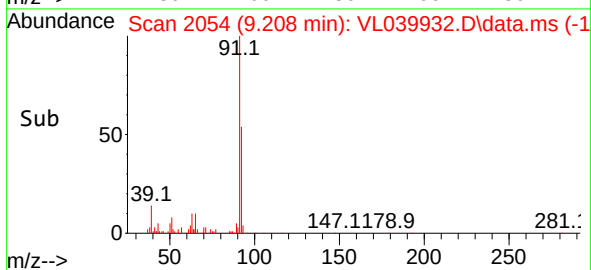
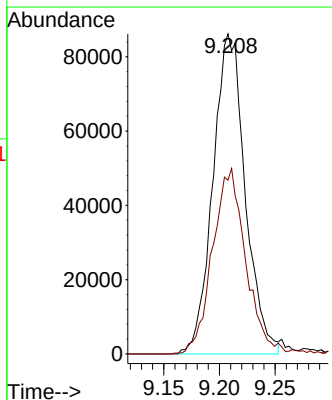
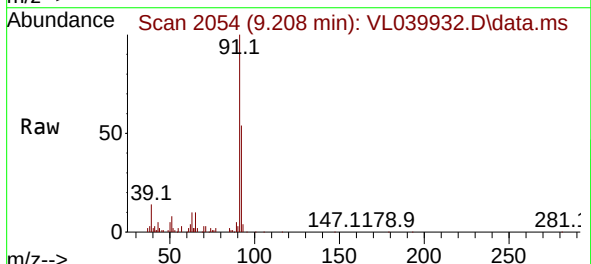
Manual Integrations
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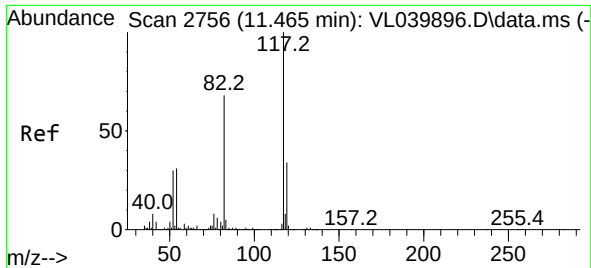
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#53
Toluene
Concen: 0.661 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.016 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

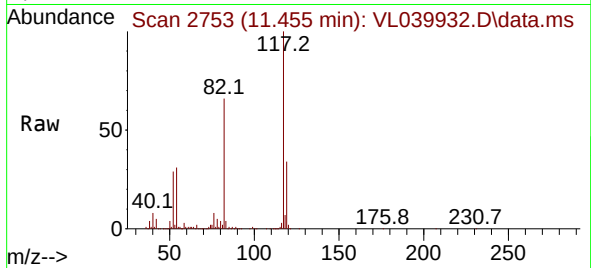
Tgt Ion: 91 Resp: 173556
Ion Ratio Lower Upper
91 100
92 60.2 49.8 74.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

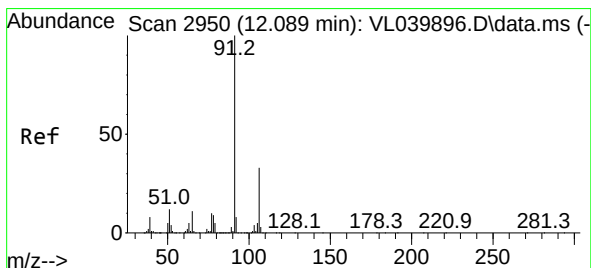
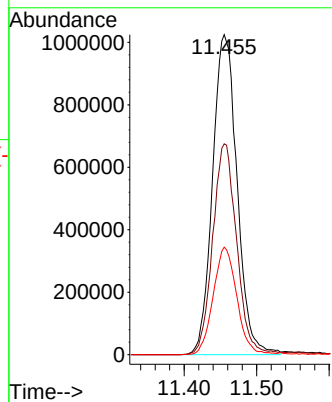
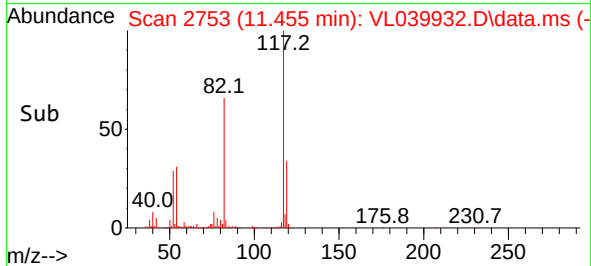
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:117 Resp: 2408718
Ion Ratio Lower Upper
117 100
82 64.4 52.3 78.5
119 32.7 25.7 38.5

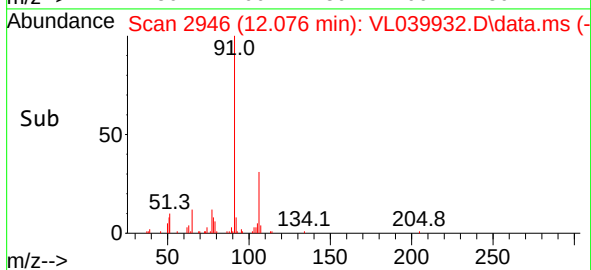
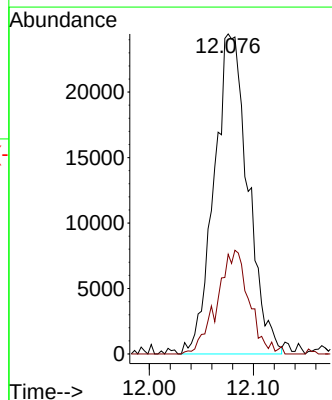
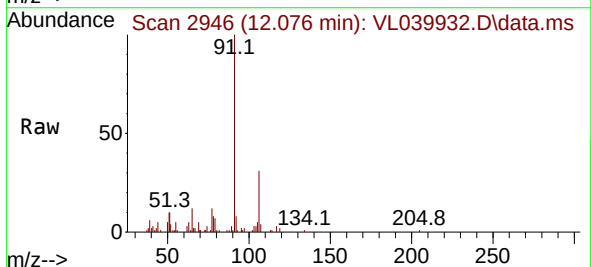
Manual Integrations
APPROVED

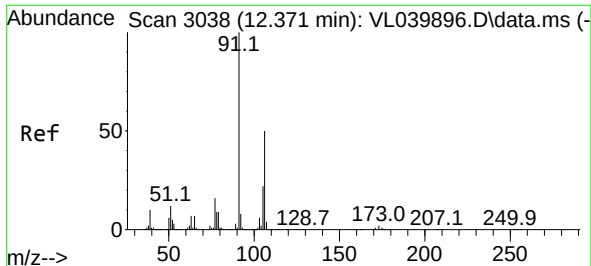
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#58
Ethyl Benzene
Concen: 0.169 ppbv m
RT: 12.076 min Scan# 2946
Delta R.T. 0.013 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

Tgt Ion: 91 Resp: 55202
Ion Ratio Lower Upper
91 100
106 31.1 26.1 39.1





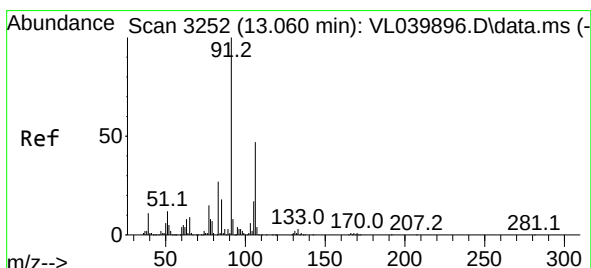
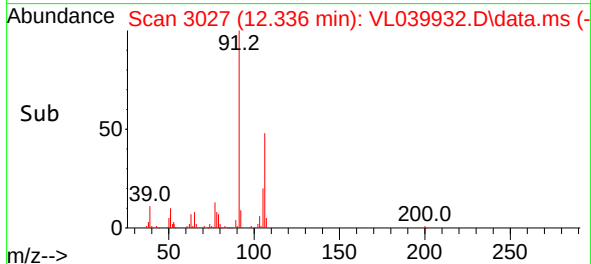
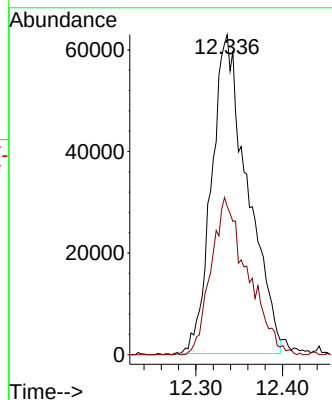
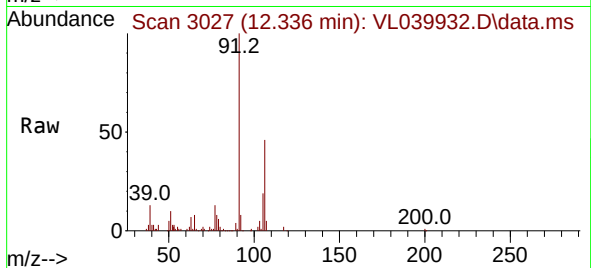
#59
m/p-Xylene
Concen: 0.664 ppbv
RT: 12.336 min Scan# 3038
Delta R.T. -0.010 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 18164
Ion Ratio Lower Upper
91 100
106 50.0 37.0 55.6

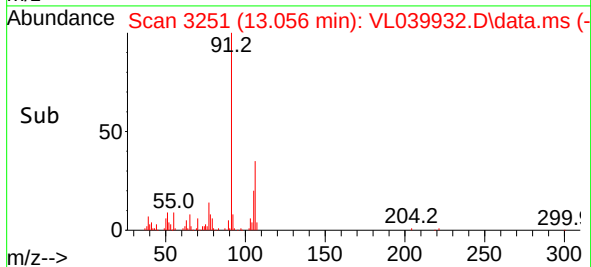
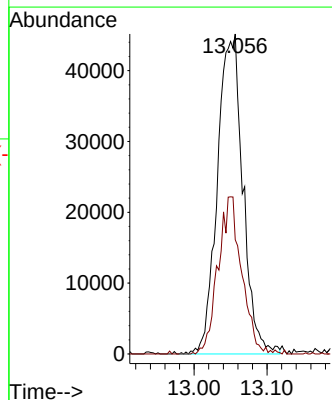
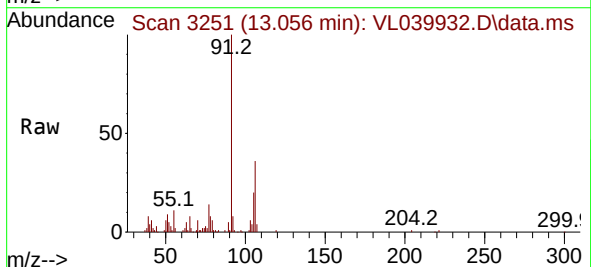
Manual Integrations
APPROVED

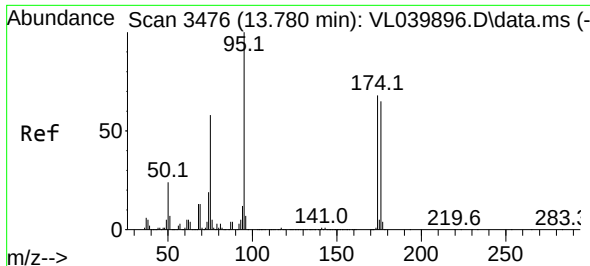
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#60
o-Xylene
Concen: 0.419 ppbv m
RT: 13.056 min Scan# 3251
Delta R.T. 0.019 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

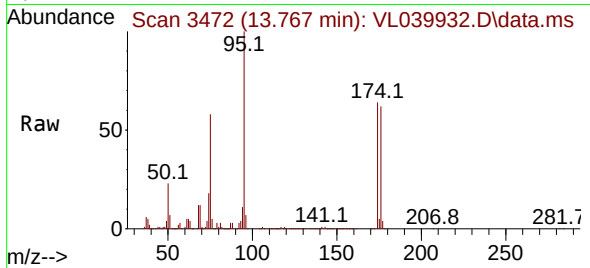
Tgt Ion: 91 Resp: 109367
Ion Ratio Lower Upper
91 100
106 0.0 23.2 69.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.384 ppbv
RT: 13.767 min Scan# 3476
Delta R.T. 0.013 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

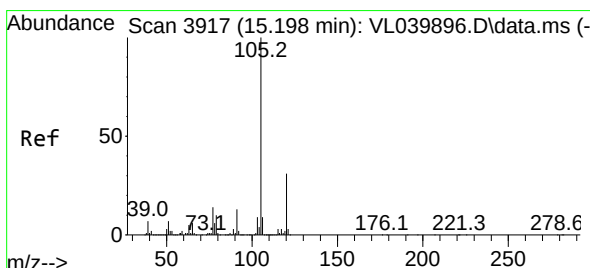
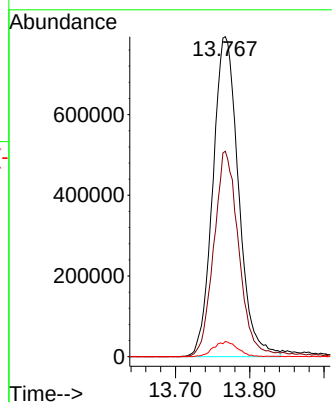
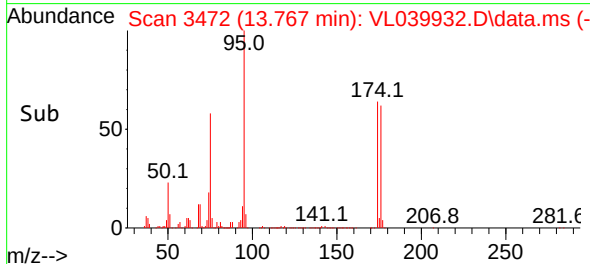
Instrument :
MSVOA_L
ClientSampleId :
SV2



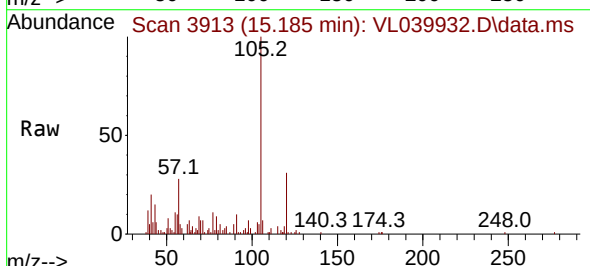
Tgt Ion: 95 Resp: 191042
Ion Ratio Lower Upper
95 100
174 63.8 53.7 80.5
175 4.6 4.0 6.0

Manual Integrations
APPROVED

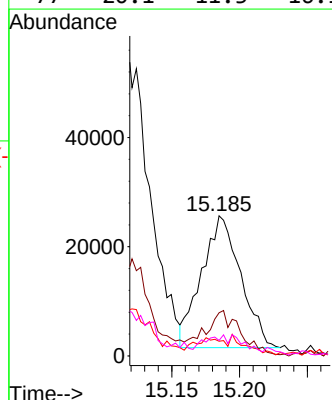
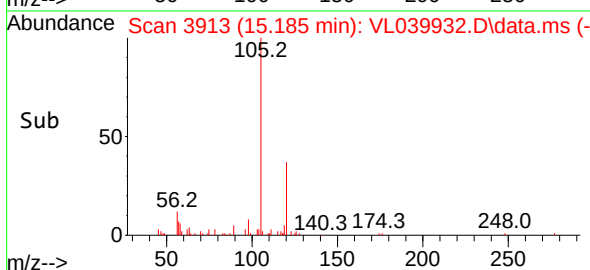
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022

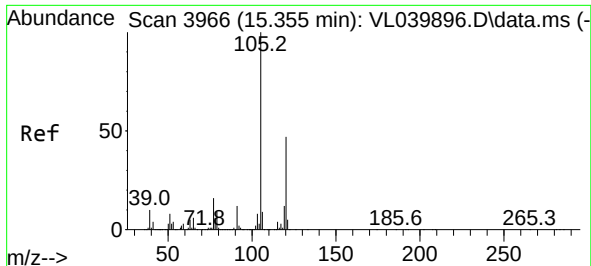


#72
4-Ethyltoluene
Concen: 0.165 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.010 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22



Tgt Ion:105 Resp: 48229
Ion Ratio Lower Upper
105 100
120 32.6 24.5 36.7
91 17.1 10.4 15.6#
77 20.1 11.3 16.9#





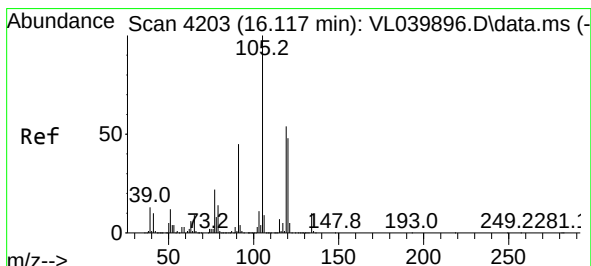
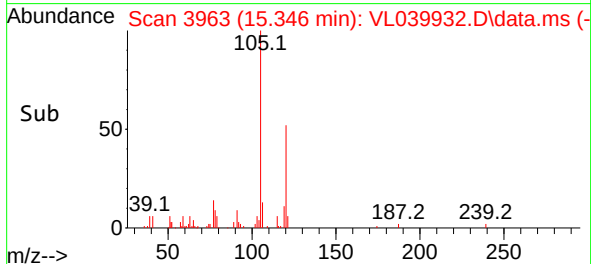
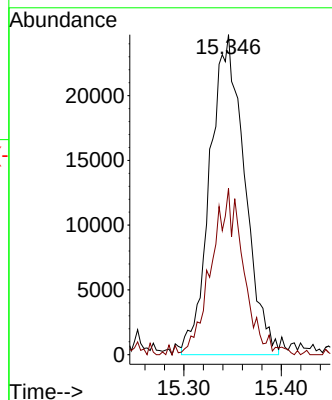
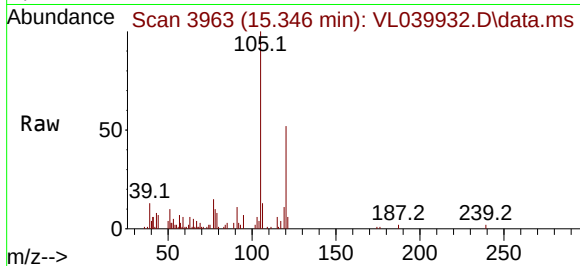
#73
1,3,5-Trimethylbenzene
Concen: 0.227 ppbv m
RT: 15.346 min Scan# 3966
Delta R.T. 0.013 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:105 Resp: 6085
Ion Ratio Lower Upper
105 100
120 52.0 37.9 56.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.920 ppbv
RT: 16.098 min Scan# 4197
Delta R.T. 0.006 min
Lab File: VL039932.D
Acq: 23 Nov 2022 1:22

Tgt Ion:105 Resp: 261441
Ion Ratio Lower Upper
105 100
120 37.5 38.7 58.1#
91 10.2 36.4 54.6#
77 12.5 17.4 26.0#

