

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122222\
 Data File : VL040069.D
 Acq On : 22 Dec 2022 15:48
 Operator : SY/MD
 Sample : N6181-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 06:29:16 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

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

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	890933	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2678419	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2327121	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1768979	9.951	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	15720	0.094	ppbv	88
11) Trichlorofluoromethane	3.546	101	25803m	0.142	ppbv	
13) Ethanol	3.230	45	64141m	12.216	ppbv	
15) Acetone	3.456	43	147323	1.069	ppbv #	89
19) Isopropyl Alcohol	3.578	45	90260	1.329	ppbv #	94
20) Methylene Chloride	3.915	84	303209	5.176	ppbv	95
26) Hexane	5.198	57	451251	4.498	ppbv #	34
29) Chloroform	5.256	83	382351	2.498	ppbv	99
38) Trichloroethene	7.272	130	11775m	0.096	ppbv	
52) Tetrachloroethene	10.606	164	1109413	13.641	ppbv	96
53) Toluene	9.214	91	87515	0.330	ppbv	99
58) Ethyl Benzene	12.073	91	27994m	0.085	ppbv	
59) m/p-Xylene	12.336	91	92913m	0.323	ppbv	
60) o-Xylene	13.047	91	60052m	0.218	ppbv	
73) 1,3,5-Trimethylbenzene	15.346	105	48282m	0.175	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	189981	0.624	ppbv #	64

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

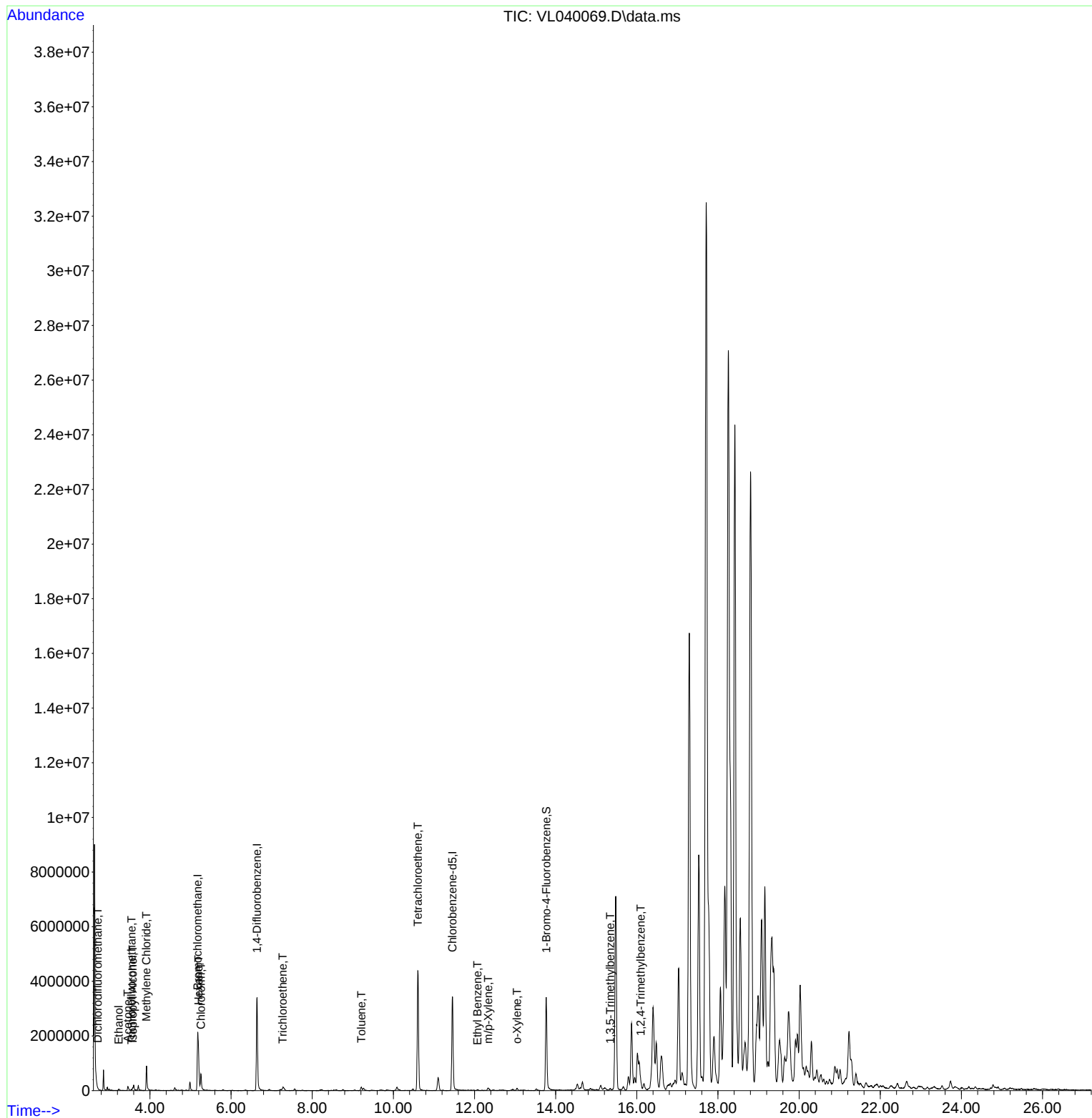
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122222\
Data File : VL040069.D
Acq On : 22 Dec 2022 15:48
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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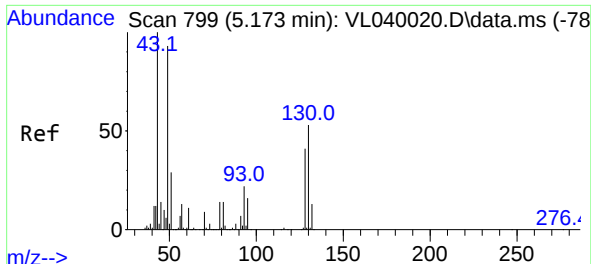
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Dec 23 06:29:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

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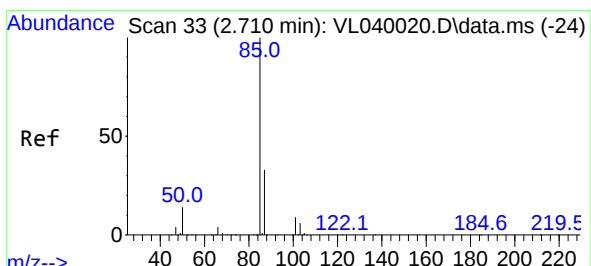
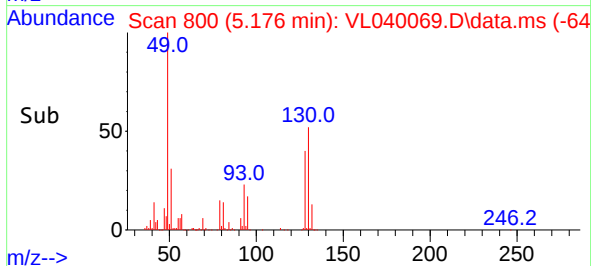
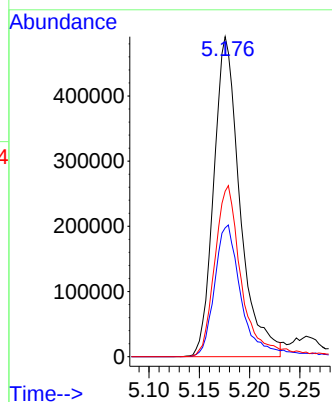
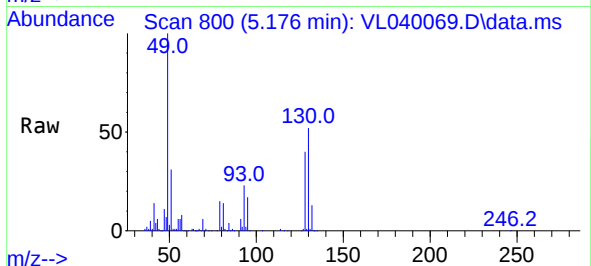
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 890933
Ion Ratio Lower Upper
49 100
128 43.1 22.4 67.3
130 55.9 28.9 86.8

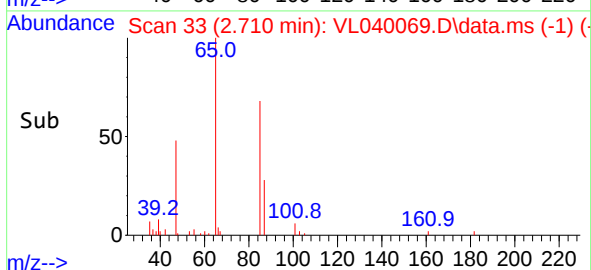
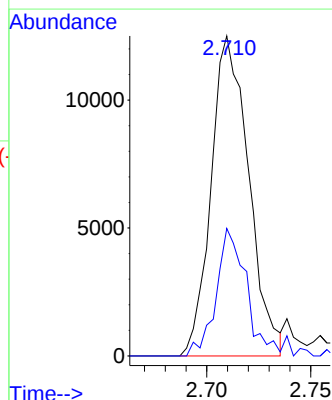
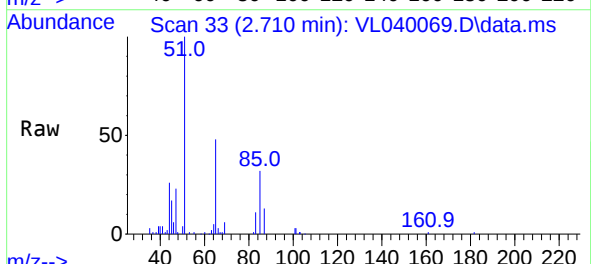
Manual Integrations
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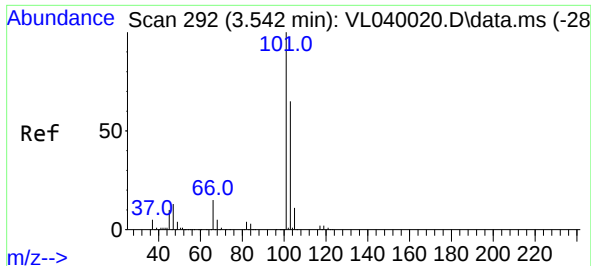
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022



#2
Dichlorodifluoromethane
Concen: 0.094 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.000 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

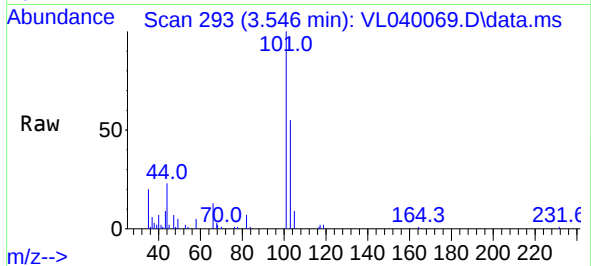
Tgt Ion: 85 Resp: 15720
Ion Ratio Lower Upper
85 100
87 39.8 26.6 40.0





#11
Trichlorofluoromethane
Concen: 0.142 ppbv m
RT: 3.546 min Scan# 292
Delta R.T. 0.003 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

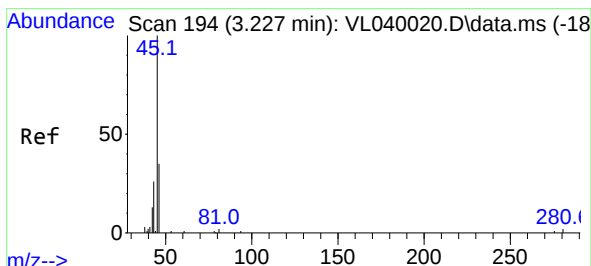
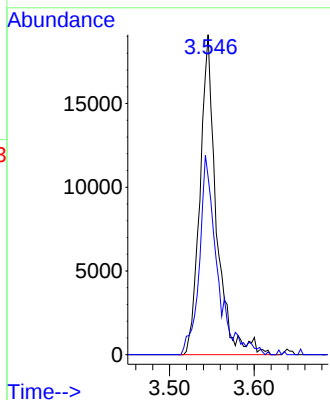
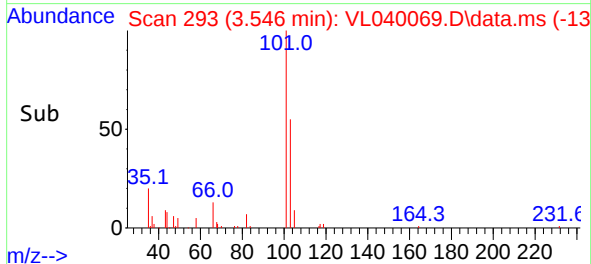
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:101 Resp: 2580
Ion Ratio Lower Upper
101 100
103 55.5 51.7 77.5

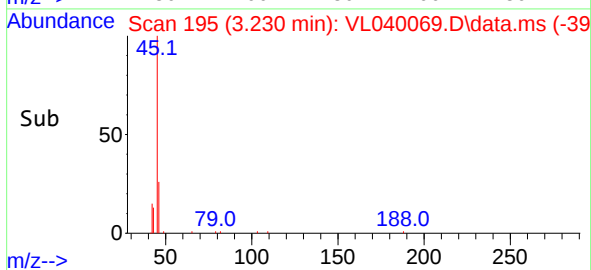
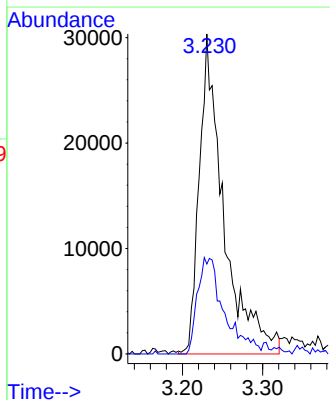
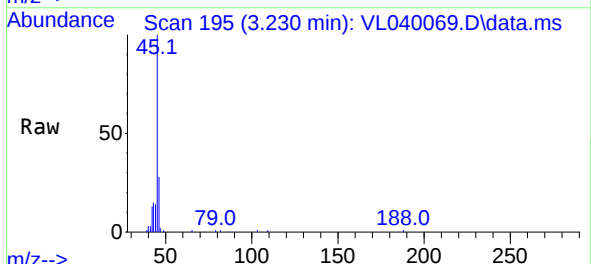
Manual Integrations
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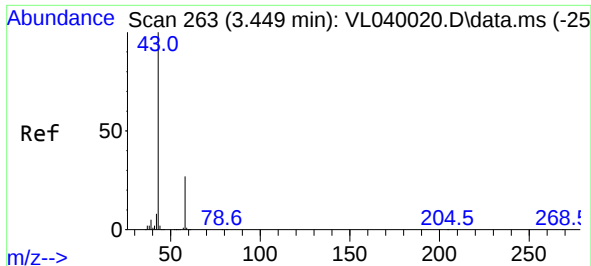
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022



#13
Ethanol
Concen: 12.216 ppbv m
RT: 3.230 min Scan# 195
Delta R.T. 0.003 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

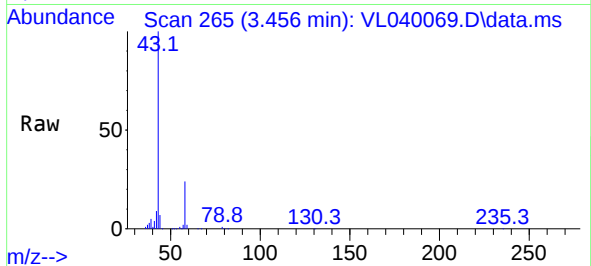
Tgt Ion: 45 Resp: 64141
Ion Ratio Lower Upper
45 100
46 34.6 13.7 54.7





#15
Acetone
Concen: 1.069 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

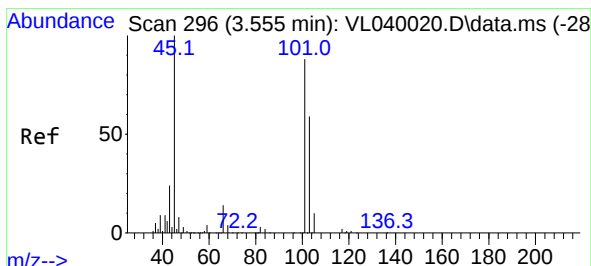
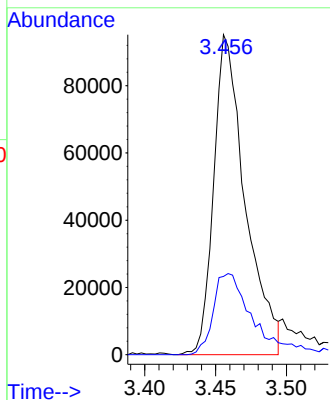
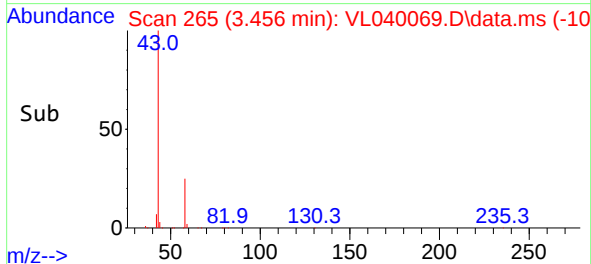
Instrument :
MSVOA_L
ClientSampleId :
SV2



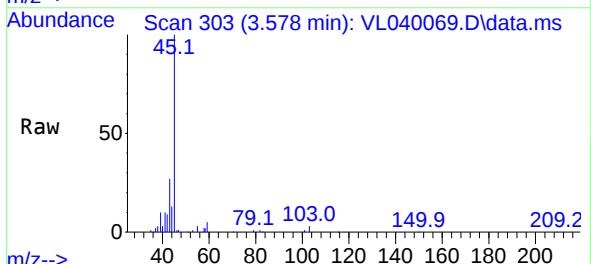
Tgt Ion: 43 Resp: 14732
Ion Ratio Lower Upper
43 100
58 32.9 21.8 32.8

Manual Integrations
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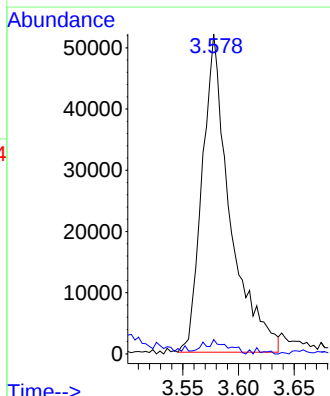
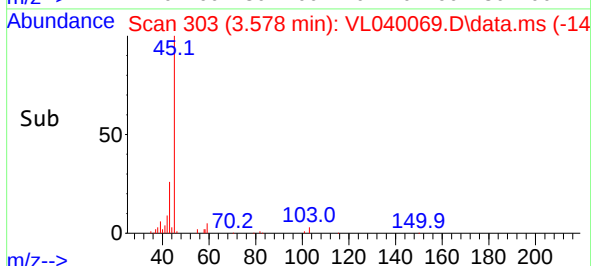
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

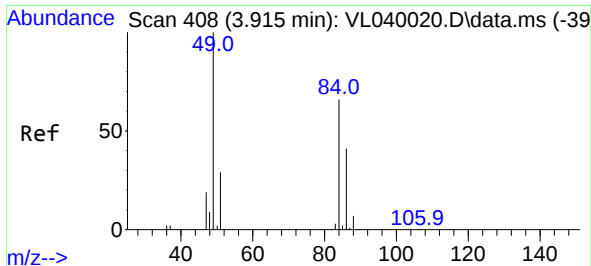


#19
Isopropyl Alcohol
Concen: 1.329 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.022 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48



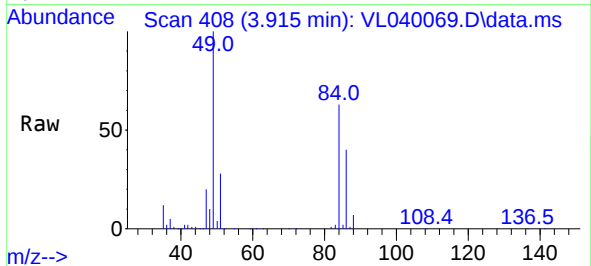
Tgt Ion: 45 Resp: 90260
Ion Ratio Lower Upper
45 100
58 4.2 1.7 2.5





#20
Methylene Chloride
Concen: 5.176 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.000 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

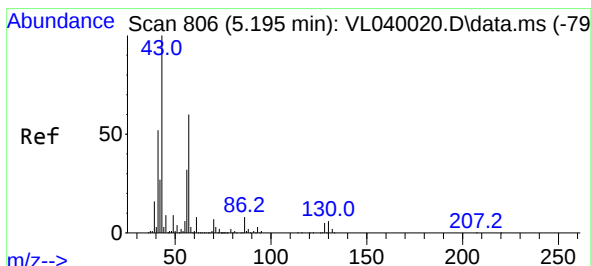
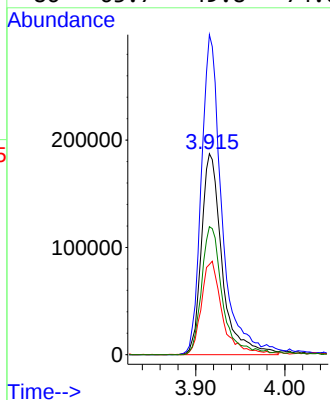
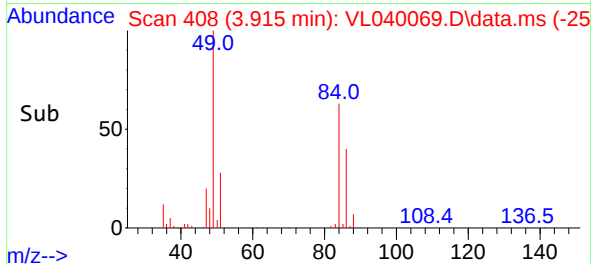
Instrument :
MSVOA_L
ClientSampleId :
SV2



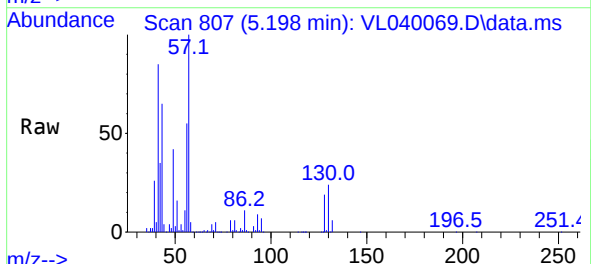
Tgt Ion: 84 Resp: 303209
Ion Ratio Lower Upper
84 100
49 159.2 120.5 180.7
51 44.7 35.2 52.8
86 63.7 49.8 74.6

Manual Integrations
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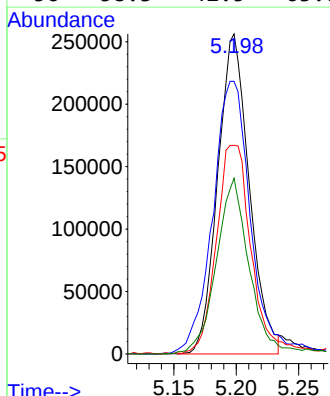
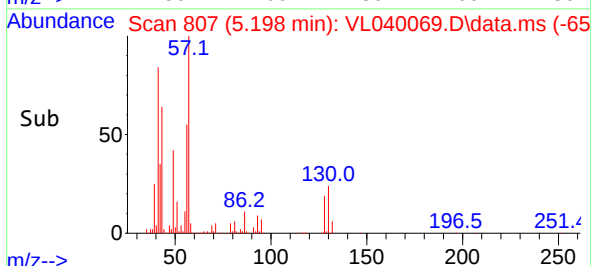
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

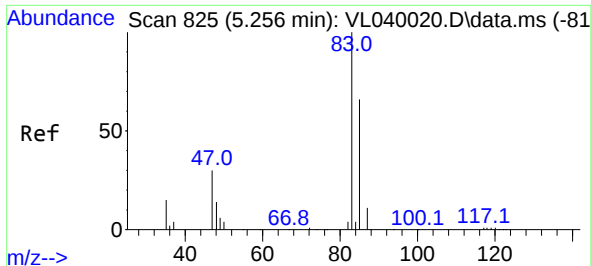


#26
Hexane
Concen: 4.498 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48



Tgt Ion: 57 Resp: 451251
Ion Ratio Lower Upper
57 100
41 103.8 72.1 108.1
43 73.7 192.1 288.1#
56 58.3 42.5 63.7





#29

Chloroform

Concen: 2.498 ppbv

RT: 5.256 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL040069.D

Acq: 22 Dec 2022 15:48

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 83 Resp: 38235

Ion Ratio Lower Upper

83 100

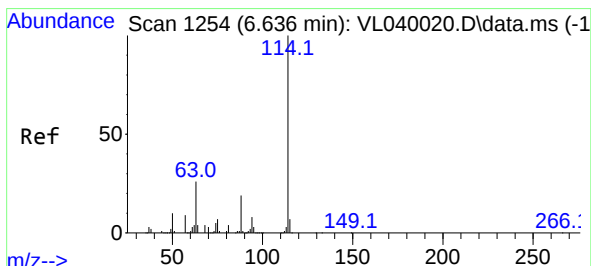
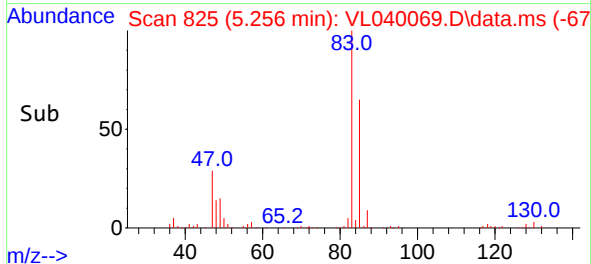
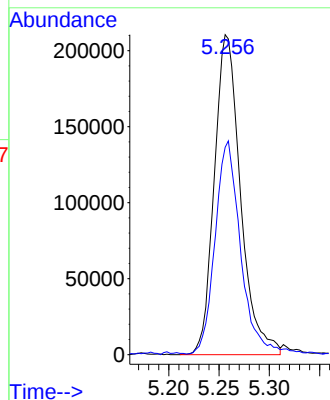
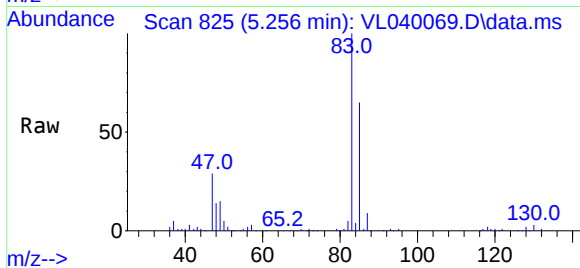
85 64.4 52.4 78.6

Manual Integrations

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Supervised By :Mahesh Dadoda 12/27/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. 0.003 min

Lab File: VL040069.D

Acq: 22 Dec 2022 15:48

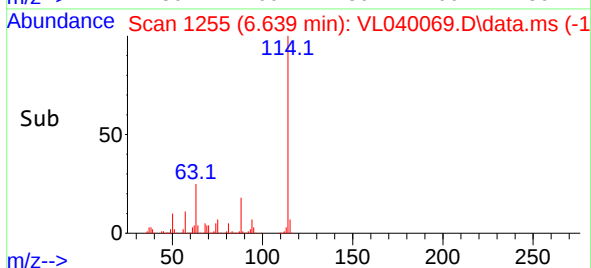
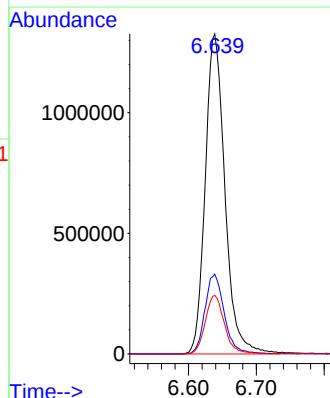
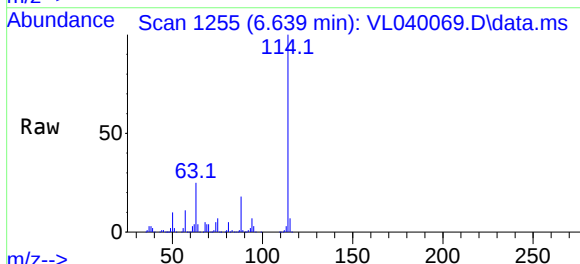
Tgt Ion:114 Resp: 2678419

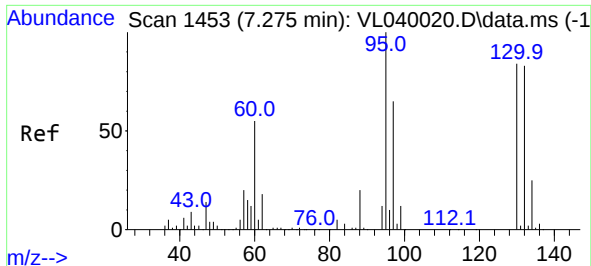
Ion Ratio Lower Upper

114 100

63 24.6 20.2 30.2

88 18.0 14.6 21.8





#38

Trichloroethene

Concen: 0.096 ppbv m

RT: 7.272 min Scan# 1453

Delta R.T. -0.003 min

Lab File: VL040069.D

Acq: 22 Dec 2022 15:48

Instrument :

MSVOA_L

ClientSampleId :

SV2

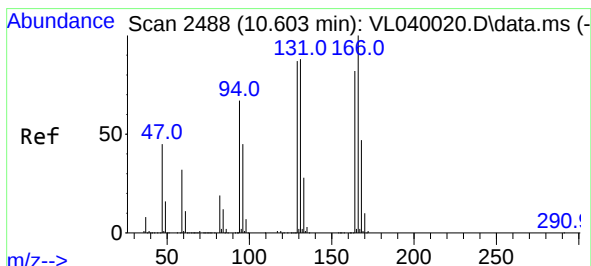
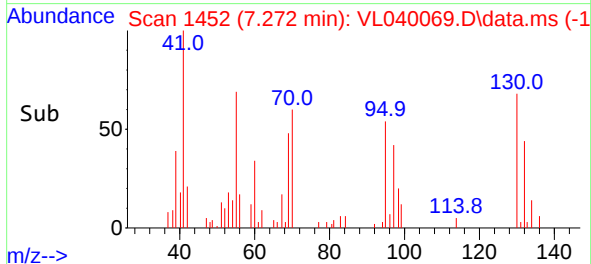
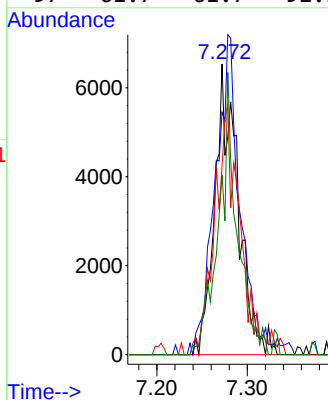
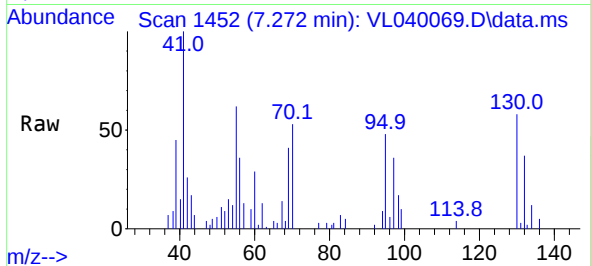
Tgt Ion:130 Resp: 11775

Ion	Ratio	Lower	Upper
130	100		
95	83.4	94.8	142.2
132	64.8	78.2	117.4
97	61.7	61.7	92.5

Manual Integrations

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Supervised By :Mahesh Dadoda 12/27/2022



#52

Tetrachloroethene

Concen: 13.641 ppbv

RT: 10.606 min Scan# 2489

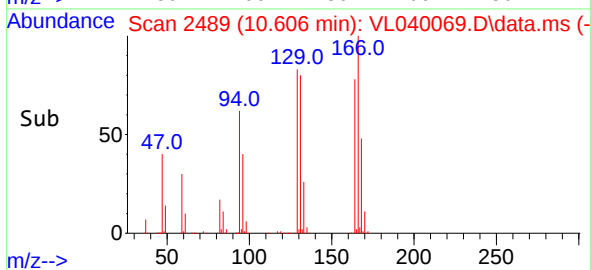
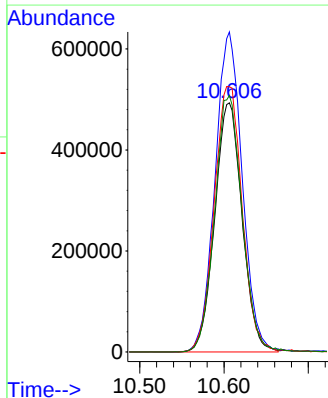
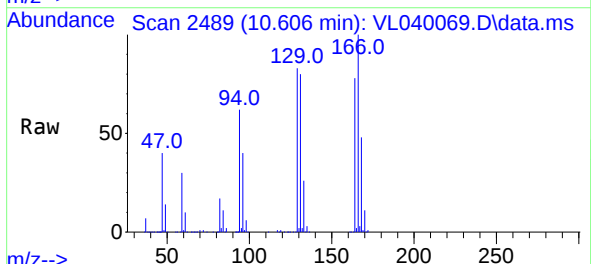
Delta R.T. 0.003 min

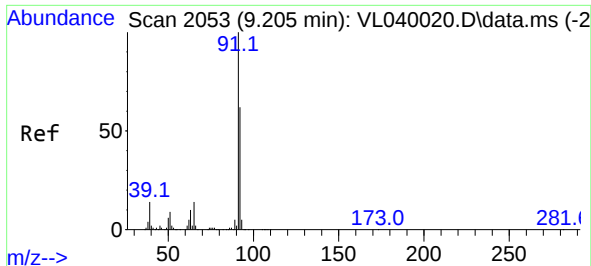
Lab File: VL040069.D

Acq: 22 Dec 2022 15:48

Tgt Ion:164 Resp: 1109413

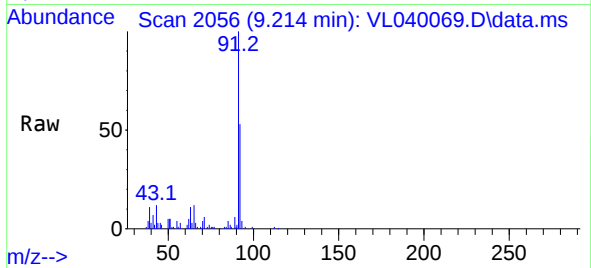
Ion	Ratio	Lower	Upper
164	100		
166	128.4	97.4	146.0
129	106.4	84.3	126.5
131	102.9	85.8	128.8





#53
Toluene
Concen: 0.330 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. 0.010 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

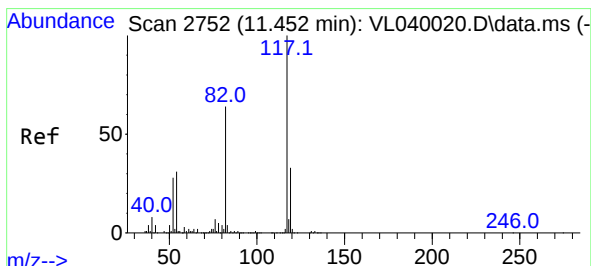
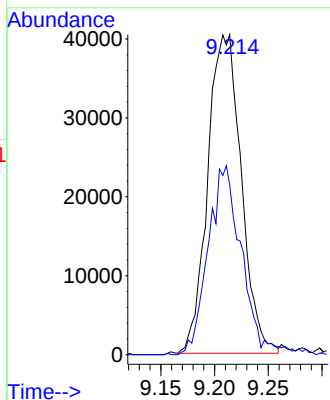
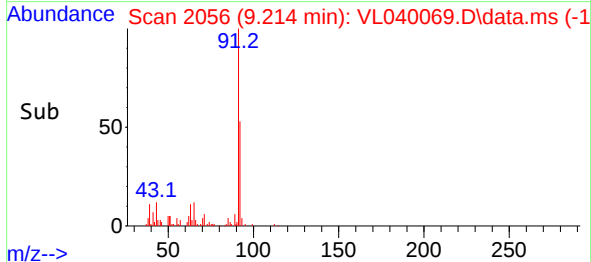
Instrument :
MSVOA_L
ClientSampleId :
SV2



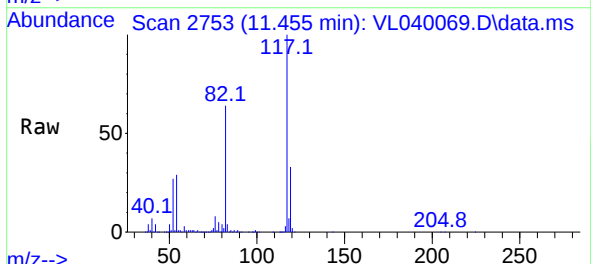
Tgt Ion: 91 Resp: 8751
Ion Ratio Lower Upper
91 100
92 60.0 48.7 73.1

Manual Integrations
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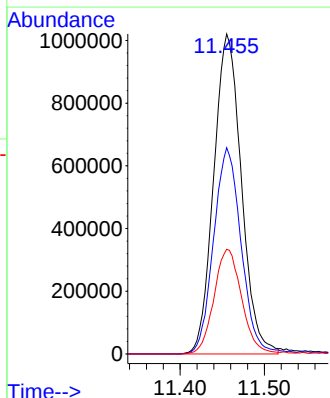
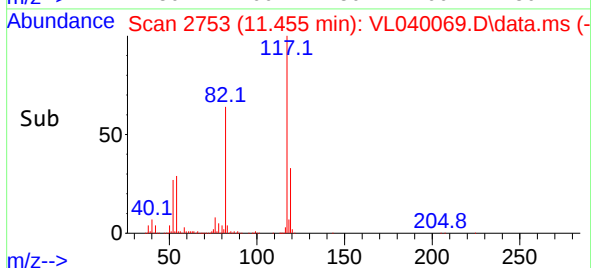
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

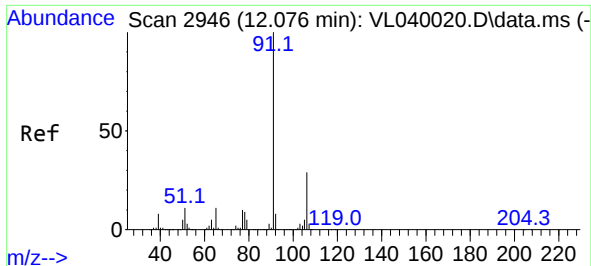


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.003 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48



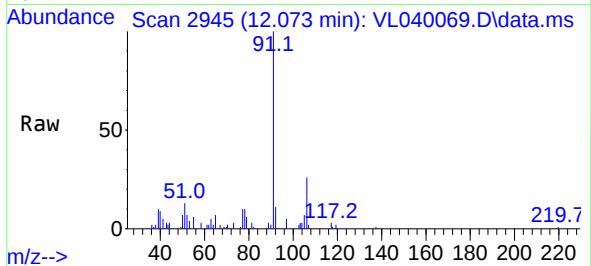
Tgt Ion:117 Resp: 2327121
Ion Ratio Lower Upper
117 100
82 65.4 51.2 76.8
119 33.2 23.2 34.8





#58
Ethyl Benzene
Concen: 0.085 ppbv m
RT: 12.073 min Scan# 2946
Delta R.T. -0.003 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

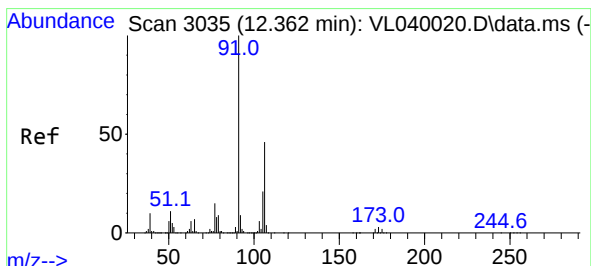
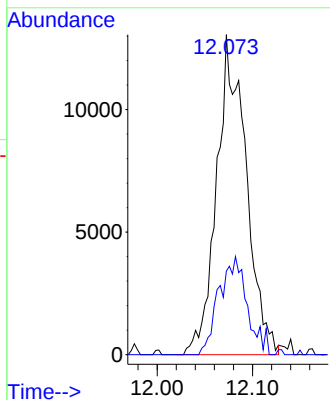
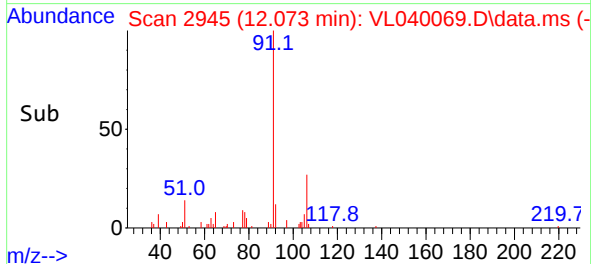
Instrument :
MSVOA_L
ClientSampleId :
SV2



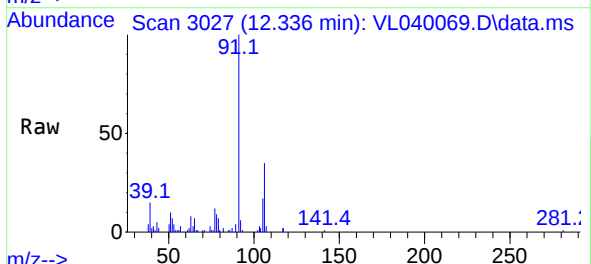
Tgt Ion: 91 Resp: 27994
Ion Ratio Lower Upper
91 100
106 26.1 23.5 35.3

Manual Integrations
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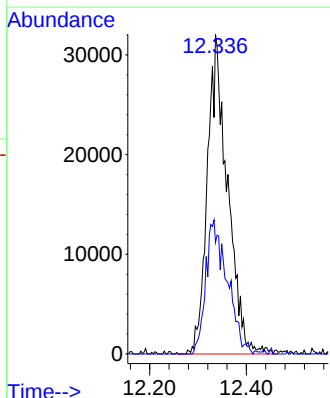
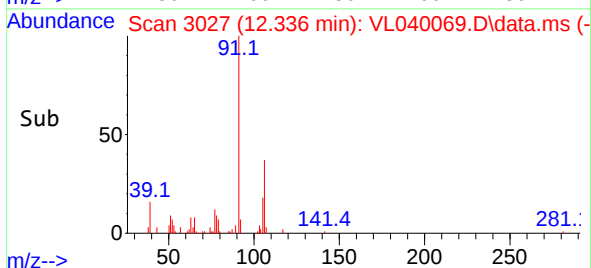
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

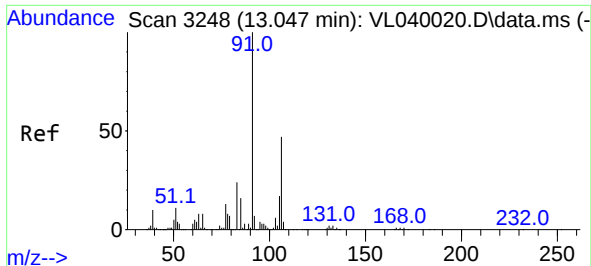


#59
m/p-Xylene
Concen: 0.323 ppbv m
RT: 12.336 min Scan# 3027
Delta R.T. -0.026 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48



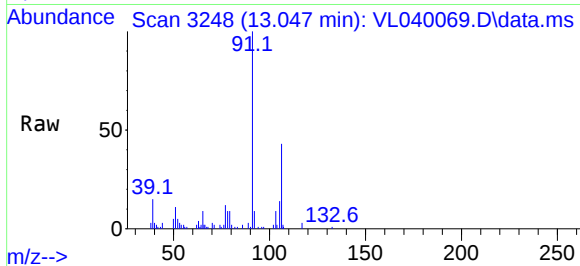
Tgt Ion: 91 Resp: 92913
Ion Ratio Lower Upper
91 100
106 45.3 35.5 53.3





#60
o-Xylene
Concen: 0.218 ppbv m
RT: 13.047 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

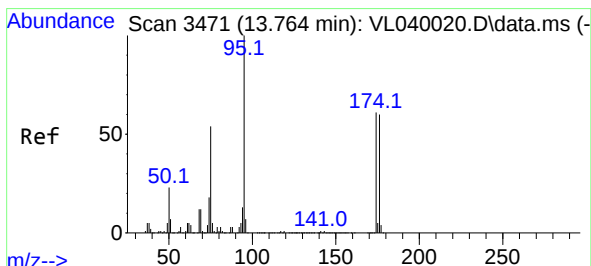
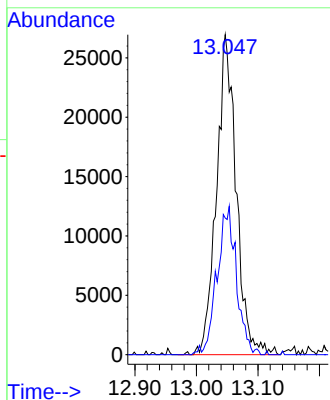
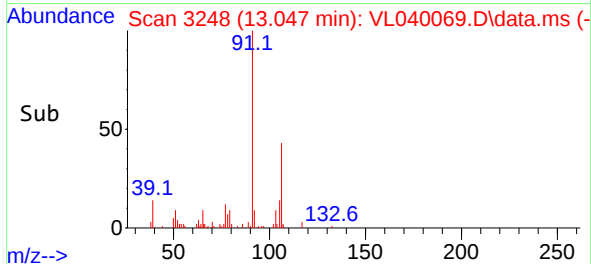
Instrument :
MSVOA_L
ClientSampleId :
SV2



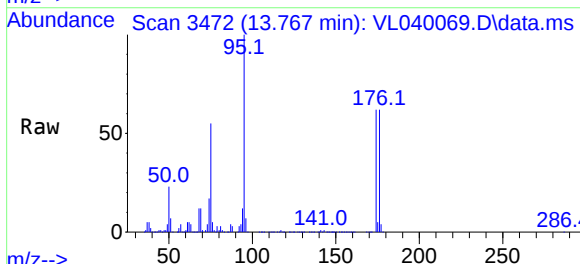
Tgt Ion: 91 Resp: 60052
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.0

Manual Integrations
APPROVED

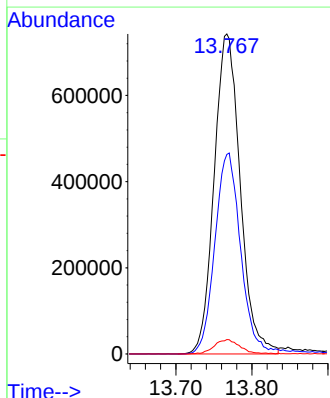
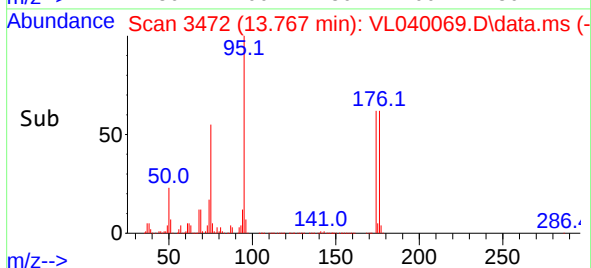
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

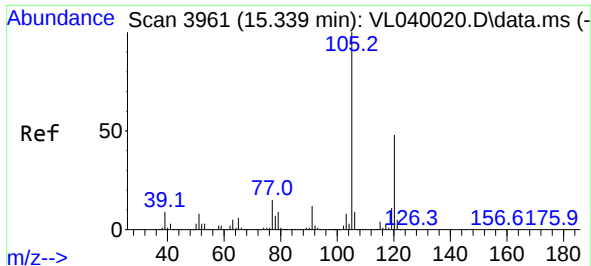


#68
1-Bromo-4-Fluorobenzene
Concen: 9.951 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.003 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48



Tgt Ion: 95 Resp: 1768979
Ion Ratio Lower Upper
95 100
174 63.7 48.6 73.0
175 4.5 3.4 5.2





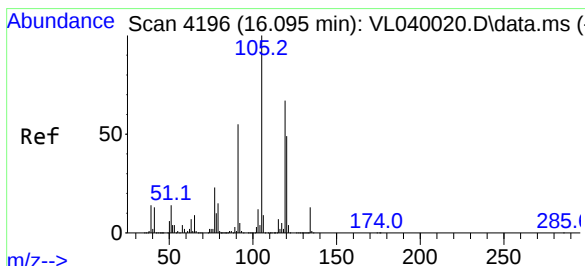
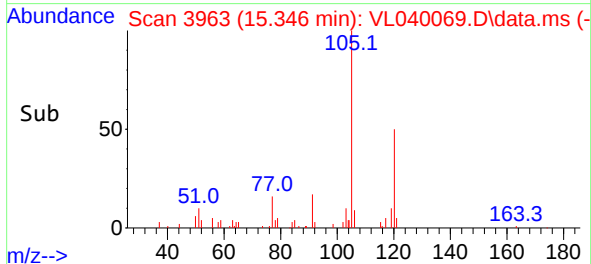
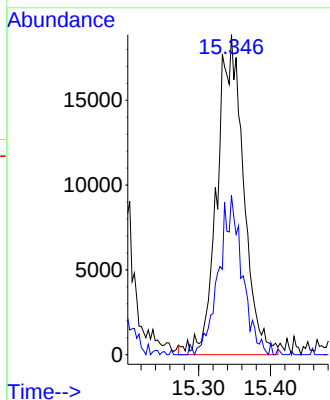
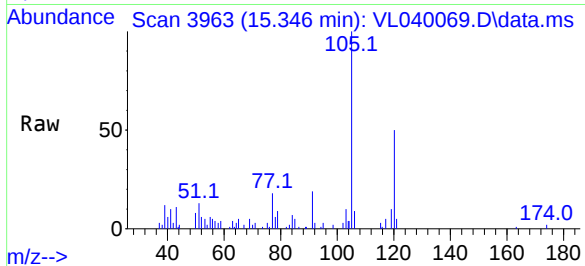
#73
1,3,5-Trimethylbenzene
Concen: 0.175 ppbv m
RT: 15.346 min Scan# 3961
Delta R.T. 0.006 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:105 Resp: 4828
Ion Ratio Lower Upper
105 100
120 49.8 38.4 57.6

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt
12/23/2022
Supervised By :Mahesh
Dadoda
12/27/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.624 ppbv
RT: 16.098 min Scan# 4197
Delta R.T. 0.003 min
Lab File: VL040069.D
Acq: 22 Dec 2022 15:48

Tgt Ion:105 Resp: 189981
Ion Ratio Lower Upper
105 100
120 38.9 39.3 58.9#
91 10.8 44.2 66.4#
77 14.2 18.8 28.2#

