

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
 Data File : VL039930.D
 Acq On : 23 Nov 2022 00:06
 Operator : SY/AP
 Sample : N5767-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Nov 23 04:53:25 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 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	5.173	49	939882	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	2610930	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.459	117	2355921	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1910012	10.614	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 106.100%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	27412	0.204	ppbv	96
9) Propene	2.678	41	22899	0.375	ppbv	92
10) Heptane	7.565	43	42327	0.287	ppbv	97
13) Ethanol	3.237	45	16410	3.518	ppbv	86
15) Acetone	3.459	43	207500	1.664	ppbv	96
20) Methylene Chloride	3.915	84	47754	0.791	ppbv	92
26) Hexane	5.198	57	383549	3.836	ppbv #	34
29) Chloroform	5.256	83	21509	0.162	ppbv	98
34) 2-Butanone	4.784	43	39499m	0.316	ppbv	
44) 2,2,4-Trimethylpentane	7.311	57	51470	0.139	ppbv #	1
53) Toluene	9.208	91	274762	1.087	ppbv	99
58) Ethyl Benzene	12.073	91	84051m	0.263	ppbv	
59) m/p-Xylene	12.336	91	288691	1.079	ppbv	98
60) o-Xylene	13.050	91	163451	0.641	ppbv	97
72) 4-Ethyltoluene	15.185	105	70158	0.245	ppbv #	90
73) 1,3,5-Trimethylbenzene	15.346	105	103736m	0.395	ppbv	
74) 1,2,4-Trimethylbenzene	16.095	105	400651m	1.442	ppbv	

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

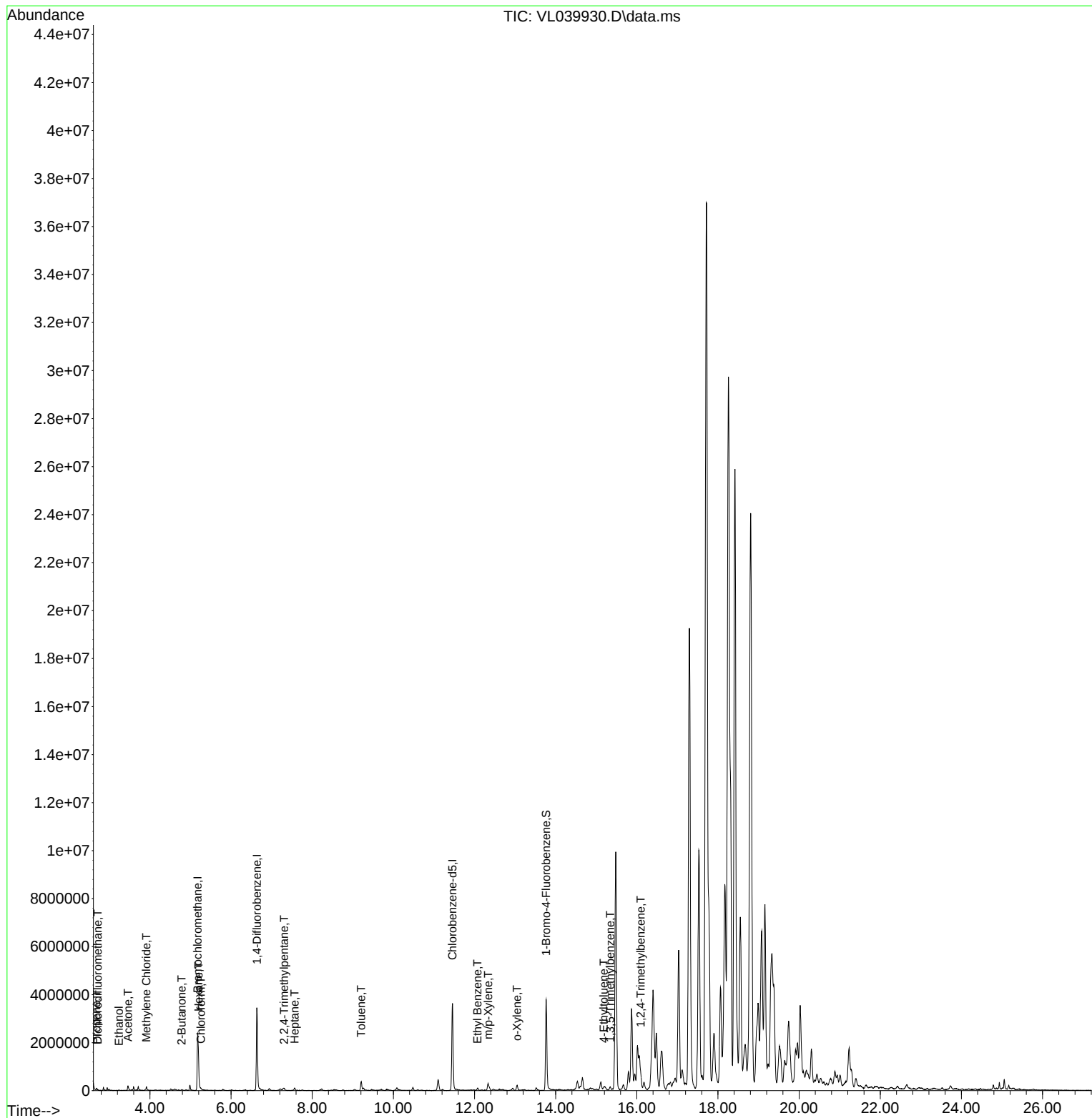
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
Data File : VL039930.D
Acq On : 23 Nov 2022 00:06
Operator : SY/AP
Sample : N5767-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Nov 23 04:53:25 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

Manual Integrations
APPROVED

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





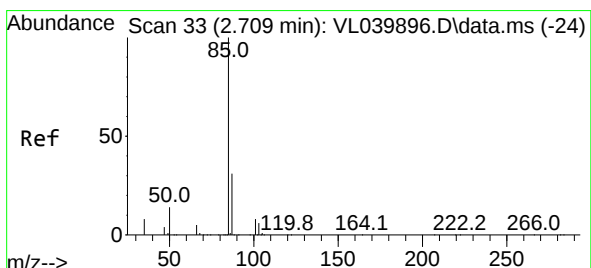
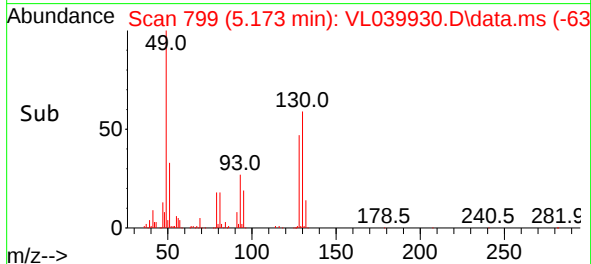
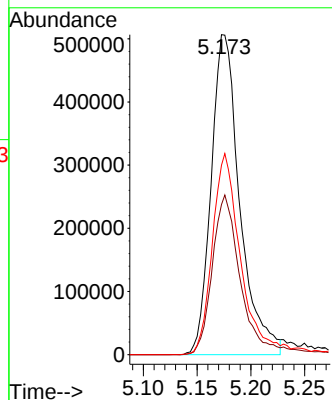
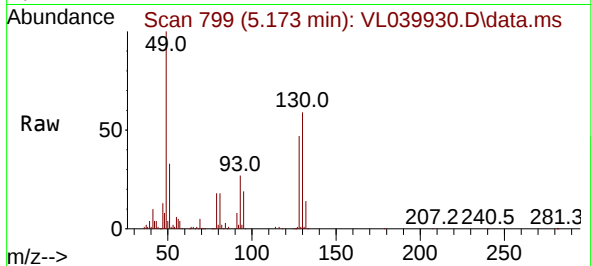
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 79
Delta R.T. 0.017 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 939882
Ion Ratio Lower Upper
49 100
128 51.1 22.1 66.3
130 64.7 27.7 83.1

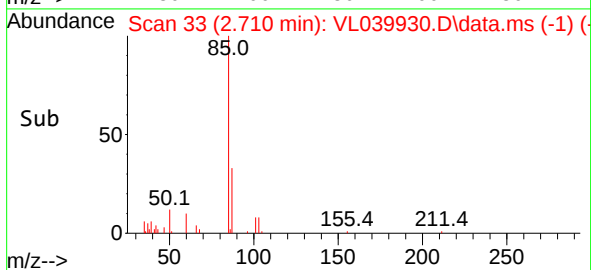
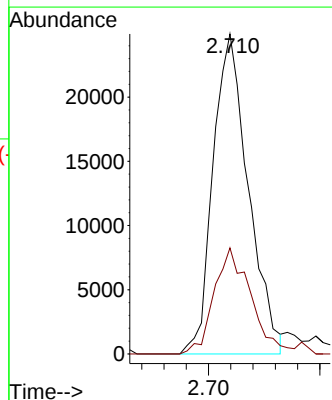
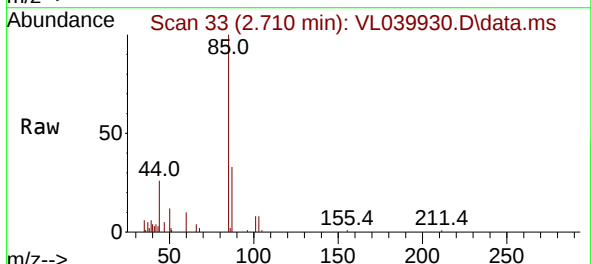
Manual Integrations
APPROVED

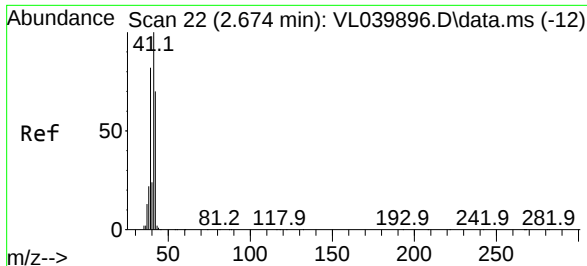
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#2
Dichlorodifluoromethane
Concen: 0.204 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.013 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

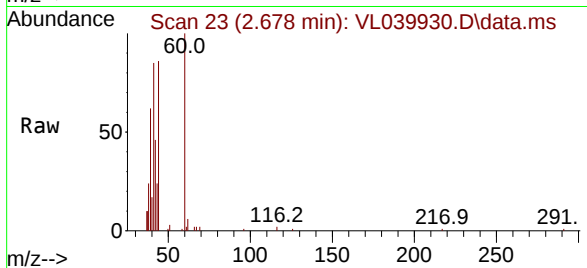
Tgt Ion: 85 Resp: 27412
Ion Ratio Lower Upper
85 100
87 33.2 25.0 37.4





#9
 Propene
 Concen: 0.375 ppbv
 RT: 2.678 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VL039930.D
 Acq: 23 Nov 2022 00:06

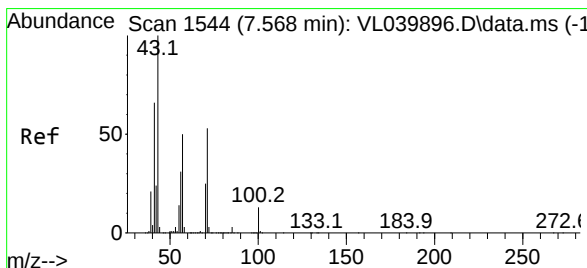
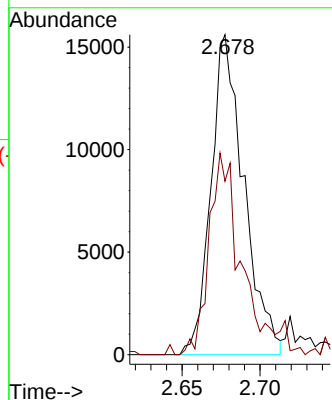
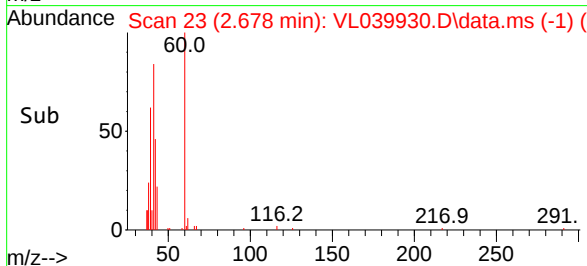
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



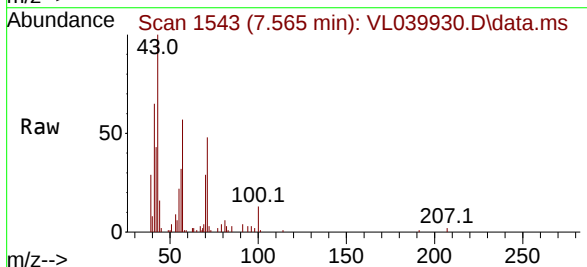
Tgt Ion: 41 Resp: 2289
 Ion Ratio Lower Upper
 41 100
 42 63.5 55.8 83.6

Manual Integrations
 APPROVED

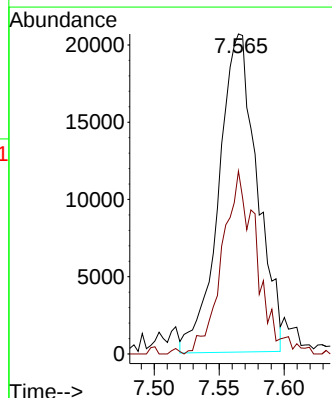
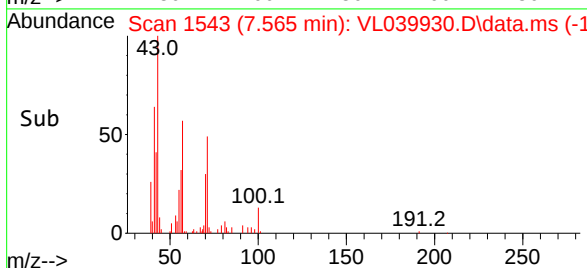
Reviewed By :Semsettin Yesilyurt 11/23/2022
 Supervised By :Mahesh Dadoda 11/24/2022

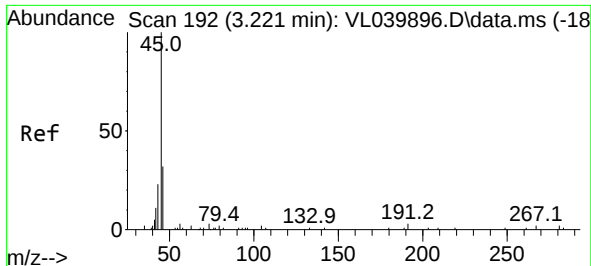


#10
 Heptane
 Concen: 0.287 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. 0.019 min
 Lab File: VL039930.D
 Acq: 23 Nov 2022 00:06



Tgt Ion: 43 Resp: 42327
 Ion Ratio Lower Upper
 43 100
 57 52.7 40.7 61.1





#13

Ethanol

Concen: 3.518 ppbv

RT: 3.237 min Scan# 192

Delta R.T. 0.029 min

Lab File: VL039930.D

Acq: 23 Nov 2022 00:06

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 45 Resp: 16410

Ion Ratio Lower Upper

45 100

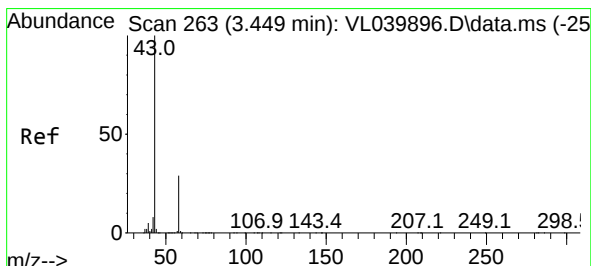
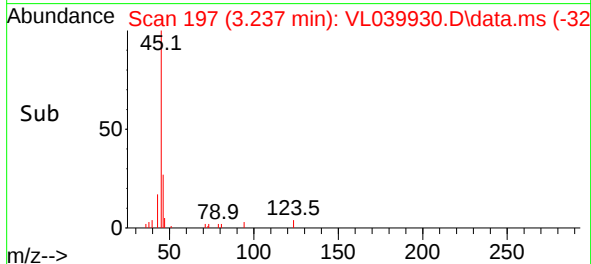
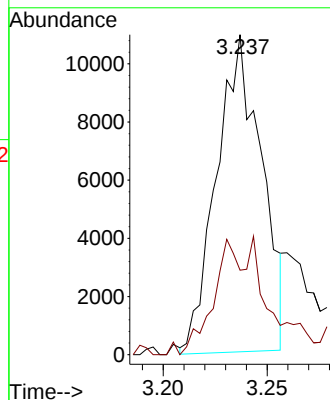
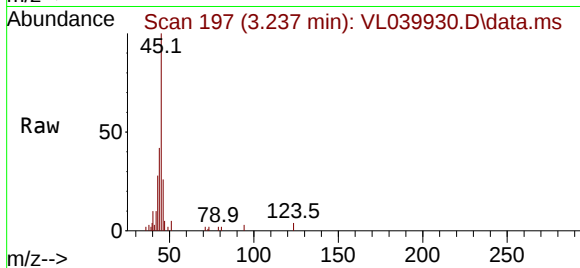
46 44.5 14.6 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/23/2022

Supervised By :Mahesh Dadoda 11/24/2022



#15

Acetone

Concen: 1.664 ppbv

RT: 3.459 min Scan# 266

Delta R.T. 0.026 min

Lab File: VL039930.D

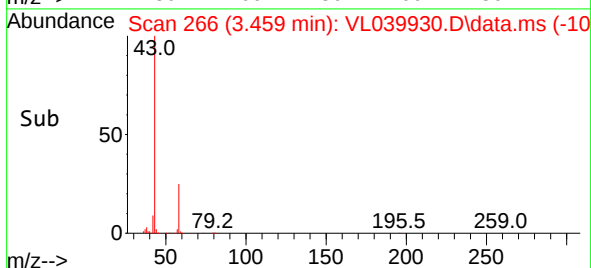
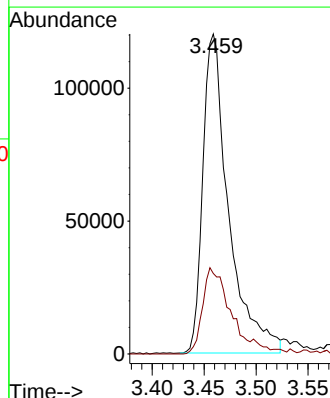
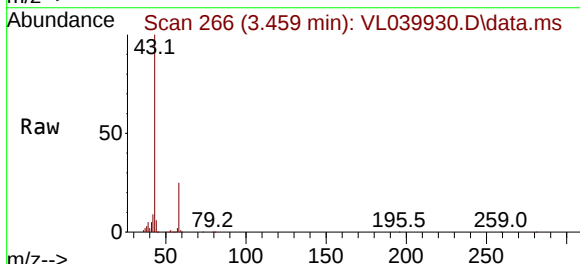
Acq: 23 Nov 2022 00:06

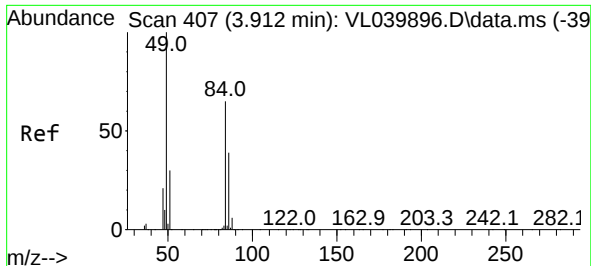
Tgt Ion: 43 Resp: 207500

Ion Ratio Lower Upper

43 100

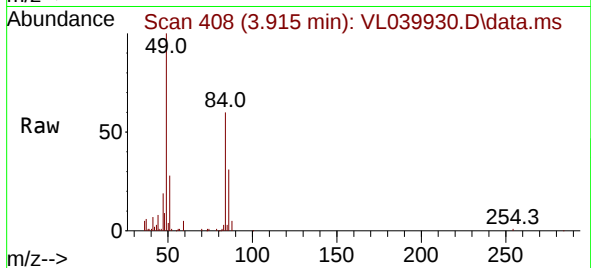
58 30.6 22.9 34.3





#20
Methylene Chloride
Concen: 0.791 ppbv
RT: 3.915 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

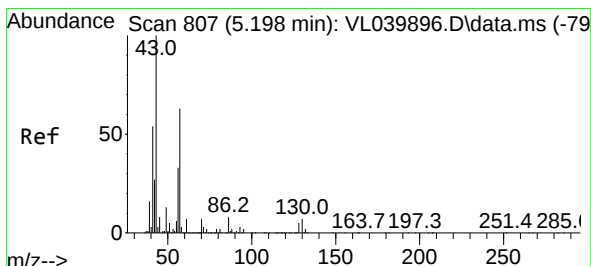
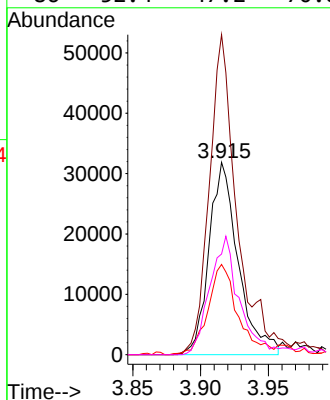
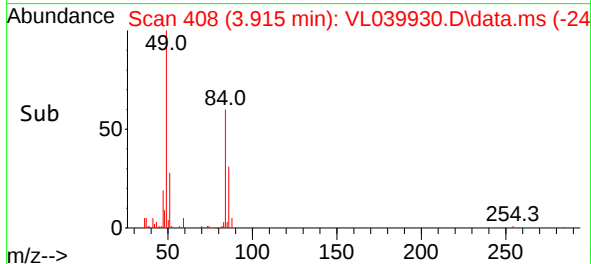
Instrument :
MSVOA_L
ClientSampleId :
SV1



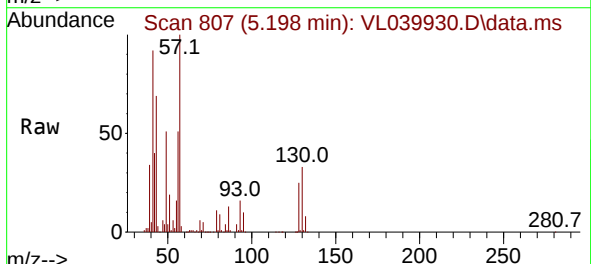
Tgt Ion: 84 Resp: 47754
Ion Ratio Lower Upper
84 100
49 165.8 122.2 183.4
51 46.3 36.3 54.5
86 52.4 47.2 70.8

Manual Integrations
APPROVED

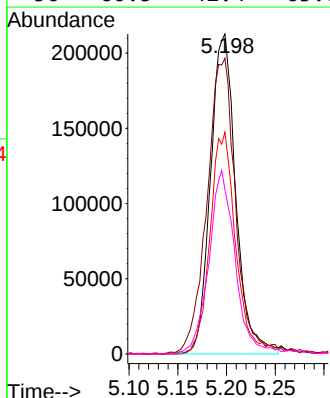
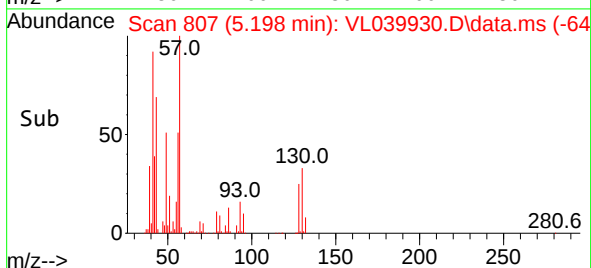
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022

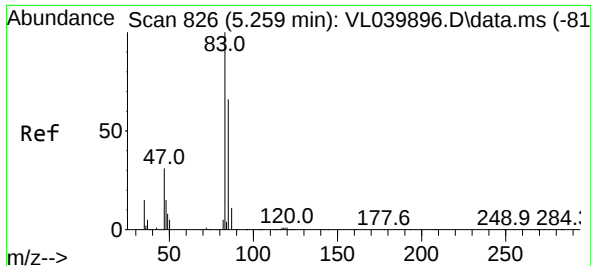


#26
Hexane
Concen: 3.836 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.016 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06



Tgt Ion: 57 Resp: 383549
Ion Ratio Lower Upper
57 100
41 106.8 72.3 108.5
43 72.3 188.7 283.1#
56 60.5 42.4 63.6





#29

Chloroform

Concen: 0.162 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.016 min

Lab File: VL039930.D

Acq: 23 Nov 2022 00:06

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 21509

Ion Ratio Lower Upper

83 100

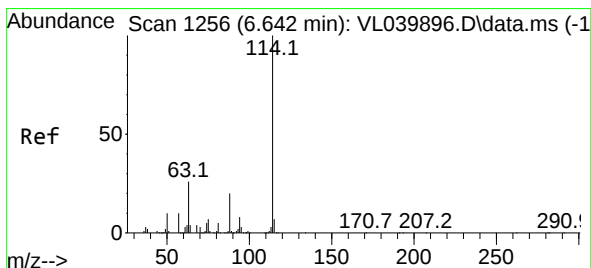
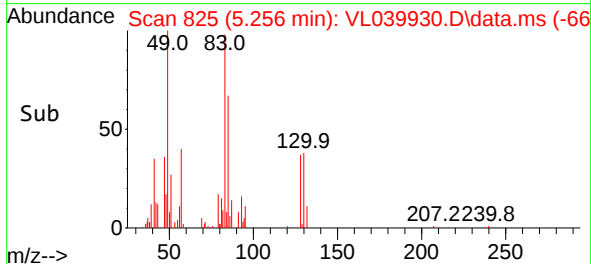
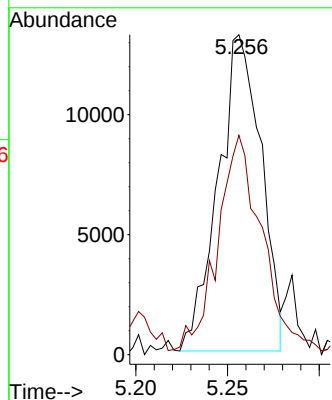
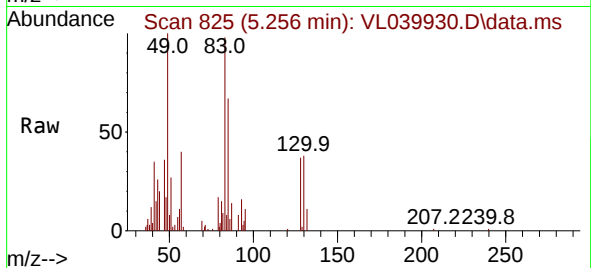
85 66.9 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/23/2022

Supervised By :Mahesh Dadoda 11/24/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. 0.019 min

Lab File: VL039930.D

Acq: 23 Nov 2022 00:06

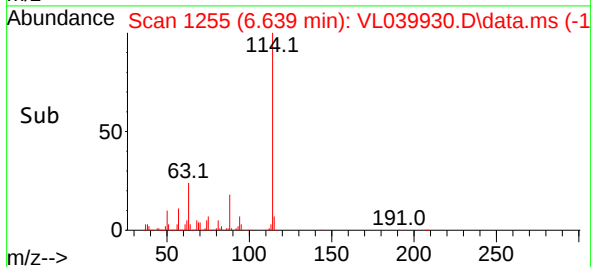
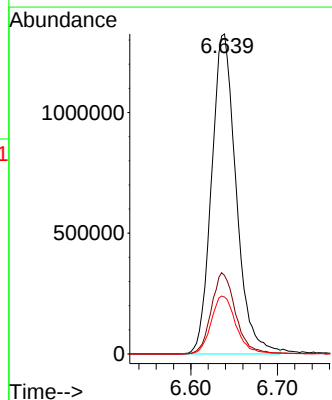
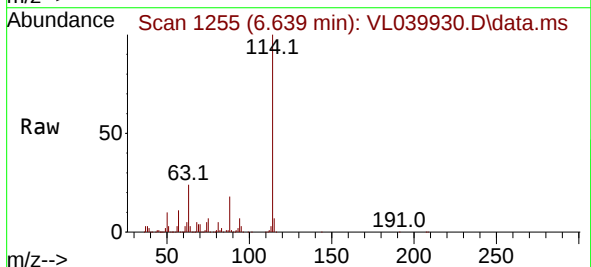
Tgt Ion:114 Resp: 2610930

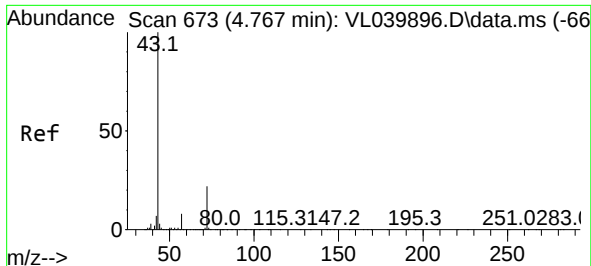
Ion Ratio Lower Upper

114 100

63 25.3 21.4 32.0

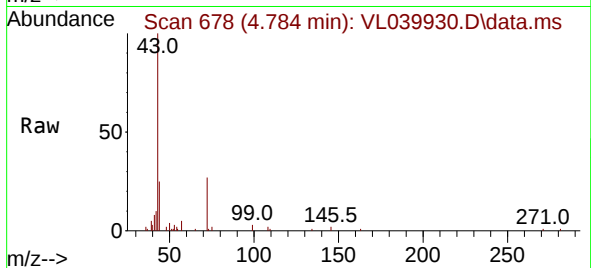
88 18.5 15.3 22.9





#34
2-Butanone
Concen: 0.316 ppbv m
RT: 4.784 min Scan# 61
Delta R.T. 0.032 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

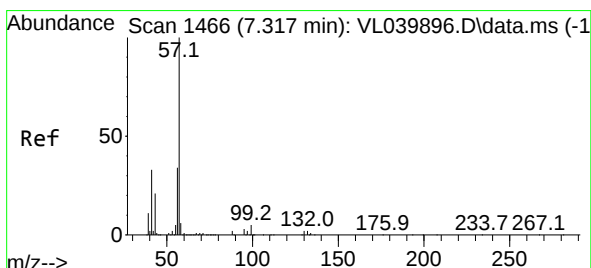
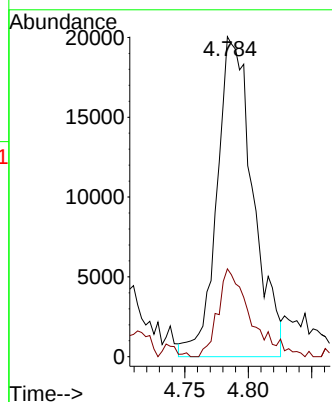
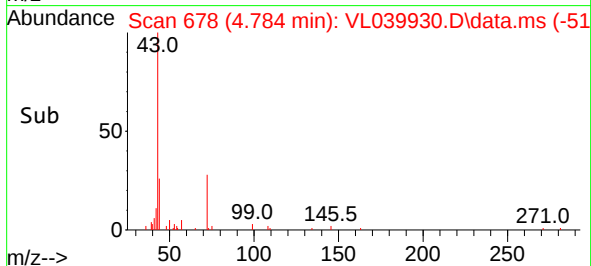
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 39499
Ion Ratio Lower Upper
43 100
72 24.9 17.4 26.2

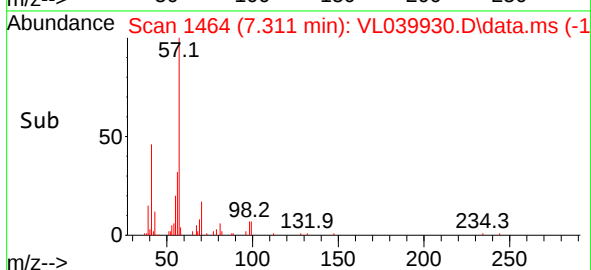
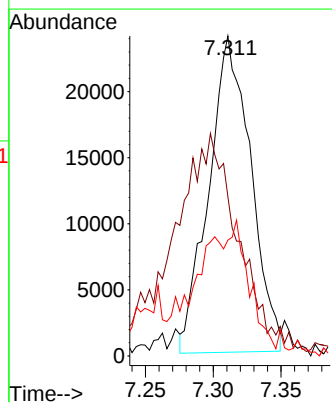
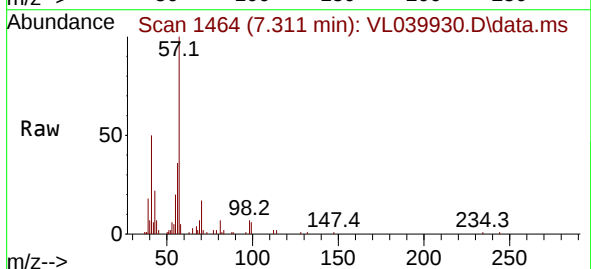
Manual Integrations
APPROVED

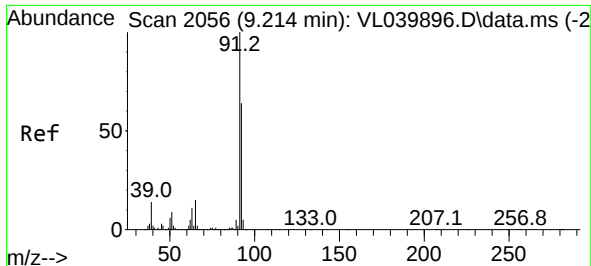
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#44
2,2,4-Trimethylpentane
Concen: 0.139 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.016 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

Tgt Ion: 57 Resp: 51470
Ion Ratio Lower Upper
57 100
41 125.1 26.2 39.2#
56 54.7 25.5 38.3#





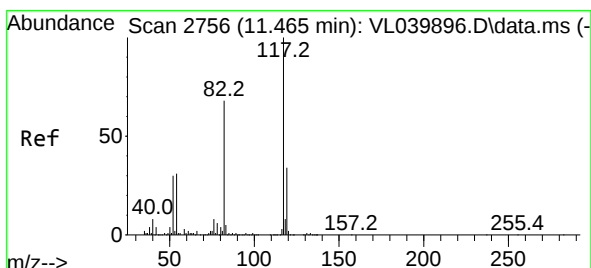
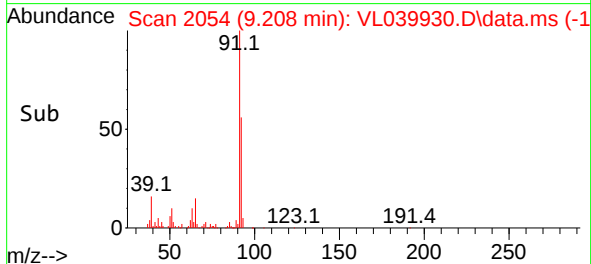
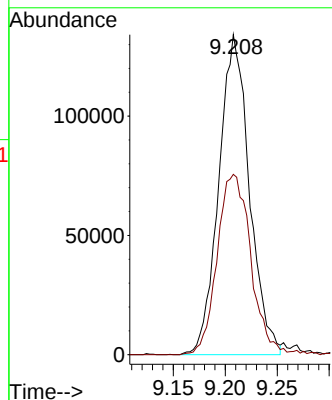
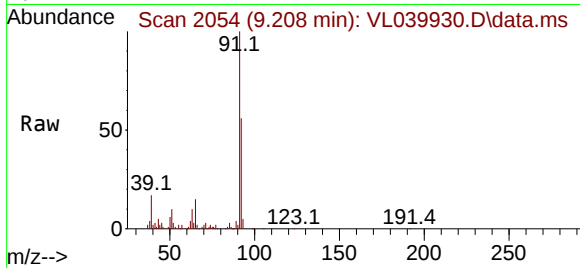
#53
Toluene
Concen: 1.087 ppbv
RT: 9.208 min Scan# 2056
Delta R.T. 0.016 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 274762
Ion Ratio Lower Upper
91 100
92 62.6 49.8 74.6

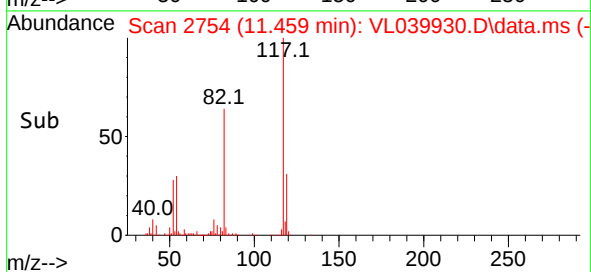
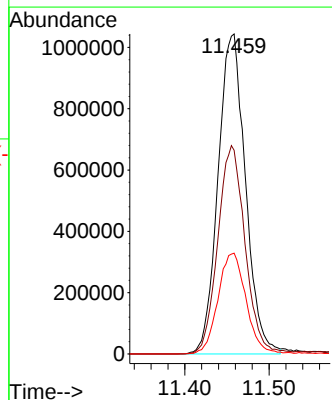
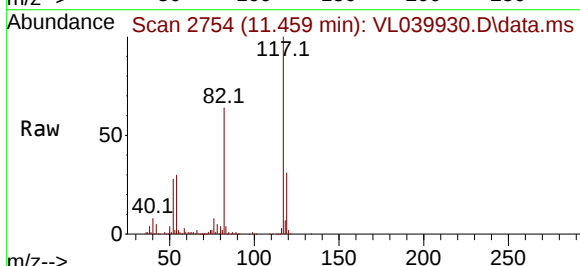
Manual Integrations
APPROVED

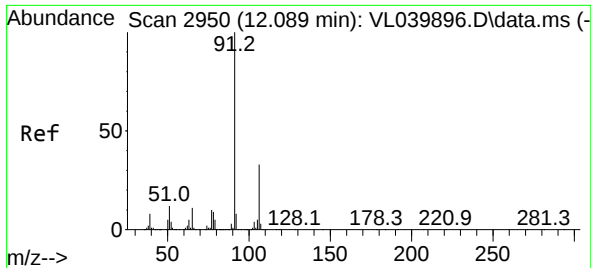
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 2754
Delta R.T. 0.019 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

Tgt Ion:117 Resp: 2355921
Ion Ratio Lower Upper
117 100
82 65.2 52.3 78.5
119 32.4 25.7 38.5





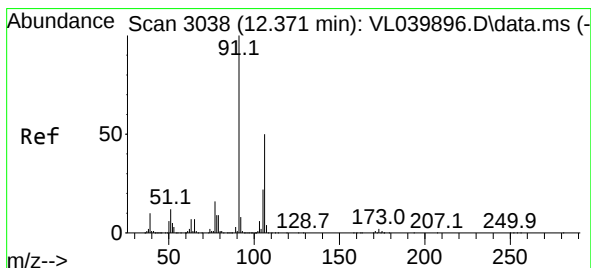
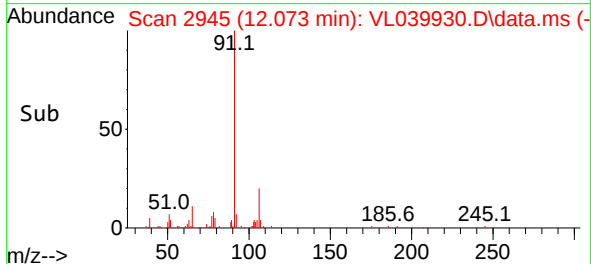
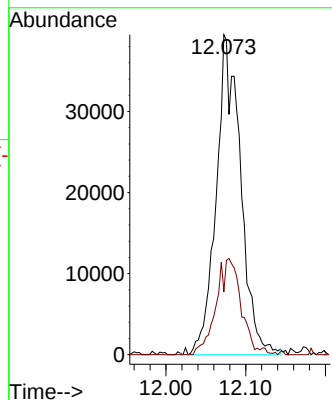
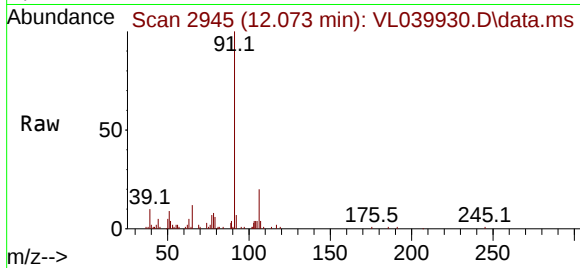
#58
Ethyl Benzene
Concen: 0.263 ppbv m
RT: 12.073 min Scan# 2950
Delta R.T. 0.010 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 8405
Ion Ratio Lower Upper
91 100
106 19.6 26.1 39.1

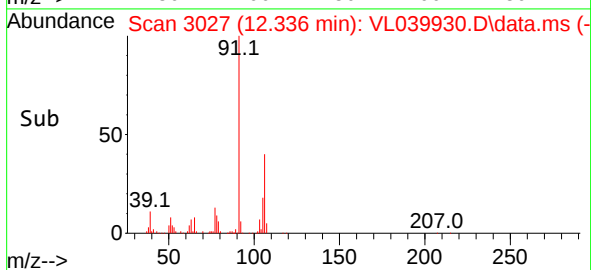
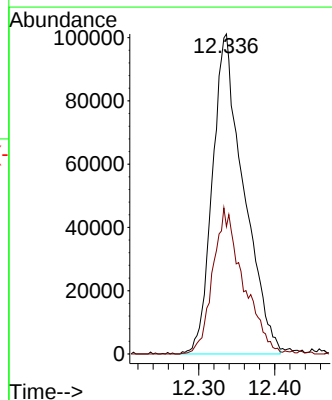
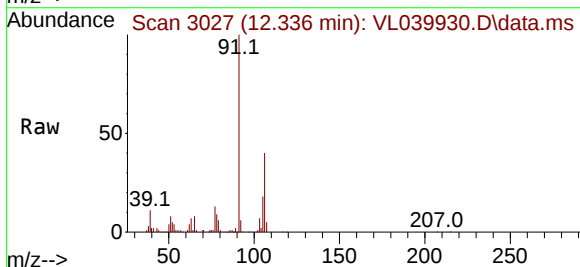
Manual Integrations
APPROVED

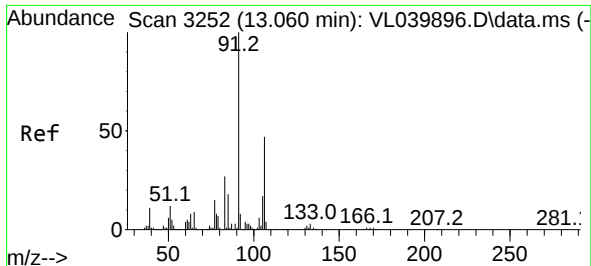
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#59
m/p-Xylene
Concen: 1.079 ppbv
RT: 12.336 min Scan# 3027
Delta R.T. -0.010 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

Tgt Ion: 91 Resp: 288691
Ion Ratio Lower Upper
91 100
106 44.7 37.0 55.6





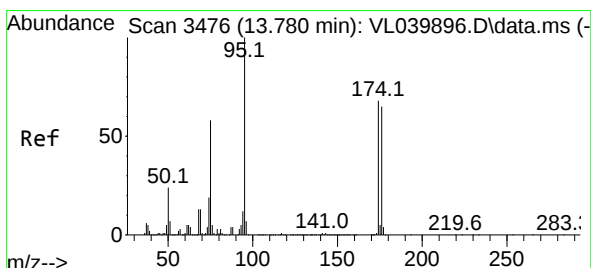
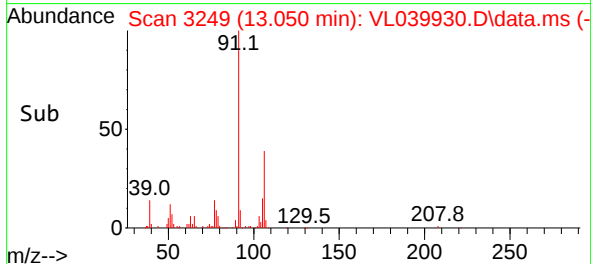
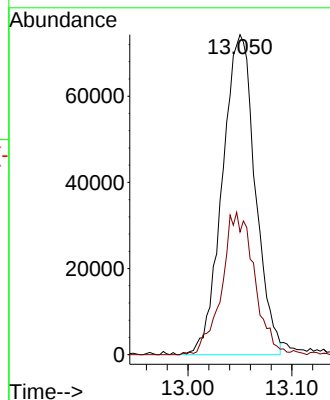
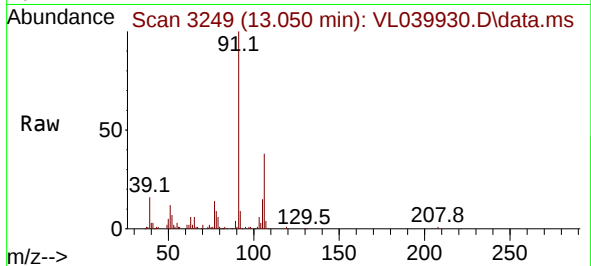
#60
o-Xylene
Concen: 0.641 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 16345
Ion Ratio Lower Upper
91 100
106 44.5 23.2 69.6

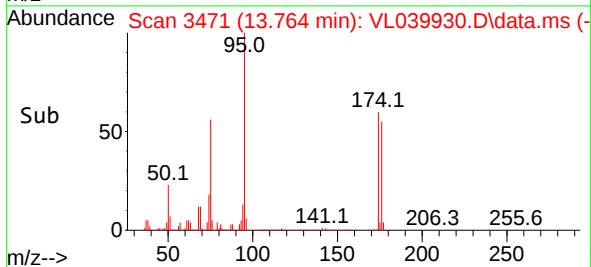
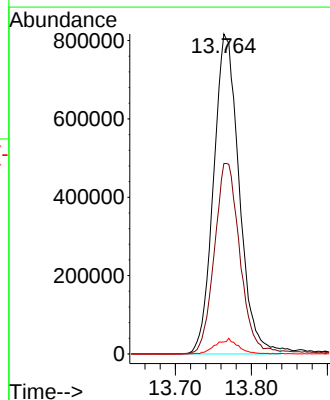
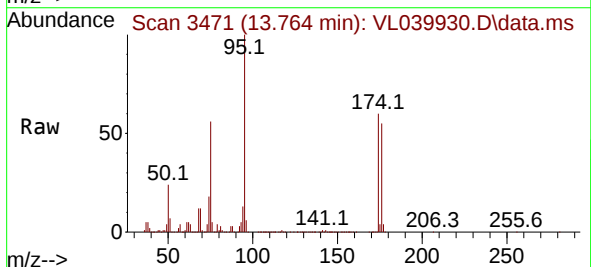
Manual Integrations
APPROVED

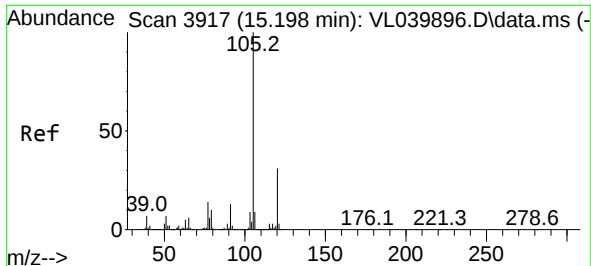
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.614 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.010 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

Tgt Ion: 95 Resp: 1910012
Ion Ratio Lower Upper
95 100
174 60.8 53.7 80.5
175 4.3 4.0 6.0





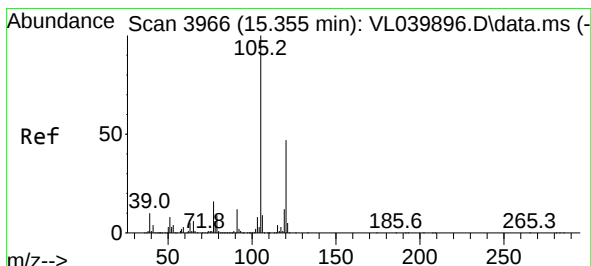
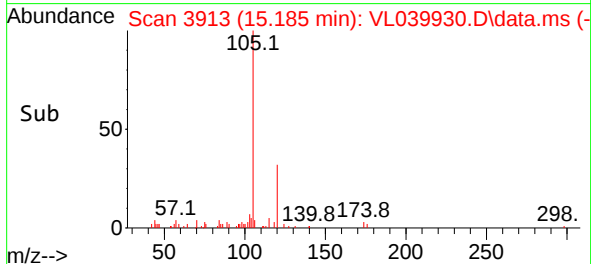
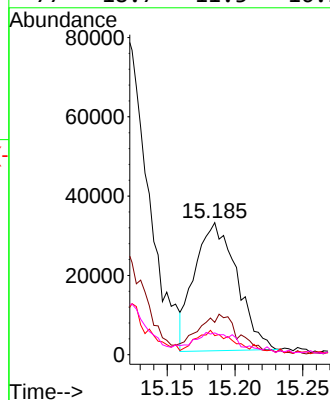
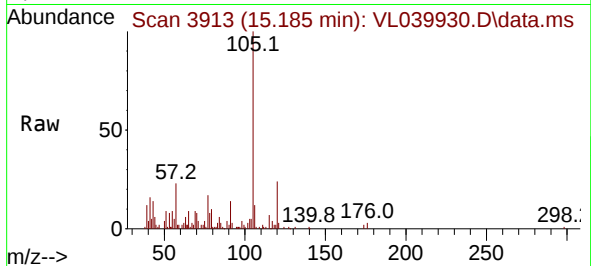
#72
4-Ethyltoluene
Concen: 0.245 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.010 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 7015
Ion Ratio Lower Upper
105 100
120 34.7 24.5 36.7
91 18.4 10.4 15.6
77 18.7 11.3 16.9#

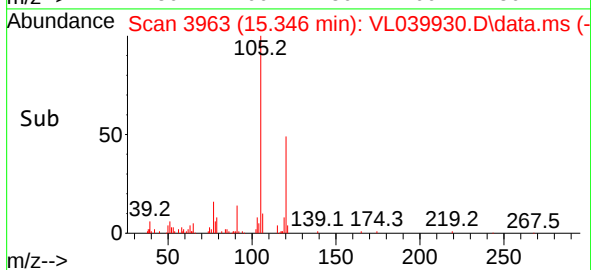
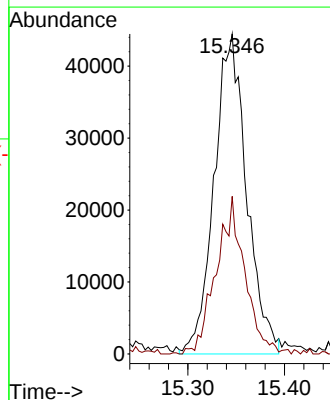
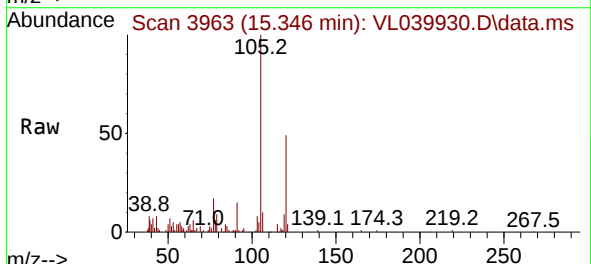
Manual Integrations
APPROVED

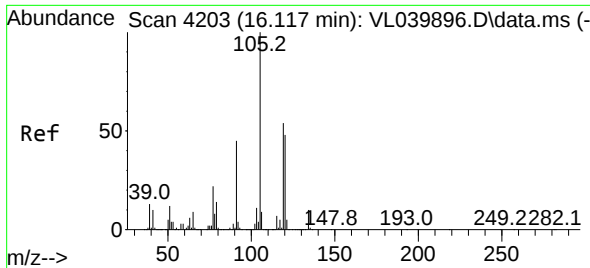
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.395 ppbv m
RT: 15.346 min Scan# 3963
Delta R.T. 0.013 min
Lab File: VL039930.D
Acq: 23 Nov 2022 00:06

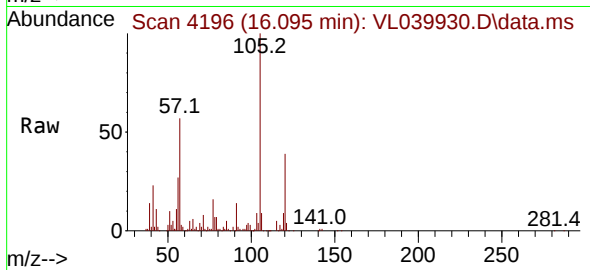
Tgt Ion:105 Resp: 103736
Ion Ratio Lower Upper
105 100
120 49.3 37.9 56.9





#74
 1,2,4-Trimethylbenzene
 Concen: 1.442 ppbv m
 RT: 16.095 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL039930.D
 Acq: 23 Nov 2022 00:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:	105	Resp:	40065
Ion Ratio	Lower	Upper	
105	100		
120	38.7	38.7	58.1
91	13.5	36.4	54.6
77	16.3	17.4	26.0

Manual Integrations
 APPROVED

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

