

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039590.D
 Acq On : 25 Aug 2022 23:04
 Operator : SY/AP
 Sample : N4351-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

Quant Time: Aug 26 06:27:20 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:27:20 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1073626	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2757809	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2506777	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1837597	9.717	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	233563	1.635	ppbv	100
3) Chlorodifluoromethane	2.693	51	1201249	9.391	ppbv	95
9) Propene	2.722	41	88706m	1.516	ppbv	
10) Heptane	7.584	43	33417	0.247	ppbv	91
13) Ethanol	3.263	45	19199	4.564	ppbv	77
15) Acetone	3.491	43	423934	3.525	ppbv	97
19) Isopropyl Alcohol	3.607	45	18133m	0.310	ppbv	
20) Methylene Chloride	3.954	84	90758	1.858	ppbv	93
26) Hexane	5.224	57	341966	3.256	ppbv #	37
27) Carbon Disulfide	4.140	76	15587	0.139	ppbv #	47
34) 2-Butanone	4.809	43	148429	1.083	ppbv	98
51) 2-Hexanone	9.568	43	56412m	0.359	ppbv	
52) Tetrachloroethene	10.626	164	22364m	0.281	ppbv	
53) Toluene	9.224	91	198429	0.843	ppbv	96
58) Ethyl Benzene	12.098	91	38244m	0.133	ppbv	
59) m/p-Xylene	12.349	91	135135m	0.523	ppbv	
60) o-Xylene	13.053	91	42538m	0.172	ppbv	
72) 4-Ethyltoluene	15.195	105	32612m	0.112	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	107634	0.364	ppbv #	68

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

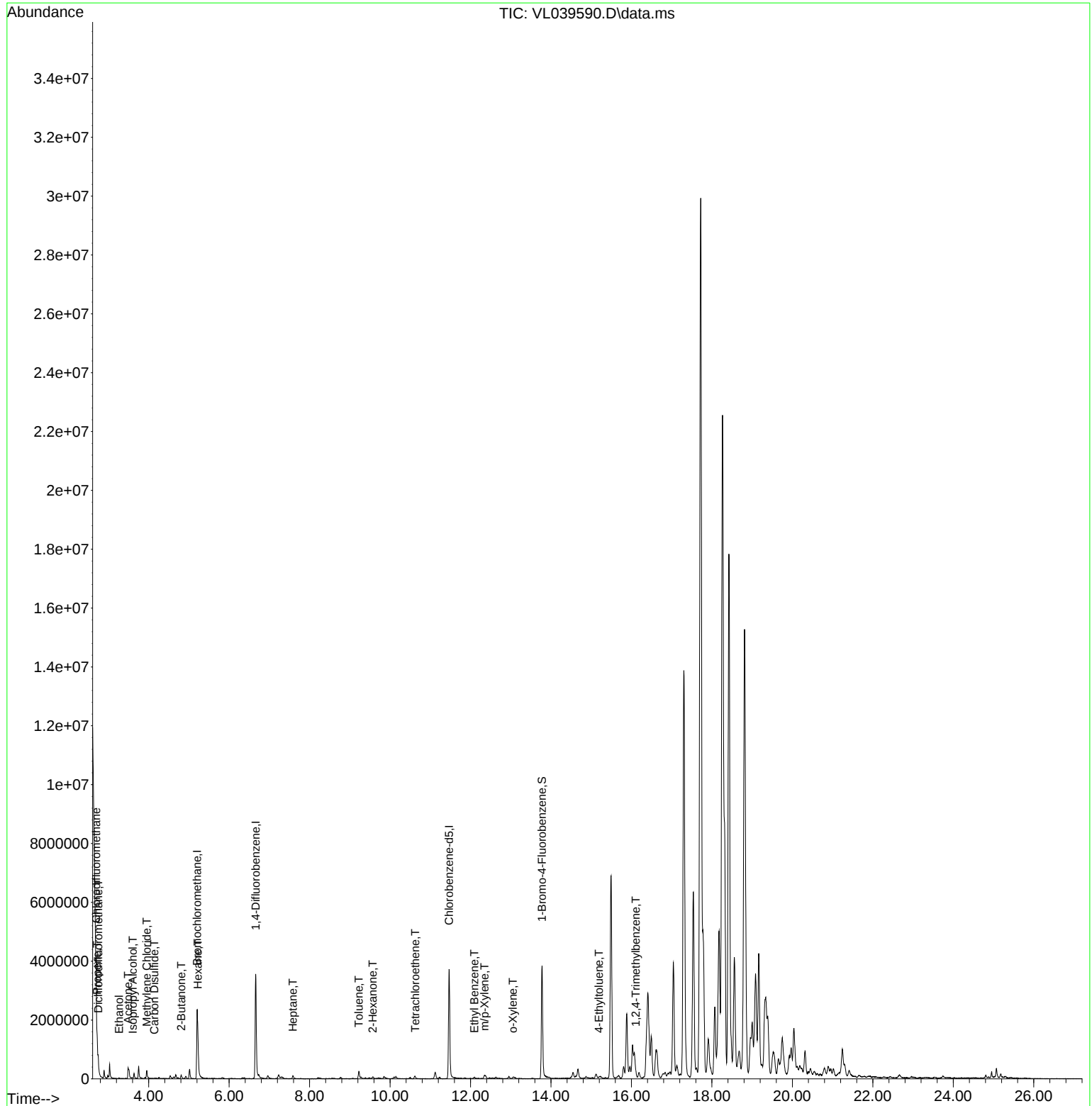
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
Data File : VL039590.D
Acq On : 25 Aug 2022 23:04
Operator : SY/AP
Sample : N4351-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

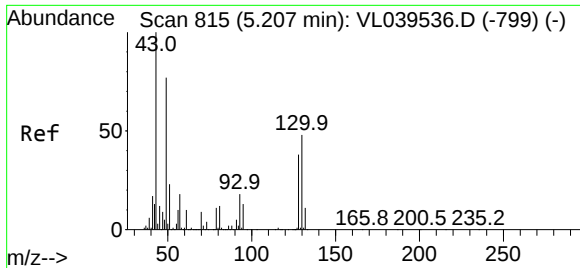
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Aug 26 06:27:20 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration

Manual Integrations
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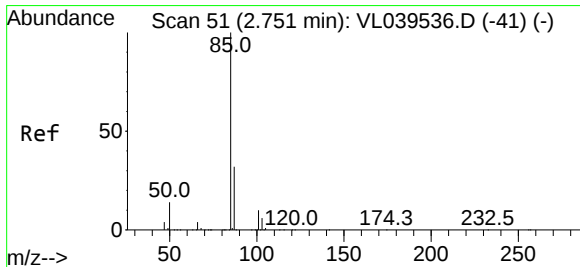
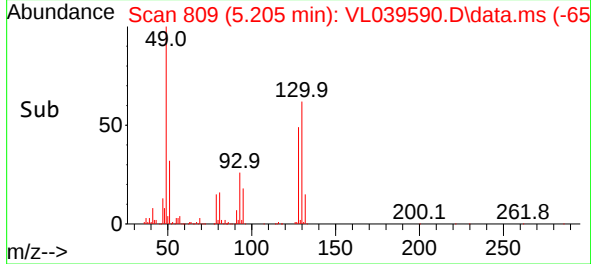
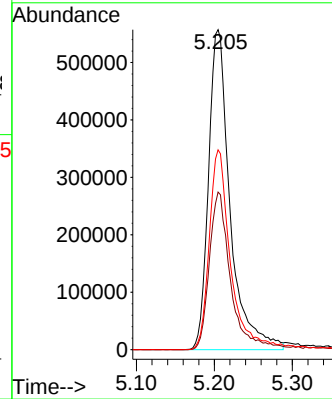
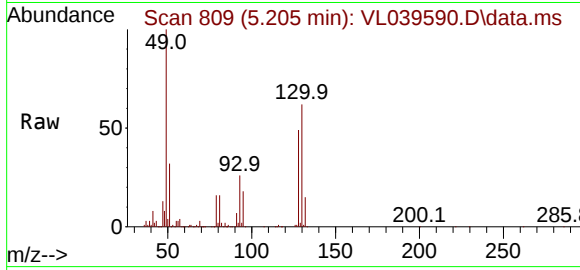
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.003 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 1073620
Ion Ratio Lower Upper
49 100
128 48.9 26.7 80.0
130 62.7 34.3 102.8

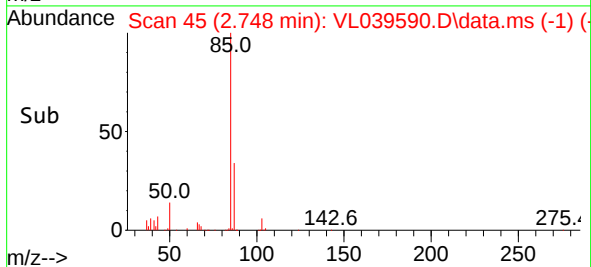
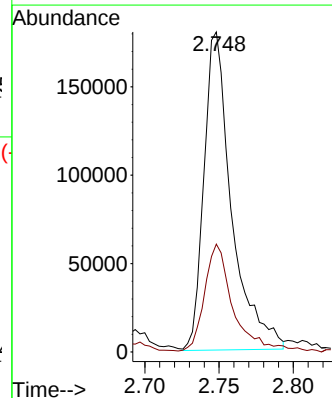
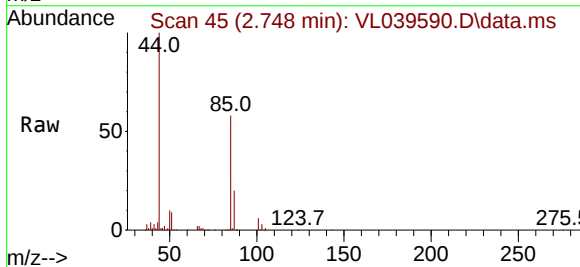
Manual Integrations
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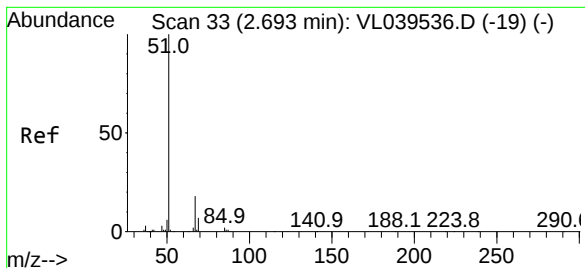
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#2
Dichlorodifluoromethane
Concen: 1.635 ppbv
RT: 2.748 min Scan# 45
Delta R.T. -0.003 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

Tgt Ion: 85 Resp: 233563
Ion Ratio Lower Upper
85 100
87 33.4 26.7 40.1





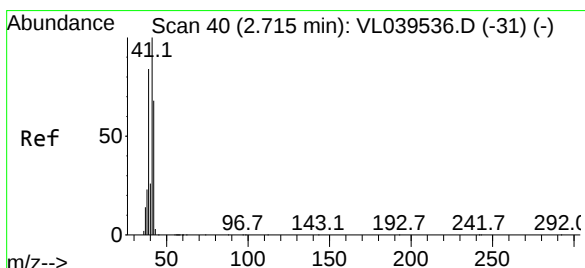
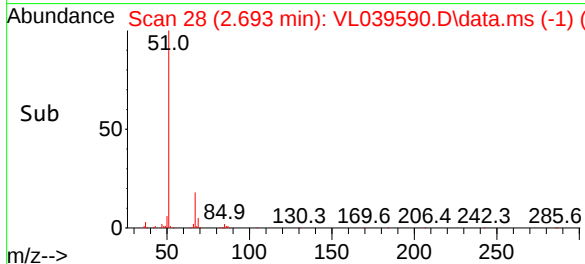
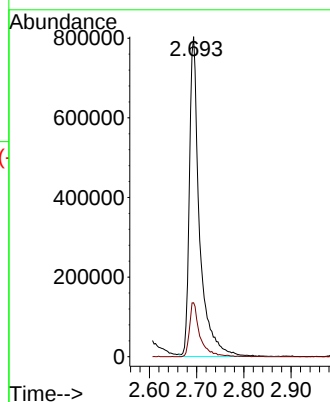
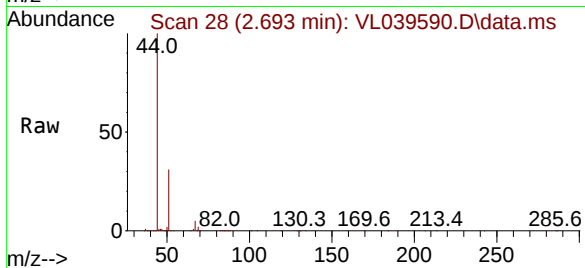
#3
Chlorodifluoromethane
Concen: 9.391 ppbv
RT: 2.693 min Scan# 21
Delta R.T. 0.001 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 1201249
Ion Ratio Lower Upper
51 100
67 17.4 15.7 23.5

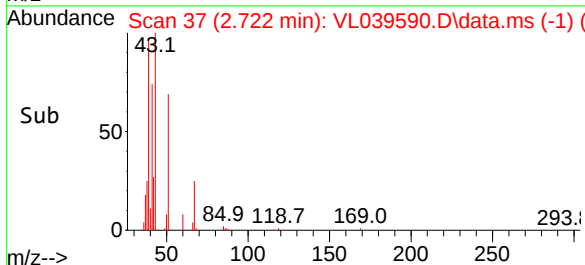
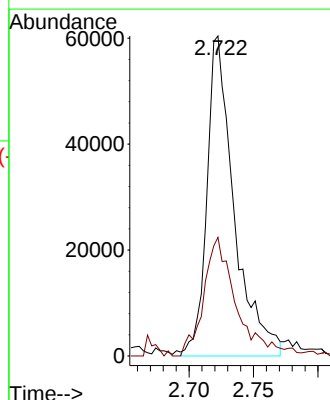
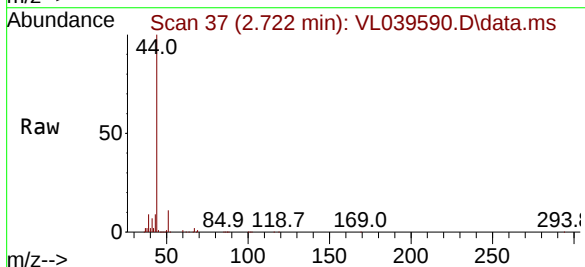
Manual Integrations
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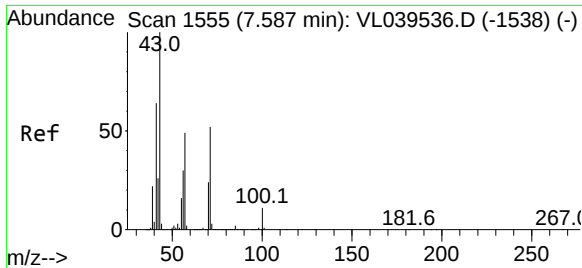
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#9
Propene
Concen: 1.516 ppbv m
RT: 2.722 min Scan# 37
Delta R.T. 0.007 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

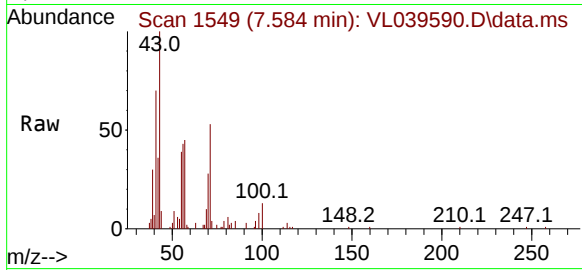
Tgt Ion: 41 Resp: 88706
Ion Ratio Lower Upper
41 100
42 58.3 55.2 82.8





#10
Heptane
Concen: 0.247 ppbv
RT: 7.584 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

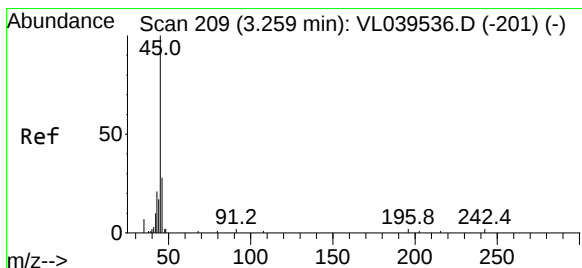
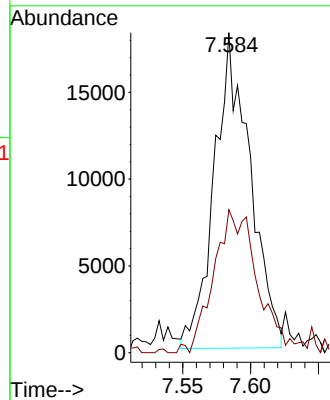
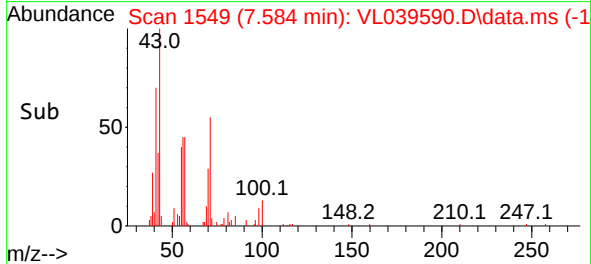
Instrument :
MSVOA_L
ClientSampleId :
SV1



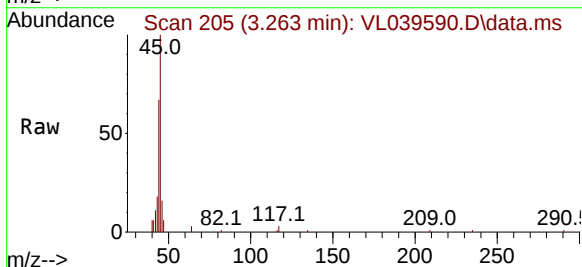
Tgt Ion: 43 Resp: 3341
Ion Ratio Lower Upper
43 100
57 56.7 40.5 60.7

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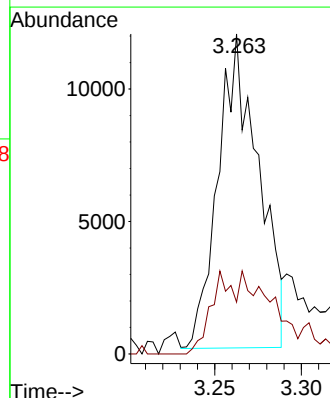
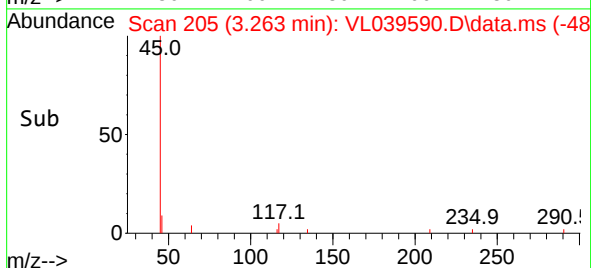
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

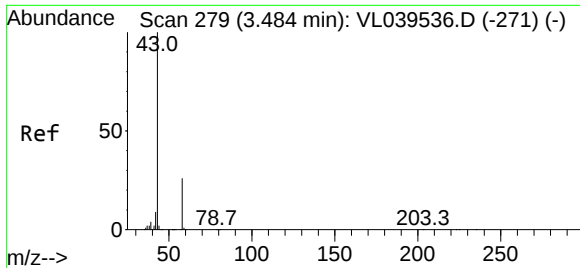


#13
Ethanol
Concen: 4.564 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.004 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04



Tgt Ion: 45 Resp: 19199
Ion Ratio Lower Upper
45 100
46 40.0 22.8 91.2





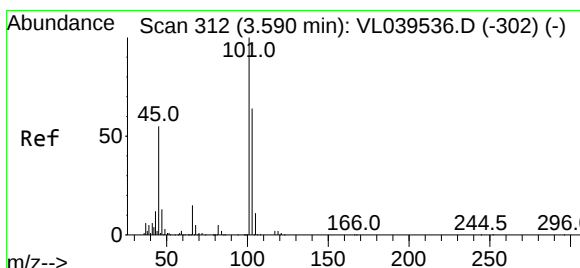
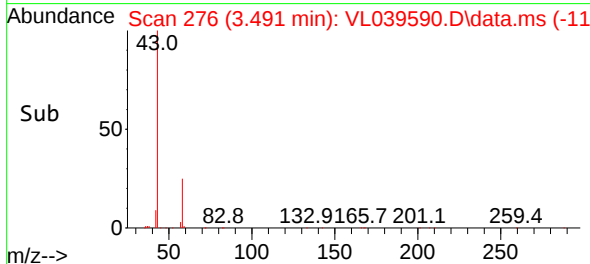
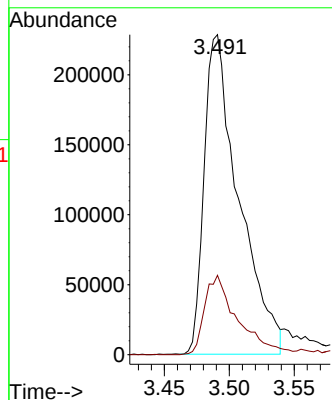
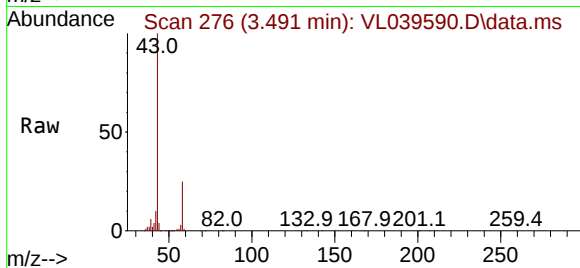
#15
Acetone
Concen: 3.525 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 423934
Ion Ratio Lower Upper
43 100
58 24.8 21.0 31.6

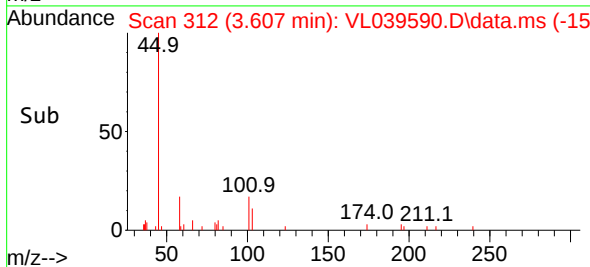
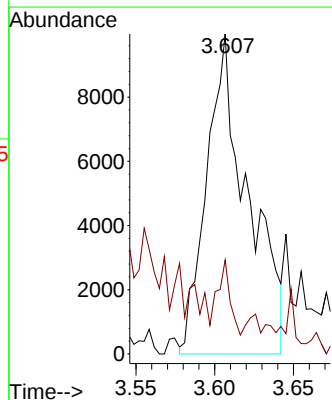
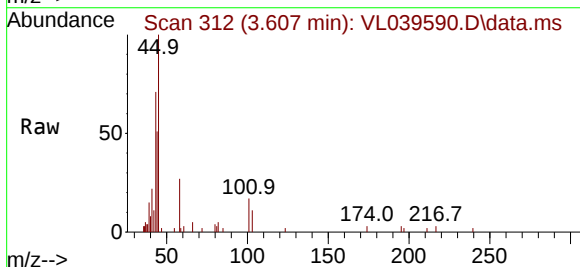
Manual Integrations
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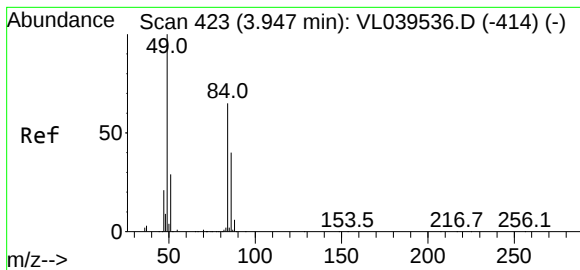
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#19
Isopropyl Alcohol
Concen: 0.310 ppbv m
RT: 3.607 min Scan# 312
Delta R.T. 0.017 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

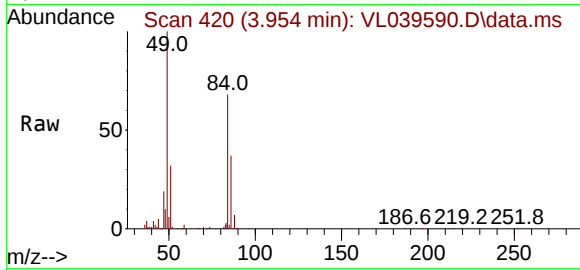
Tgt Ion: 45 Resp: 18133
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8#





#20
Methylene Chloride
Concen: 1.858 ppbv
RT: 3.954 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

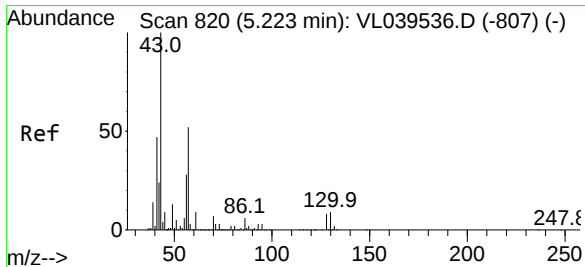
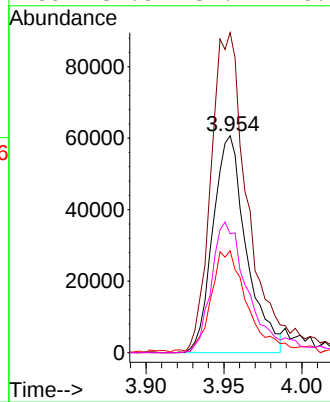
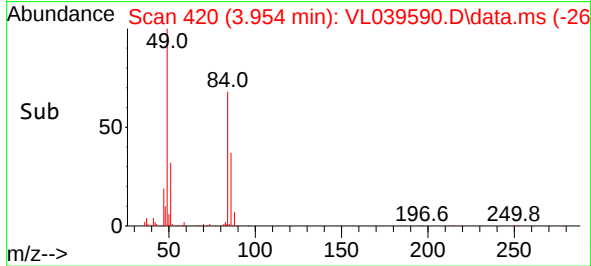
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	84	Resp:	90758
Ion	Ratio	Lower	Upper
84	100		
49	147.2	123.1	184.7
51	45.7	34.4	51.6
86	54.8	51.1	76.7

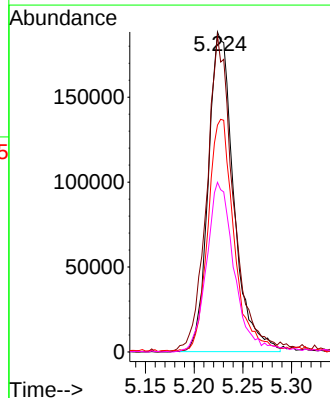
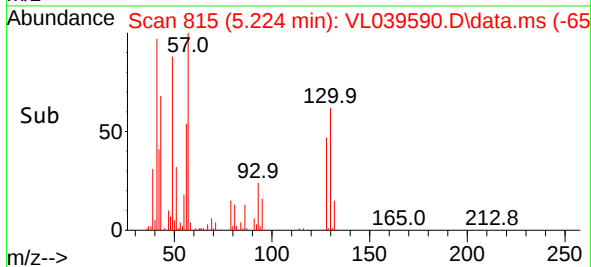
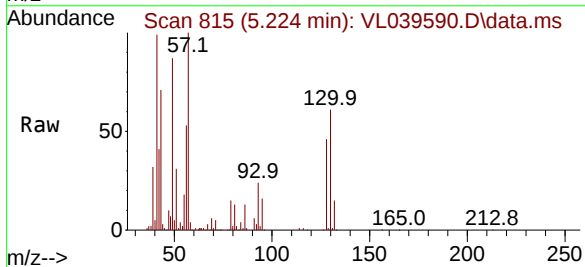
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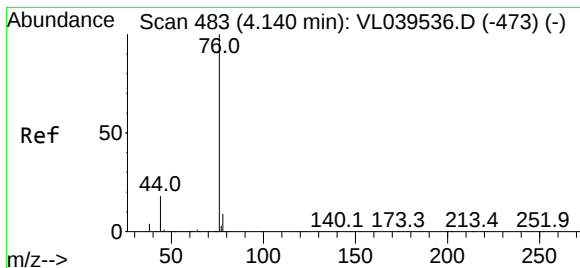
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#26
Hexane
Concen: 3.256 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.001 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

Tgt Ion:	57	Resp:	341966
Ion	Ratio	Lower	Upper
57	100		
41	107.2	76.9	115.3
43	75.7	191.0	286.6#
56	58.8	43.2	64.8





#27

Carbon Disulfide

Concen: 0.139 ppbv

RT: 4.140 min Scan# 41

Delta R.T. 0.001 min

Lab File: VL039590.D

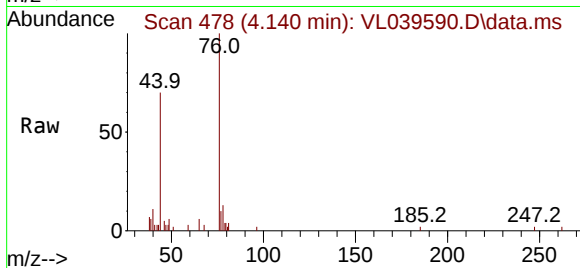
Acq: 25 Aug 2022 23:04

Instrument :

MSVOA_L

ClientSampleId :

SV1



Tgt Ion: 76 Resp: 1558

Ion Ratio Lower Upper

76 100

44 51.1 14.6 21.8

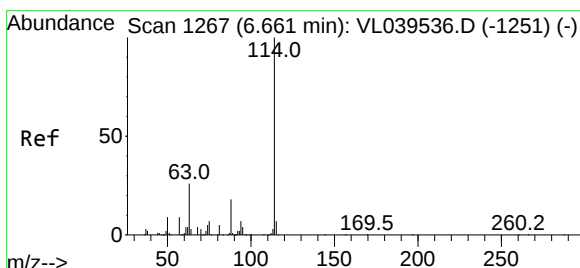
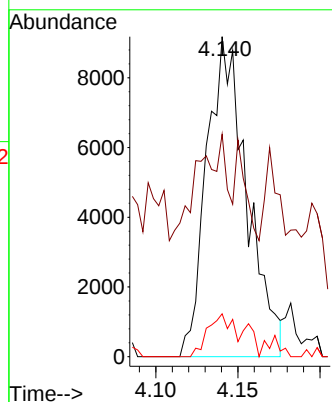
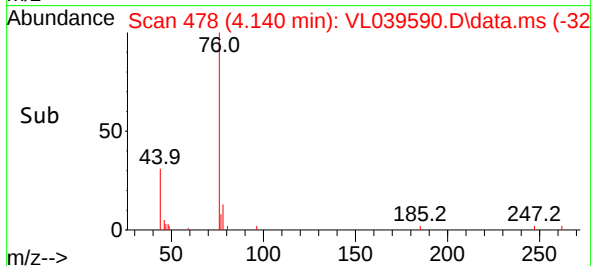
78 14.6 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VL039590.D

Acq: 25 Aug 2022 23:04

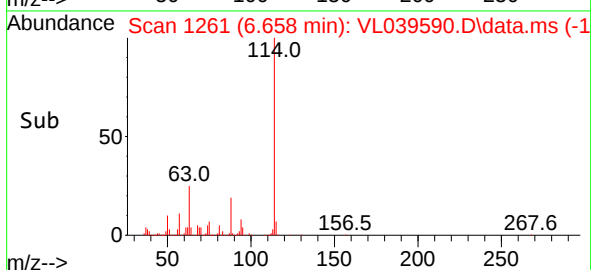
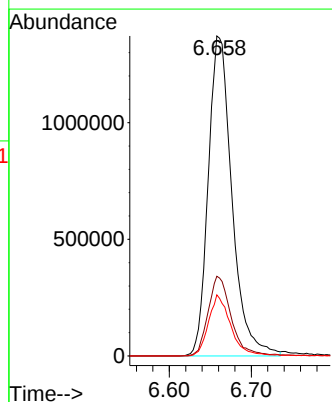
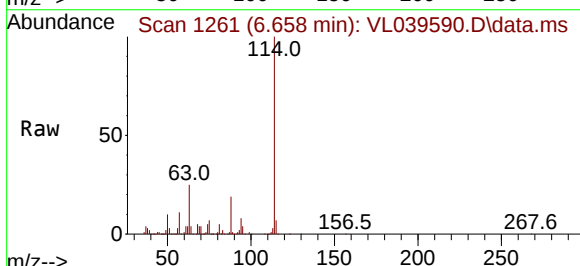
Tgt Ion:114 Resp: 2757809

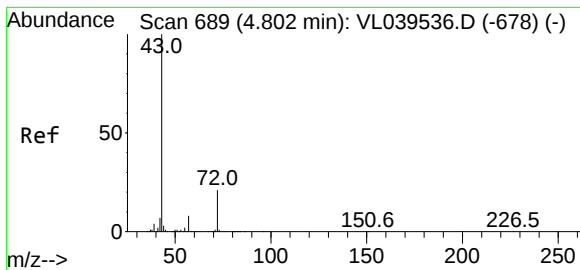
Ion Ratio Lower Upper

114 100

63 24.5 20.2 30.4

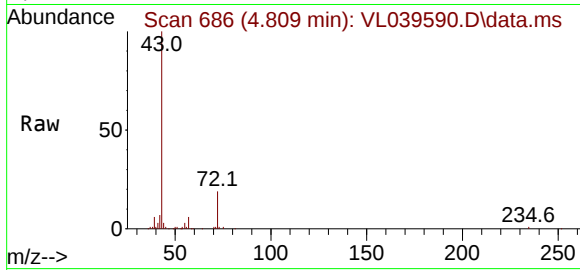
88 17.9 14.5 21.7





#34
2-Butanone
Concen: 1.083 ppbv
RT: 4.809 min Scan# 689
Delta R.T. 0.007 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

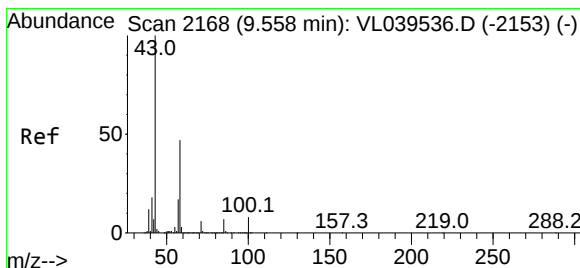
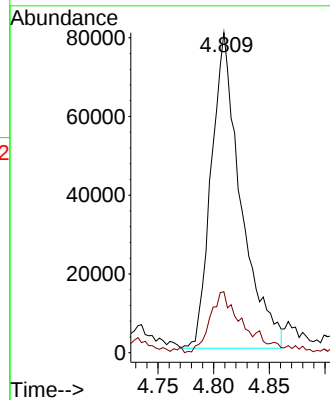
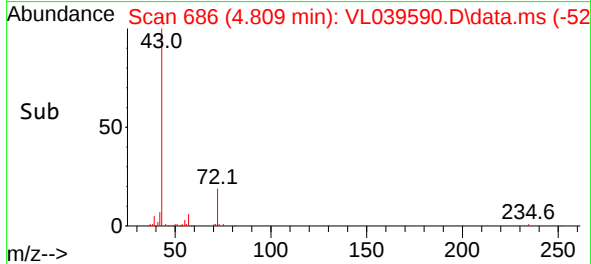
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 148429
Ion Ratio Lower Upper
43 100
72 23.5 17.9 26.9

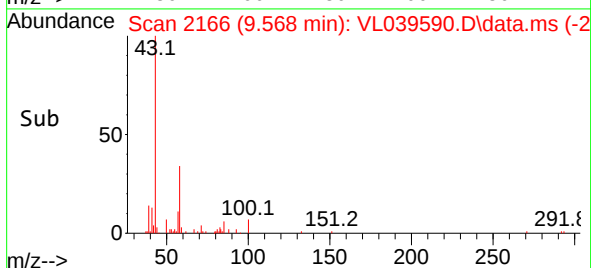
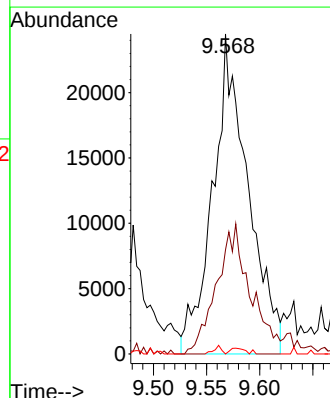
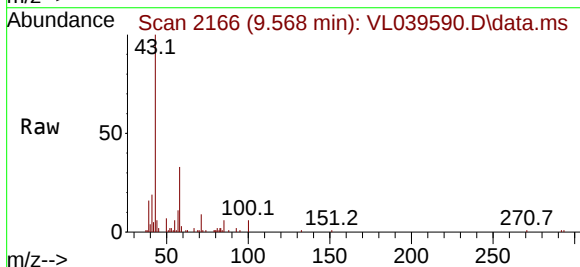
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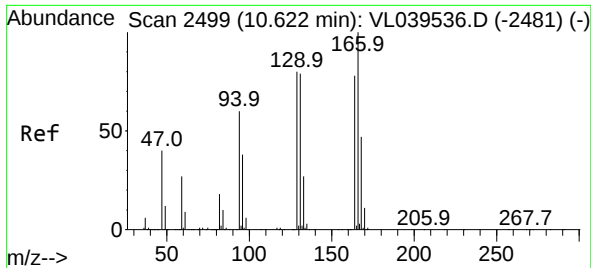
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#51
2-Hexanone
Concen: 0.359 ppbv m
RT: 9.568 min Scan# 2166
Delta R.T. 0.010 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

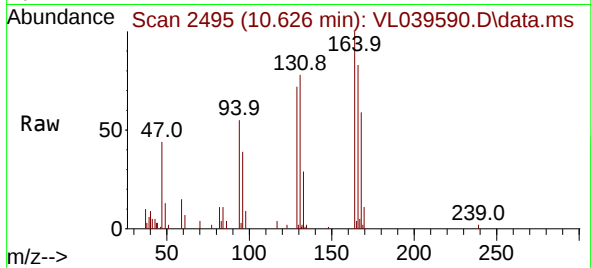
Tgt Ion: 43 Resp: 56412
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 1.4 0.3 0.5#





#52
Tetrachloroethene
Concen: 0.281 ppbv m
RT: 10.626 min Scan# 2499
Delta R.T. 0.004 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

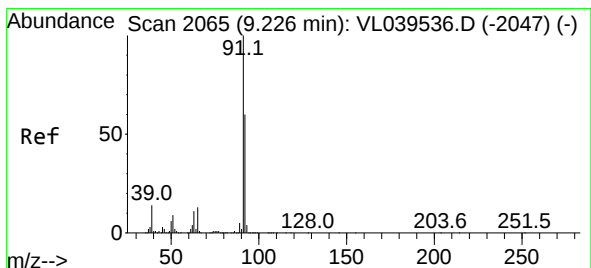
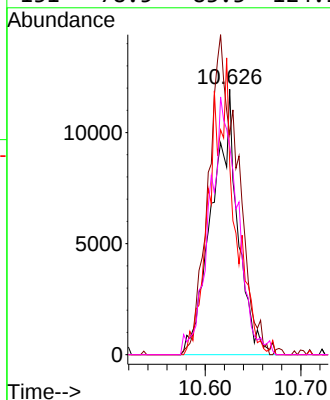
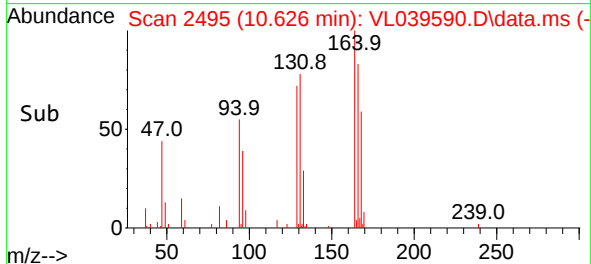
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 22364
Ion Ratio Lower Upper
164 100
166 82.9 102.2 153.2
129 71.6 85.8 128.8
131 78.5 83.3 124.9

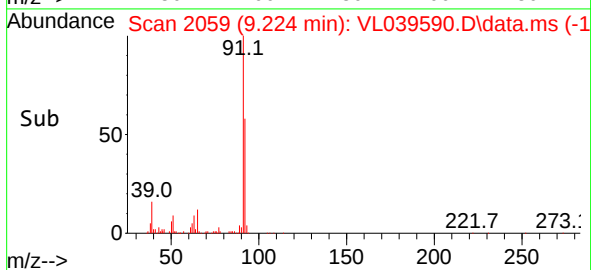
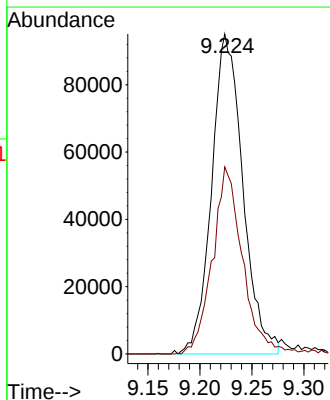
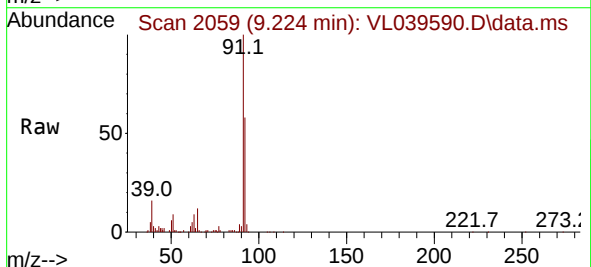
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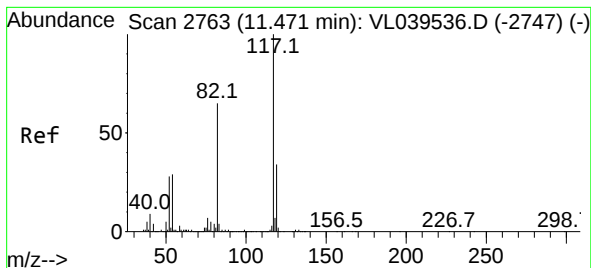
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#53
Toluene
Concen: 0.843 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. -0.003 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

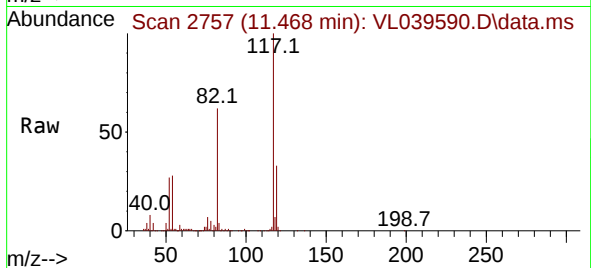
Tgt Ion: 91 Resp: 198429
Ion Ratio Lower Upper
91 100
92 57.0 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

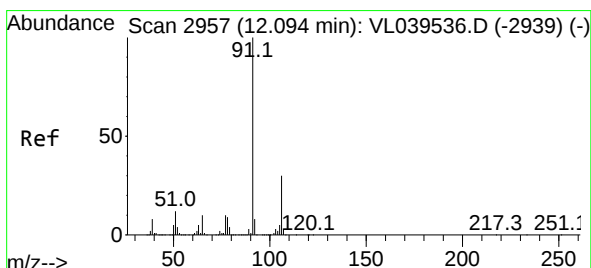
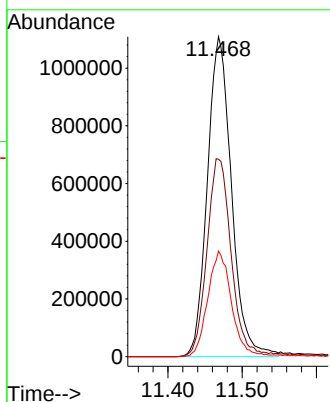
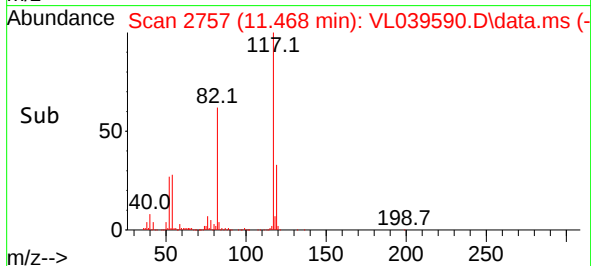
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:117 Resp: 250677
Ion Ratio Lower Upper
117 100
82 63.5 50.8 76.2
119 33.0 24.1 36.1

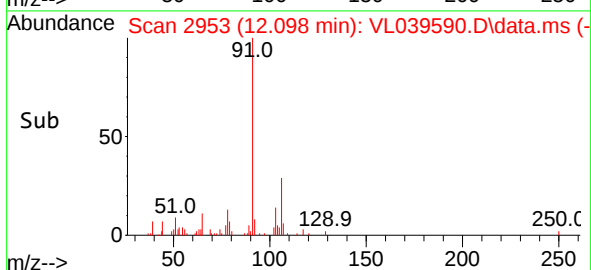
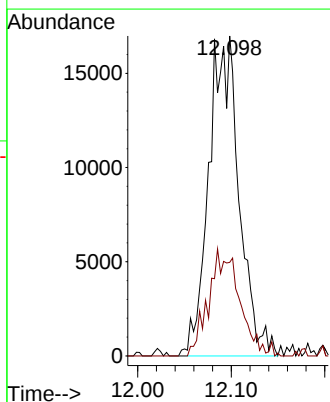
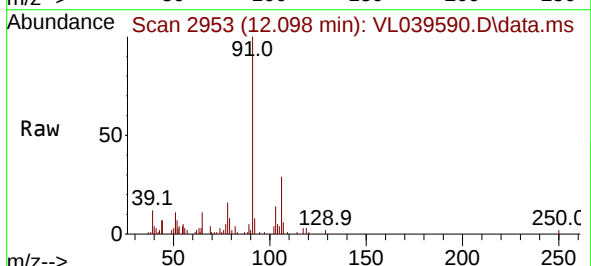
Manual Integrations
APPROVED

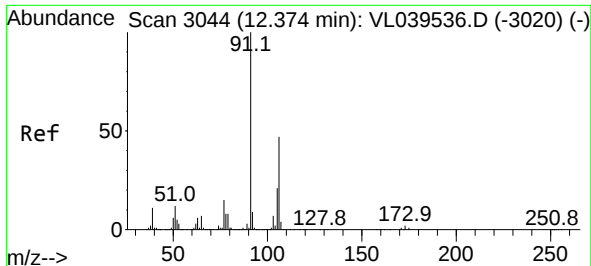
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#58
Ethyl Benzene
Concen: 0.133 ppbv m
RT: 12.098 min Scan# 2953
Delta R.T. 0.004 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

Tgt Ion: 91 Resp: 38244
Ion Ratio Lower Upper
91 100
106 29.3 25.4 38.0





#59

m/p-Xylene

Concen: 0.523 ppbv m

RT: 12.349 min Scan# 3044

Delta R.T. -0.025 min

Lab File: VL039590.D

Acq: 25 Aug 2022 23:04

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 13513

Ion Ratio Lower Upper

91 100

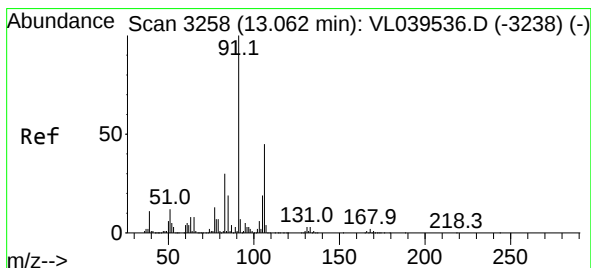
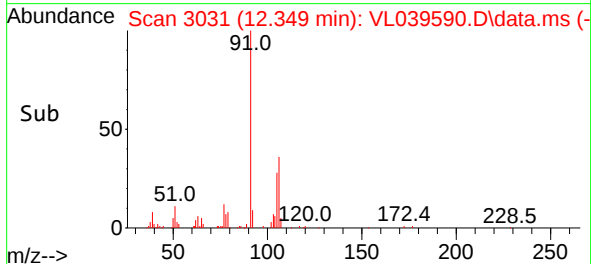
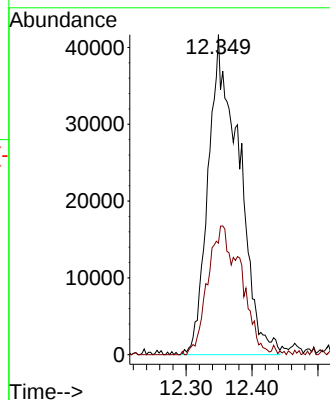
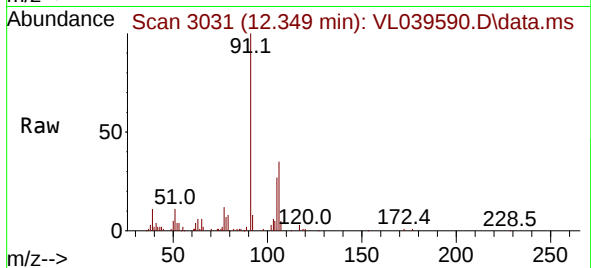
106 0.0 35.4 53.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#60

o-Xylene

Concen: 0.172 ppbv m

RT: 13.053 min Scan# 3250

Delta R.T. -0.009 min

Lab File: VL039590.D

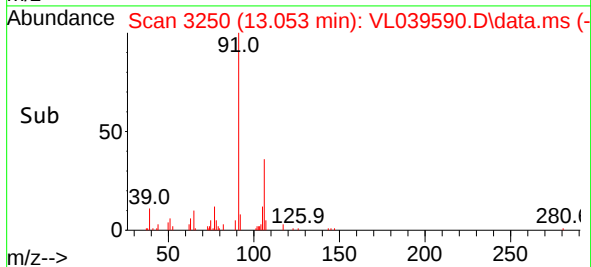
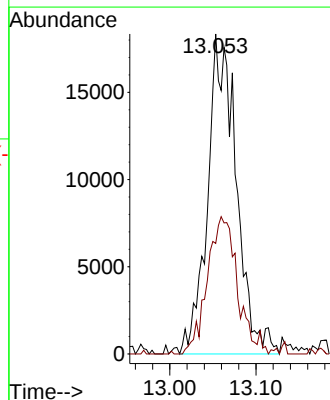
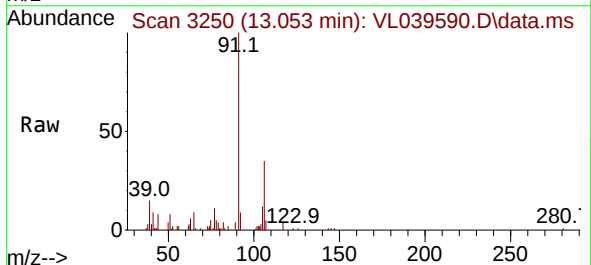
Acq: 25 Aug 2022 23:04

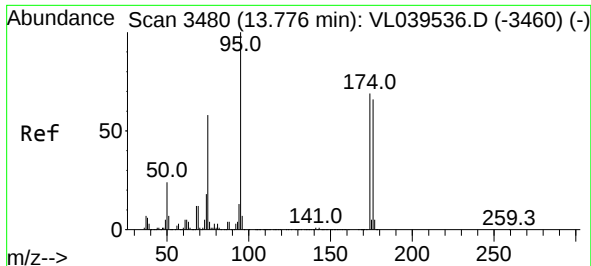
Tgt Ion: 91 Resp: 42538

Ion Ratio Lower Upper

91 100

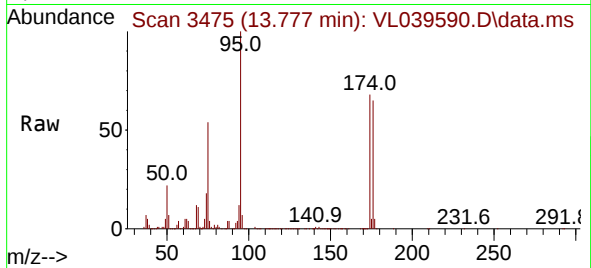
106 45.8 22.4 67.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.717 ppbv
RT: 13.777 min Scan# 3480
Delta R.T. 0.001 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04

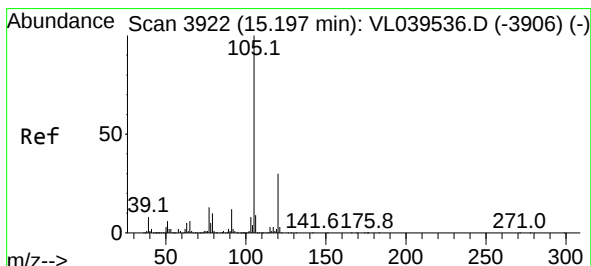
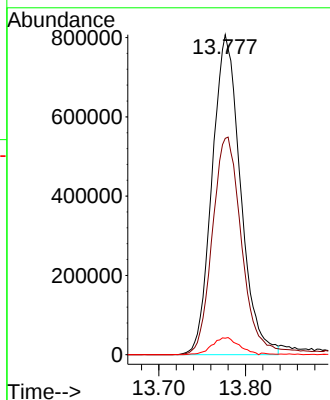
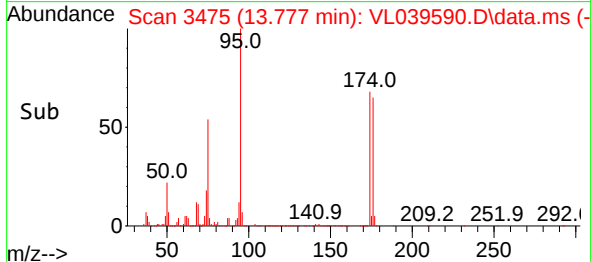
Instrument : MSVOA_L
ClientSampleId : SV1



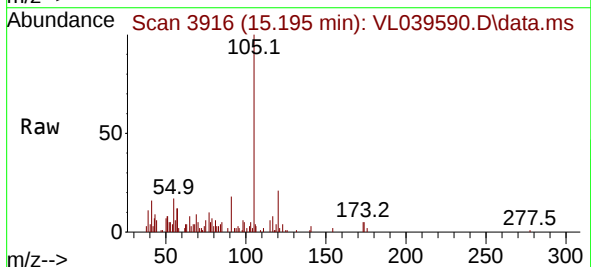
Tgt Ion: 95 Resp: 183759
Ion Ratio Lower Upper
95 100
174 73.2 55.9 83.9
175 5.4 4.2 6.4

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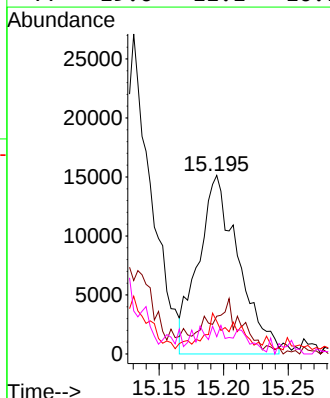
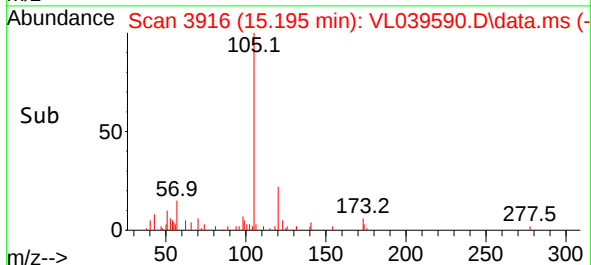
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

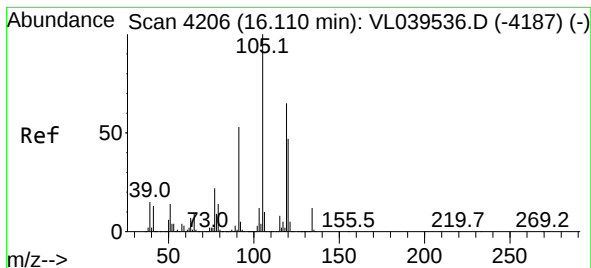


#72
4-Ethyltoluene
Concen: 0.112 ppbv m
RT: 15.195 min Scan# 3916
Delta R.T. -0.003 min
Lab File: VL039590.D
Acq: 25 Aug 2022 23:04



Tgt Ion:105 Resp: 32612
Ion Ratio Lower Upper
105 100
120 0.0 24.2 36.2#
91 25.5 10.2 15.4#
77 19.6 11.1 16.7#





#74

1,2,4-Trimethylbenzene

Concen: 0.364 ppbv

RT: 16.111 min Scan# 41

Delta R.T. 0.001 min

Lab File: VL039590.D

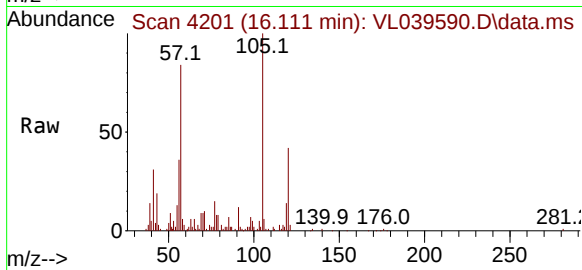
Acq: 25 Aug 2022 23:04

Instrument :

MSVOA_L

ClientSampleId :

SV1



Tgt Ion:105 Resp: 107634

Ion Ratio Lower Upper

105 100

120 41.1 39.5 59.3

91 9.6 39.2 58.8

77 12.9 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

