

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039554.D
 Acq On : 17 Aug 2022 18:57
 Operator : SY/AP
 Sample : N4125-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/18/2022
 Supervised By :Mahesh Dadoda 08/19/2022

Quant Time: Aug 18 05:39:29 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 12:06:24 2022

QLast Update : Wed Aug 17 12:06:24 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1009966	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2641812	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2348378	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1809004	10.233	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.754	85	30355m	0.224	ppbv	
3) Chlorodifluoromethane	2.700	51	46830m	0.387	ppbv	
4) Chloromethane	2.838	50	34834	0.481	ppbv #	75
9) Propene	2.729	41	42022	0.762	ppbv #	74
10) Heptane	7.594	43	16808m	0.131	ppbv	
11) Trichlorofluoromethane	3.584	101	30321	0.203	ppbv	99
13) Ethanol	3.263	45	150615	37.952	ppbv	86
15) Acetone	3.491	43	705399	6.182	ppbv	100
19) Isopropyl Alcohol	3.607	45	64508	1.157	ppbv #	100
20) Methylene Chloride	3.954	84	573964	12.354	ppbv	95
26) Hexane	5.230	57	370631	3.715	ppbv #	41
34) 2-Butanone	4.815	43	83761m	0.631	ppbv	
35) Carbon Tetrachloride	6.500	117	9594m	0.065	ppbv	
36) Benzene	6.378	78	27123m	0.135	ppbv	
44) 2,2,4-Trimethylpentane	7.343	57	45982m	0.136	ppbv	
52) Tetrachloroethene	10.619	164	2548m	0.032	ppbv	
53) Toluene	9.230	91	97164	0.431	ppbv	98
59) m/p-Xylene	12.349	91	37654m	0.154	ppbv	

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

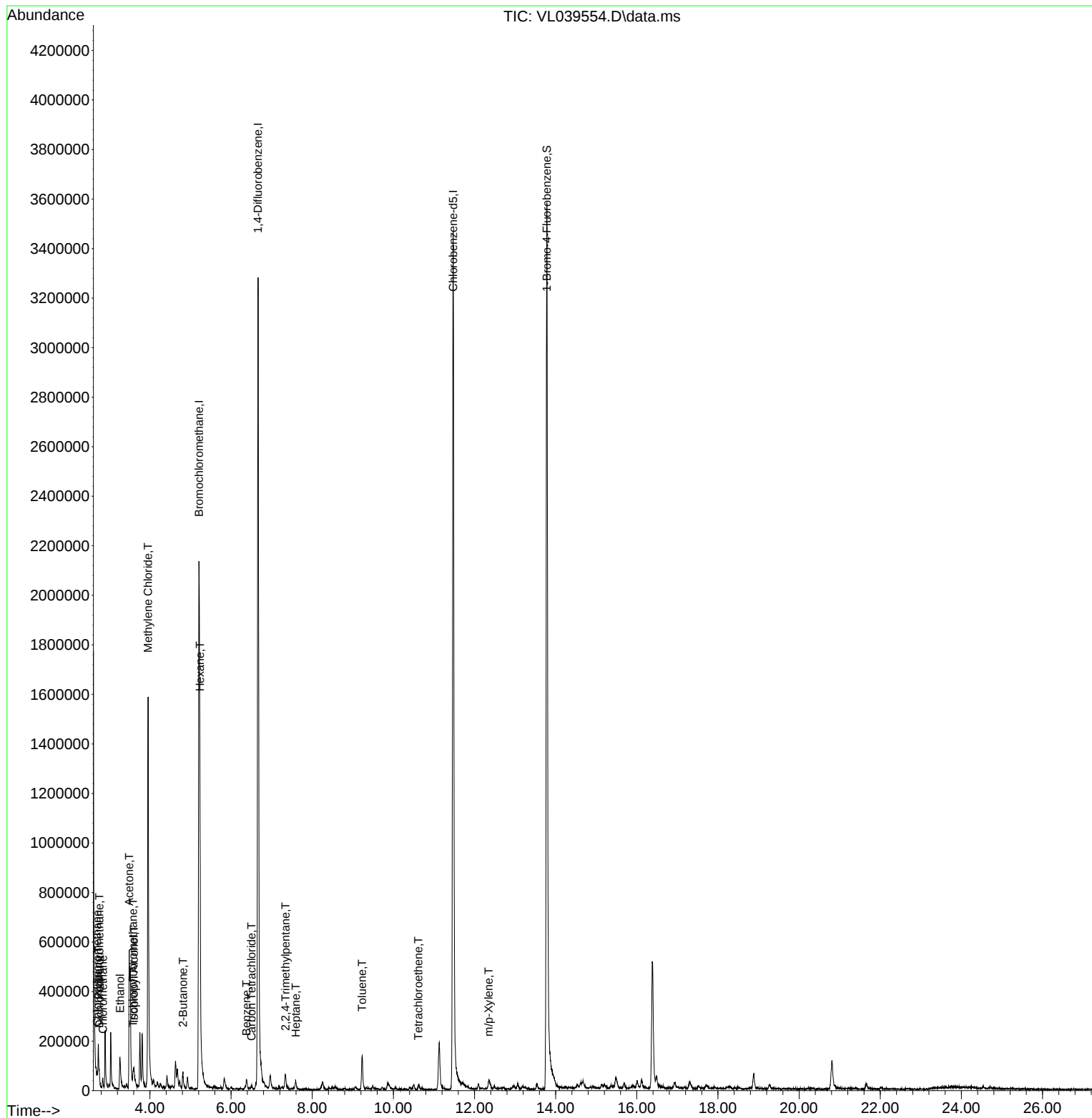
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
Data File : VL039554.D
Acq On : 17 Aug 2022 18:57
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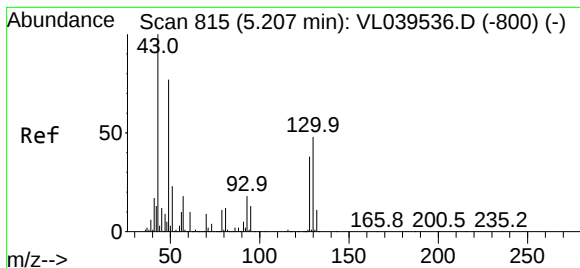
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Aug 18 05:39:29 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug
QLast Update : Wed Aug 17 12:06:24 2022
Response via : Initial Calibration

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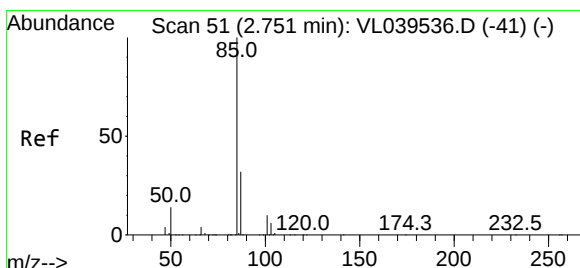
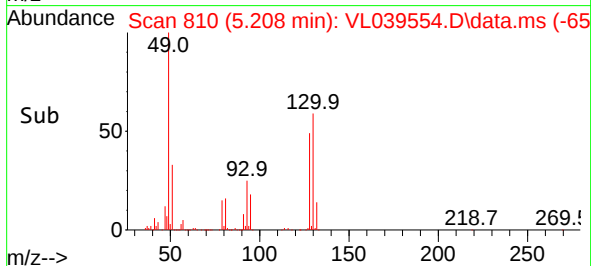
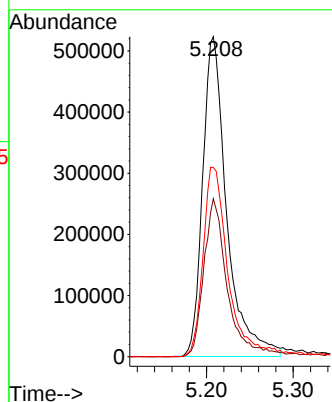
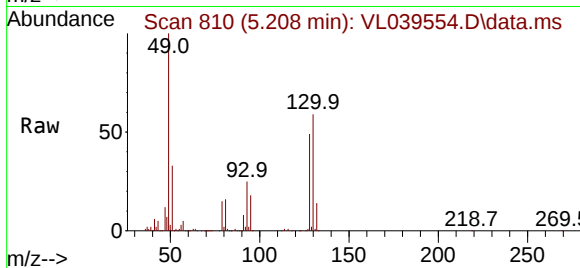
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 100996
Ion Ratio Lower Upper
49 100
128 49.7 25.7 77.0
130 62.4 31.6 95.0

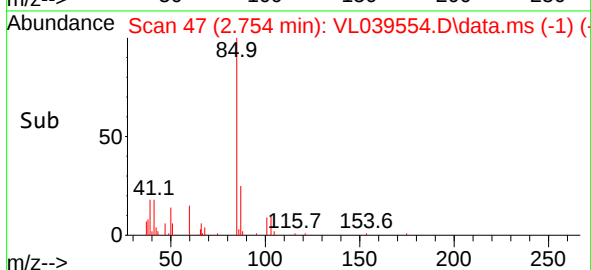
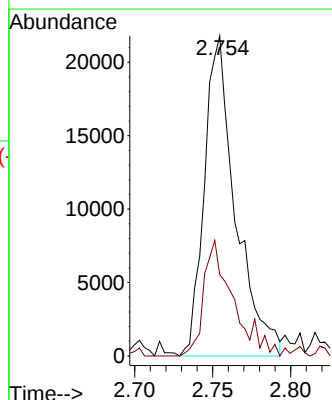
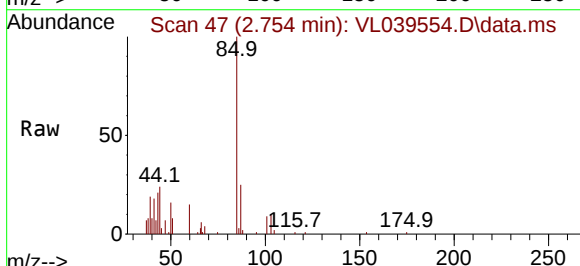
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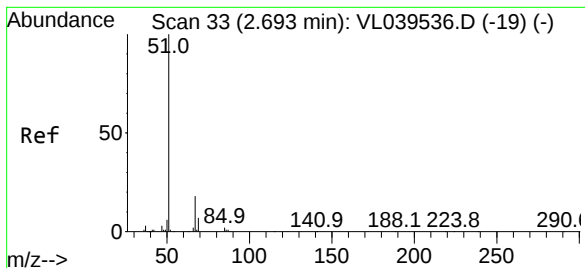
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#2
Dichlorodifluoromethane
Concen: 0.224 ppbv m
RT: 2.754 min Scan# 47
Delta R.T. 0.004 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

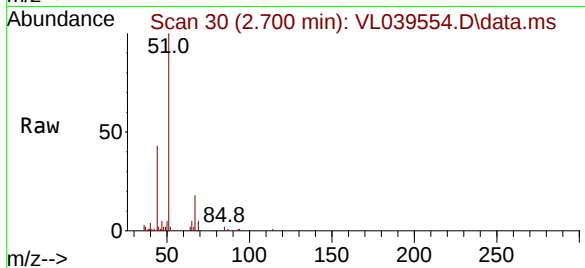
Tgt Ion: 85 Resp: 30355
Ion Ratio Lower Upper
85 100
87 25.4 25.9 38.9#





#3
Chlorodifluoromethane
Concen: 0.387 ppbv m
RT: 2.700 min Scan# 30
Delta R.T. 0.007 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

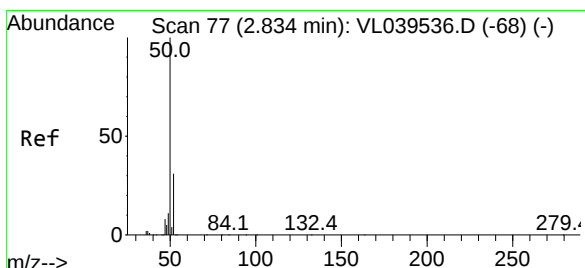
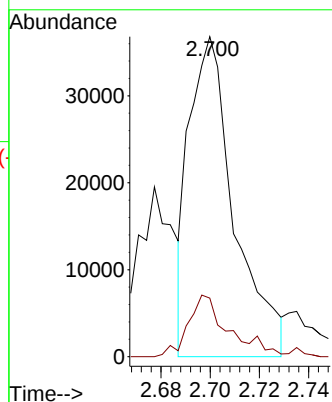
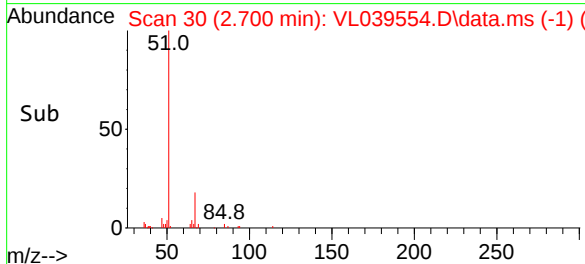
Instrument :
MSVOA_L
ClientSampleId :
OA1



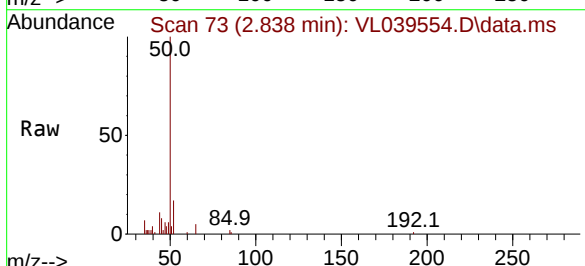
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Ion Ratio Lower Upper
51 100
67 18.1 14.7 22.1

Manual Integrations
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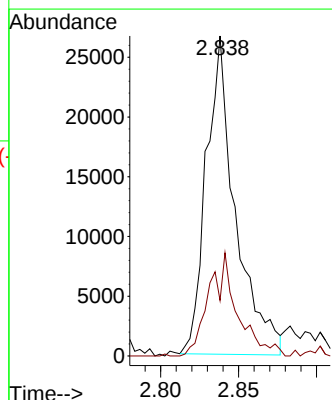
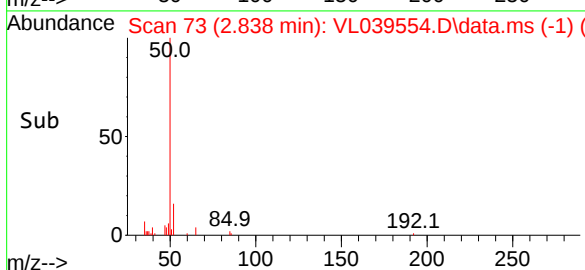
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022

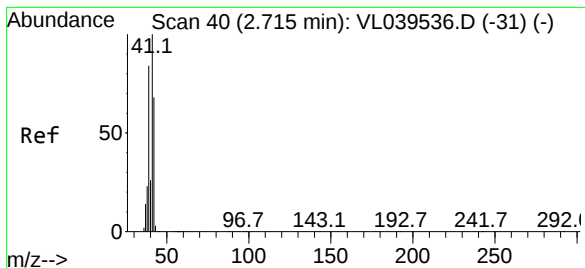


#4
Chloromethane
Concen: 0.481 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.004 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57



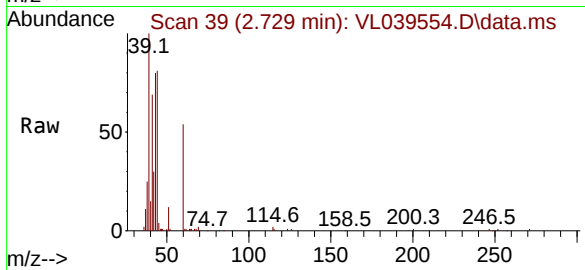
Tgt Ion: 50 Resp: 34834
Ion Ratio Lower Upper
50 100
52 16.8 24.3 36.5#





#9
Propene
Concen: 0.762 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

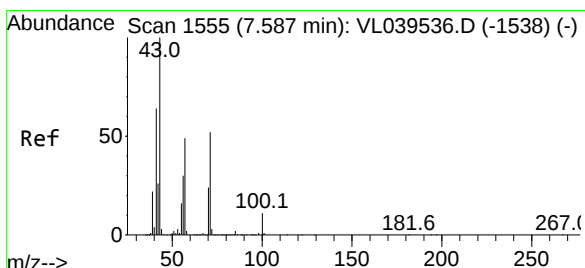
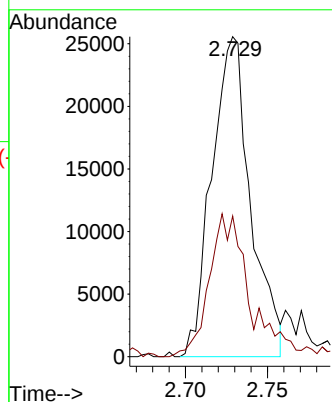
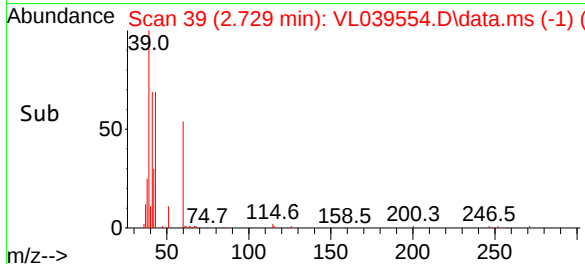
Instrument :
MSVOA_L
ClientSampleId :
OA1



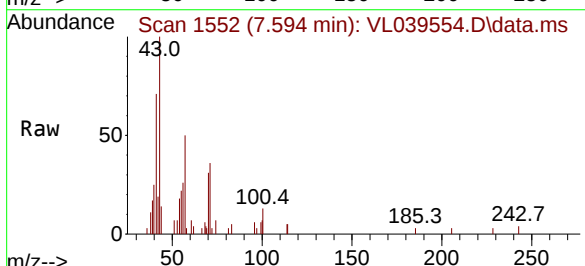
Tgt Ion: 41 Resp: 4202
Ion Ratio Lower Upper
41 100
42 48.2 55.4 83.0

Manual Integrations
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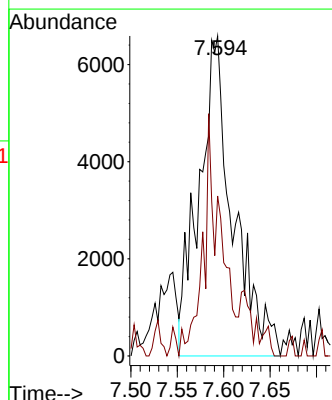
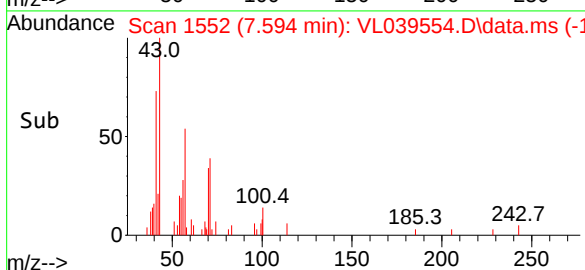
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022

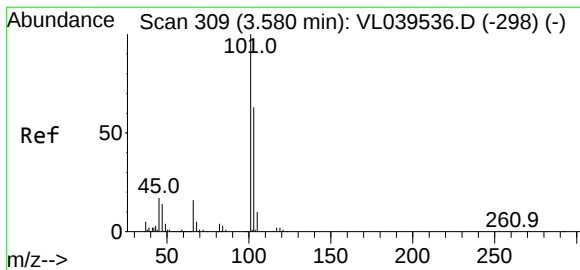


#10
Heptane
Concen: 0.131 ppbv m
RT: 7.594 min Scan# 1552
Delta R.T. 0.007 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57



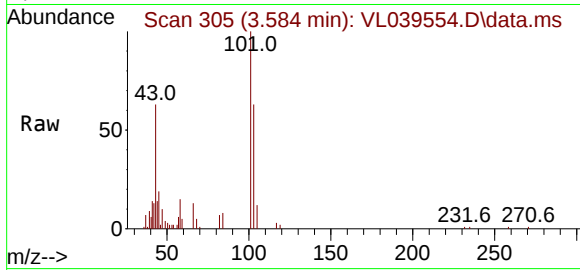
Tgt Ion: 43 Resp: 16808
Ion Ratio Lower Upper
43 100
57 46.9 39.8 59.6





#11
 Trichlorofluoromethane
 Concen: 0.203 ppbv
 RT: 3.584 min Scan# 309
 Delta R.T. 0.004 min
 Lab File: VL039554.D
 Acq: 17 Aug 2022 18:57

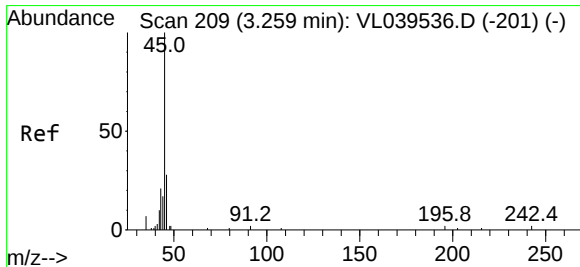
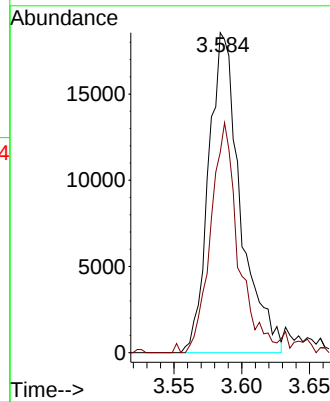
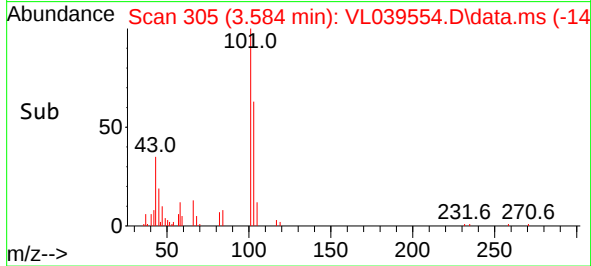
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion:101 Resp: 3032
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.6 76.0

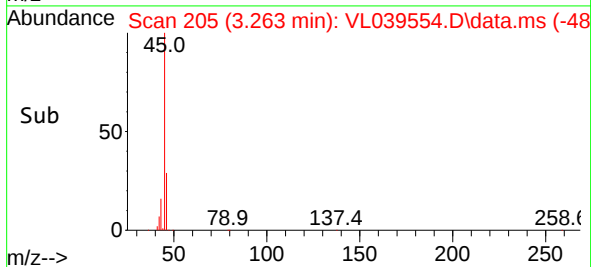
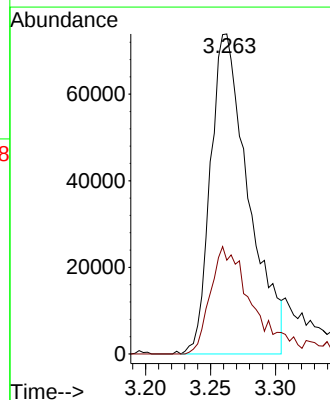
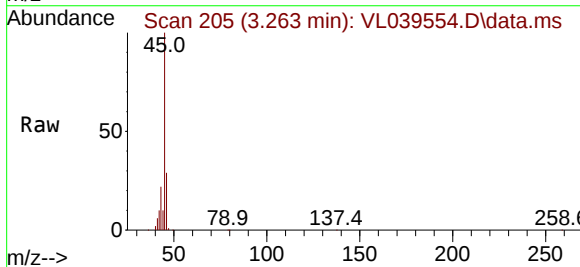
Manual Integrations
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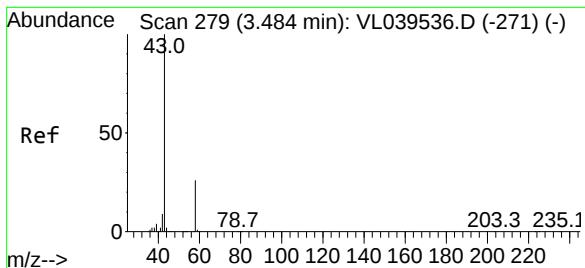
Reviewed By :Semsettin Yesilyurt 08/18/2022
 Supervised By :Mahesh Dadoda 08/19/2022



#13
 Ethanol
 Concen: 37.952 ppbv
 RT: 3.263 min Scan# 205
 Delta R.T. 0.004 min
 Lab File: VL039554.D
 Acq: 17 Aug 2022 18:57

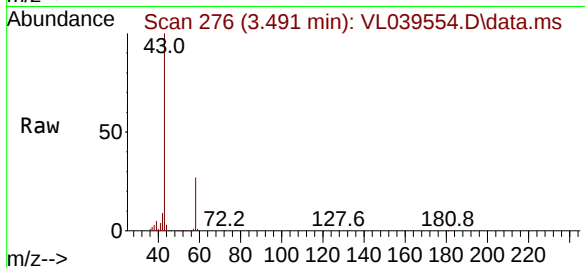
Tgt Ion: 45 Resp: 150615
 Ion Ratio Lower Upper
 45 100
 46 38.7 19.3 77.1





#15
Acetone
Concen: 6.182 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

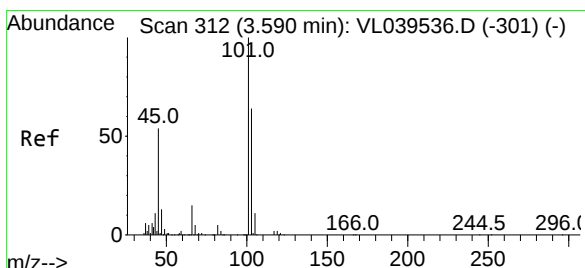
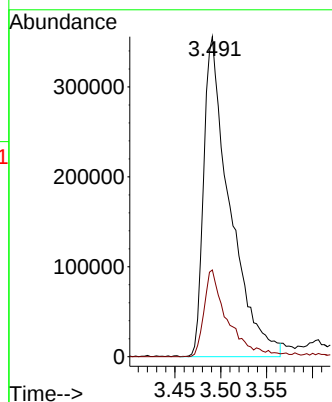
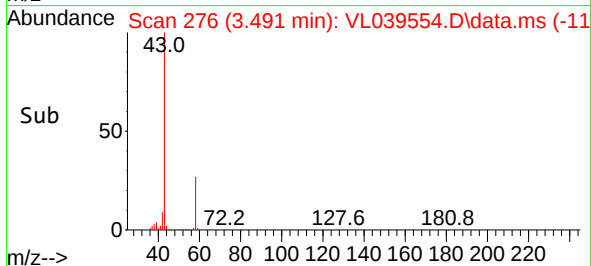
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 705399
Ion Ratio Lower Upper
43 100
58 26.0 20.7 31.1

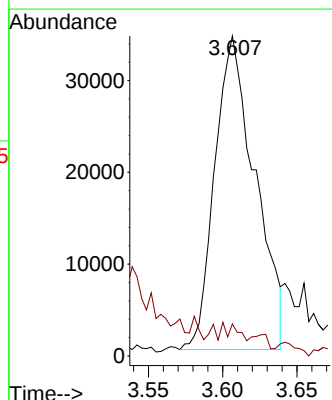
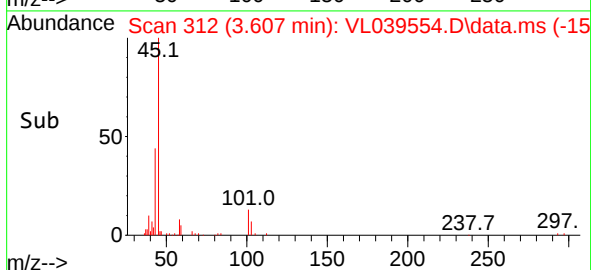
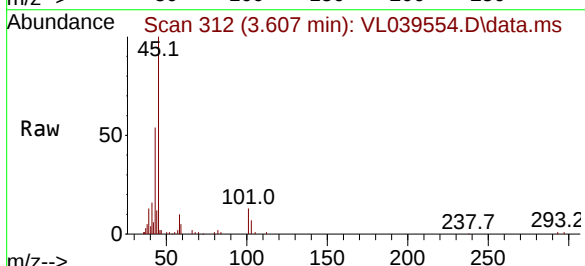
Manual Integrations
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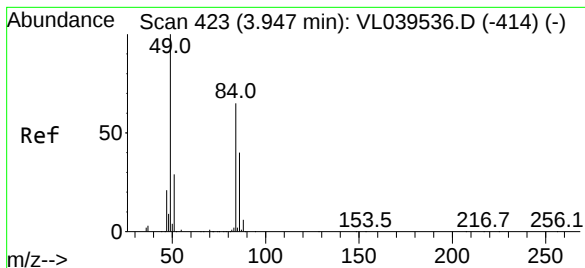
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#19
Isopropyl Alcohol
Concen: 1.157 ppbv
RT: 3.607 min Scan# 312
Delta R.T. 0.017 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

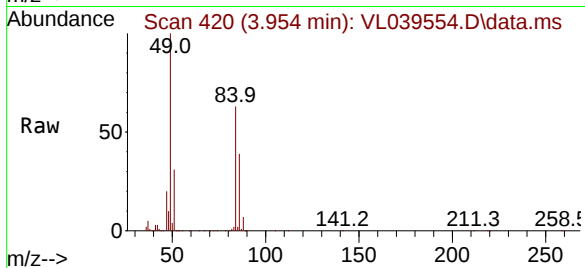
Tgt Ion: 45 Resp: 64508
Ion Ratio Lower Upper
45 100
58 284.1 0.0 0.0#





#20
Methylene Chloride
Concen: 12.354 ppbv
RT: 3.954 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

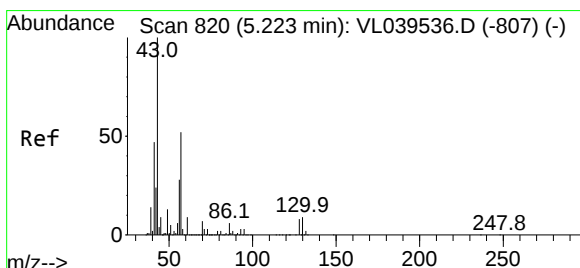
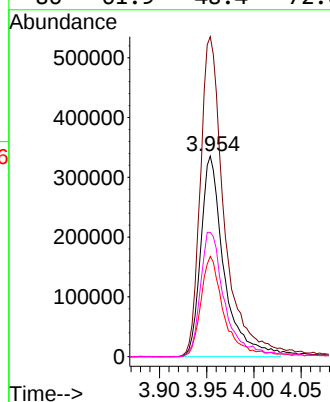
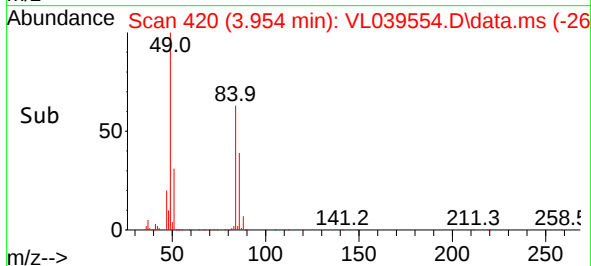
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 573964
Ion Ratio Lower Upper
84 100
49 159.5 122.2 183.4
51 49.7 35.8 53.6
86 61.9 48.4 72.6

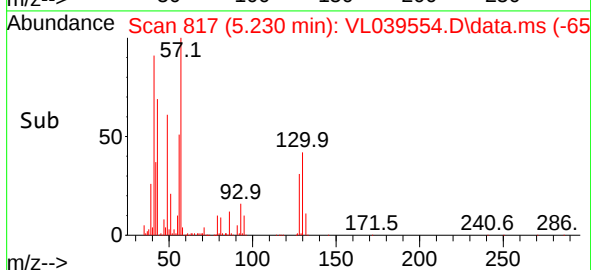
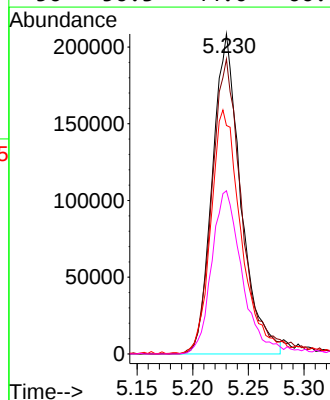
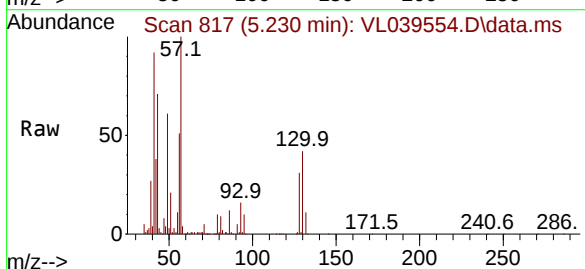
Manual Integrations
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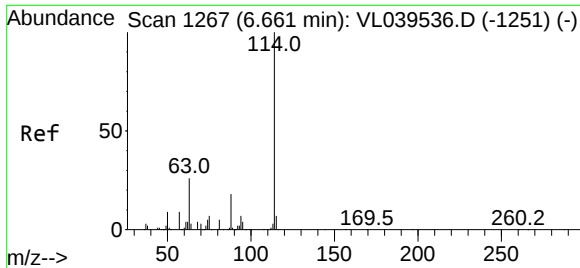
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#26
Hexane
Concen: 3.715 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.007 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 57 Resp: 370631
Ion Ratio Lower Upper
57 100
41 99.9 79.4 119.2
43 83.5 199.7 299.5#
56 56.3 44.0 66.0





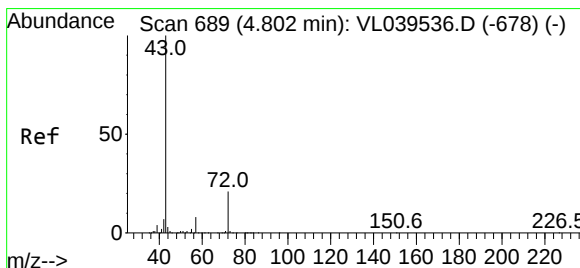
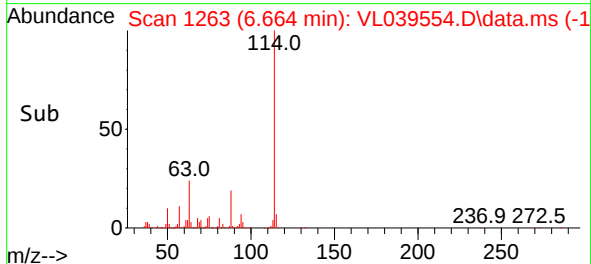
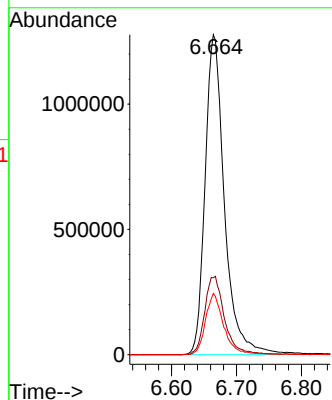
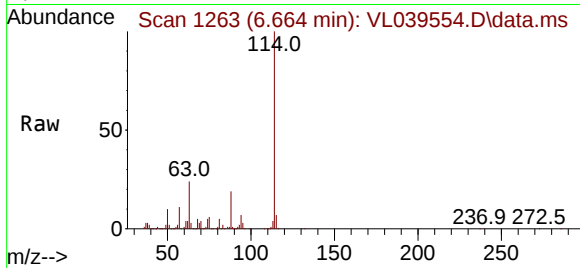
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 114
Delta R.T. 0.004 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:114 Resp: 264181
Ion Ratio Lower Upper
114 100
63 25.2 20.6 31.0
88 18.4 14.6 22.0

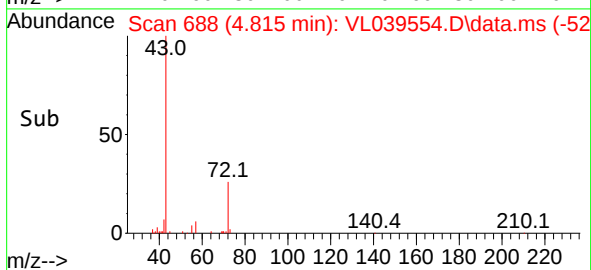
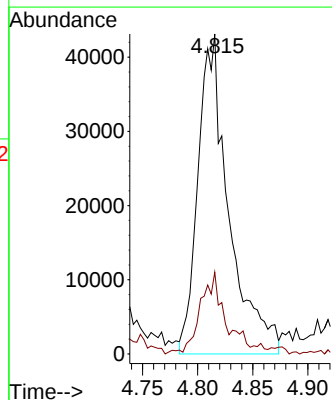
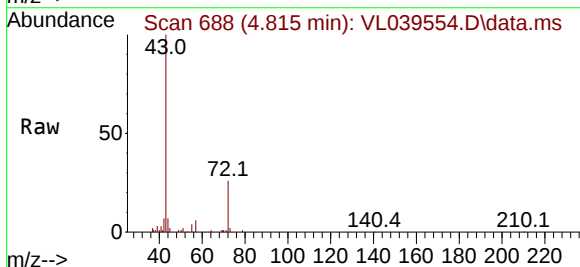
Manual Integrations
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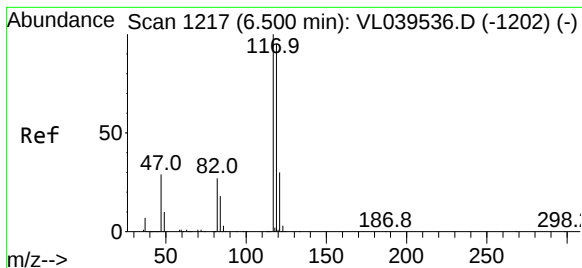
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#34
2-Butanone
Concen: 0.631 ppbv m
RT: 4.815 min Scan# 688
Delta R.T. 0.013 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

Tgt Ion: 43 Resp: 83761
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.0#





#35

Carbon Tetrachloride

Concen: 0.065 ppbv m

RT: 6.500 min Scan# 1174

Delta R.T. 0.001 min

Lab File: VL039554.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA_L

ClientSampleId :

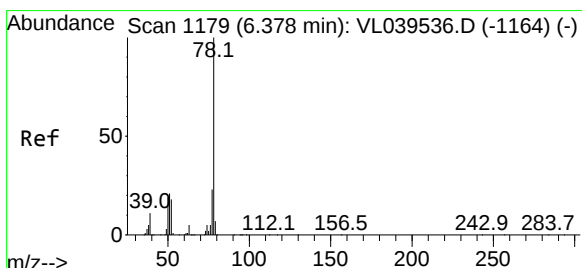
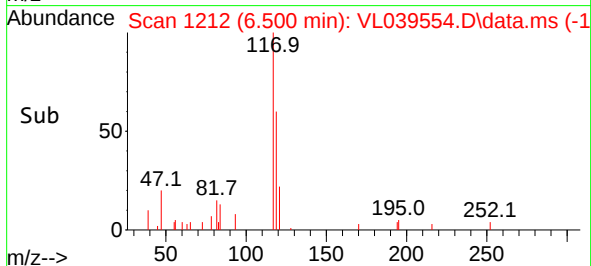
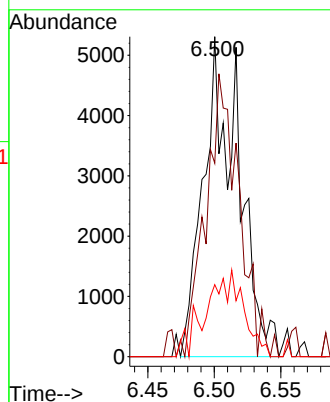
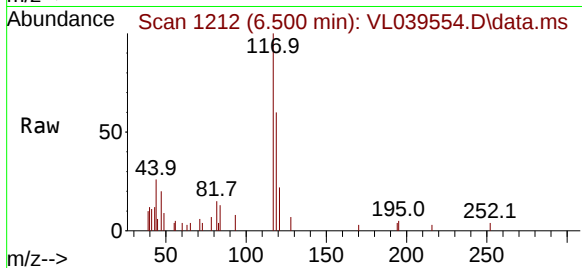
OA1

Tgt Ion:	117	Resp:	9594
Ion	Ratio	Lower	Upper
117	100		
119	60.4	76.2	114.4
121	22.5	24.4	36.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022



#36

Benzene

Concen: 0.135 ppbv m

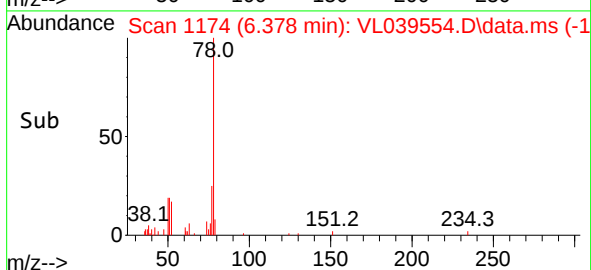
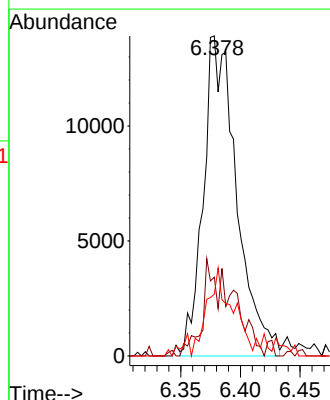
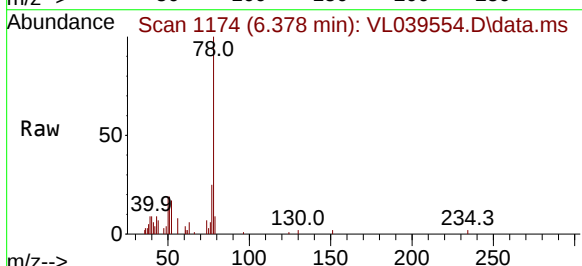
RT: 6.378 min Scan# 1174

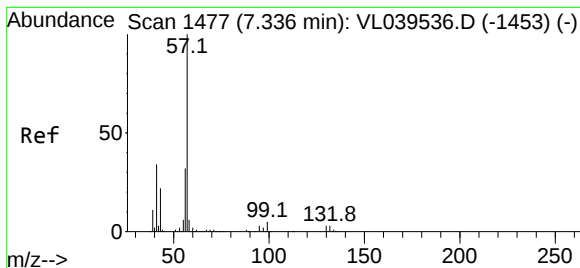
Delta R.T. 0.001 min

Lab File: VL039554.D

Acq: 17 Aug 2022 18:57

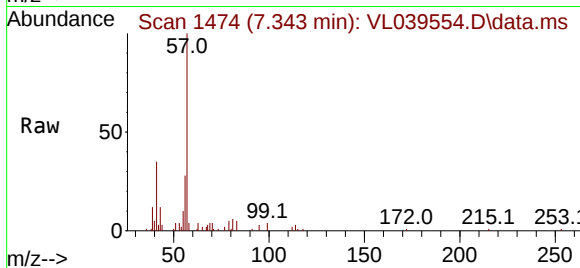
Tgt Ion:	78	Resp:	27123
Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	27.8
50	19.3	15.0	22.4





#44
2,2,4-Trimethylpentane
Concen: 0.136 ppbv m
RT: 7.343 min Scan# 1477
Delta R.T. 0.007 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57

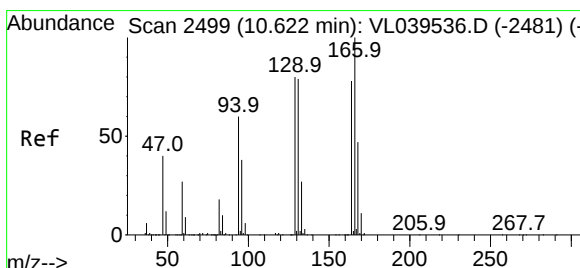
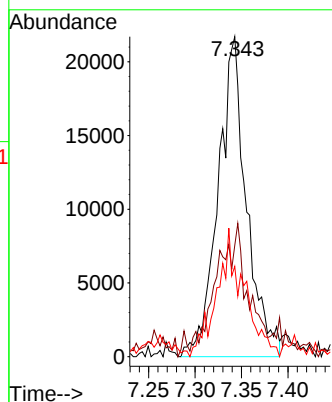
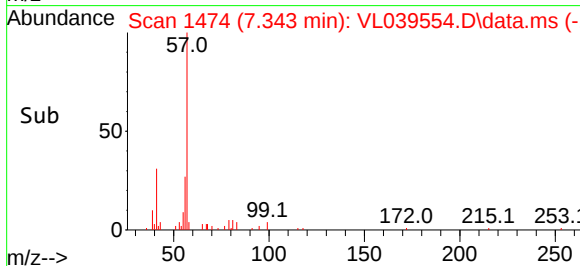
Instrument :
MSVOA_L
ClientSampleId :
OA1



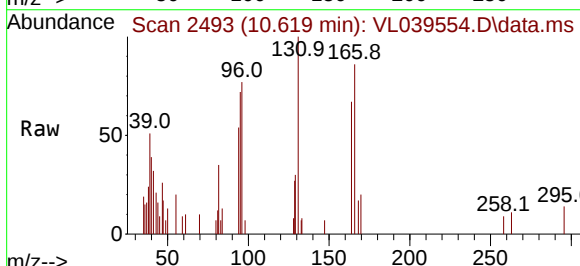
Tgt Ion: 57 Resp: 4598
Ion Ratio Lower Upper
57 100
41 54.5 27.8 41.6
56 38.3 25.5 38.3

Manual Integrations
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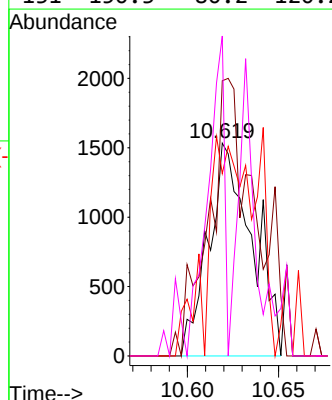
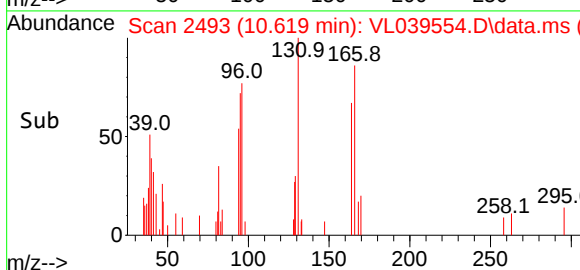
Reviewed By :Semsettin Yesilyurt 08/18/2022
Supervised By :Mahesh Dadoda 08/19/2022

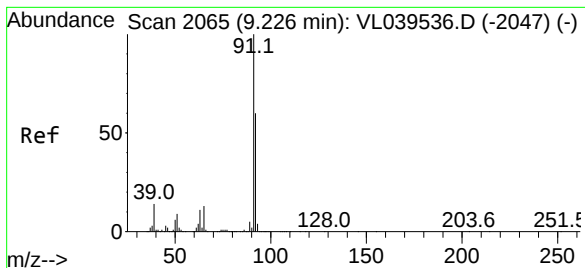


#52
Tetrachloroethene
Concen: 0.032 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.003 min
Lab File: VL039554.D
Acq: 17 Aug 2022 18:57



Tgt Ion:164 Resp: 2548
Ion Ratio Lower Upper
164 100
166 129.3 102.0 153.0
129 45.8 81.7 122.5#
131 150.3 80.2 120.2#





#53

Toluene

Concen: 0.431 ppbv

RT: 9.230 min Scan# 2065

Delta R.T. 0.004 min

Lab File: VL039554.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 91 Resp: 97164

Ion Ratio Lower Upper

91 100

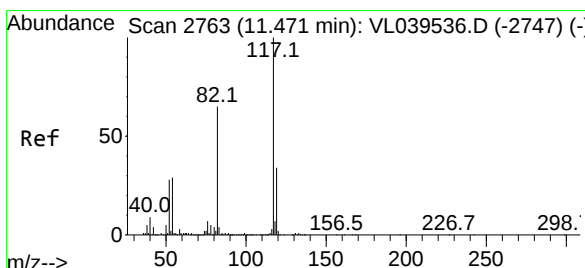
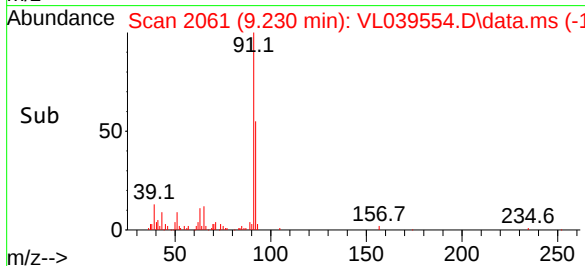
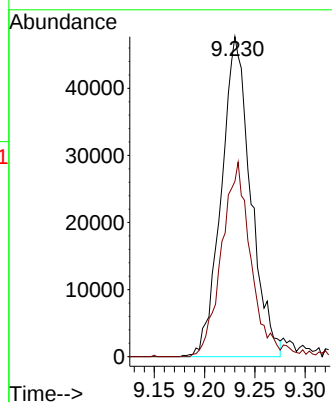
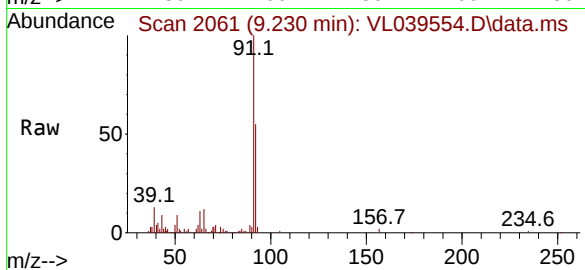
92 61.3 47.9 71.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/18/2022

Supervised By :Mahesh Dadoda 08/19/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 2759

Delta R.T. 0.004 min

Lab File: VL039554.D

Acq: 17 Aug 2022 18:57

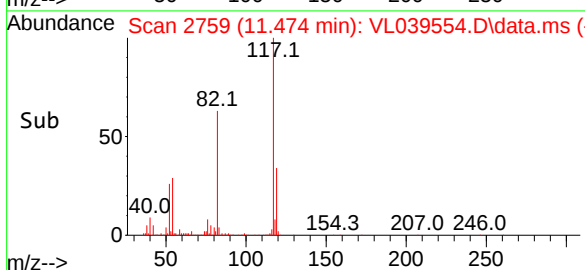
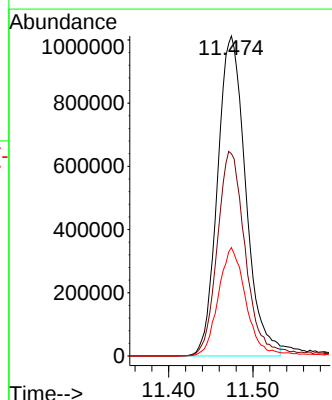
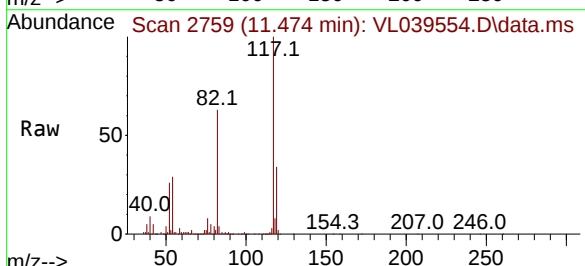
Tgt Ion:117 Resp: 2348378

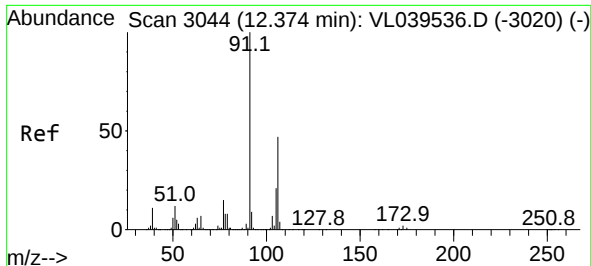
Ion Ratio Lower Upper

117 100

82 65.3 49.1 73.7

119 33.9 25.9 38.9





#59

m/p-Xylene

Concen: 0.154 ppbv m

RT: 12.349 min Scan# 3044

Delta R.T. -0.025 min

Lab File: VL039554.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA_L

ClientSampleId :

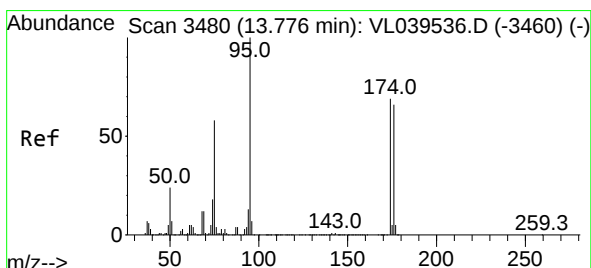
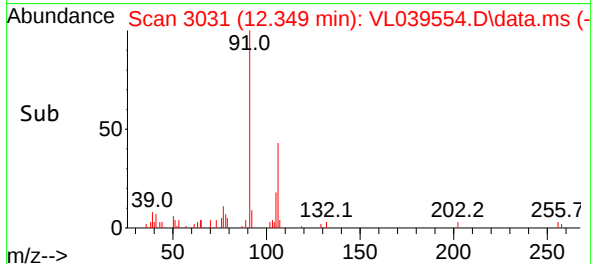
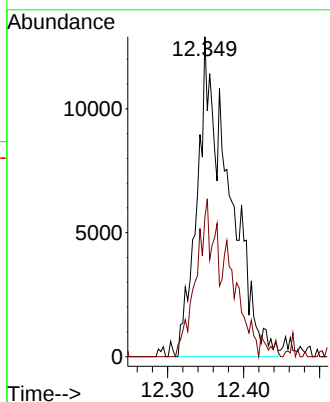
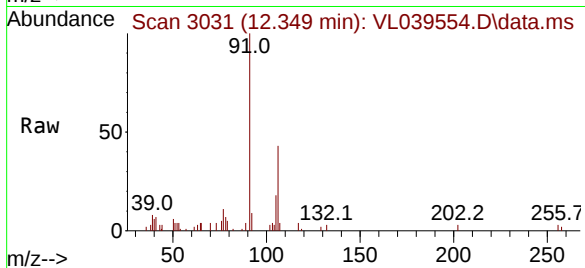
OA1

Tgt Ion: 91 Resp: 37654
 Ion Ratio Lower Upper
 91 100
 106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/18/2022
 Supervised By :Mahesh Dadoda 08/19/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.233 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. 0.007 min

Lab File: VL039554.D

Acq: 17 Aug 2022 18:57

Tgt Ion: 95 Resp: 1809004
 Ion Ratio Lower Upper
 95 100
 174 71.0 56.3 84.5
 175 5.1 4.3 6.5

