

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039587.D
 Acq On : 25 Aug 2022 21:03
 Operator : SY/AP
 Sample : N4351-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: Aug 26 06:26:25 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 06:26:25 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	988686	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2479512	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2233955	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1668638	9.901	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	1675606	12.736	ppbv	99
3) Chlorodifluoromethane	2.693	51	13055027	110.829	ppbv	94
4) Chloromethane	2.832	50	32482	0.458	ppbv	92
11) Trichlorofluoromethane	3.584	101	39052	0.270	ppbv	88
13) Ethanol	3.259	45	254904	65.805	ppbv	77
15) Acetone	3.484	43	2504388	22.613	ppbv	99
19) Isopropyl Alcohol	3.603	45	153634	2.852	ppbv #	88
20) Methylene Chloride	3.954	84	1540277	34.233	ppbv	98
26) Hexane	5.227	57	1126412	11.646	ppbv #	40
29) Chloroform	5.288	83	65945m	0.436	ppbv	
34) 2-Butanone	4.806	43	122120	0.991	ppbv	96
35) Carbon Tetrachloride	6.504	117	10019m	0.075	ppbv	
36) Benzene	6.381	78	25844m	0.137	ppbv	
41) Tetrahydrofuran	5.578	42	24758m	0.336	ppbv	
51) 2-Hexanone	9.571	43	27919m	0.198	ppbv	
52) Tetrachloroethene	10.613	164	2496m	0.035	ppbv	
53) Toluene	9.224	91	145856	0.690	ppbv	97
59) m/p-Xylene	12.339	91	29264m	0.127	ppbv	

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

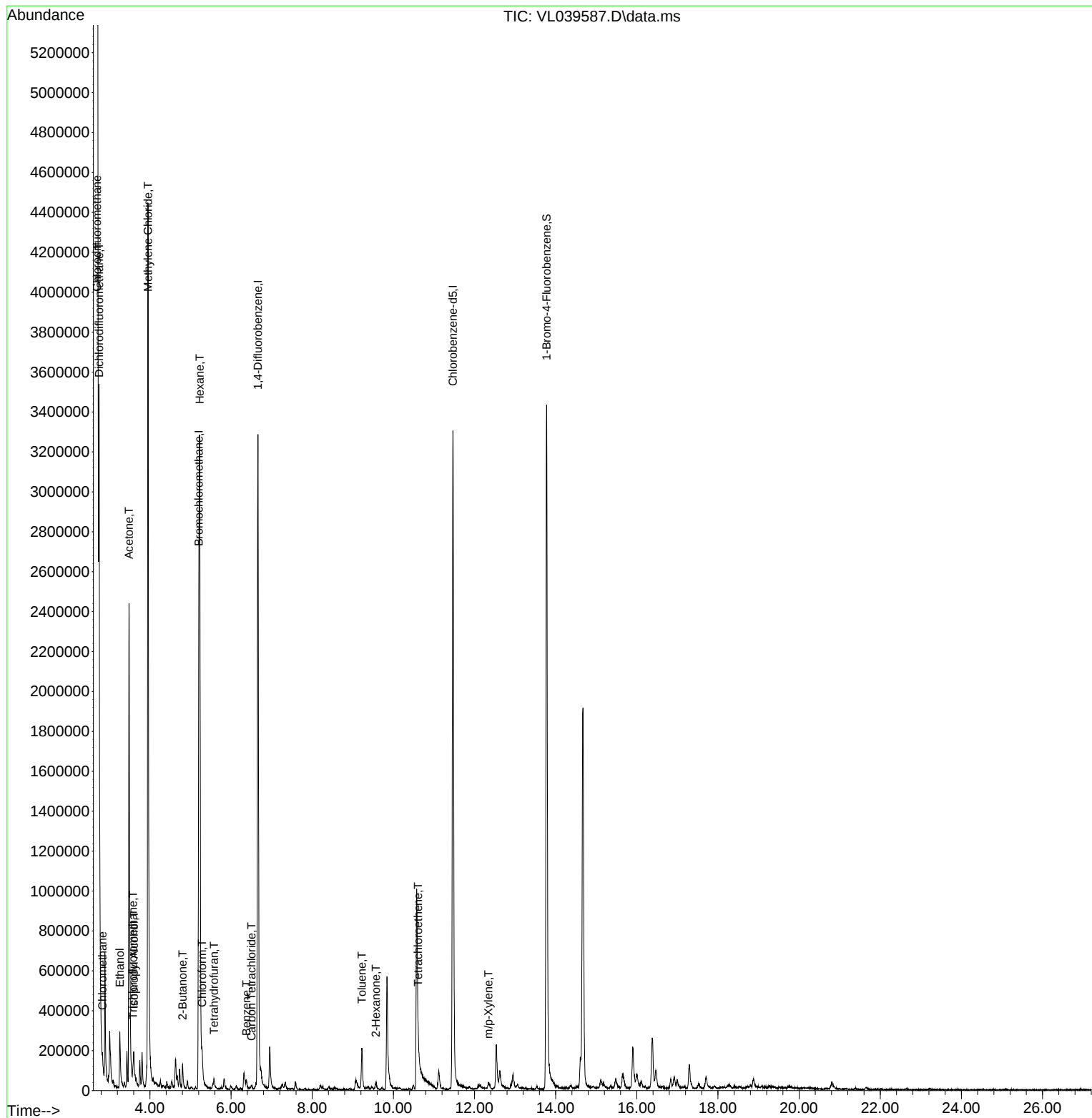
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
Data File : VL039587.D
Acq On : 25 Aug 2022 21:03
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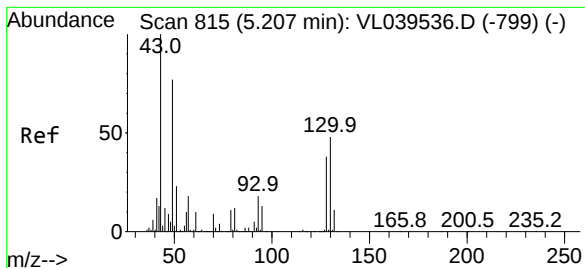
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Aug 26 06:26:25 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
APPROVED

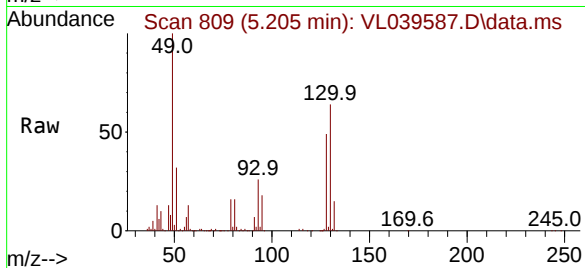
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.205 min Scan# 809
 Delta R.T. -0.003 min
 Lab File: VL039587.D
 Acq: 25 Aug 2022 21:03

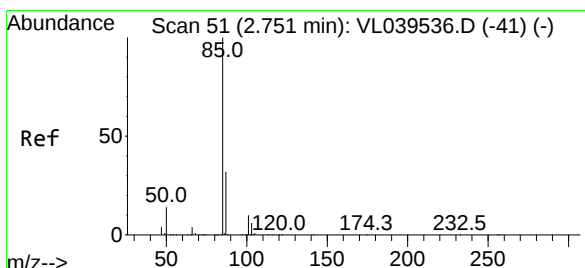
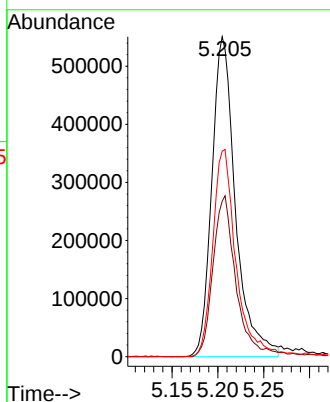
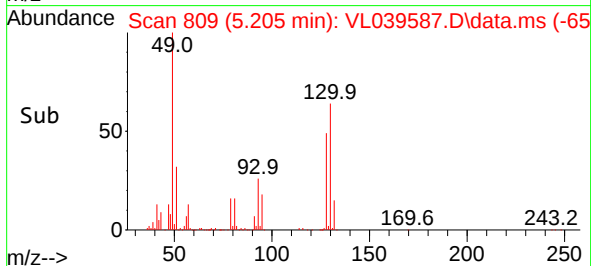
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 49 Resp: 988680
 Ion Ratio Lower Upper
 49 100
 128 50.2 26.7 80.0
 130 65.4 34.3 102.8

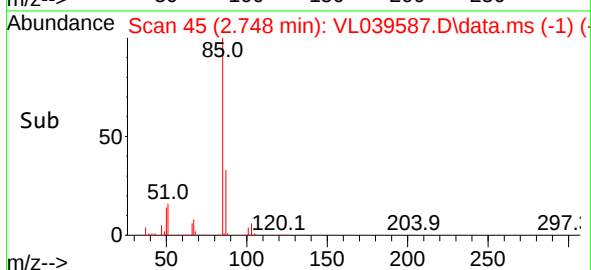
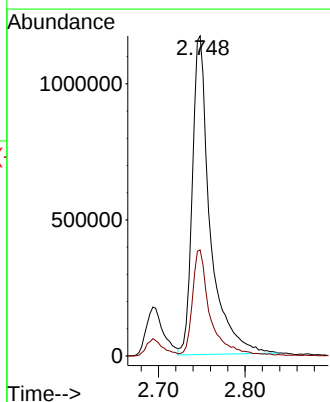
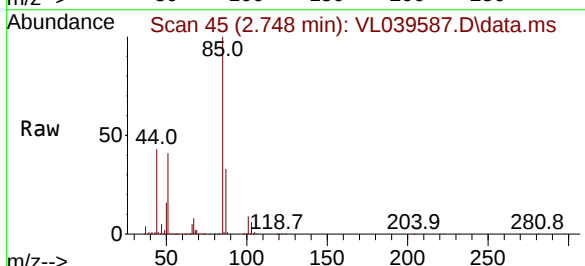
Manual Integrations
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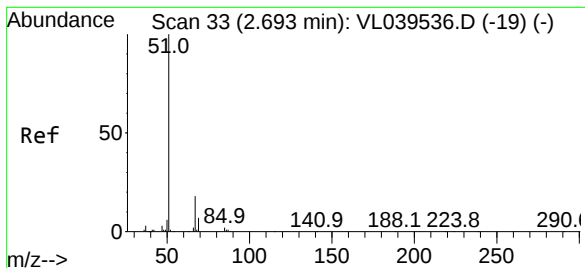
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#2
 Dichlorodifluoromethane
 Concen: 12.736 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. -0.003 min
 Lab File: VL039587.D
 Acq: 25 Aug 2022 21:03

Tgt Ion: 85 Resp: 1675606
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.7 40.1





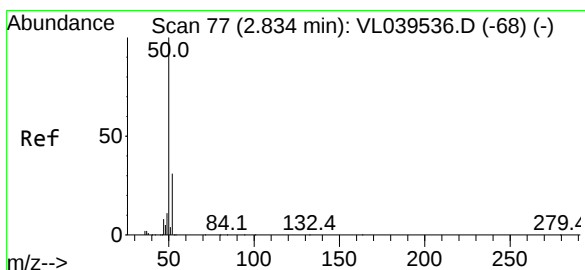
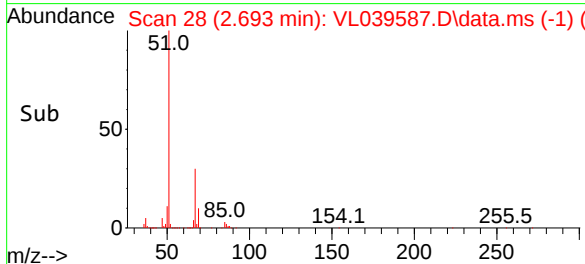
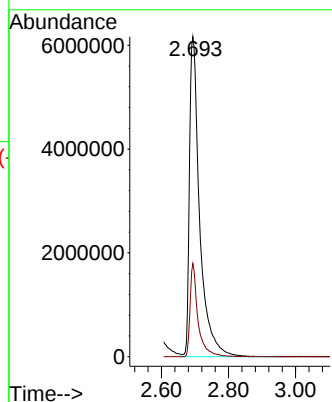
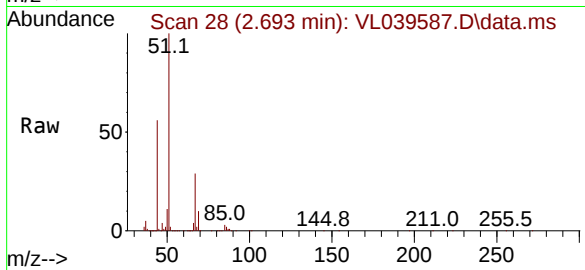
#3
Chlorodifluoromethane
Concen: 110.829 ppbv
RT: 2.693 min Scan# 21
Delta R.T. 0.001 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp:1305502
Ion Ratio Lower Upper
51 100
67 22.5 15.7 23.5

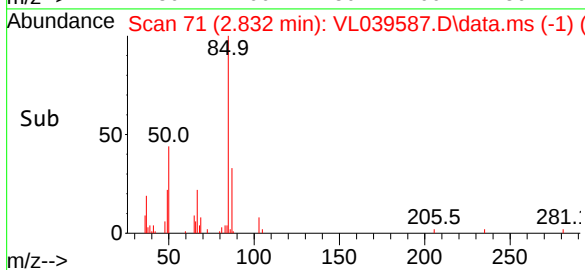
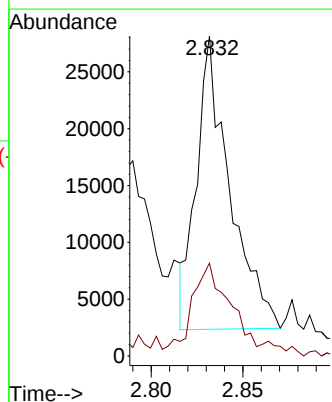
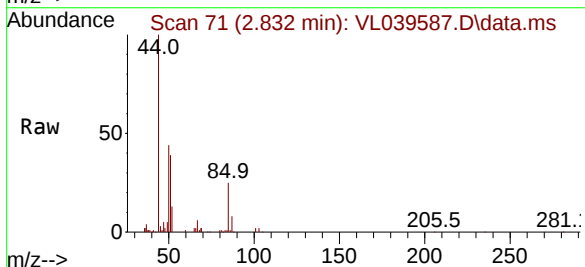
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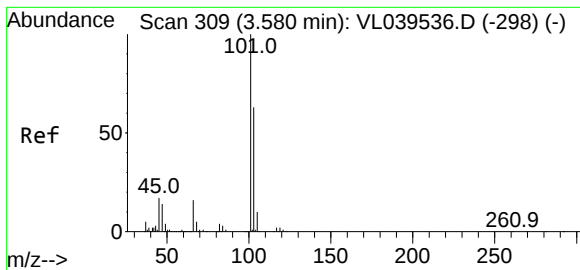
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#4
Chloromethane
Concen: 0.458 ppbv
RT: 2.832 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

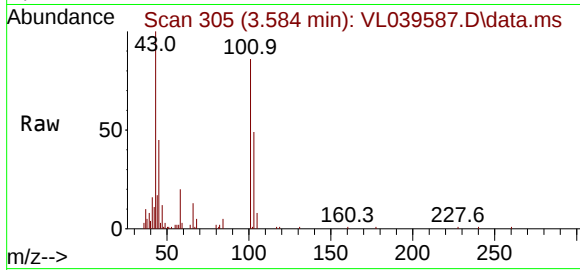
Tgt Ion: 50 Resp: 32482
Ion Ratio Lower Upper
50 100
52 28.4 26.5 39.7





#11
Trichlorofluoromethane
Concen: 0.270 ppbv
RT: 3.584 min Scan# 309
Delta R.T. 0.004 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

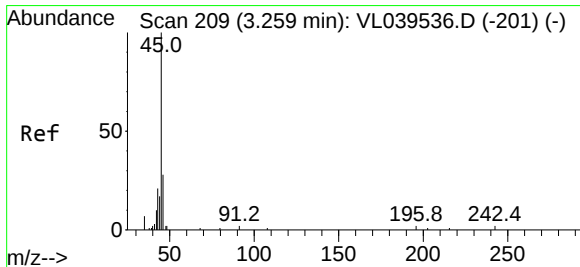
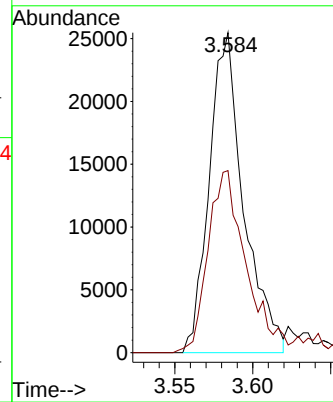
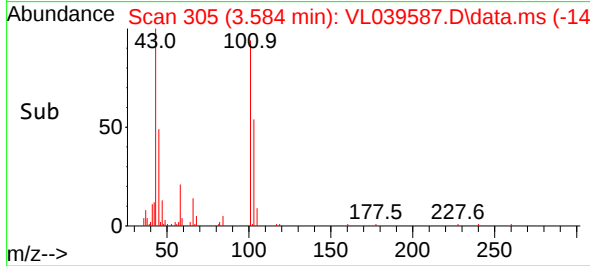
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:101 Resp: 39052
Ion Ratio Lower Upper
101 100
103 55.6 51.8 77.8

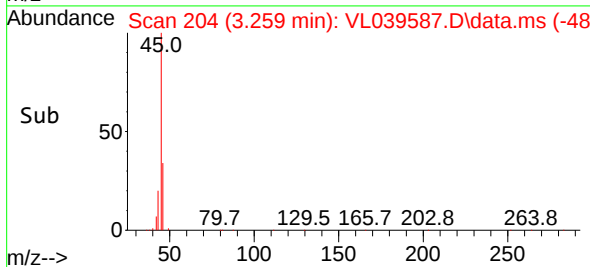
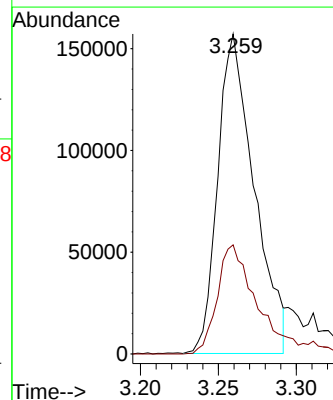
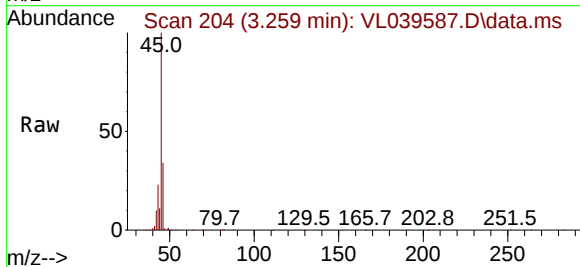
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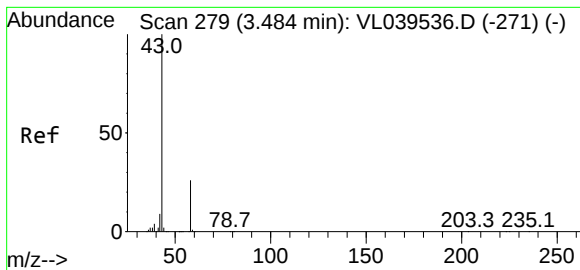
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#13
Ethanol
Concen: 65.805 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.001 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

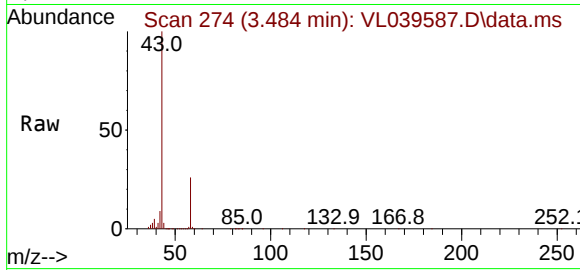
Tgt Ion: 45 Resp: 254904
Ion Ratio Lower Upper
45 100
46 40.3 22.8 91.2





#15
Acetone
Concen: 22.613 ppbv
RT: 3.484 min Scan# 279
Delta R.T. 0.001 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

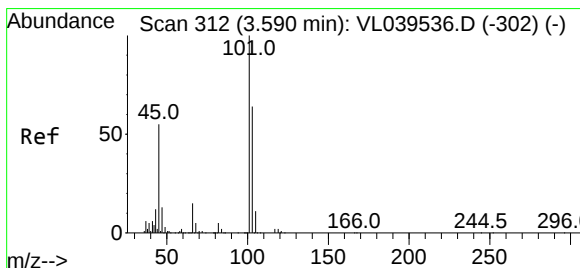
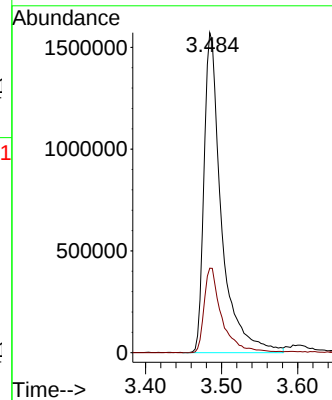
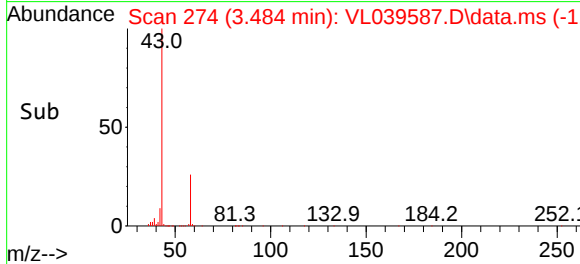
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 250438
Ion Ratio Lower Upper
43 100
58 26.9 21.0 31.6

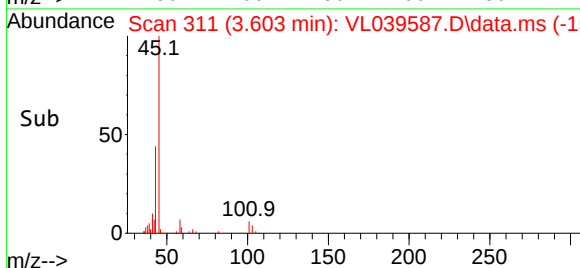
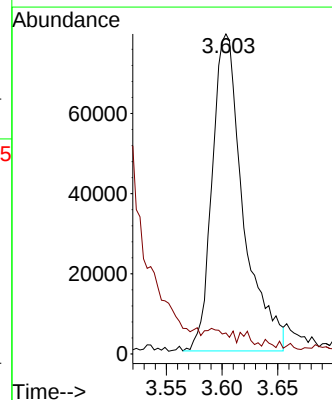
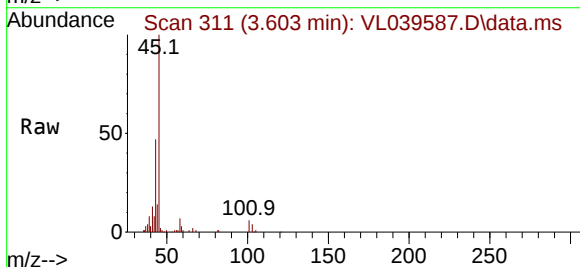
Manual Integrations
APPROVED

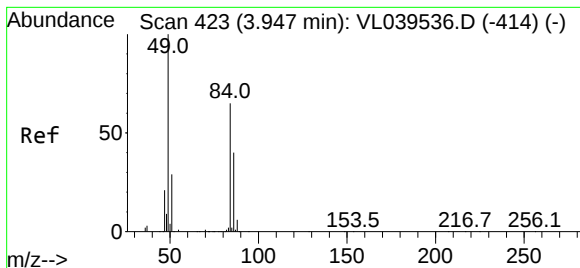
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#19
Isopropyl Alcohol
Concen: 2.852 ppbv
RT: 3.603 min Scan# 311
Delta R.T. 0.014 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

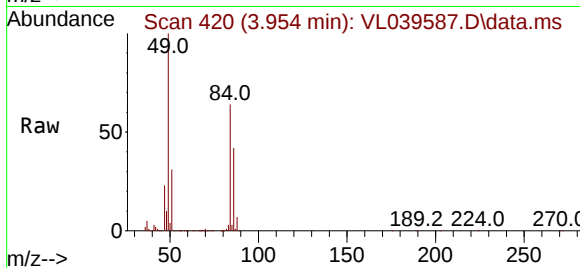
Tgt Ion: 45 Resp: 153634
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8#





#20
Methylene Chloride
Concen: 34.233 ppbv
RT: 3.954 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

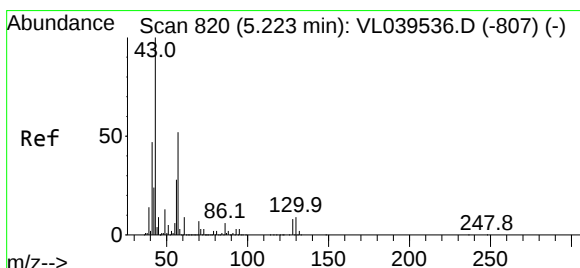
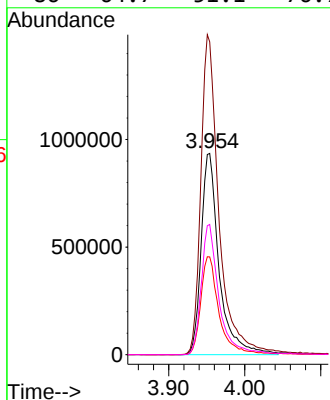
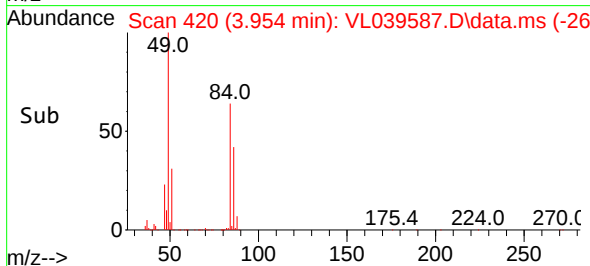


Tgt Ion: 84 Resp: 154027

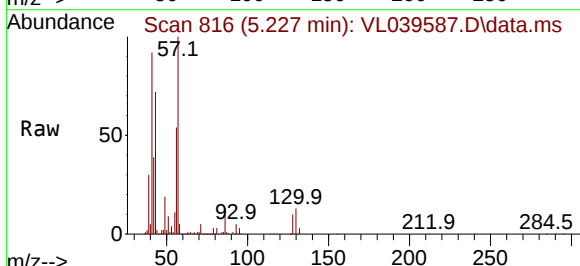
Ion	Ratio	Lower	Upper
84	100		
49	155.3	123.1	184.7
51	48.5	34.4	51.6
86	64.7	51.1	76.7

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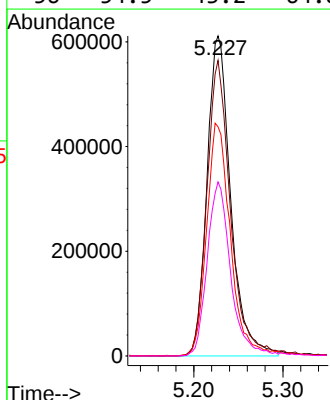
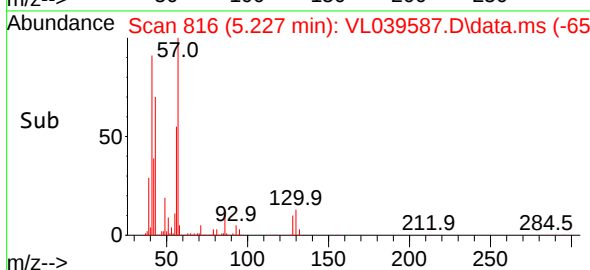


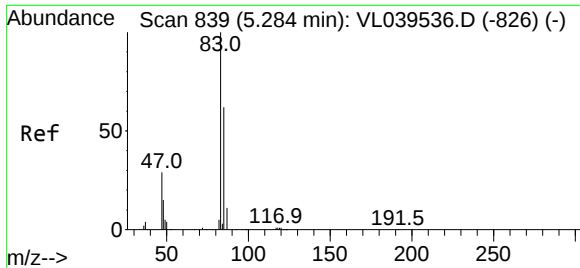
#26
Hexane
Concen: 11.646 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.004 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03



Tgt Ion: 57 Resp: 1126412

Ion	Ratio	Lower	Upper
57	100		
41	93.3	76.9	115.3
43	74.5	191.0	286.6#
56	54.5	43.2	64.8





#29

Chloroform

Concen: 0.436 ppbv m

RT: 5.288 min Scan# 81

Delta R.T. 0.004 min

Lab File: VL039587.D

Acq: 25 Aug 2022 21:03

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 83 Resp: 6594

Ion Ratio Lower Upper

83 100

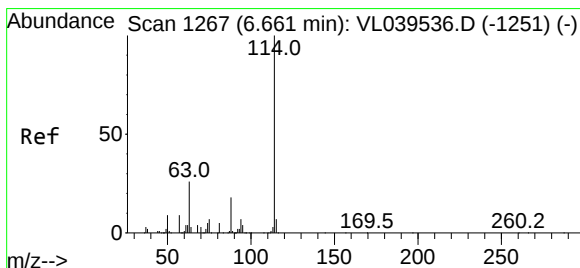
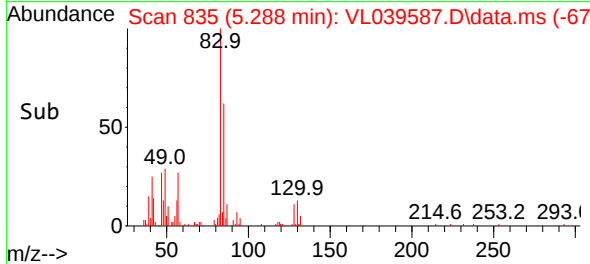
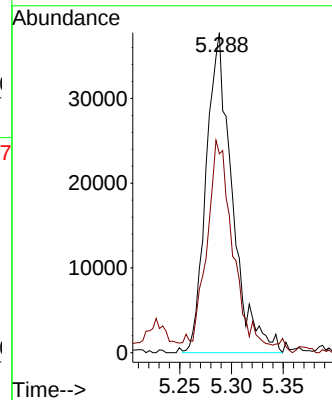
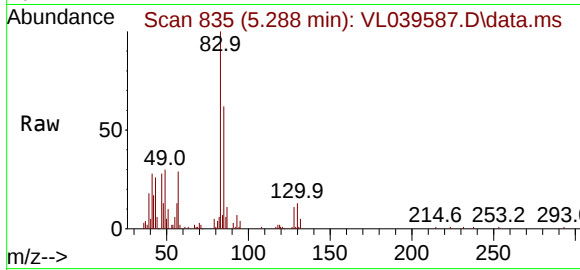
85 62.2 52.8 79.2

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1262

Delta R.T. 0.001 min

Lab File: VL039587.D

Acq: 25 Aug 2022 21:03

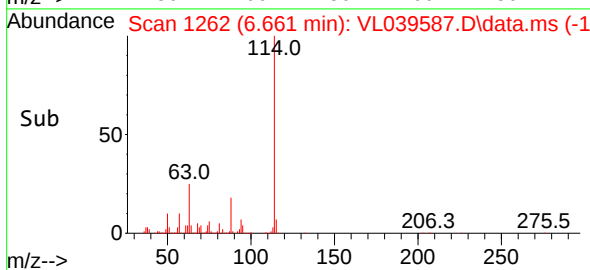
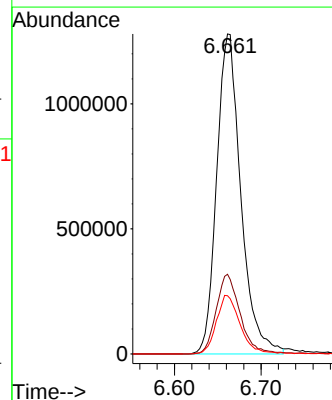
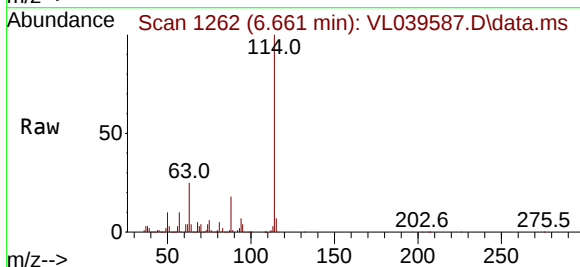
Tgt Ion:114 Resp: 2479512

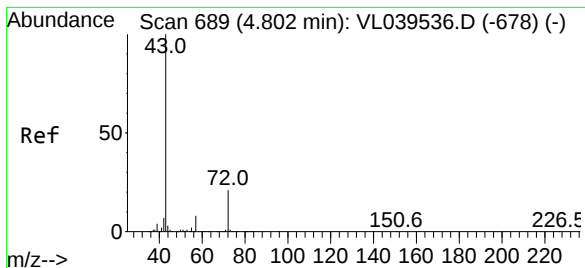
Ion Ratio Lower Upper

114 100

63 24.9 20.2 30.4

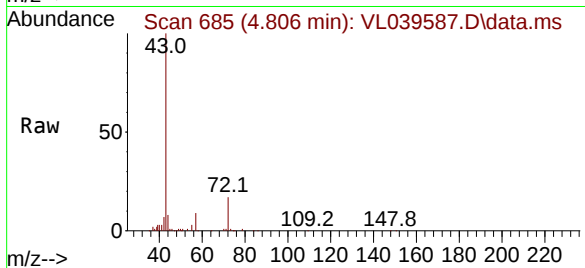
88 18.2 14.5 21.7





#34
2-Butanone
Concen: 0.991 ppbv
RT: 4.806 min Scan# 61
Delta R.T. 0.004 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

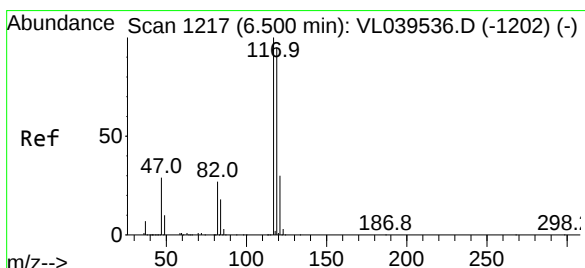
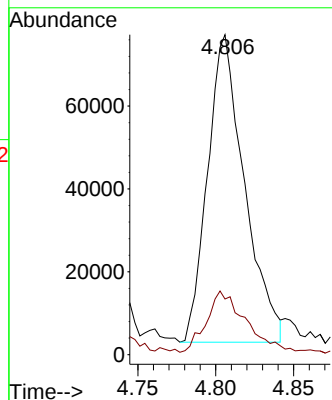
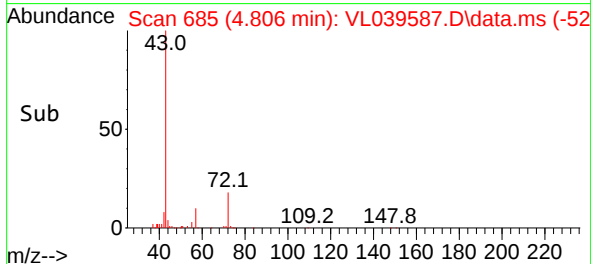
Instrument :
MSVOA_L
ClientSampleId :
IA1



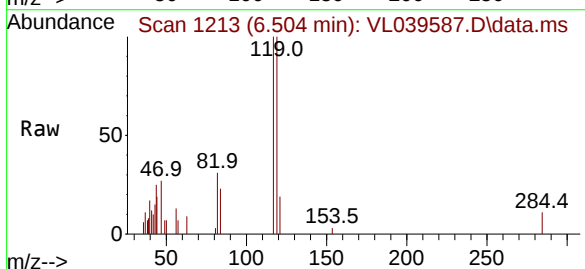
Tgt Ion: 43 Resp: 122120
Ion Ratio Lower Upper
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72 24.3 17.9 26.9

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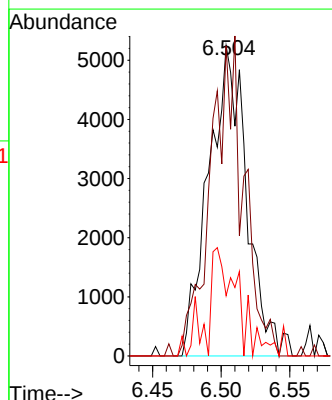
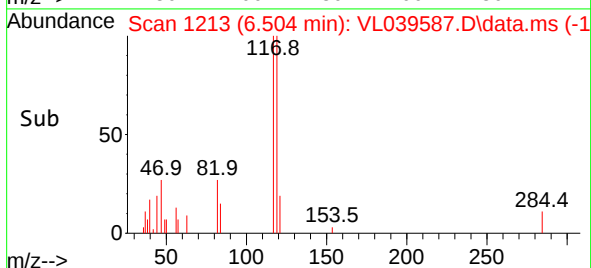
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

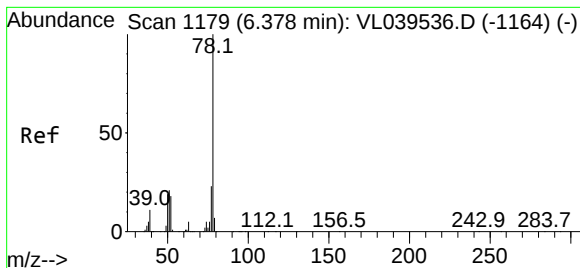


#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.504 min Scan# 1213
Delta R.T. 0.004 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03



Tgt Ion:117 Resp: 10019
Ion Ratio Lower Upper
117 100
119 99.9 75.4 113.2
121 19.4 24.2 36.2#





#36

Benzene

Concen: 0.137 ppbv m

RT: 6.381 min Scan# 1179

Delta R.T. 0.004 min

Lab File: VL039587.D

Acq: 25 Aug 2022 21:03

Instrument :

MSVOA_L

ClientSampleId :

IA1

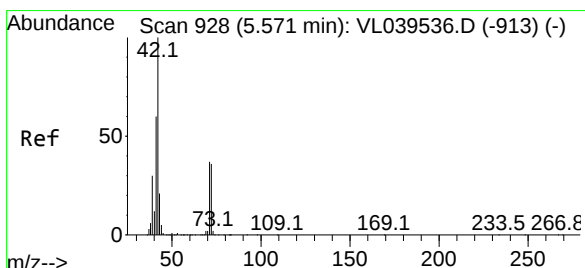
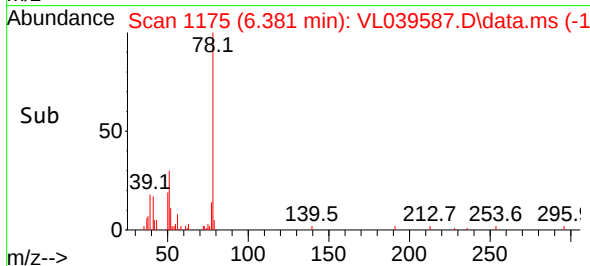
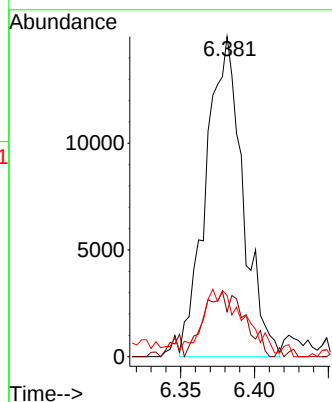
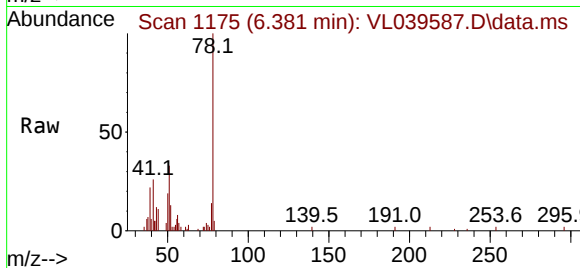
Tgt Ion: 78 Resp: 2584

Ion	Ratio	Lower	Upper
78	100		
77	14.0	20.3	30.5
50	19.2	15.5	23.3

Manual Integrations

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



#41

Tetrahydrofuran

Concen: 0.336 ppbv m

RT: 5.578 min Scan# 925

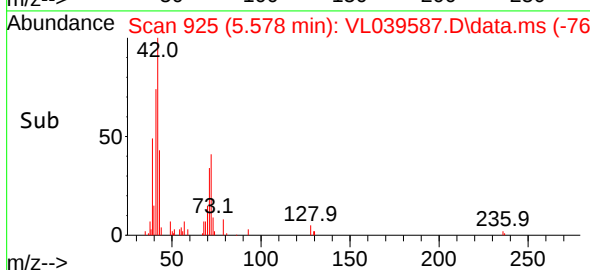
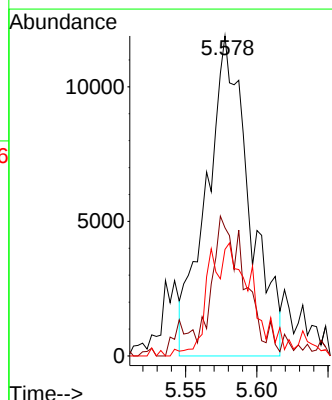
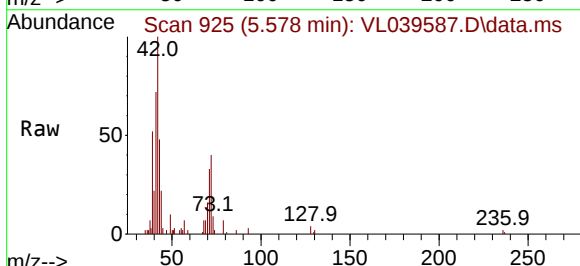
Delta R.T. 0.007 min

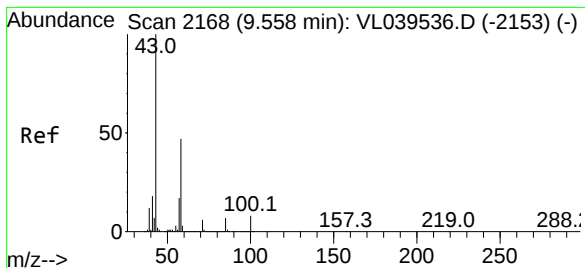
Lab File: VL039587.D

Acq: 25 Aug 2022 21:03

Tgt Ion: 42 Resp: 24758

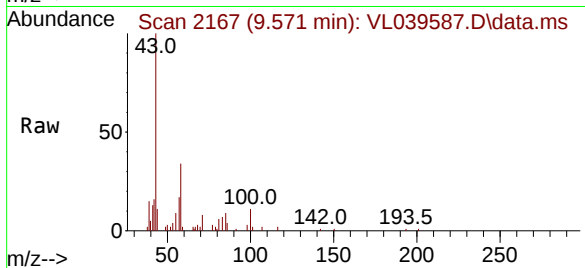
Ion	Ratio	Lower	Upper
42	100		
72	42.0	31.8	47.8
71	38.8	31.8	47.8





#51
2-Hexanone
Concen: 0.198 ppbv m
RT: 9.571 min Scan# 2167
Delta R.T. 0.014 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

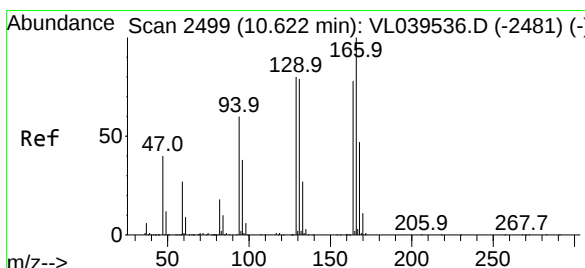
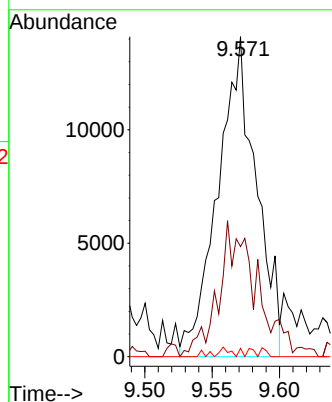
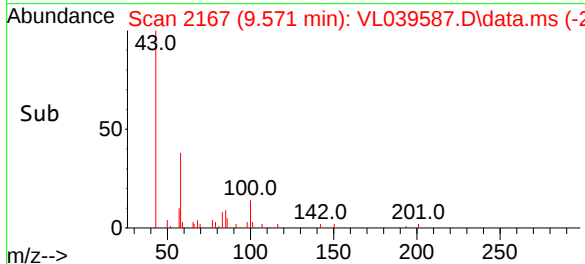
Instrument :
MSVOA_L
ClientSampleId :
IA1



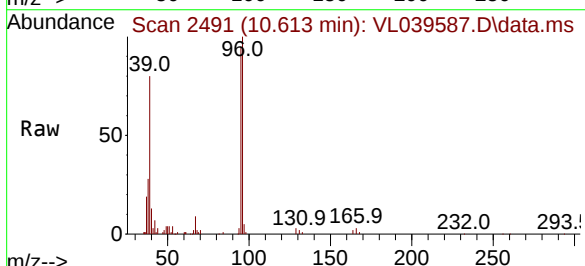
Tgt Ion: 43 Resp: 27919
Ion Ratio Lower Upper
43 100
58 43.8 38.4 57.6
98 1.9 0.3 0.5

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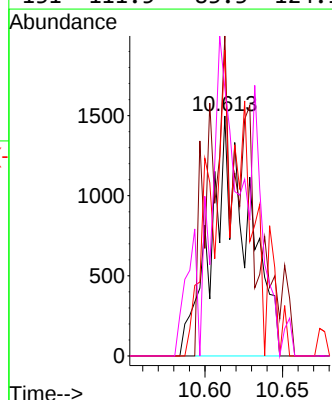
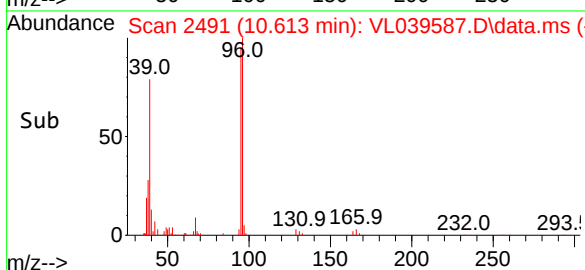
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

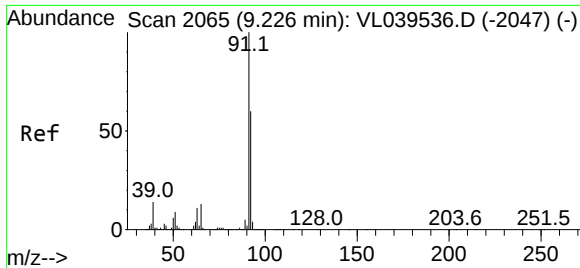


#52
Tetrachloroethene
Concen: 0.035 ppbv m
RT: 10.613 min Scan# 2491
Delta R.T. -0.009 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03



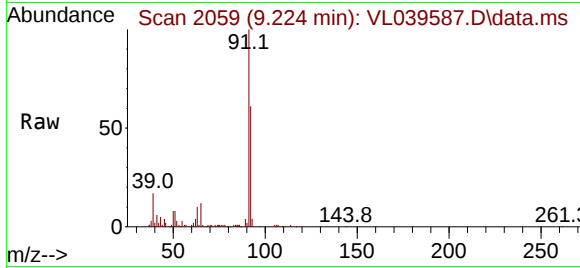
Tgt Ion:164 Resp: 2496
Ion Ratio Lower Upper
164 100
166 133.3 102.2 153.2
129 127.4 85.8 128.8
131 111.5 83.3 124.9





#53
Toluene
Concen: 0.690 ppbv
RT: 9.224 min Scan# 2065
Delta R.T. -0.003 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

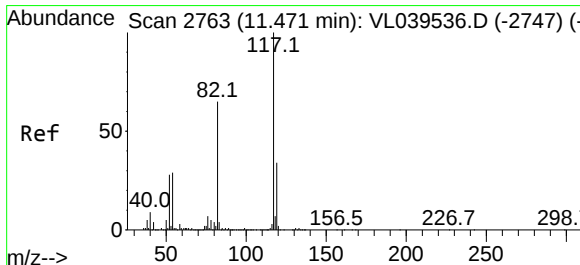
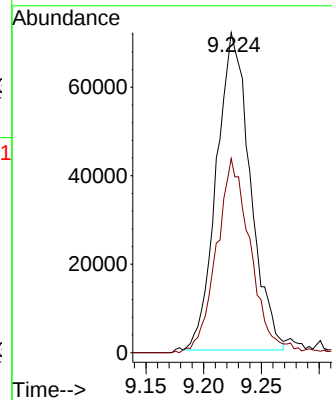
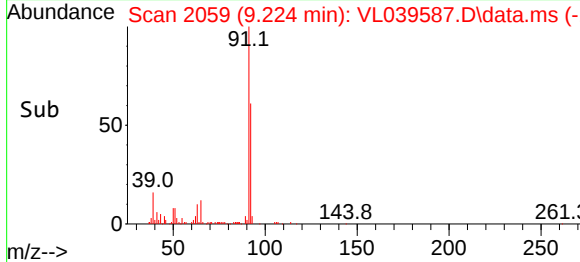
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 145850
Ion Ratio Lower Upper
91 100
92 62.2 48.2 72.2

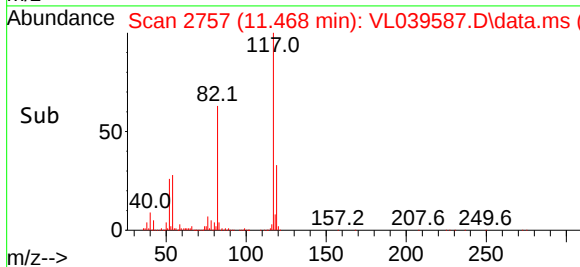
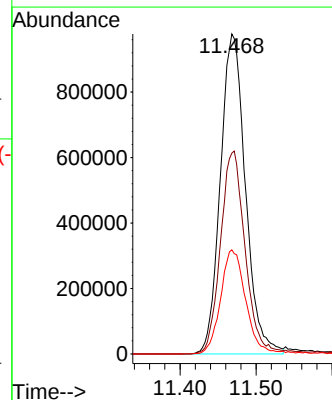
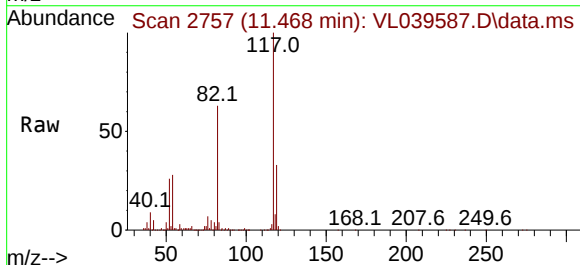
Manual Integrations
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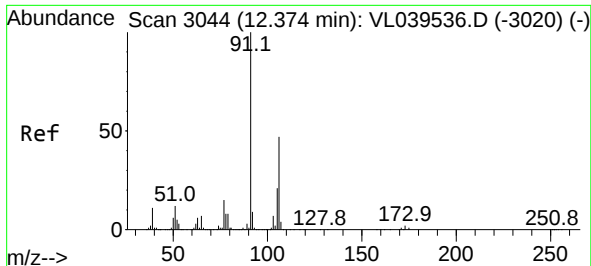
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. -0.003 min
Lab File: VL039587.D
Acq: 25 Aug 2022 21:03

Tgt Ion:117 Resp: 2233955
Ion Ratio Lower Upper
117 100
82 63.7 50.8 76.2
119 32.9 24.1 36.1





#59

m/p-Xylene

Concen: 0.127 ppbv m

RT: 12.339 min Scan# 3044

Delta R.T. -0.035 min

Lab File: VL039587.D

Acq: 25 Aug 2022 21:03

Instrument :

MSVOA_L

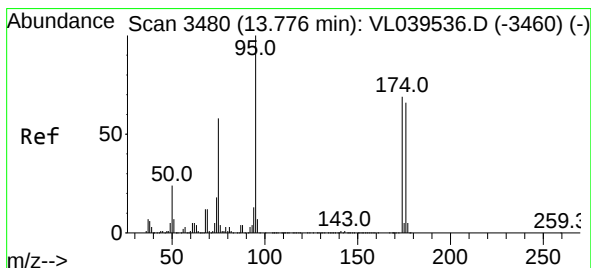
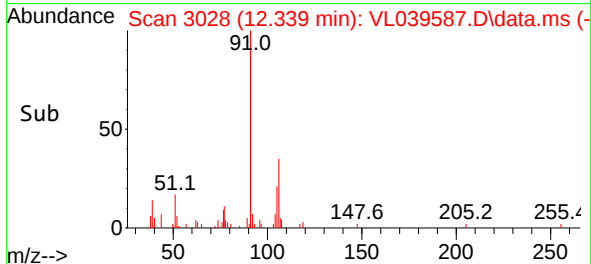
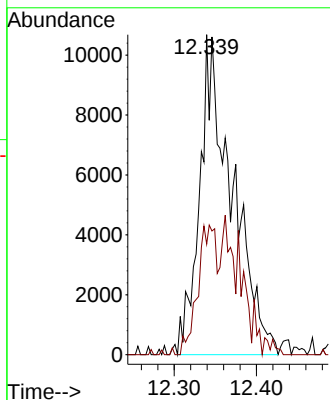
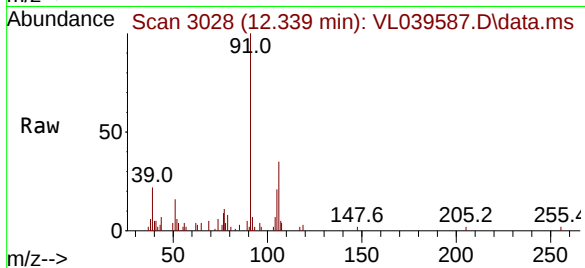
ClientSampleId :

IA1

Tgt Ion: 91 Resp: 29264
 Ion Ratio Lower Upper
 91 100
 106 0.0 35.4 53.2

Manual Integrations
 APPROVED

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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.901 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.001 min

Lab File: VL039587.D

Acq: 25 Aug 2022 21:03

Tgt Ion: 95 Resp: 1668638
 Ion Ratio Lower Upper
 95 100
 174 71.9 55.9 83.9
 175 5.4 4.2 6.4

