

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039951.D
 Acq On : 1 Dec 2022 20:59
 Operator : SY/MD
 Sample : N5826-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 H302022-EFFLUENT

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2022
 Supervised By :Mahesh Dadoda 12/05/2022

Quant Time: Dec 02 05:35:28 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 : Fri Dec 02 05:29:35 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.159	49	1094652	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.622	114	3077638	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.436	117	2736264	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2099570	10.046	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.500%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.700	85	75809	0.484	ppbv	94
4) Chloromethane	2.780	50	12619m	0.131	ppbv	
9) Propene	2.671	41	33249	0.467	ppbv	85
11) Trichlorofluoromethane	3.529	101	64775	0.339	ppbv	99
13) Ethanol	3.217	45	81252m	14.957	ppbv	
15) Acetone	3.439	43	361479	2.490	ppbv	97
19) Isopropyl Alcohol	3.558	45	77873	0.991	ppbv #	29
20) Methylene Chloride	3.902	84	466196	6.627	ppbv	97
22) trans-1,2-Dichloroethene	4.414	96	6925m	0.103	ppbv	
25) Ethyl Acetate	5.172	43	1394863	5.232	ppbv #	96
26) Hexane	5.182	57	401008m	3.444	ppbv	
29) Chloroform	5.237	83	71886	0.465	ppbv	91
30) Cyclohexane	6.565	84	13737m	0.120	ppbv	
31) cis-1,2-Dichloroethene	5.047	61	373513	3.472	ppbv	97
32) 1,1,1-Trichloroethane	5.970	97	241713	1.251	ppbv	98
34) 2-Butanone	4.764	43	57904	0.393	ppbv #	84
35) Carbon Tetrachloride	6.452	117	8234m	0.047	ppbv	
36) Benzene	6.333	78	68085	0.260	ppbv #	94
38) Trichloroethene	7.262	130	778057	5.321	ppbv	97
44) 2,2,4-Trimethylpentane	7.294	57	65659	0.150	ppbv #	84
52) Tetrachloroethene	10.584	164	884464	9.038	ppbv	96
53) Toluene	9.191	91	172031	0.577	ppbv	98
59) m/p-Xylene	12.317	91	56877m	0.183	ppbv	

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

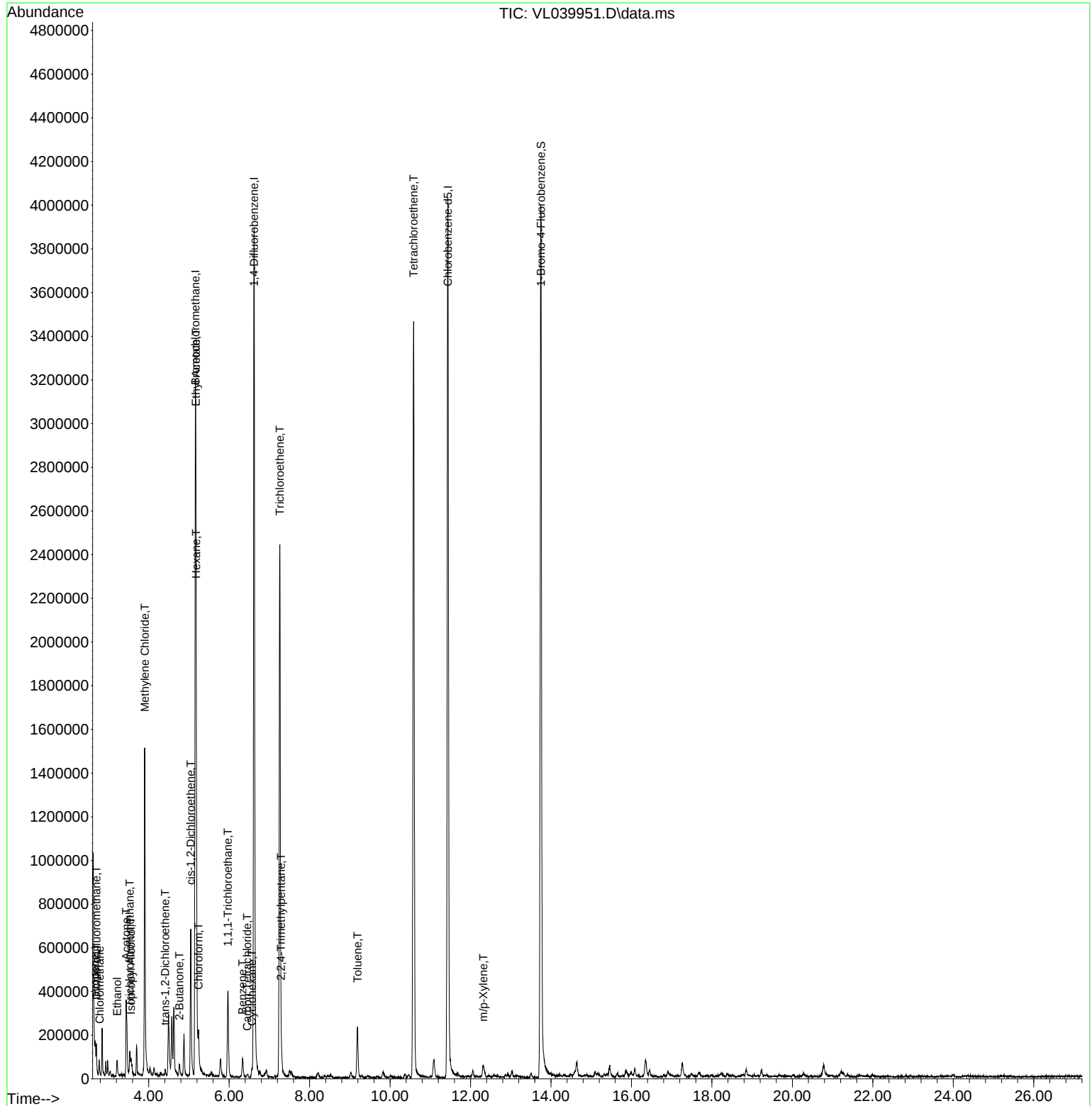
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
Data File : VL039951.D
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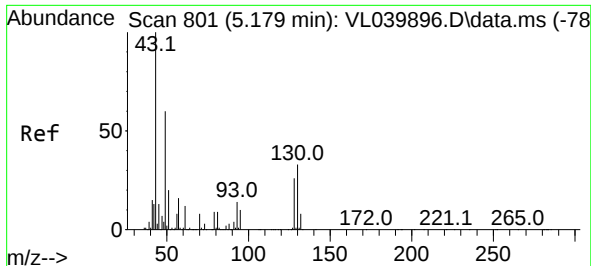
Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENT

Quant Time: Dec 02 05:35:28 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 : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

Manual Integrations
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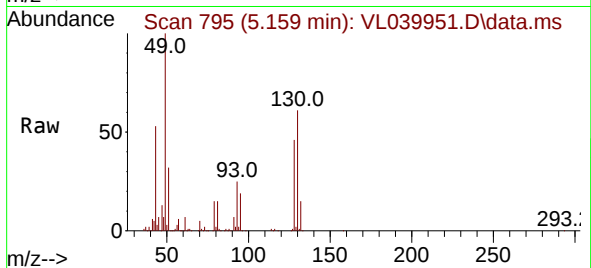
Reviewed By : Semsettin Yesilyurt 12/05/2022
Supervised By : Mahesh Dadoda 12/05/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.159 min Scan# 79
Delta R.T. -0.014 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

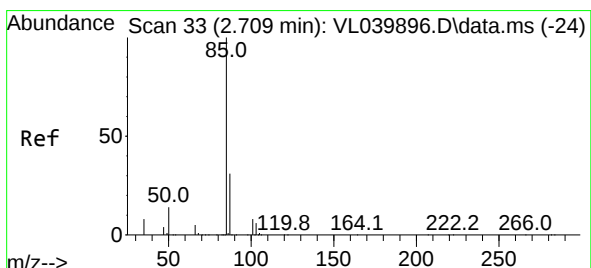
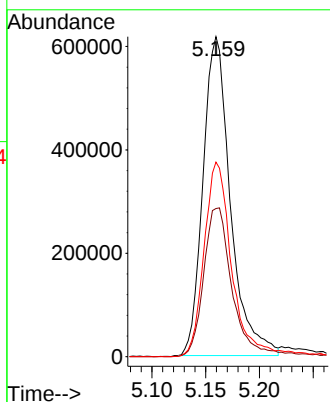
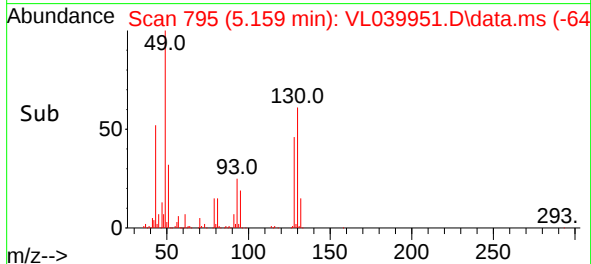
Instrument :
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H302022-EFFLUENT



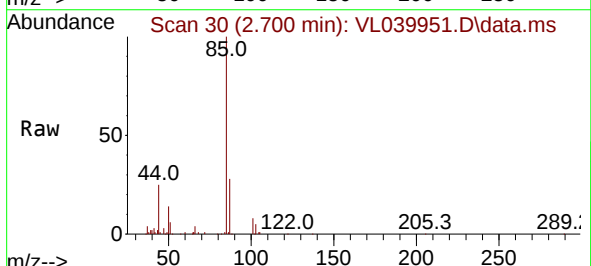
Tgt Ion: 49 Resp: 109465
Ion Ratio Lower Upper
49 100
128 49.5 22.1 66.3
130 63.2 27.7 83.1

Manual Integrations
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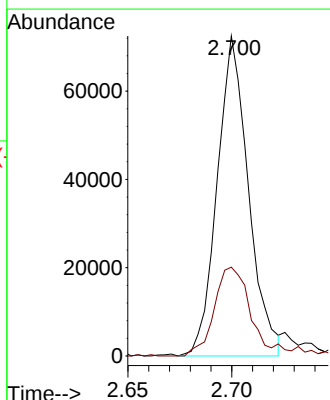
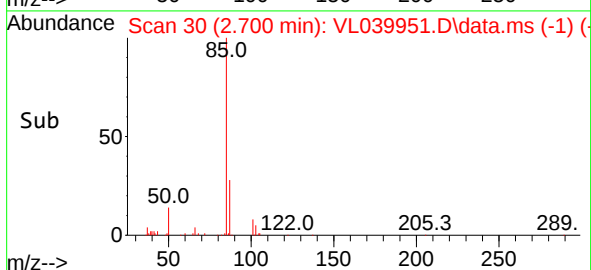
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

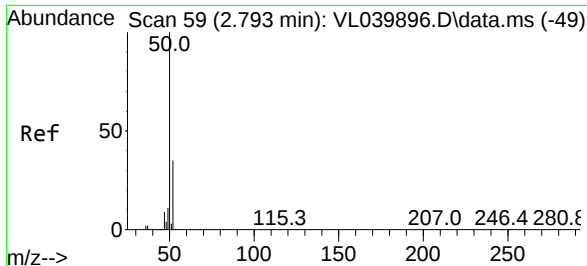


#2
Dichlorodifluoromethane
Concen: 0.484 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59



Tgt Ion: 85 Resp: 75809
Ion Ratio Lower Upper
85 100
87 27.8 25.0 37.4





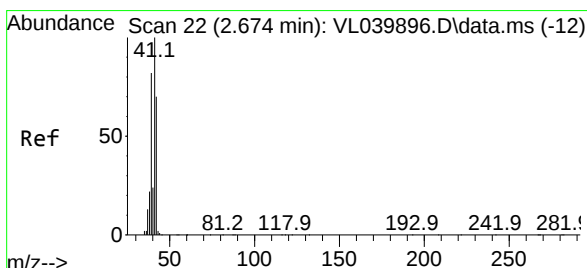
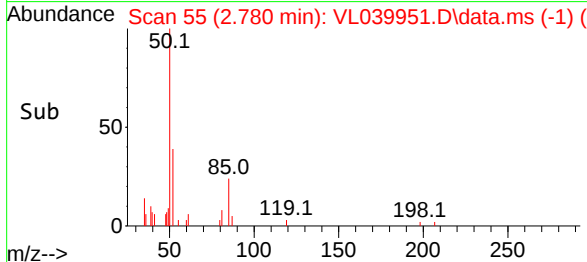
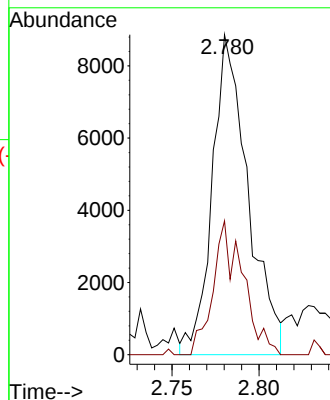
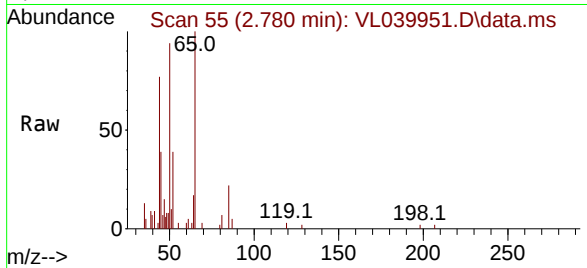
#4
Chloromethane
Concen: 0.131 ppbv m
RT: 2.780 min Scan# 50
Delta R.T. -0.010 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

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Tgt Ion: 50 Resp: 12619
Ion Ratio Lower Upper
50 100
52 41.8 27.8 41.8

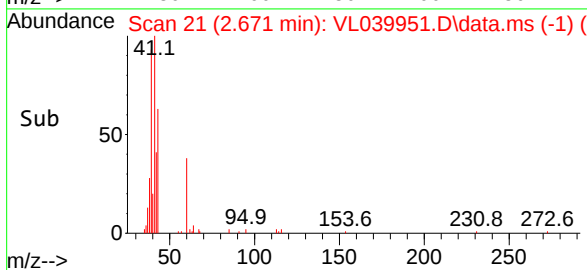
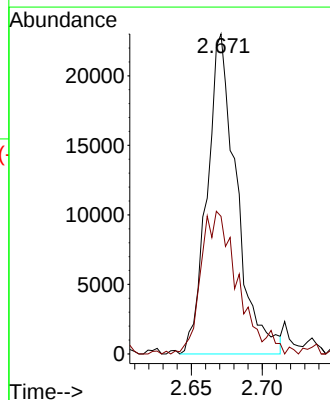
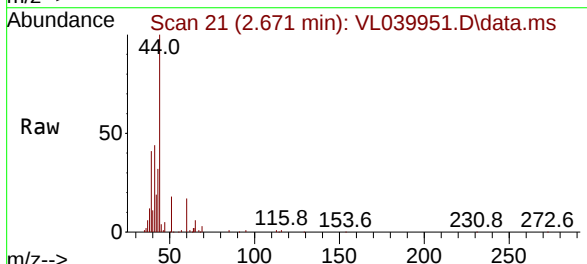
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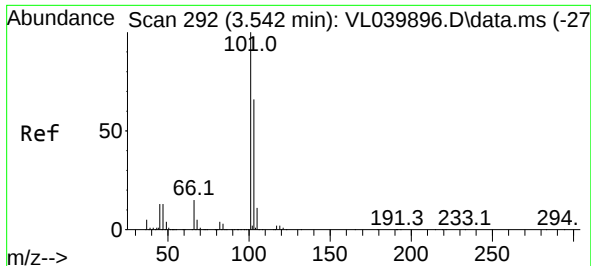
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#9
Propene
Concen: 0.467 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

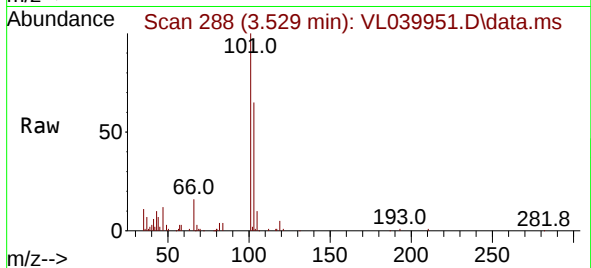
Tgt Ion: 41 Resp: 33249
Ion Ratio Lower Upper
41 100
42 57.6 55.8 83.6





#11
 Trichlorofluoromethane
 Concen: 0.339 ppbv
 RT: 3.529 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: VL039951.D
 Acq: 1 Dec 2022 20:59

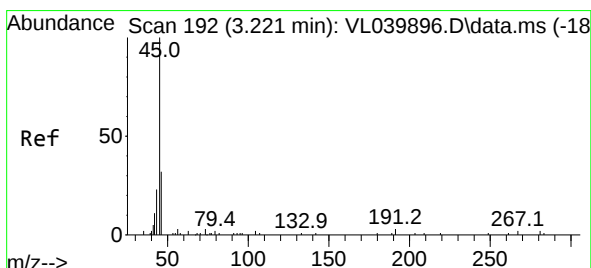
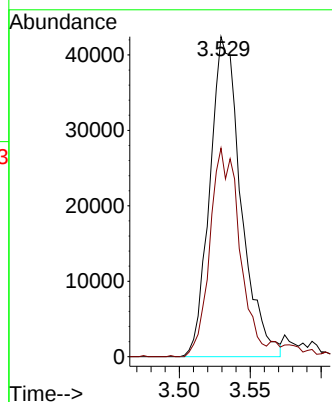
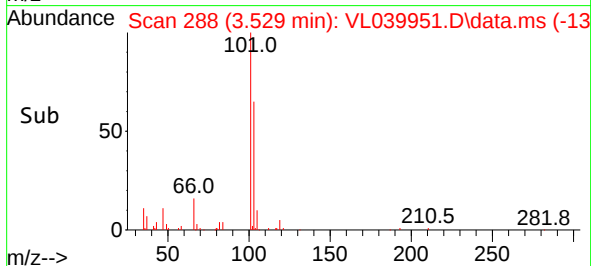
Instrument :
 MSVOA_L
 ClientSampleId :
 H302022-EFFLUENT



Tgt Ion:101 Resp: 64775
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 78.8

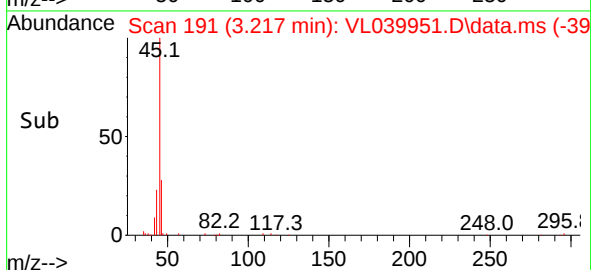
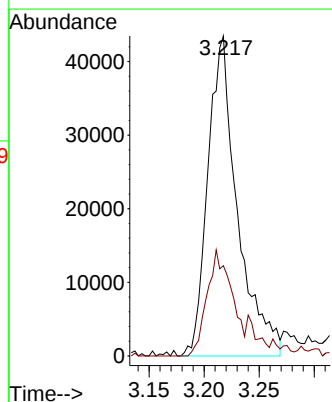
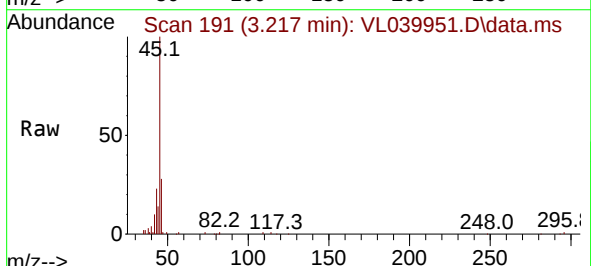
Manual Integrations
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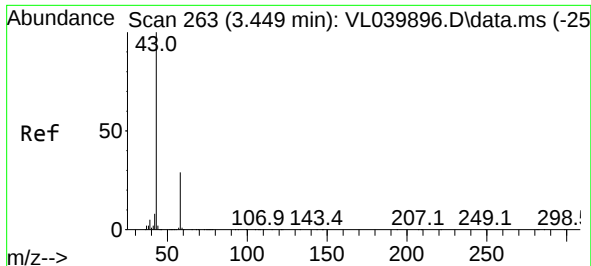
Reviewed By :Semsettin Yesilyurt 12/05/2022
 Supervised By :Mahesh Dadoda 12/05/2022



#13
 Ethanol
 Concen: 14.957 ppbv m
 RT: 3.217 min Scan# 191
 Delta R.T. -0.010 min
 Lab File: VL039951.D
 Acq: 1 Dec 2022 20:59

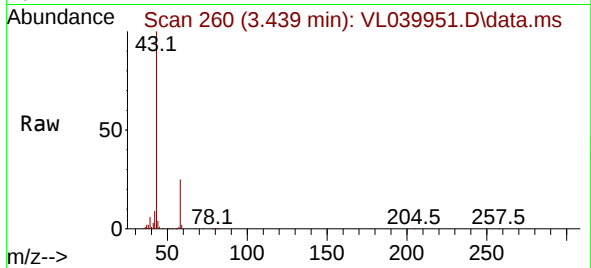
Tgt Ion: 45 Resp: 81252
 Ion Ratio Lower Upper
 45 100
 46 34.4 14.6 58.2





#15
Acetone
Concen: 2.490 ppbv
RT: 3.439 min Scan# 20
Delta R.T. -0.007 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

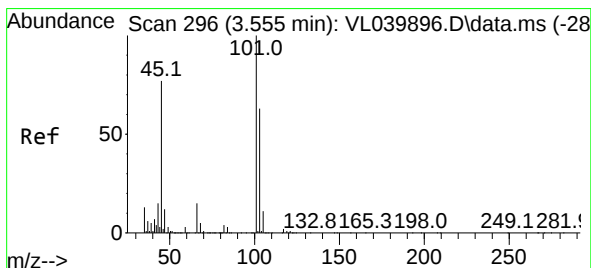
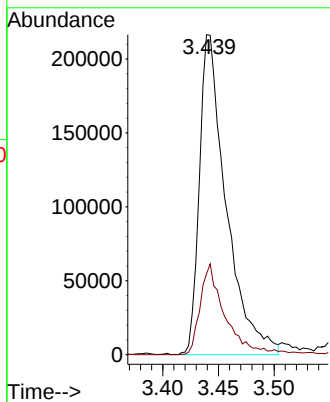
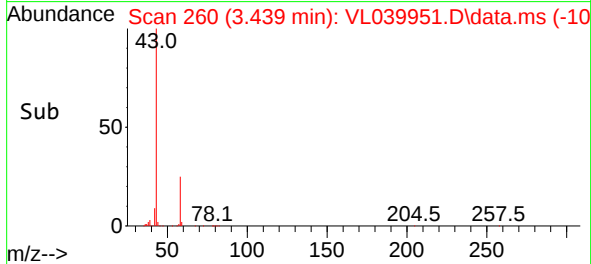
Instrument :
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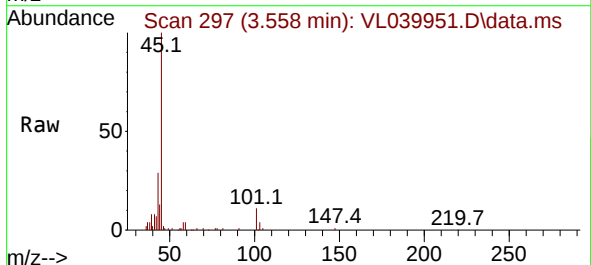
Tgt Ion: 43 Resp: 361479
Ion Ratio Lower Upper
43 100
58 27.0 22.9 34.3

Manual Integrations
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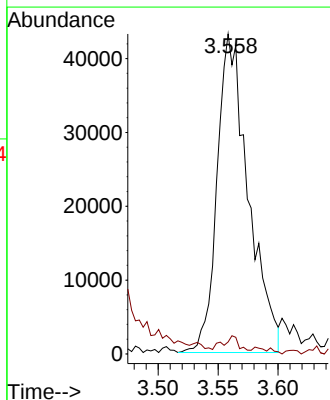
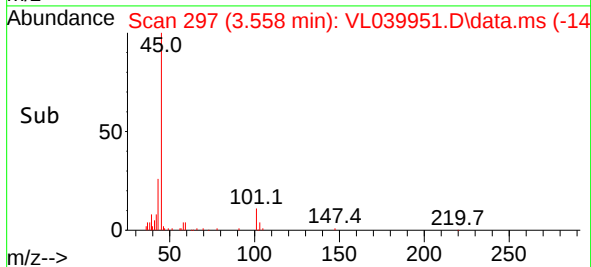
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Supervised By :Mahesh Dadoda 12/05/2022

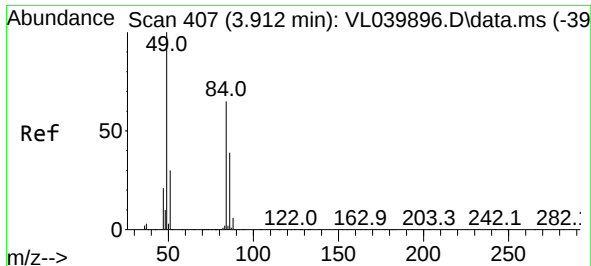


#19
Isopropyl Alcohol
Concen: 0.991 ppbv
RT: 3.558 min Scan# 297
Delta R.T. 0.003 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59



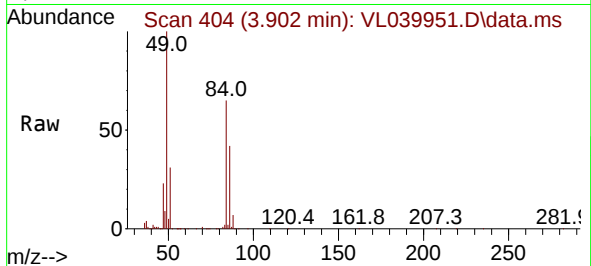
Tgt Ion: 45 Resp: 77873
Ion Ratio Lower Upper
45 100
58 0.0 38.7 58.1#





#20
Methylene Chloride
Concen: 6.627 ppbv
RT: 3.902 min Scan# 407
Delta R.T. -0.010 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

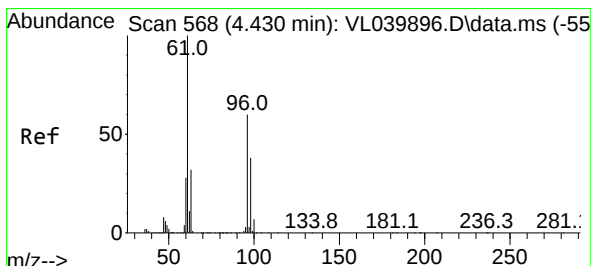
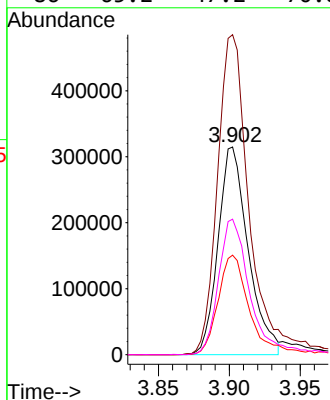
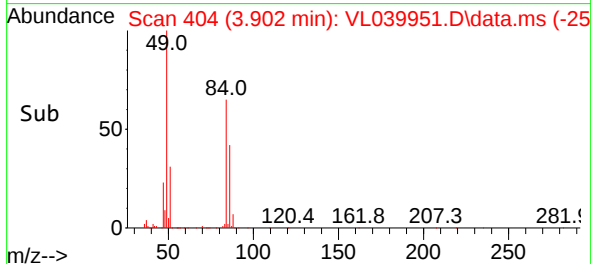
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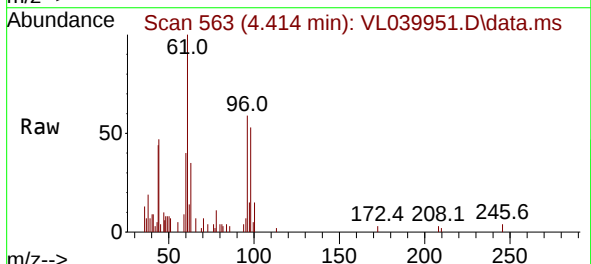
Tgt Ion: 84 Resp: 466190
Ion Ratio Lower Upper
84 100
49 154.0 122.2 183.4
51 47.9 36.3 54.5
86 65.2 47.2 70.8

Manual Integrations
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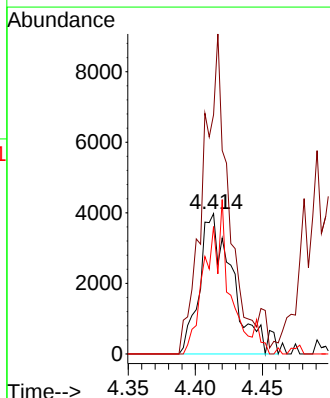
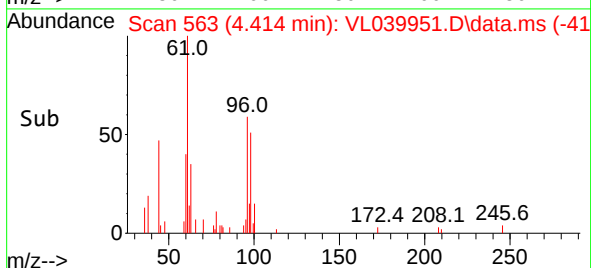
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Supervised By :Mahesh Dadoda 12/05/2022

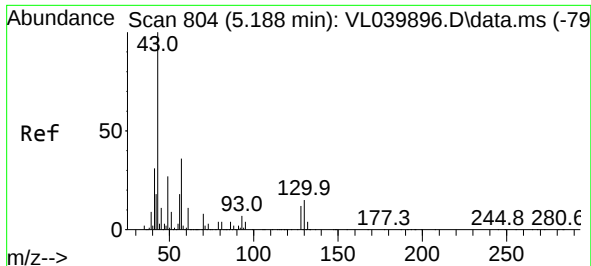


#22
trans-1,2-Dichloroethene
Concen: 0.103 ppbv m
RT: 4.414 min Scan# 563
Delta R.T. -0.013 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59



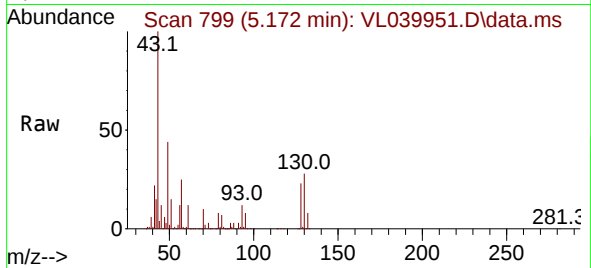
Tgt Ion: 96 Resp: 6925
Ion Ratio Lower Upper
96 100
61 170.4 134.1 201.1
98 90.7 50.4 75.6





#25
Ethyl Acetate
Concen: 5.232 ppbv
RT: 5.172 min Scan# 79
Delta R.T. -0.013 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

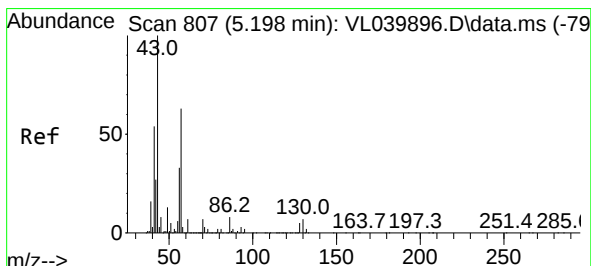
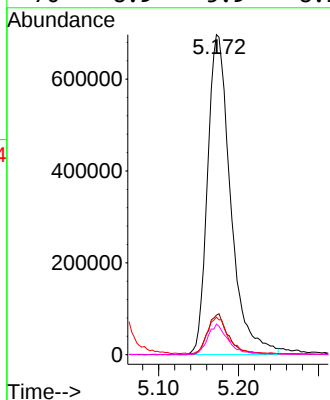
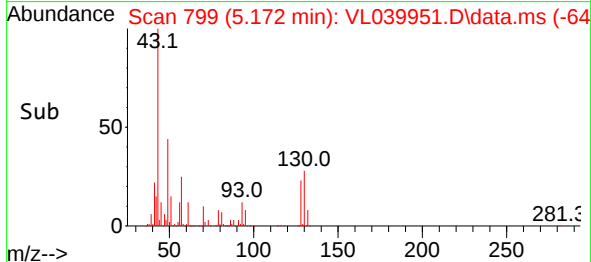
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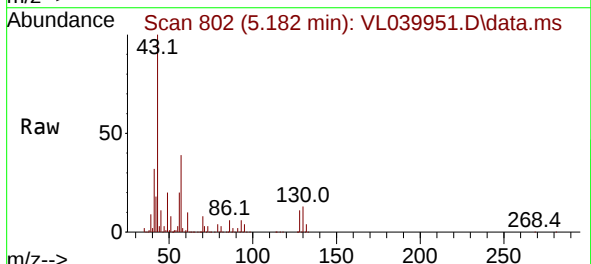
Tgt Ion: 43 Resp: 139486
Ion Ratio Lower Upper
43 100
45 12.1 8.4 12.6
61 11.7 8.5 12.7
70 8.9 5.9 8.9#

Manual Integrations
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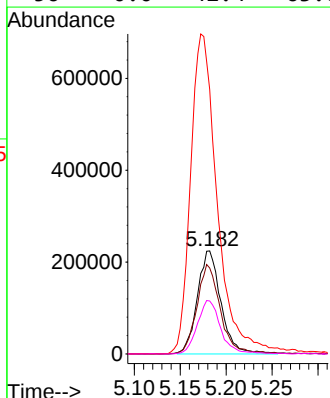
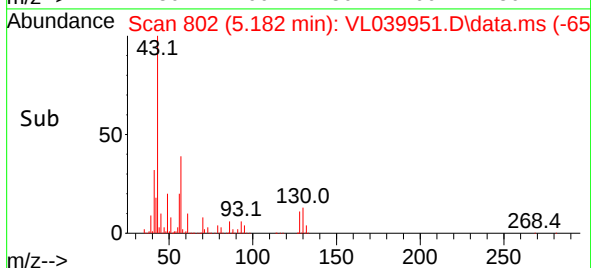
Reviewed By :Semsettin Yesilyurt 12/05/2022
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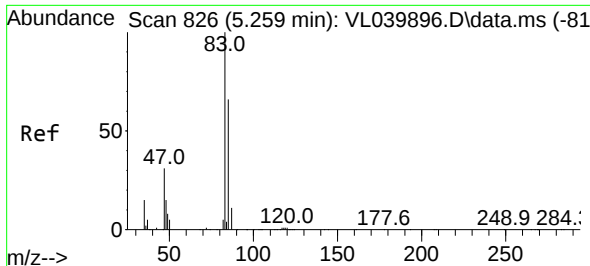


#26
Hexane
Concen: 3.444 ppbv m
RT: 5.182 min Scan# 802
Delta R.T. -0.013 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59



Tgt Ion: 57 Resp: 401008
Ion Ratio Lower Upper
57 100
41 0.0 72.3 108.5#
43 0.0 188.7 283.1#
56 0.0 42.4 63.6#





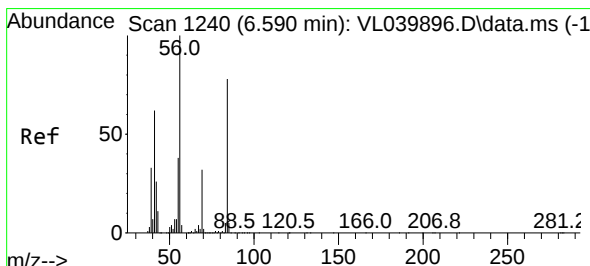
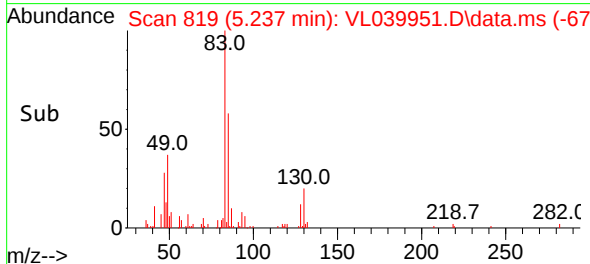
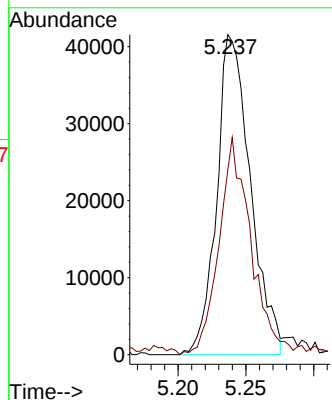
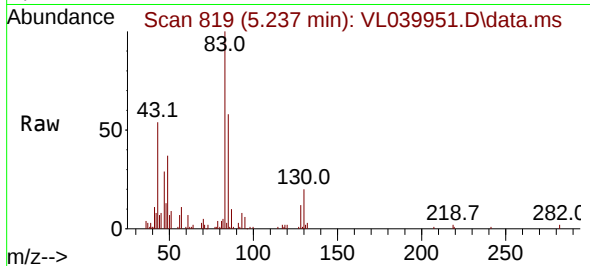
#29
Chloroform
Concen: 0.465 ppbv
RT: 5.237 min Scan# 819
Delta R.T. -0.019 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

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ClientSampleId :
H302022-EFFLUENT

Tgt Ion: 83 Resp: 71880
Ion Ratio Lower Upper
83 100
85 58.2 52.4 78.6

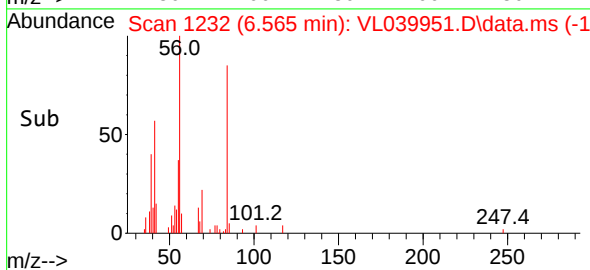
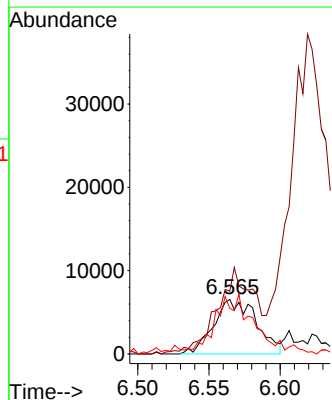
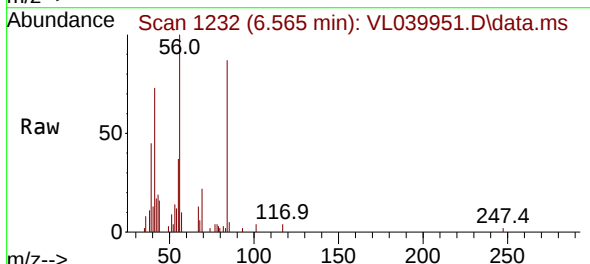
Manual Integrations
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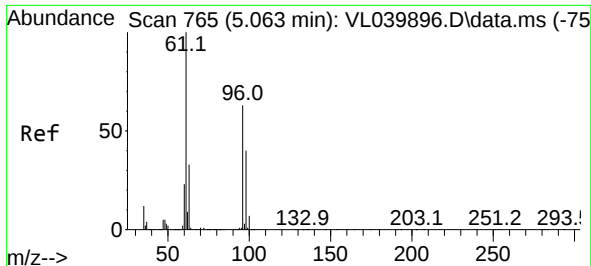
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#30
Cyclohexane
Concen: 0.120 ppbv m
RT: 6.565 min Scan# 1232
Delta R.T. -0.019 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

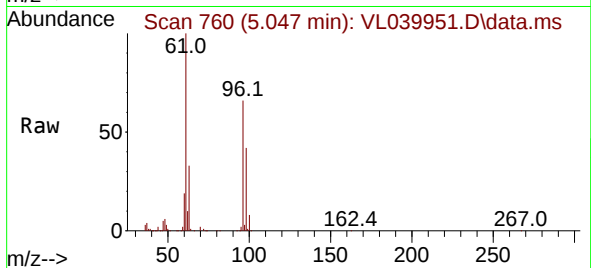
Tgt Ion: 84 Resp: 13737
Ion Ratio Lower Upper
84 100
56 139.3 112.5 168.7
41 104.3 67.8 101.8#





#31
 cis-1,2-Dichloroethene
 Concen: 3.472 ppbv
 RT: 5.047 min Scan# 760
 Delta R.T. -0.010 min
 Lab File: VL039951.D
 Acq: 1 Dec 2022 20:59

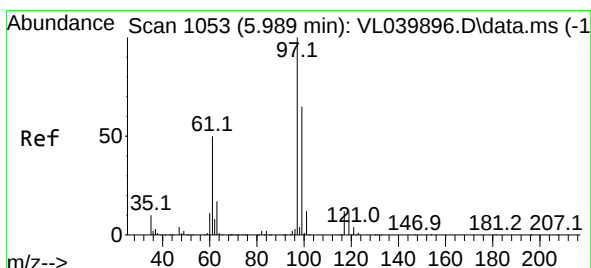
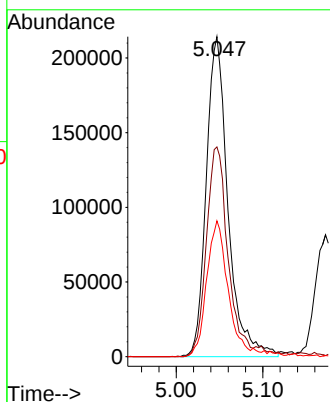
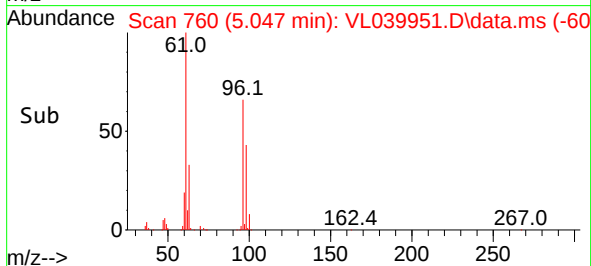
Instrument :
 MSVOA_L
 ClientSampleId :
 H302022-EFFLUENT



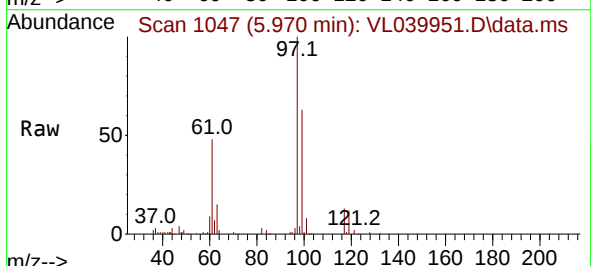
Tgt Ion: 61 Resp: 37351
 Ion Ratio Lower Upper
 61 100
 96 65.4 50.3 75.5
 98 42.5 32.2 48.2

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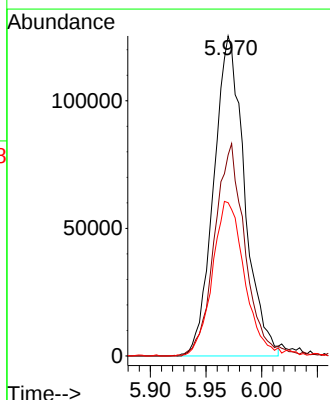
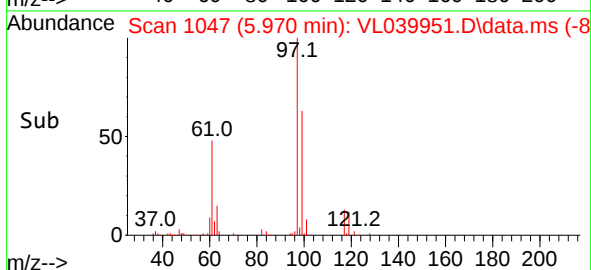
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 Supervised By :Mahesh Dadoda 12/05/2022

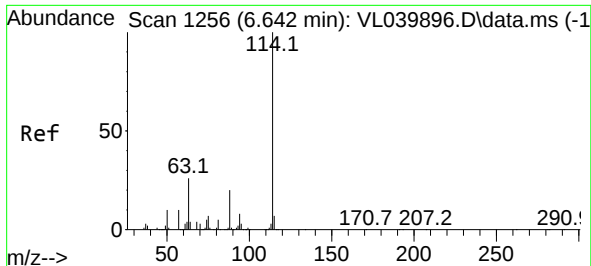


#32
 1,1,1-Trichloroethane
 Concen: 1.251 ppbv
 RT: 5.970 min Scan# 1047
 Delta R.T. -0.013 min
 Lab File: VL039951.D
 Acq: 1 Dec 2022 20:59



Tgt Ion: 97 Resp: 241713
 Ion Ratio Lower Upper
 97 100
 99 66.4 51.4 77.0
 61 51.4 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.622 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL039951.D

Acq: 1 Dec 2022 20:59

Instrument :

MSVOA_L

ClientSampleId :

H302022-EFFLUENT

Tgt Ion:114 Resp: 3077638

Ion Ratio Lower Upper

114 100

63 25.1 21.4 32.0

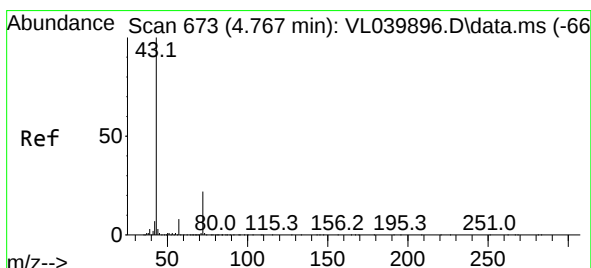
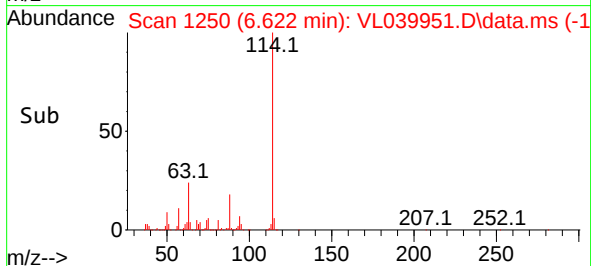
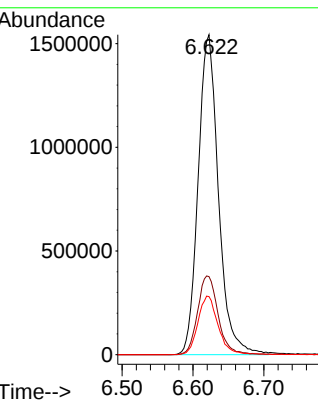
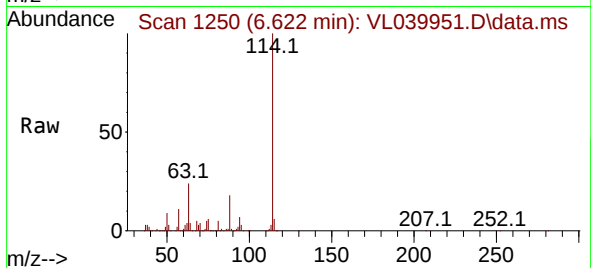
88 18.2 15.3 22.9

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Supervised By :Mahesh Dadoda 12/05/2022



#34

2-Butanone

Concen: 0.393 ppbv

RT: 4.764 min Scan# 672

Delta R.T. -0.003 min

Lab File: VL039951.D

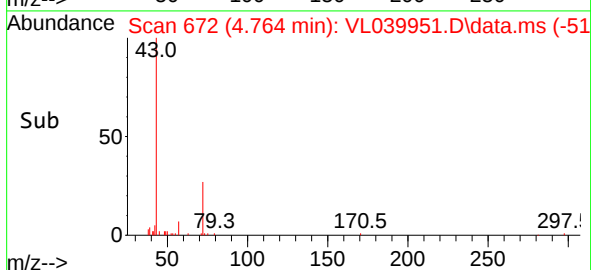
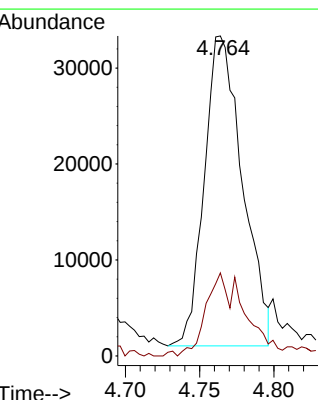
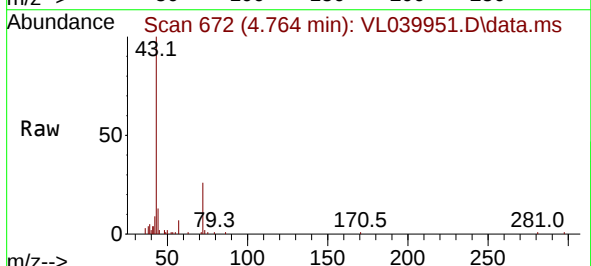
Acq: 1 Dec 2022 20:59

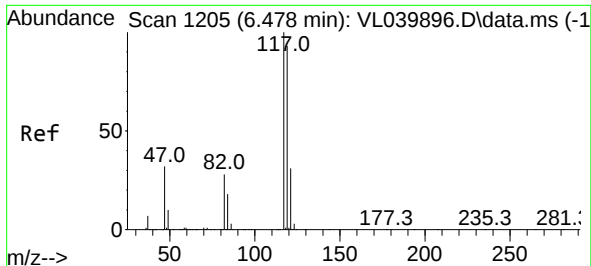
Tgt Ion: 43 Resp: 57904

Ion Ratio Lower Upper

43 100

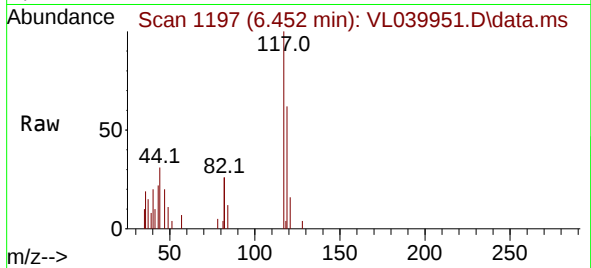
72 29.3 17.4 26.2#





#35
Carbon Tetrachloride
Concen: 0.047 ppbv m
RT: 6.452 min Scan# 1117
Delta R.T. -0.026 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

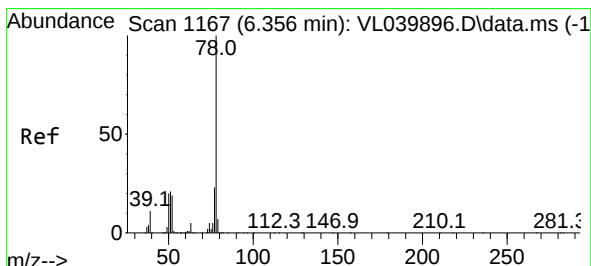
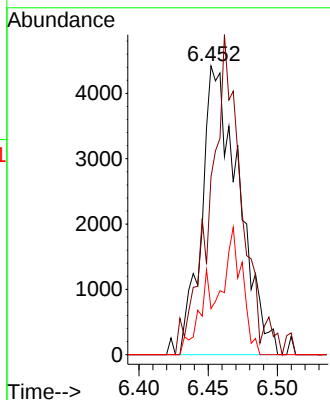
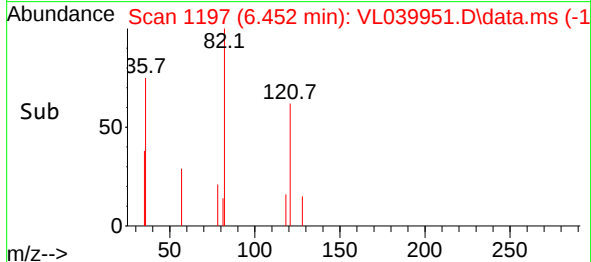
Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENT



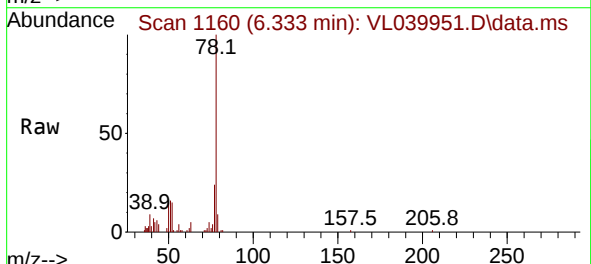
Tgt Ion: 117 Resp: 8234
Ion Ratio Lower Upper
117 100
119 61.6 74.7 112.1
121 16.0 24.5 36.7

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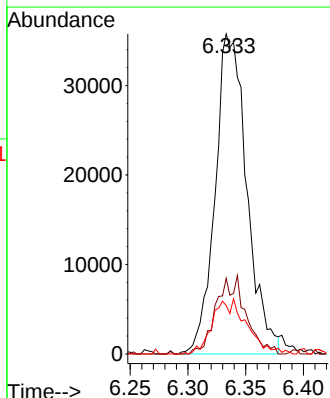
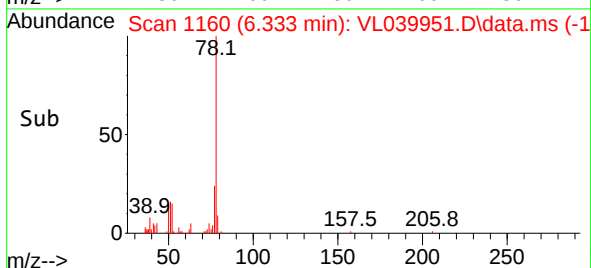
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

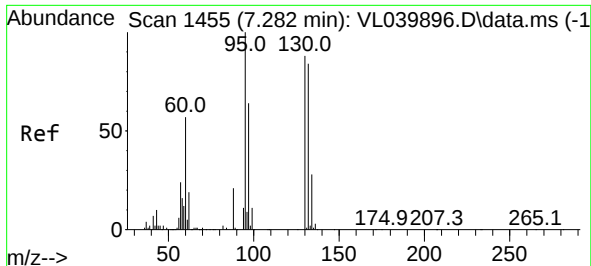


#36
Benzene
Concen: 0.260 ppbv
RT: 6.333 min Scan# 1160
Delta R.T. -0.019 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59



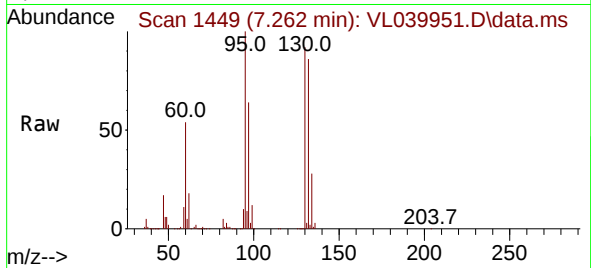
Tgt Ion: 78 Resp: 68085
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.2
50 15.1 15.8 23.8





#38
 Trichloroethene
 Concen: 5.321 ppbv
 RT: 7.262 min Scan# 1449
 Delta R.T. -0.013 min
 Lab File: VL039951.D
 Acq: 1 Dec 2022 20:59

Instrument : MSVOA_L
 ClientSampleId : H302022-EFFLUENT

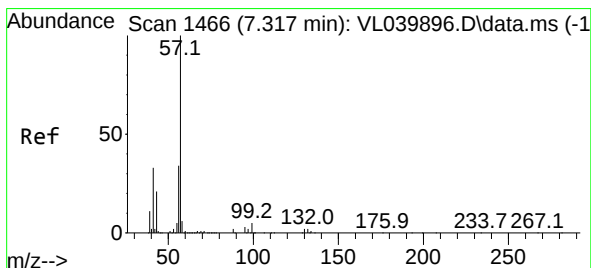
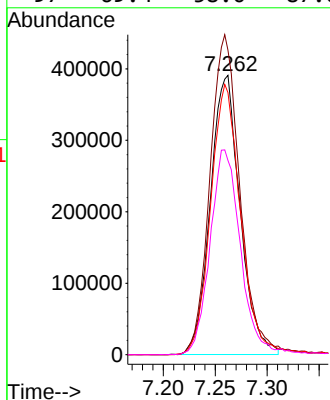
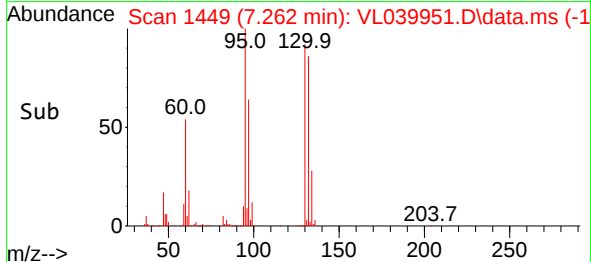


Tgt Ion: 130 Resp: 77805

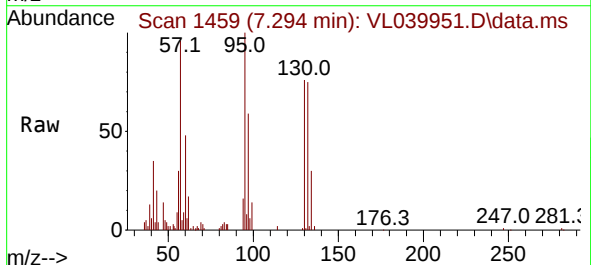
Ion	Ratio	Lower	Upper
130	100		
95	109.1	90.6	135.8
132	93.6	76.2	114.4
97	69.4	58.0	87.0

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 Supervised By : Mahesh Dadoda 12/05/2022

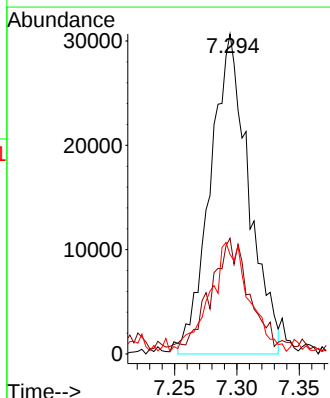
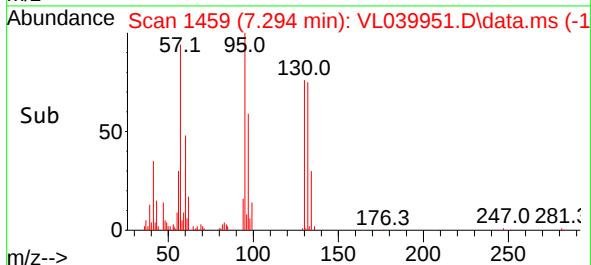


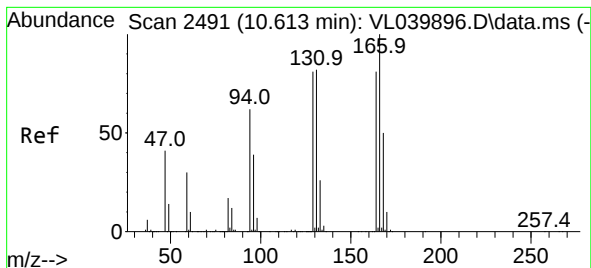
#44
 2,2,4-Trimethylpentane
 Concen: 0.150 ppbv
 RT: 7.294 min Scan# 1459
 Delta R.T. -0.016 min
 Lab File: VL039951.D
 Acq: 1 Dec 2022 20:59



Tgt Ion: 57 Resp: 65659

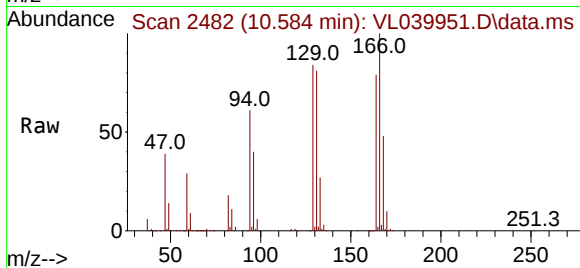
Ion	Ratio	Lower	Upper
57	100		
41	42.4	26.2	39.2#
56	40.0	25.5	38.3#





#52
Tetrachloroethene
Concen: 9.038 ppbv
RT: 10.584 min Scan# 2491
Delta R.T. -0.019 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

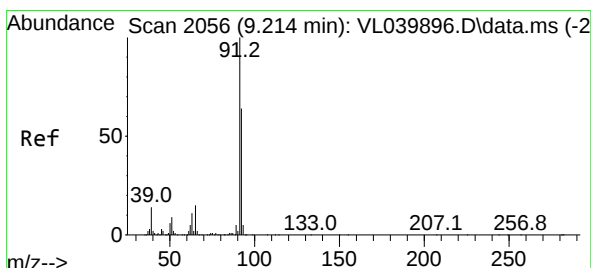
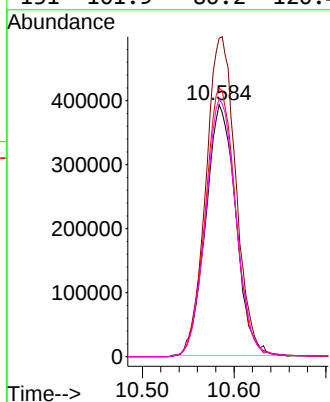
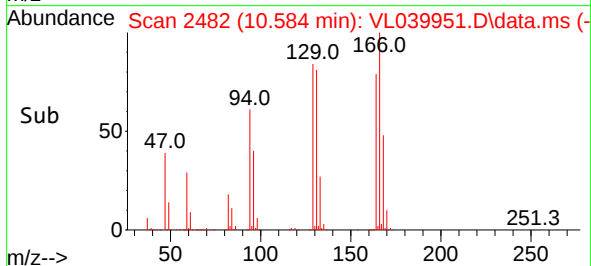
Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENT



Tgt Ion:164 Resp: 884464
Ion Ratio Lower Upper
164 100
166 126.3 98.3 147.5
129 106.5 79.7 119.5
131 101.9 80.2 120.4

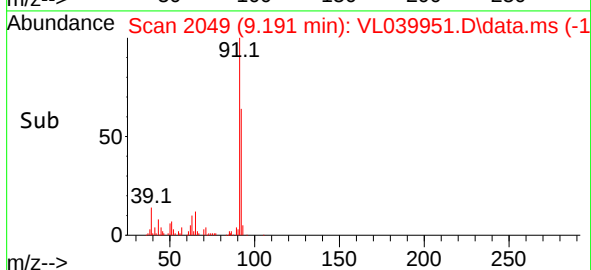
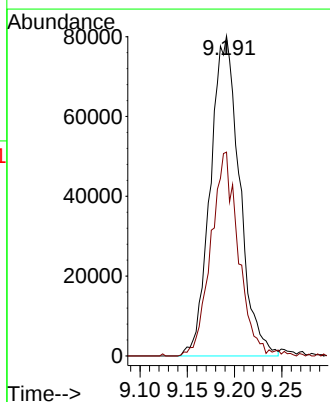
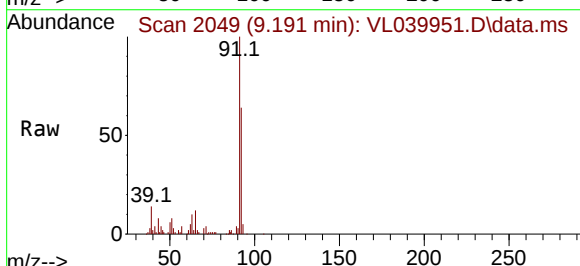
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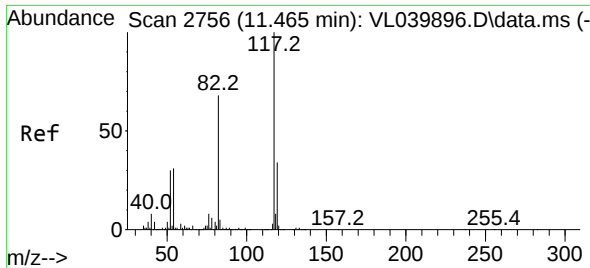
Reviewed By :Semsettin Yesilyurt 12/05/2022
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#53
Toluene
Concen: 0.577 ppbv
RT: 9.191 min Scan# 2049
Delta R.T. -0.013 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

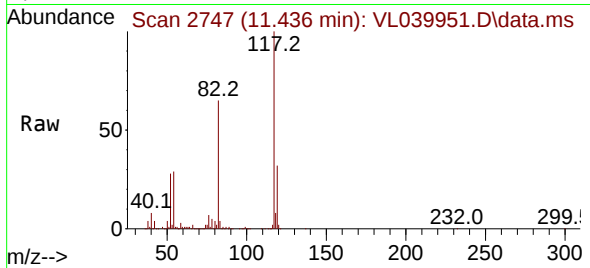
Tgt Ion: 91 Resp: 172031
Ion Ratio Lower Upper
91 100
92 60.6 49.8 74.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

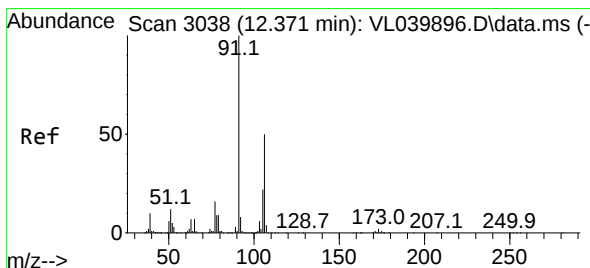
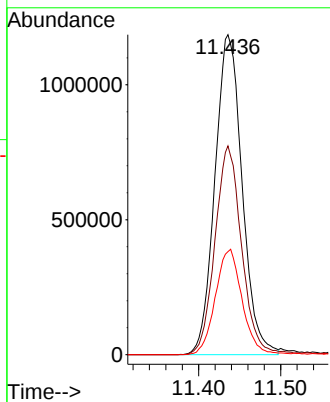
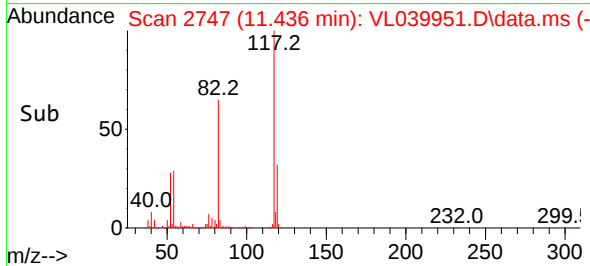
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion:117 Resp: 273626
Ion Ratio Lower Upper
117 100
82 64.4 52.3 78.5
119 32.8 25.7 38.5

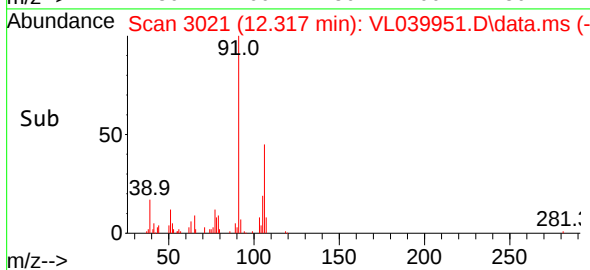
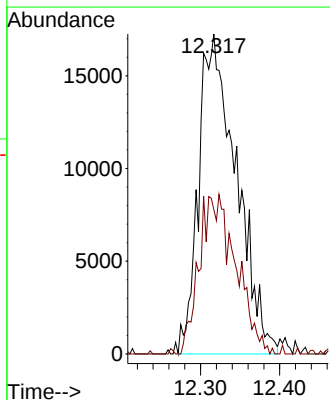
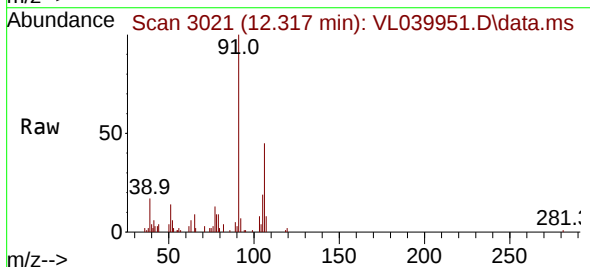
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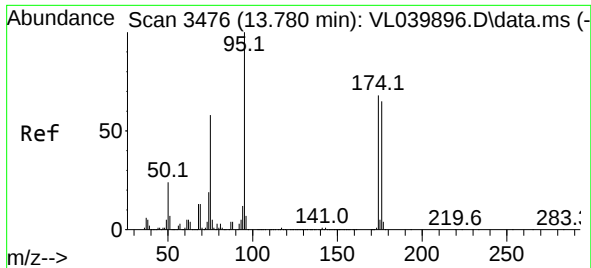
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#59
m/p-Xylene
Concen: 0.183 ppbv m
RT: 12.317 min Scan# 3021
Delta R.T. -0.042 min
Lab File: VL039951.D
Acq: 1 Dec 2022 20:59

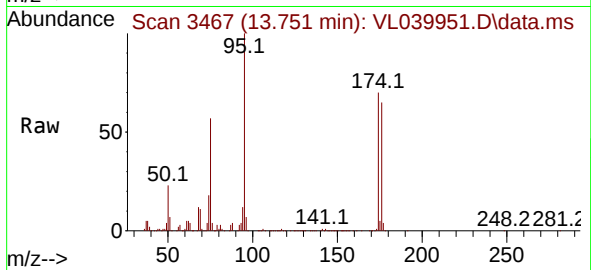
Tgt Ion: 91 Resp: 56877
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.046 ppbv
 RT: 13.751 min Scan# 3476
 Delta R.T. -0.013 min
 Lab File: VL039951.D
 Acq: 1 Dec 2022 20:59

Instrument :
 MSVOA_L
 ClientSampleId :
 H302022-EFFLUENT



Tgt Ion: 95 Resp: 2099570
 Ion Ratio Lower Upper
 95 100
 174 67.2 53.7 80.5
 175 4.7 4.0 6.0

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 Supervised By :Mahesh Dadoda 12/05/2022

