

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039778.D
 Acq On : 25 Oct 2022 4:49
 Operator : SY/AP
 Sample : N5227-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 25 15:02:38 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	962073	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2450472	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2123863	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1524149	10.088	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	88529	0.879	ppbv	99
3) Chlorodifluoromethane	2.697	51	729519	6.312	ppbv	96
11) Trichlorofluoromethane	3.581	101	134221	0.954	ppbv	91
12) 1,1,2-Trichlorotrifluo...	4.083	101	27698	0.254	ppbv	94
15) Acetone	3.488	43	471177	4.100	ppbv	96
18) 1,1-Dichloroethene	3.899	96	533625	11.110	ppbv	95
20) Methylene Chloride	3.951	84	183521	4.198	ppbv	96
26) Hexane	5.218	57	135025	1.445	ppbv #	38
29) Chloroform	5.282	83	33665	0.229	ppbv	99
32) 1,1,1-Trichloroethane	6.009	97	464018	3.481	ppbv	97
36) Benzene	6.375	78	68383	0.362	ppbv	96
38) Trichloroethene	7.295	130	2724527	25.574	ppbv	96
52) Tetrachloroethene	10.613	164	151177	2.139	ppbv	97
53) Toluene	9.221	91	74865	0.379	ppbv	91
59) m/p-Xylene	12.336	91	52071m	0.238	ppbv	
60) o-Xylene	13.053	91	23915m	0.117	ppbv	

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

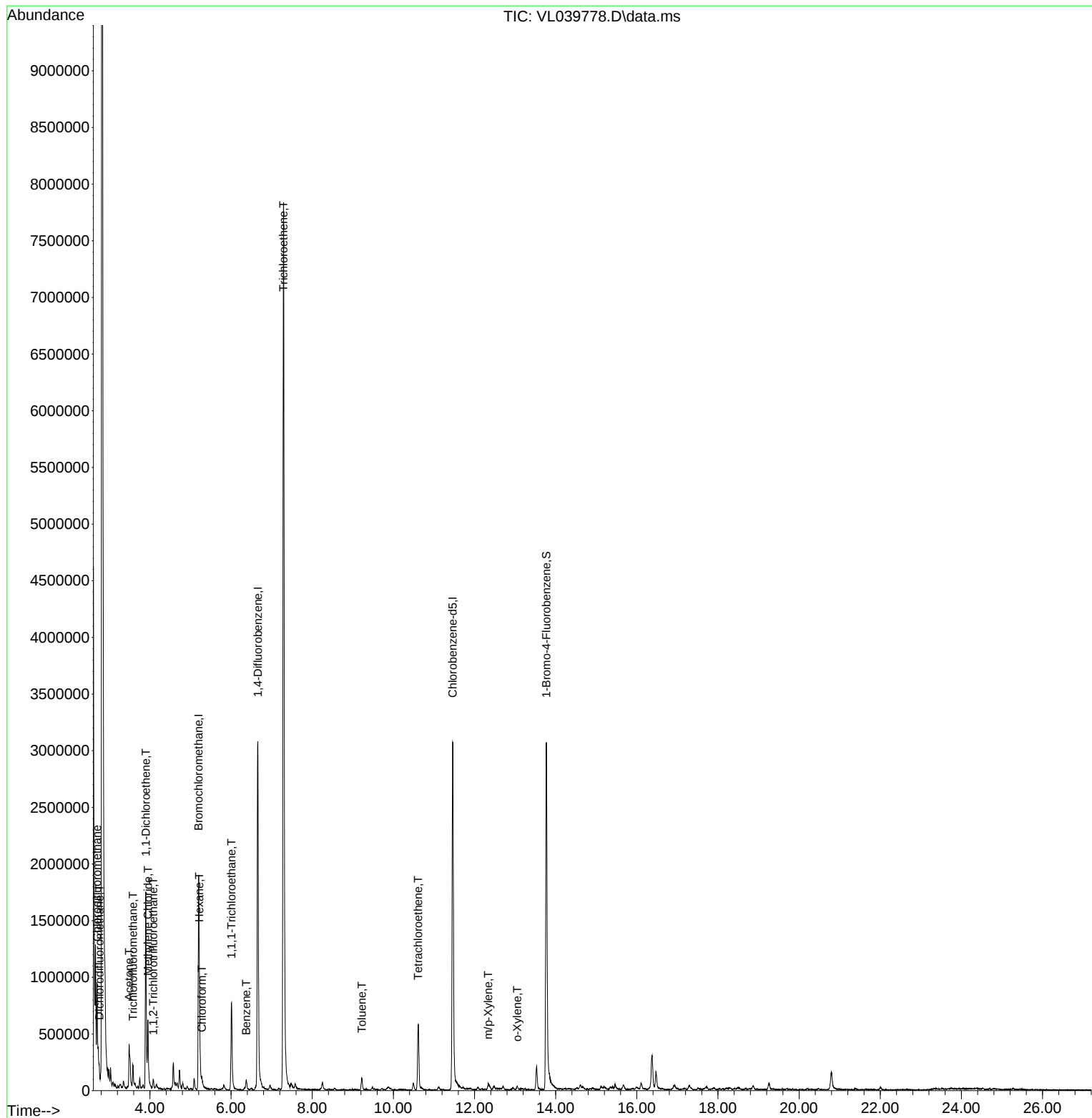
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
Data File : VL039778.D
Acq On : 25 Oct 2022 4:49
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ALS Vial : 1 Sample Multiplier: 1

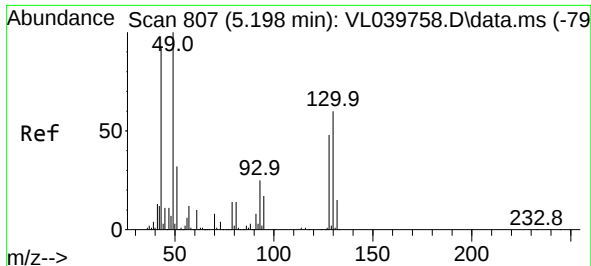
Instrument :
MSVOA_L
ClientSampleId :
E

Quant Time: Oct 25 15:02:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Oct 24 20:00:55 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

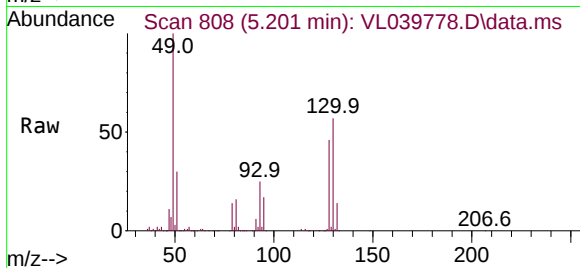
Reviewed By : Semsettin Yesilyurt 10/28/2022
Supervised By : Mahesh Dadoda 10/31/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

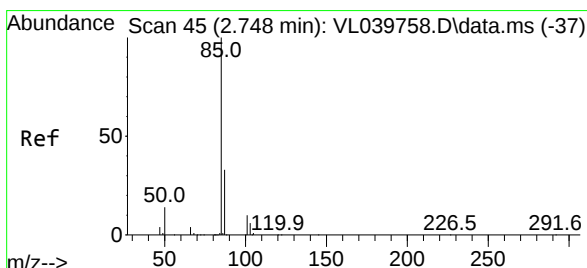
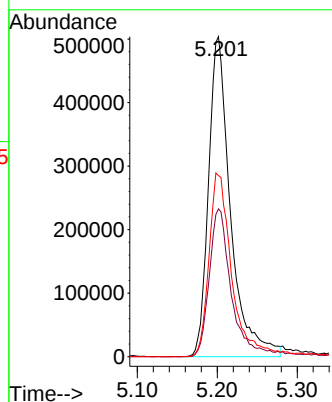
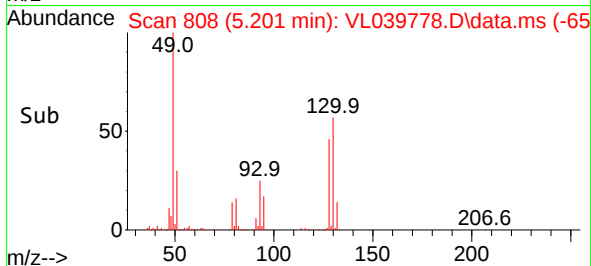
Instrument :
MSVOA_L
ClientSampleId :
E



Tgt Ion: 49 Resp: 962073
Ion Ratio Lower Upper
49 100
128 48.2 24.6 74.0
130 61.4 31.8 95.3

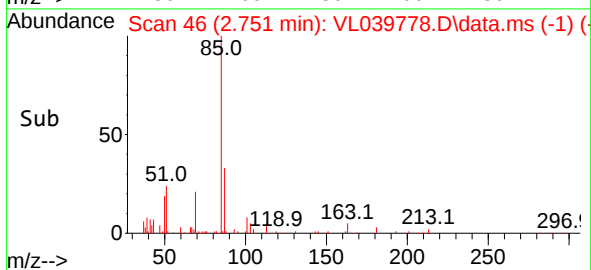
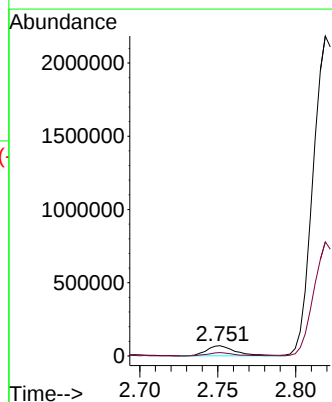
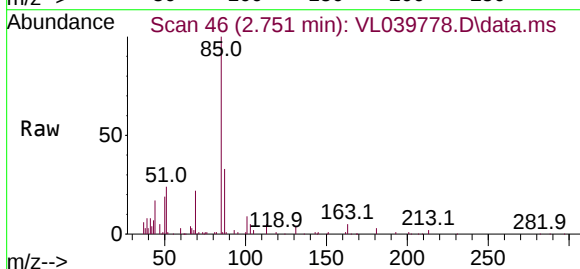
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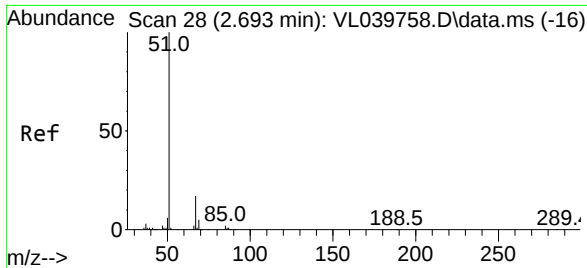
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#2
Dichlorodifluoromethane
Concen: 0.879 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

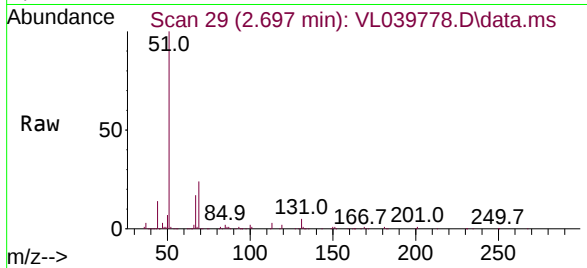
Tgt Ion: 85 Resp: 88529
Ion Ratio Lower Upper
85 100
87 32.9 26.1 39.1





#3
Chlorodifluoromethane
Concen: 6.312 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49 E

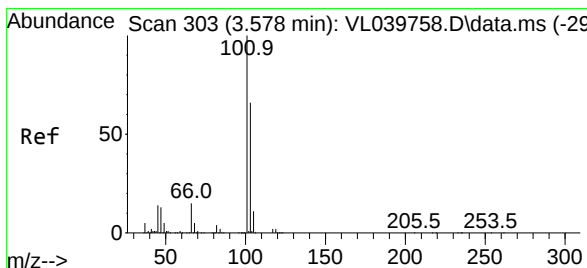
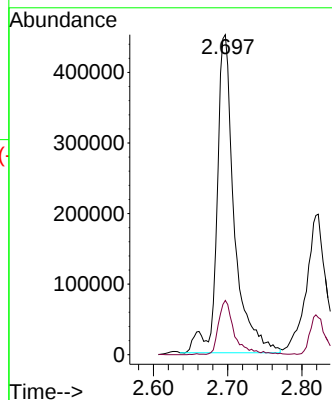
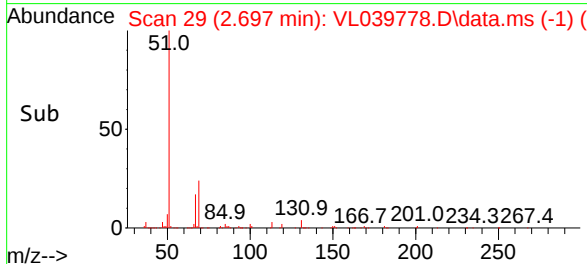
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 51 Resp: 729519
Ion Ratio Lower Upper
51 100
67 16.0 14.2 21.2

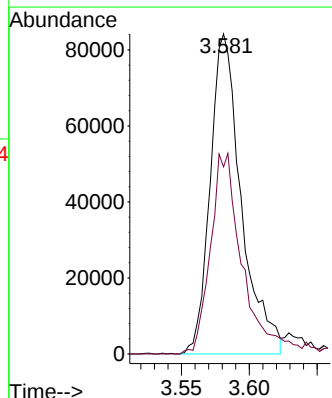
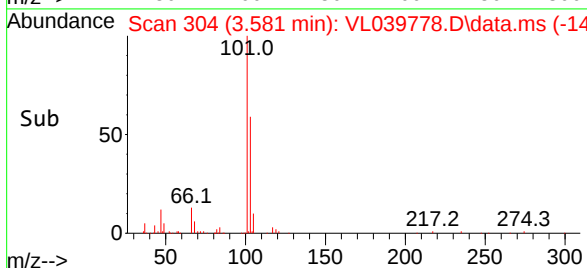
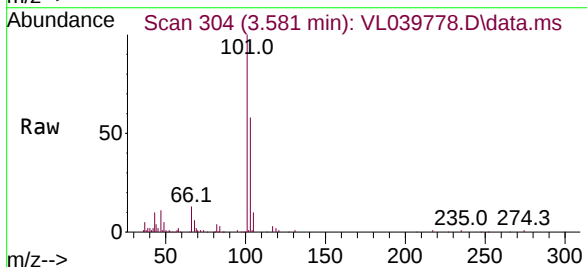
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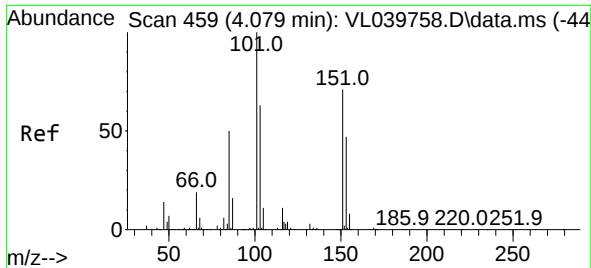
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#11
Trichlorofluoromethane
Concen: 0.954 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

Tgt Ion:101 Resp: 134221
Ion Ratio Lower Upper
101 100
103 58.5 52.7 79.1





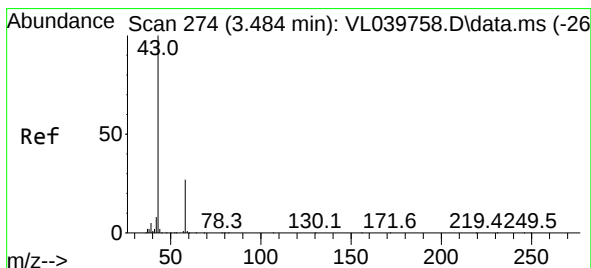
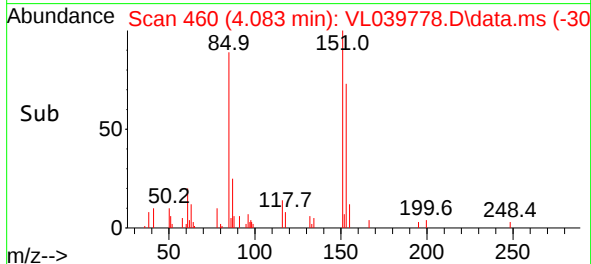
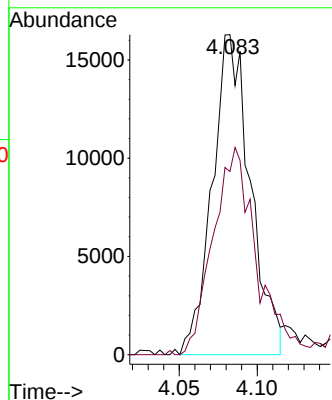
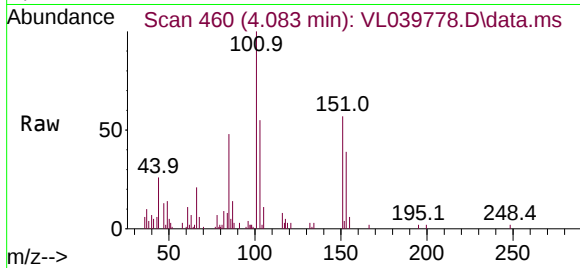
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.254 ppbv
RT: 4.083 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

Instrument :
MSVOA_L
ClientSampleId :
E

Tgt Ion:101 Resp: 27698
Ion Ratio Lower Upper
101 100
151 75.9 56.6 84.8

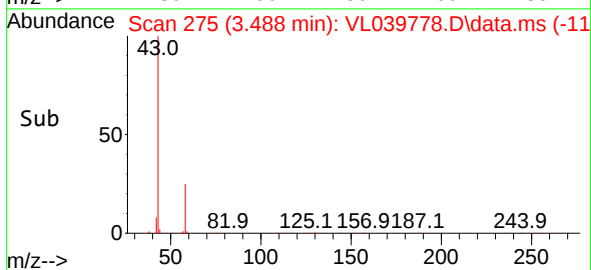
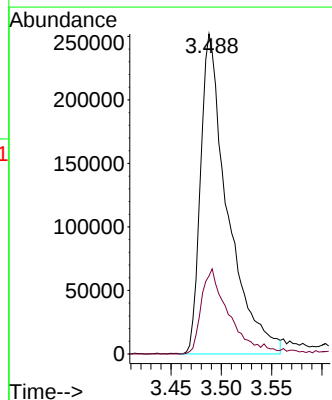
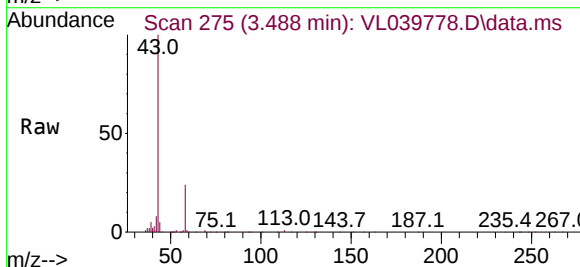
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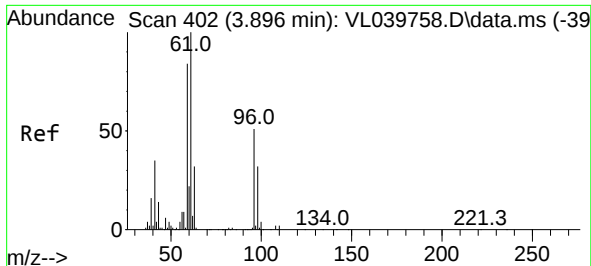
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#15
Acetone
Concen: 4.100 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

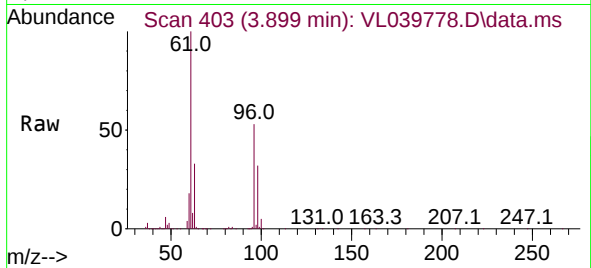
Tgt Ion: 43 Resp: 471177
Ion Ratio Lower Upper
43 100
58 28.0 20.7 31.1





#18
1,1-Dichloroethene
Concen: 11.110 ppbv
RT: 3.899 min Scan# 402
Delta R.T. 0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

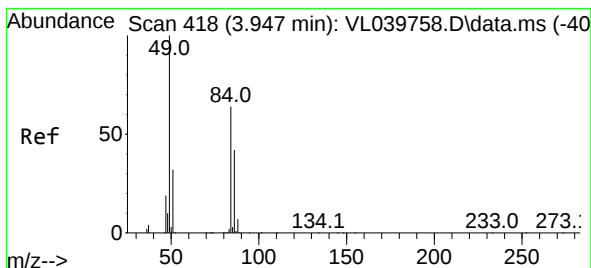
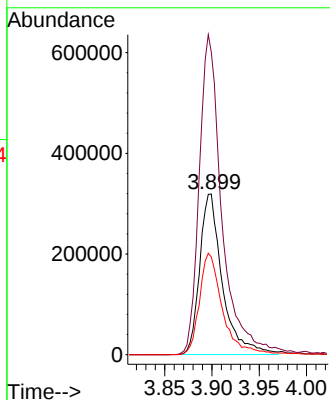
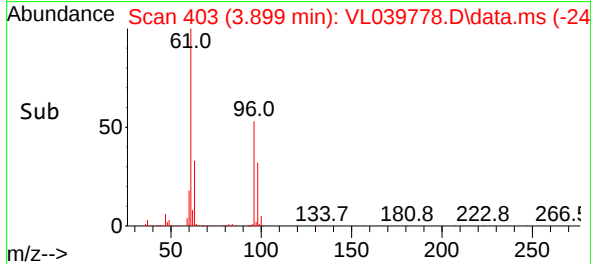
Instrument :
MSVOA_L
ClientSampleId :
E



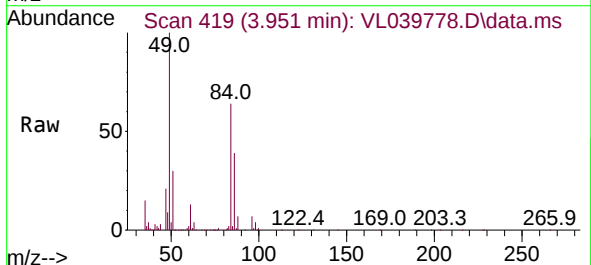
Tgt Ion: 96 Resp: 533629
Ion Ratio Lower Upper
96 100
61 188.2 157.6 236.4
98 60.9 49.9 74.9

Manual Integrations
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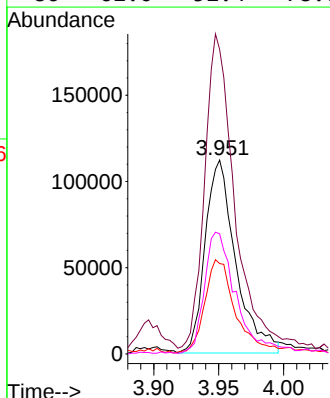
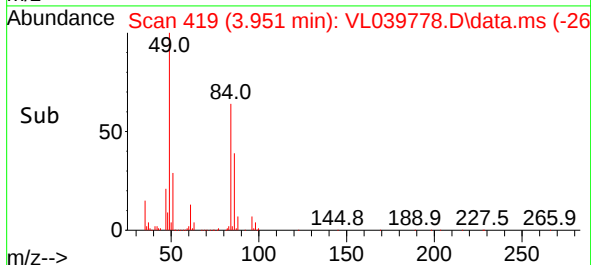
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Supervised By :Mahesh Dadoda 10/31/2022

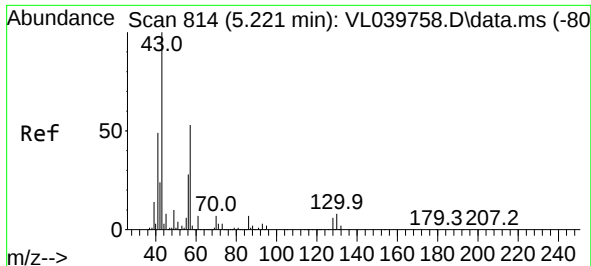


#20
Methylene Chloride
Concen: 4.198 ppbv
RT: 3.951 min Scan# 419
Delta R.T. 0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49



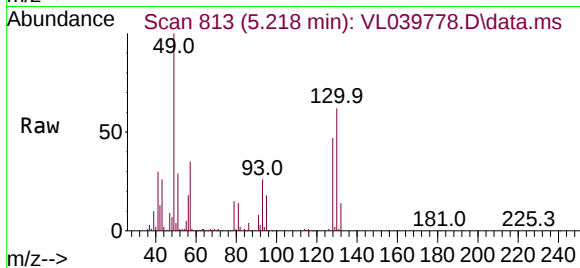
Tgt Ion: 84 Resp: 183521
Ion Ratio Lower Upper
84 100
49 154.9 126.0 189.0
51 45.8 40.9 61.3
86 62.0 52.4 78.6





#26
Hexane
Concen: 1.445 ppbv
RT: 5.218 min Scan# 814
Delta R.T. -0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

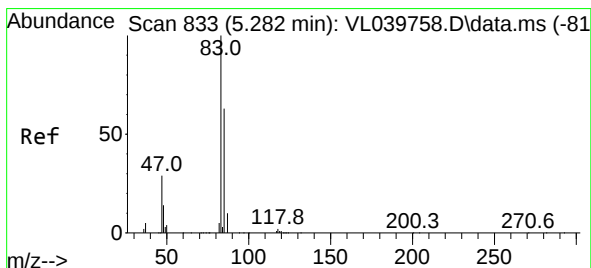
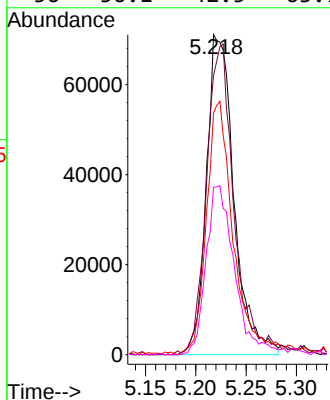
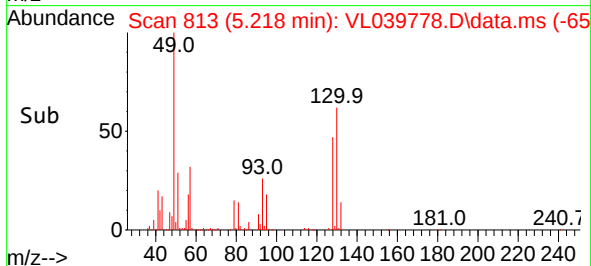
Instrument : MSVOA_L
ClientSampleId : E



Tgt Ion: 57 Resp: 135029
Ion Ratio Lower Upper
57 100
41 99.8 76.1 114.1
43 78.6 197.1 295.7
56 56.1 42.5 63.7

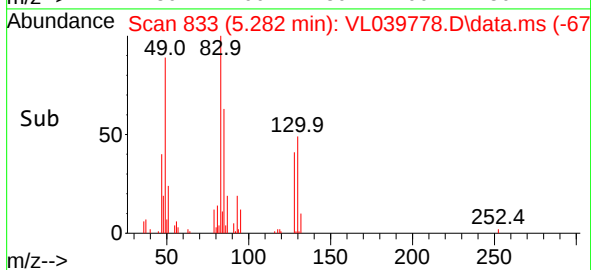
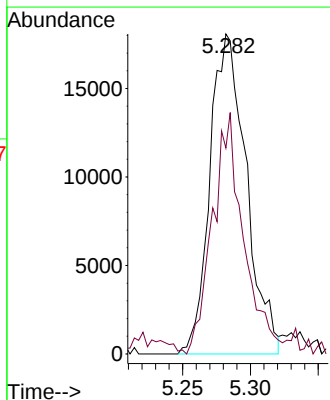
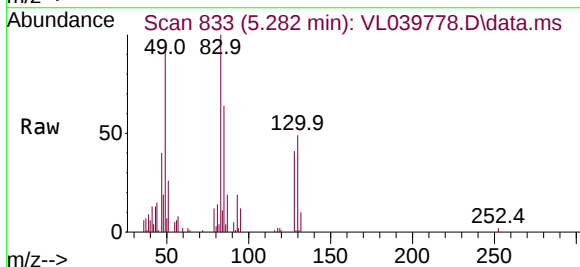
Manual Integrations
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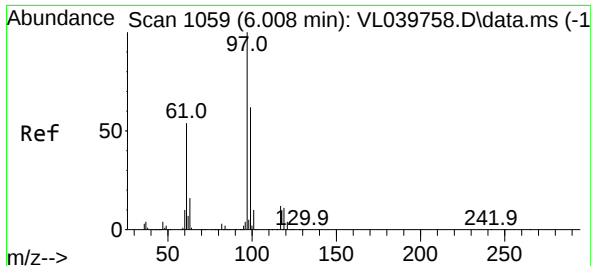
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#29
Chloroform
Concen: 0.229 ppbv
RT: 5.282 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

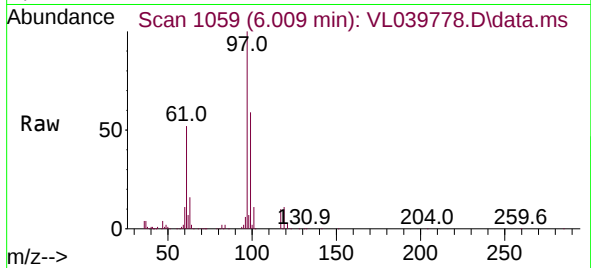
Tgt Ion: 83 Resp: 33665
Ion Ratio Lower Upper
83 100
85 63.4 50.4 75.6





#32
1,1,1-Trichloroethane
Concen: 3.481 ppbv
RT: 6.009 min Scan# 1059
Delta R.T. 0.000 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

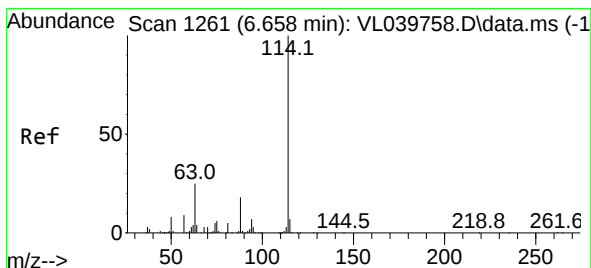
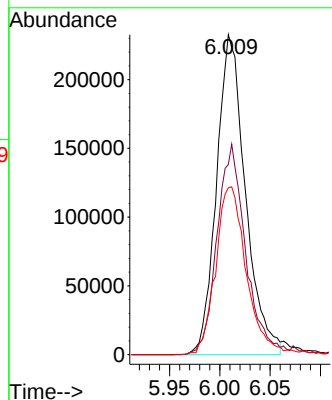
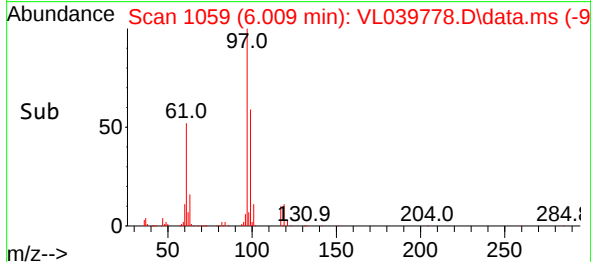
Instrument :
MSVOA_L
ClientSampleId :
E



Tgt Ion: 97 Resp: 464018
Ion Ratio Lower Upper
97 100
99 66.9 52.2 78.4
61 56.8 43.2 64.8

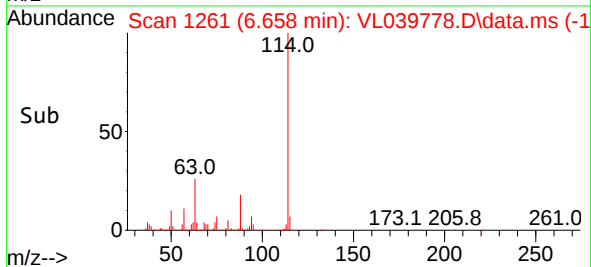
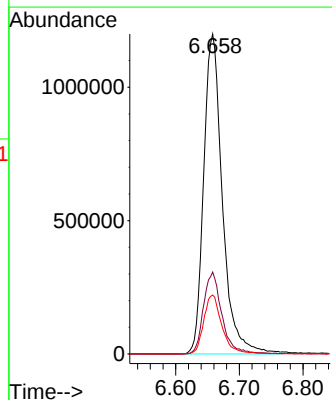
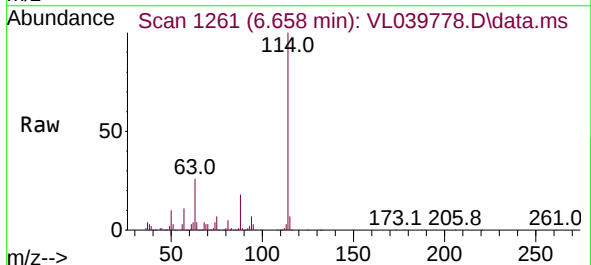
Manual Integrations
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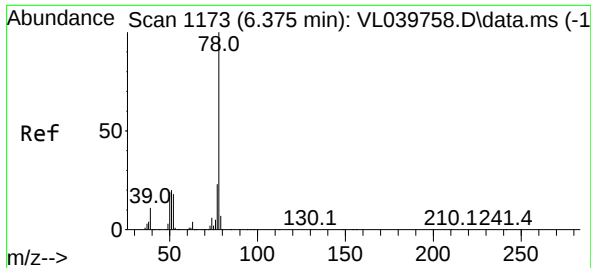
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

Tgt Ion:114 Resp: 2450472
Ion Ratio Lower Upper
114 100
63 25.3 20.1 30.1
88 18.1 14.5 21.7





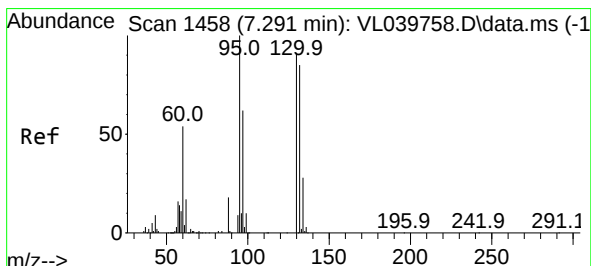
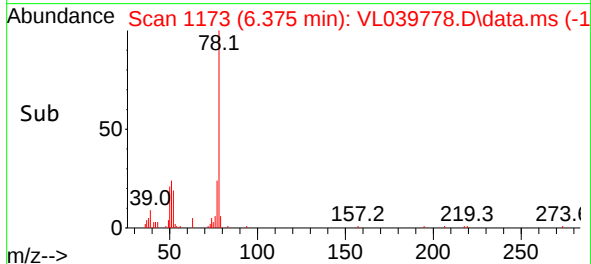
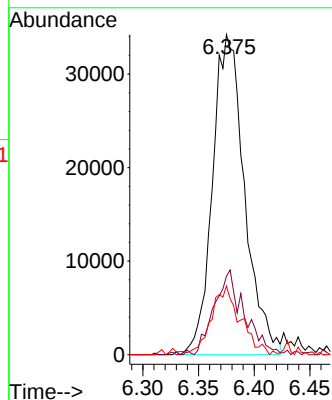
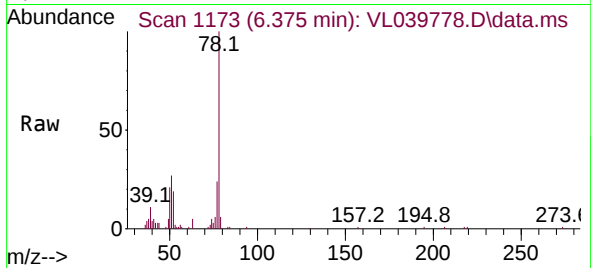
#36
Benzene
Concen: 0.362 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

Instrument :
MSVOA_L
ClientSampleId :
E

Tgt Ion: 78 Resp: 6838
Ion Ratio Lower Upper
78 100
77 24.5 18.3 27.5
50 20.9 15.2 22.8

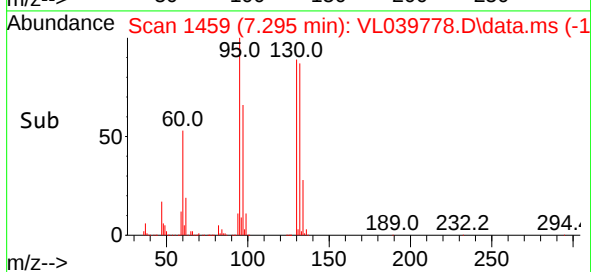
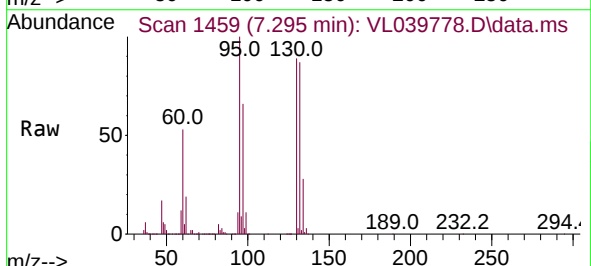
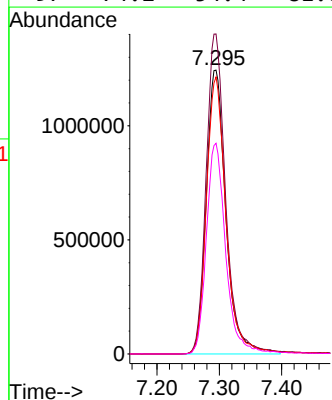
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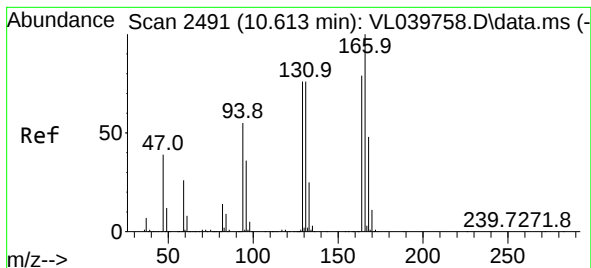
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#38
Trichloroethene
Concen: 25.574 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

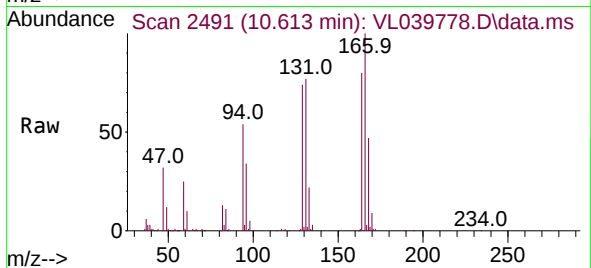
Tgt Ion:130 Resp: 2724527
Ion Ratio Lower Upper
130 100
95 112.8 88.1 132.1
132 97.6 75.2 112.8
97 74.2 54.4 81.6





#52
Tetrachloroethene
Concen: 2.139 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. 0.000 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

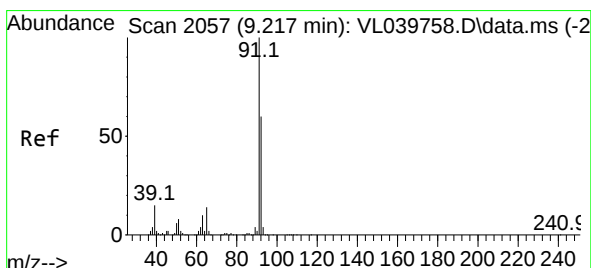
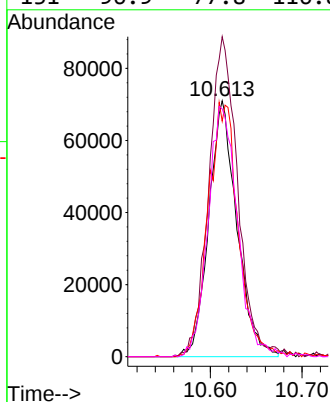
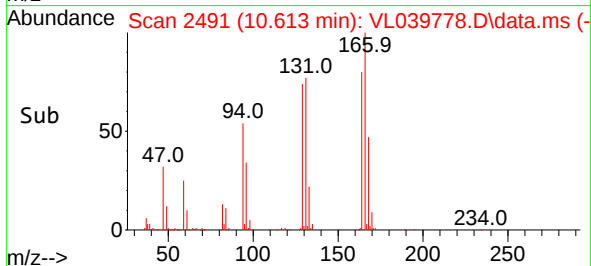
Instrument : MSVOA_L
ClientSampleId : E



Tgt Ion:164 Resp: 15117
Ion Ratio Lower Upper
164 100
166 124.7 101.8 152.6
129 91.5 77.5 116.3
131 96.9 77.8 116.8

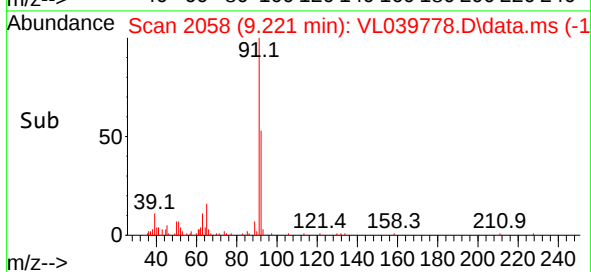
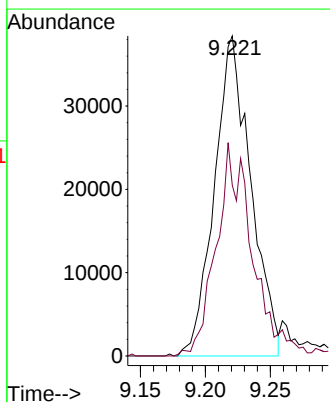
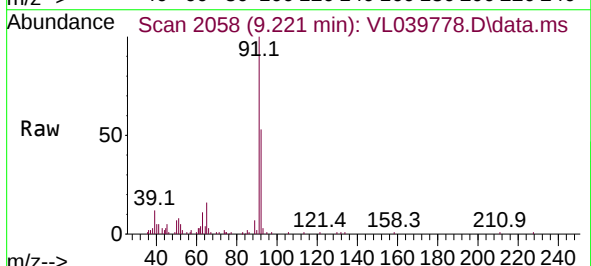
Manual Integrations
APPROVED

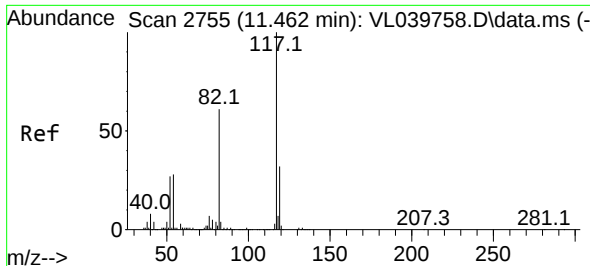
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#53
Toluene
Concen: 0.379 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. 0.004 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

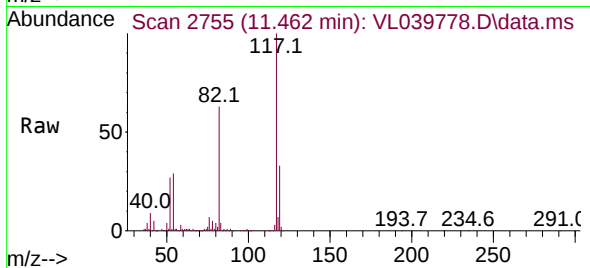
Tgt Ion: 91 Resp: 74865
Ion Ratio Lower Upper
91 100
92 66.8 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49 E

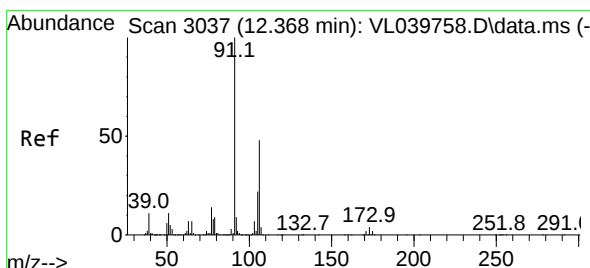
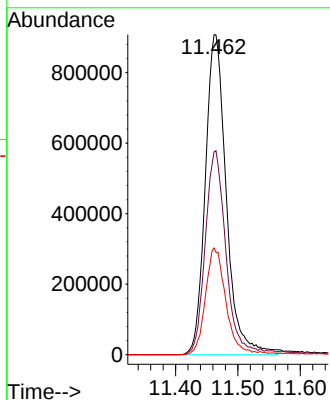
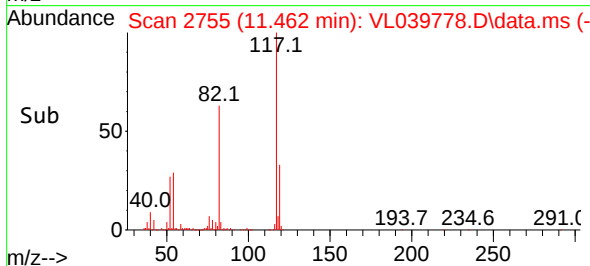
Instrument :
MSVOA_L
ClientSampleId :



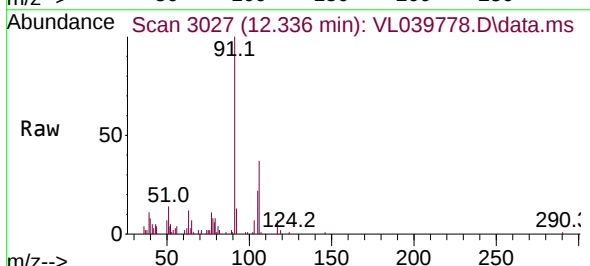
Tgt Ion:117 Resp: 212386
Ion Ratio Lower Upper
117 100
82 64.6 49.9 74.9
119 33.2 25.2 37.8

Manual Integrations
APPROVED

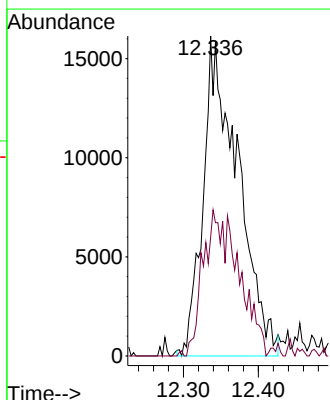
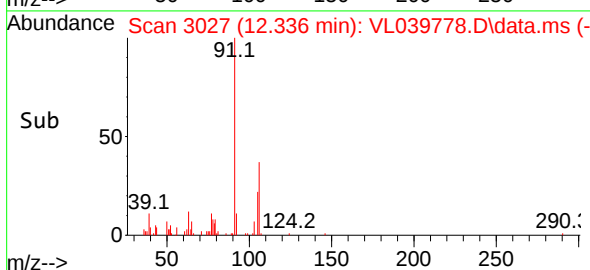
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

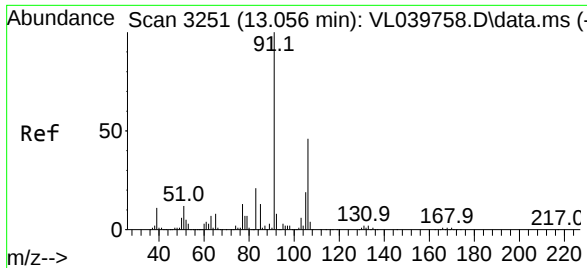


#59
m/p-Xylene
Concen: 0.238 ppbv m
RT: 12.336 min Scan# 3027
Delta R.T. -0.032 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49



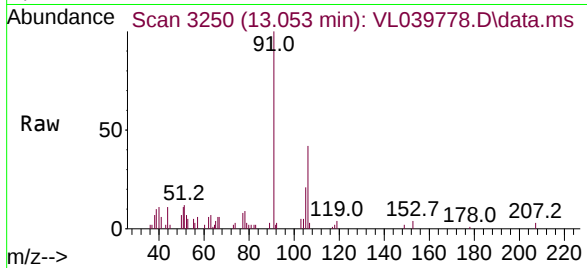
Tgt Ion: 91 Resp: 52071
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#





#60
o-Xylene
Concen: 0.117 ppbv m
RT: 13.053 min Scan# 3251
Delta R.T. -0.003 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

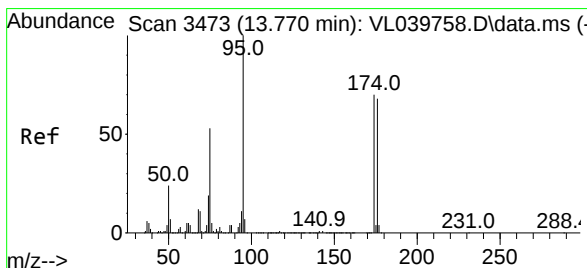
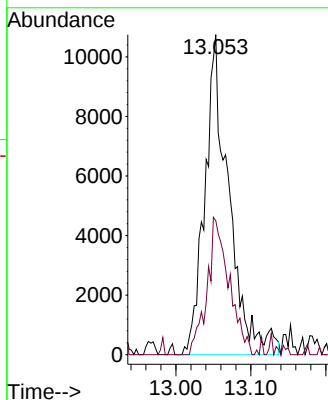
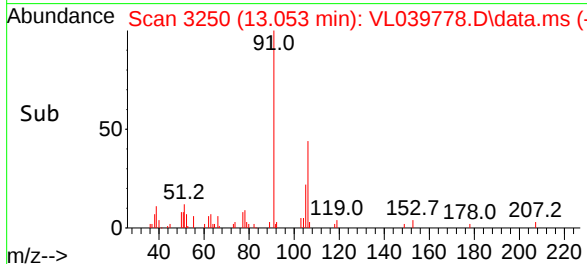
Instrument :
MSVOA_L
ClientSampleId :
E



Tgt Ion: 91 Resp: 23915
Ion Ratio Lower Upper
91 100
106 1.7 22.9 68.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.088 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.000 min
Lab File: VL039778.D
Acq: 25 Oct 2022 4:49

Tgt Ion: 95 Resp: 1524149
Ion Ratio Lower Upper
95 100
174 73.3 57.3 85.9
175 5.4 4.2 6.2

