

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039983.D
 Acq On : 12 Dec 2022 19:46
 Operator : SY/MD
 Sample : N5971-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 07:08:38 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1149912	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2907234	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2644556	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2180759	10.796	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.706	85	62220	0.378	ppbv	94
3) Chlorodifluoromethane	2.652	51	74120	0.467	ppbv	96
4) Chloromethane	2.790	50	48145	0.475	ppbv	94
11) Trichlorofluoromethane	3.539	101	46247	0.230	ppbv	91
13) Ethanol	3.211	45	1131096	198.207	ppbv	100
15) Acetone	3.446	43	828952	5.435	ppbv	98
20) Methylene Chloride	3.909	84	766916	10.379	ppbv	98
26) Hexane	5.192	57	485949	3.972	ppbv #	39
35) Carbon Tetrachloride	6.468	117	12412m	0.075	ppbv	
36) Benzene	6.349	78	57356	0.232	ppbv	94
52) Tetrachloroethene	10.587	164	2529m	0.027	ppbv	
53) Toluene	9.198	91	160063	0.569	ppbv	96
59) m/p-Xylene	12.323	91	51472m	0.171	ppbv	
60) o-Xylene	13.040	91	28005m	0.098	ppbv	

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

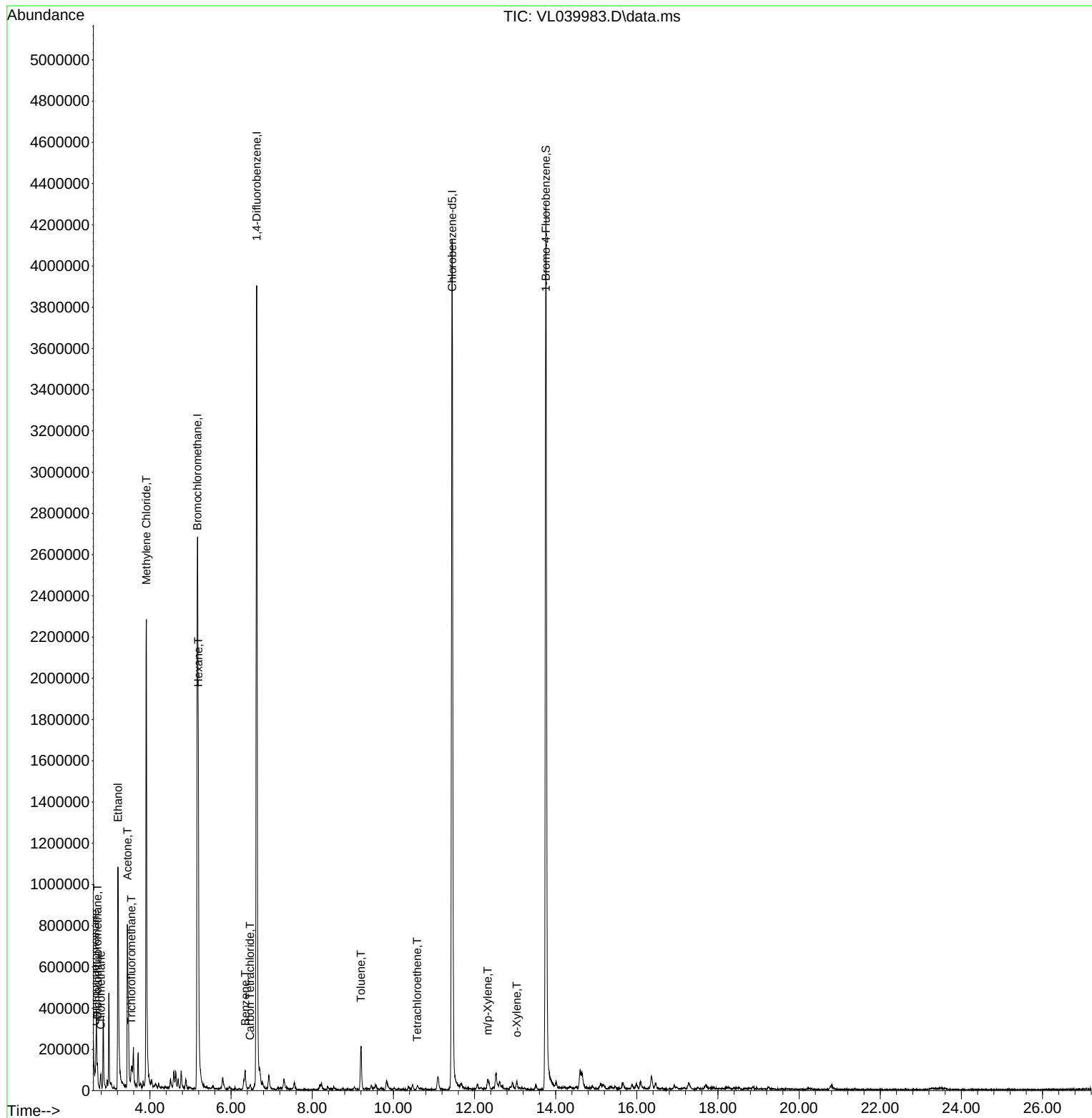
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039983.D
Acq On : 12 Dec 2022 19:46
Operator : SY/MD
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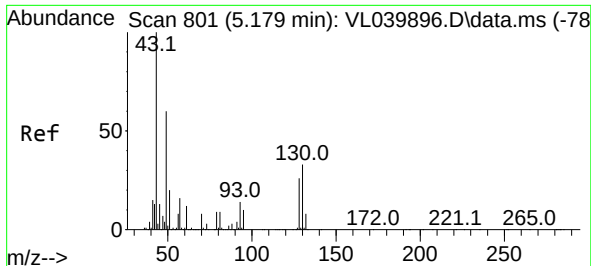
Instrument :
MSVOA_L
ClientSampleId :
OA-2

Quant Time: Dec 13 07:08:38 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 23:21:36 2022
Response via : Initial Calibration

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Supervised By : Mahesh Dadoda 12/14/2022





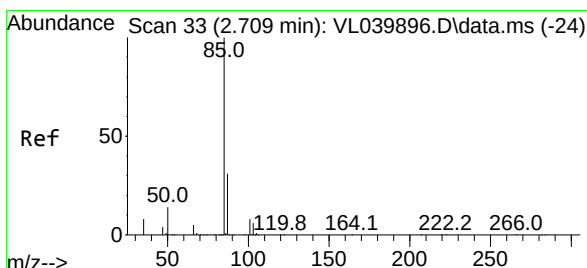
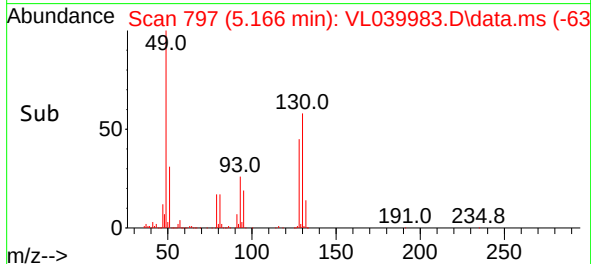
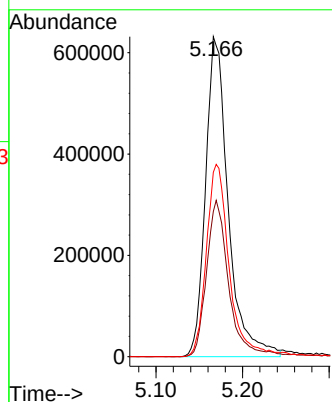
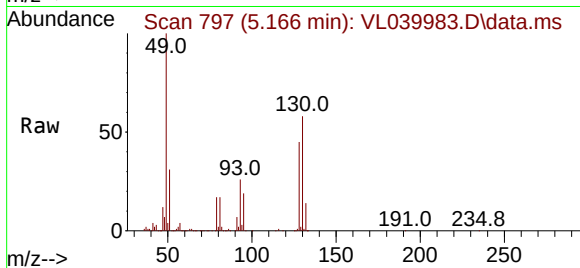
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
OA-2

Tgt Ion: 49 Resp: 114991
Ion Ratio Lower Upper
49 100
128 48.6 22.1 66.3
130 61.9 27.7 83.1

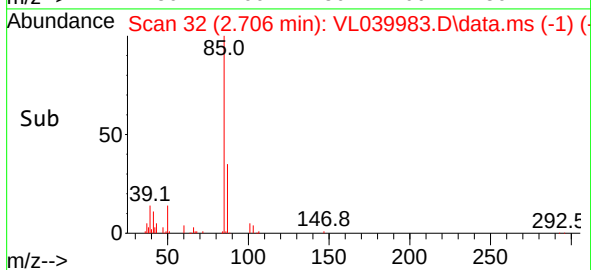
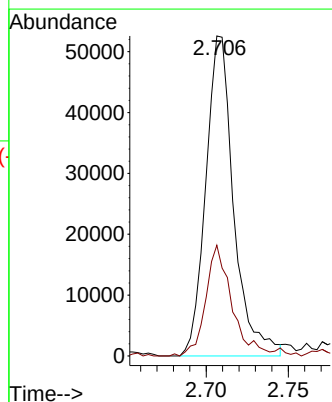
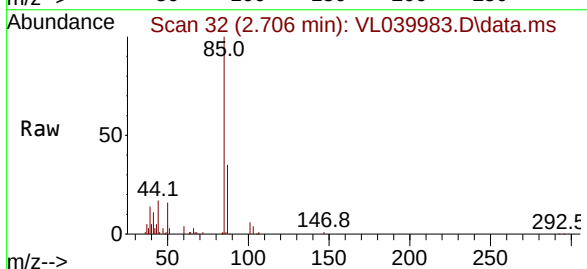
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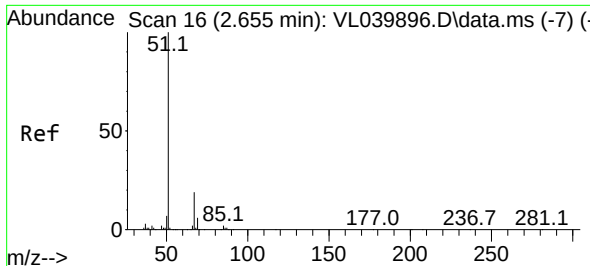
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.378 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

Tgt Ion: 85 Resp: 62220
Ion Ratio Lower Upper
85 100
87 34.6 25.0 37.4





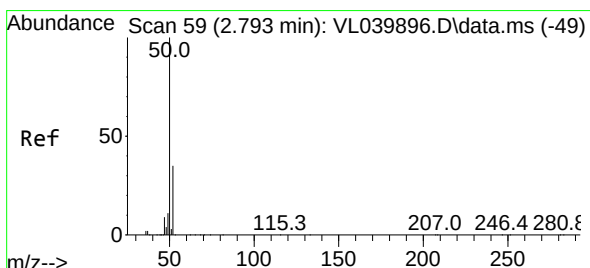
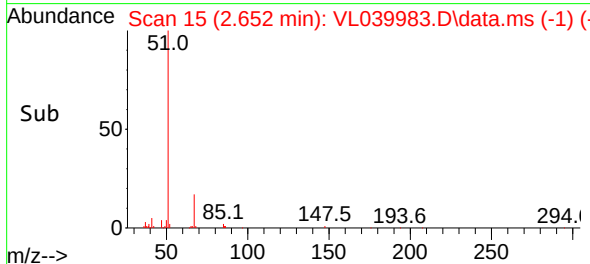
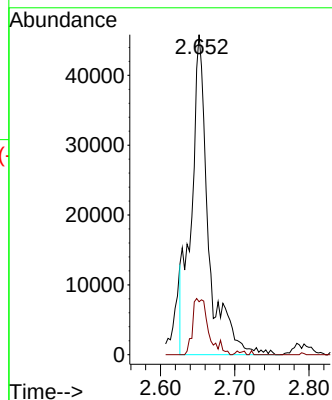
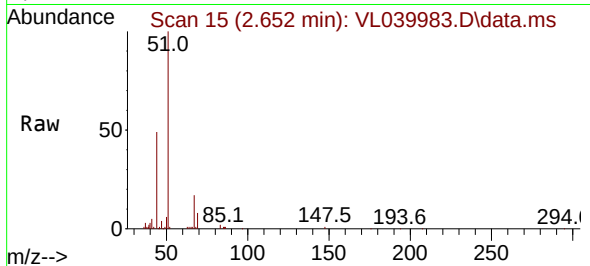
#3
Chlorodifluoromethane
Concen: 0.467 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
OA-2

Tgt Ion: 51 Resp: 74120
Ion Ratio Lower Upper
51 100
67 16.1 14.2 21.4

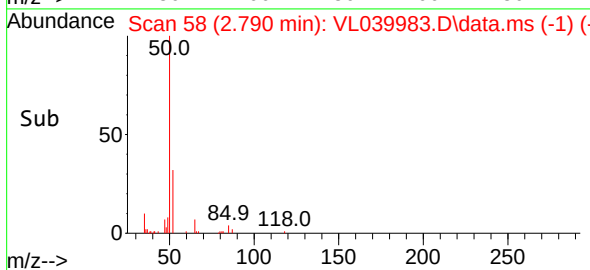
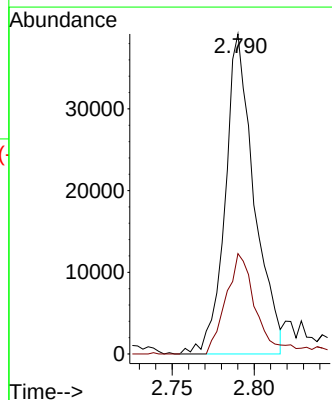
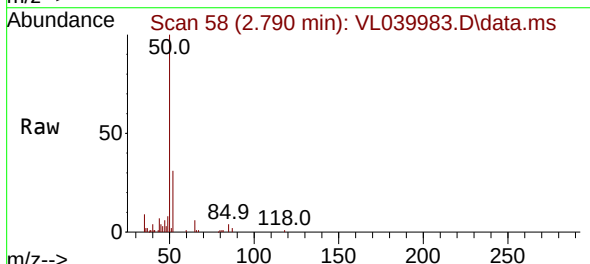
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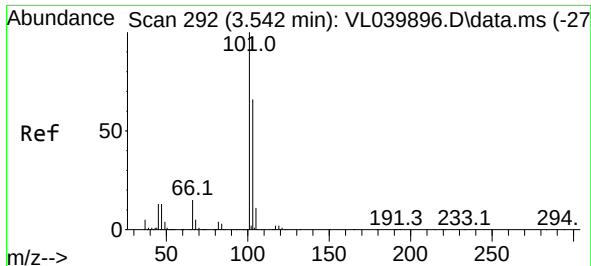
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#4
Chloromethane
Concen: 0.475 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

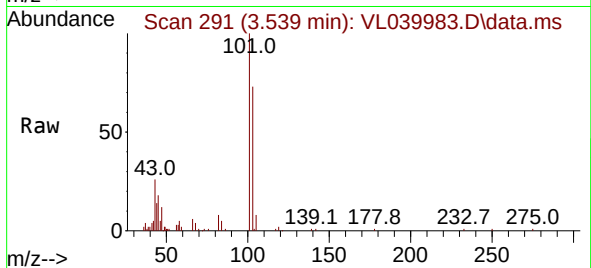
Tgt Ion: 50 Resp: 48145
Ion Ratio Lower Upper
50 100
52 31.3 27.8 41.8





#11
Trichlorofluoromethane
Concen: 0.230 ppbv
RT: 3.539 min Scan# 292
Delta R.T. 0.010 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

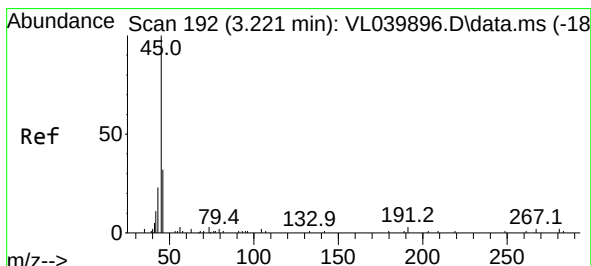
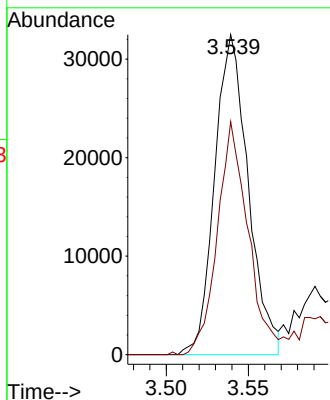
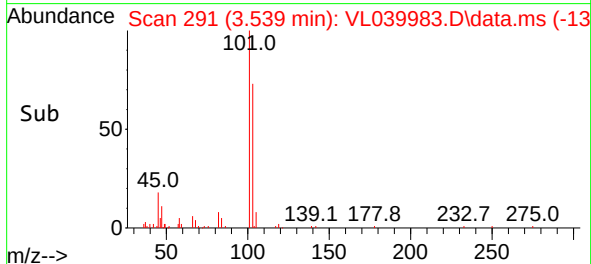
Instrument :
MSVOA_L
ClientSampleId :
OA-2



Tgt Ion:101 Resp: 4624
Ion Ratio Lower Upper
101 100
103 72.8 52.6 78.8

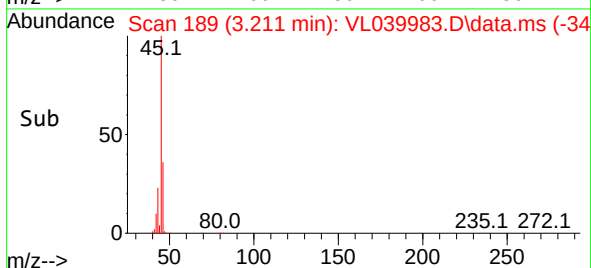
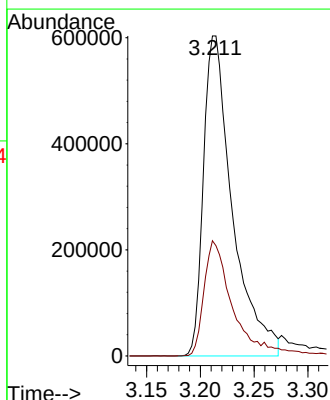
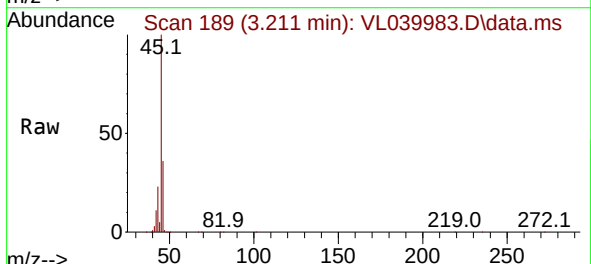
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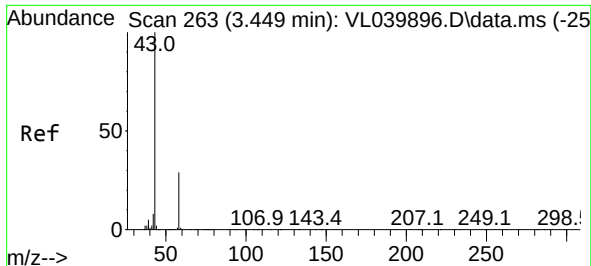
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#13
Ethanol
Concen: 198.207 ppbv
RT: 3.211 min Scan# 189
Delta R.T. -0.003 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

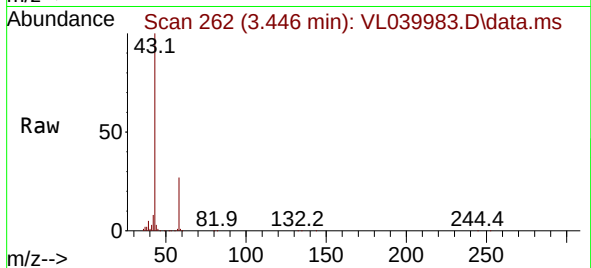
Tgt Ion: 45 Resp: 1131096
Ion Ratio Lower Upper
45 100
46 36.4 14.6 58.2





#15
Acetone
Concen: 5.435 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

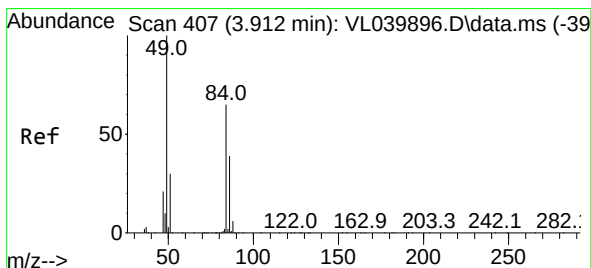
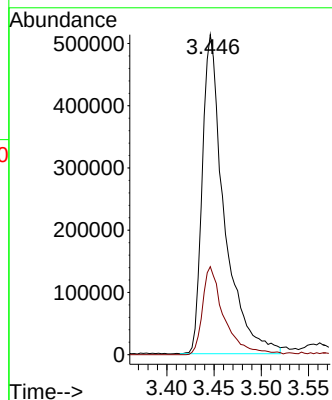
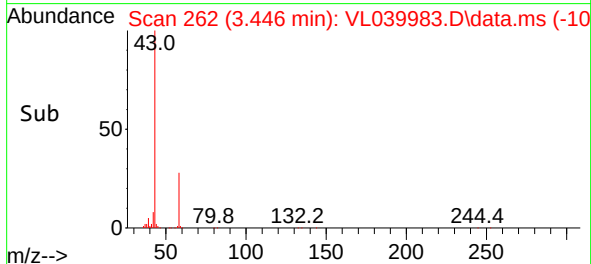
Instrument :
MSVOA_L
ClientSampleId :
OA-2



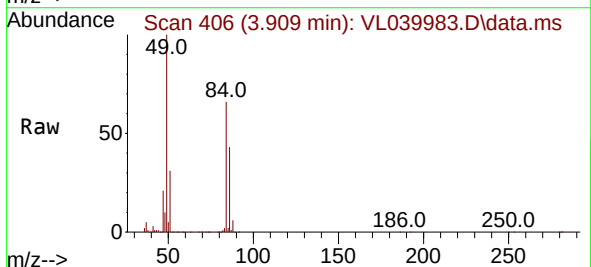
Tgt Ion: 43 Resp: 828952
Ion Ratio Lower Upper
43 100
58 27.3 22.9 34.3

Manual Integrations
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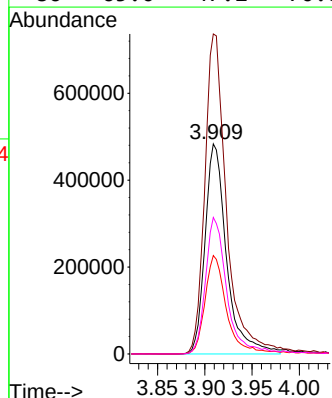
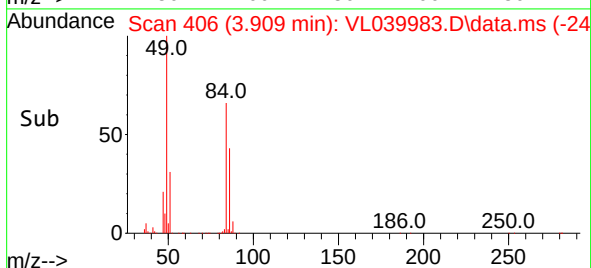
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Supervised By :Mahesh Dadoda 12/14/2022

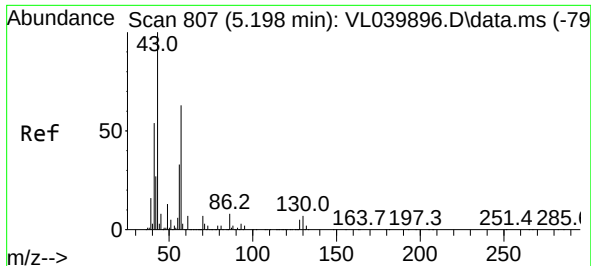


#20
Methylene Chloride
Concen: 10.379 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.013 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46



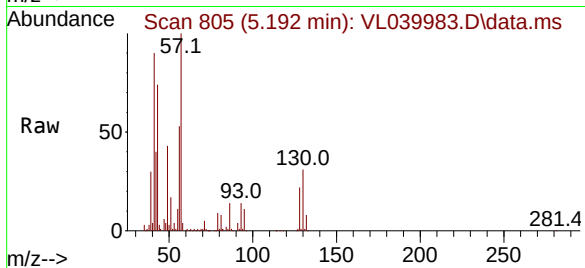
Tgt Ion: 84 Resp: 766916
Ion Ratio Lower Upper
84 100
49 152.3 122.2 183.4
51 46.7 36.3 54.5
86 65.0 47.2 70.8





#26
Hexane
Concen: 3.972 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.016 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

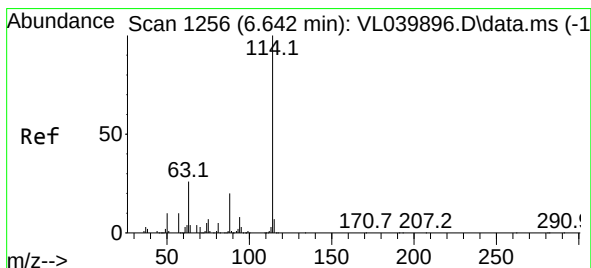
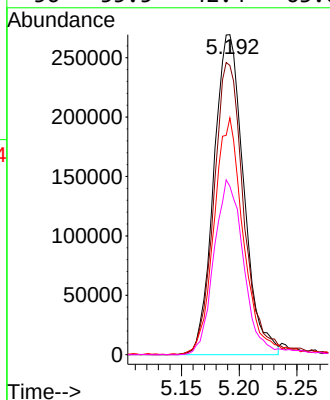
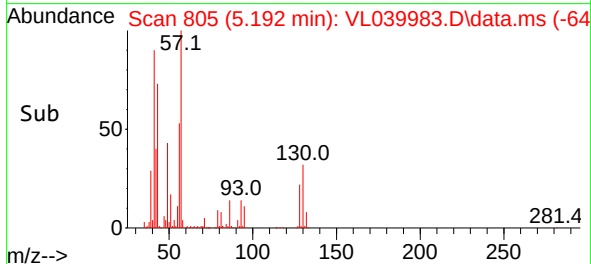
Instrument :
MSVOA_L
ClientSampleId :
OA-2



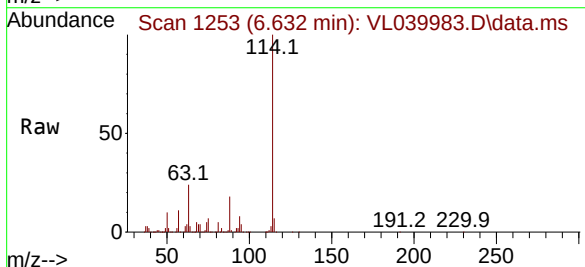
Tgt Ion: 57 Resp: 485949
Ion Ratio Lower Upper
57 100
41 93.4 72.3 108.5
43 73.8 188.7 283.1
56 55.5 42.4 63.6

Manual Integrations
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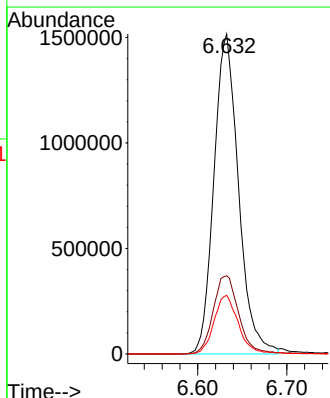
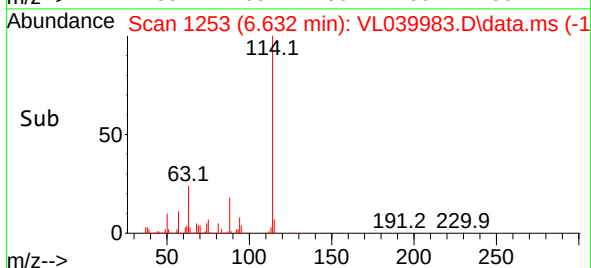
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

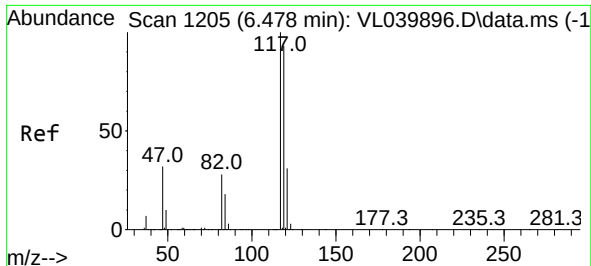


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.013 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46



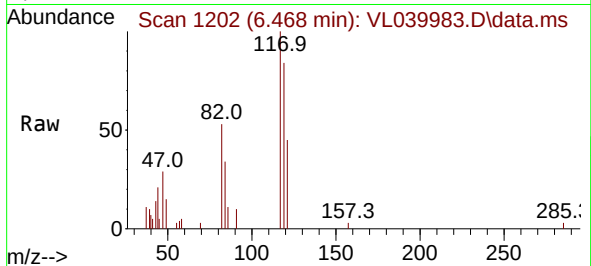
Tgt Ion:114 Resp: 2907234
Ion Ratio Lower Upper
114 100
63 25.8 21.4 32.0
88 18.3 15.3 22.9





#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.468 min Scan# 1165
Delta R.T. 0.013 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

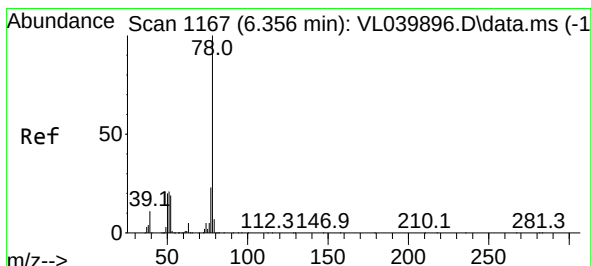
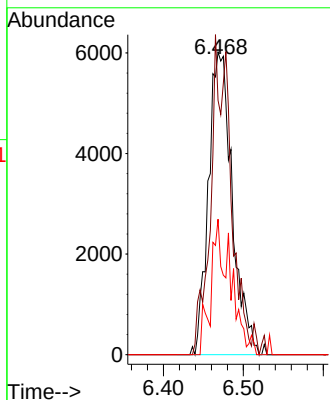
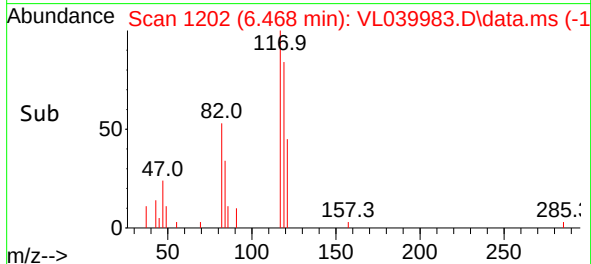
Instrument :
MSVOA_L
ClientSampleId :
OA-2



Tgt Ion: 117 Resp: 1241
Ion Ratio Lower Upper
117 100
119 84.0 74.7 112.1
121 44.8 24.5 36.7

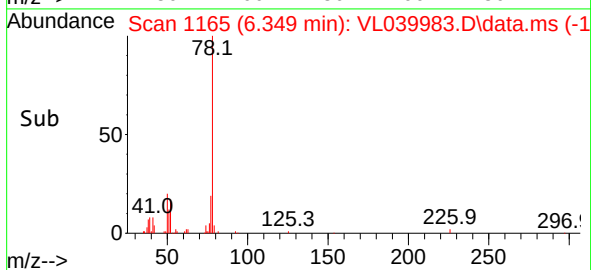
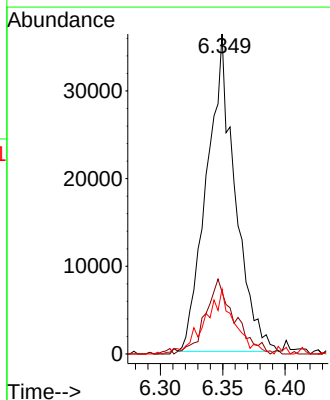
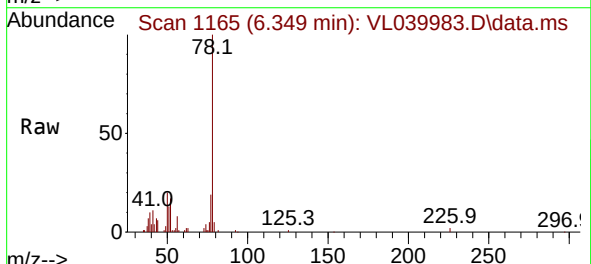
Manual Integrations
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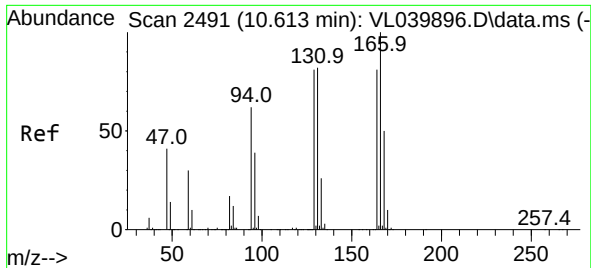
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#36
Benzene
Concen: 0.232 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

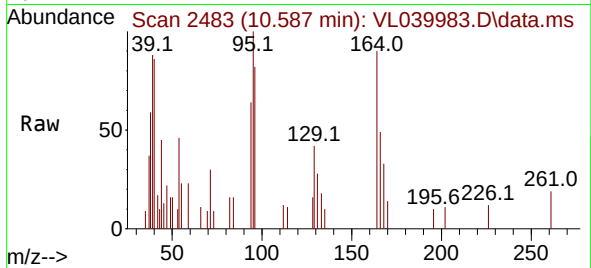
Tgt Ion: 78 Resp: 57356
Ion Ratio Lower Upper
78 100
77 18.3 18.2 27.2
50 18.8 15.8 23.8





#52
Tetrachloroethene
Concen: 0.027 ppbv m
RT: 10.587 min Scan# 2491
Delta R.T. 0.007 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

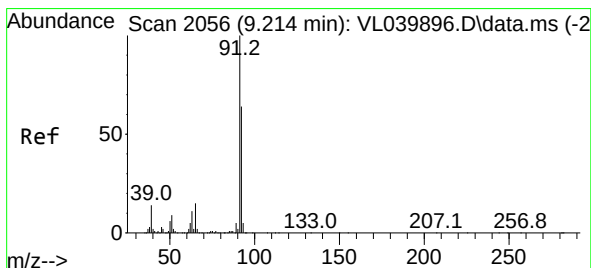
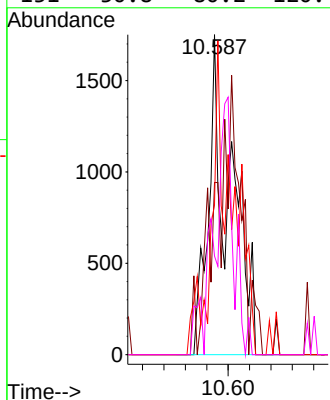
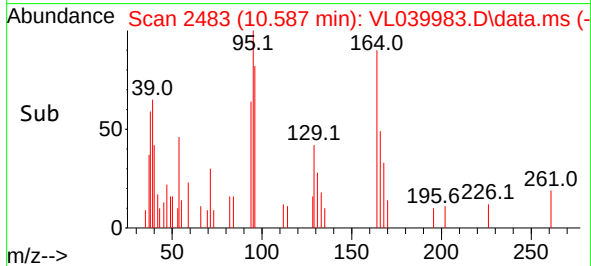
Instrument :
MSVOA_L
ClientSampleId :
OA-2



Tgt Ion:164 Resp: 2529
Ion Ratio Lower Upper
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166 53.8 98.3 147.5
129 46.7 79.7 119.5
131 30.8 80.2 120.4

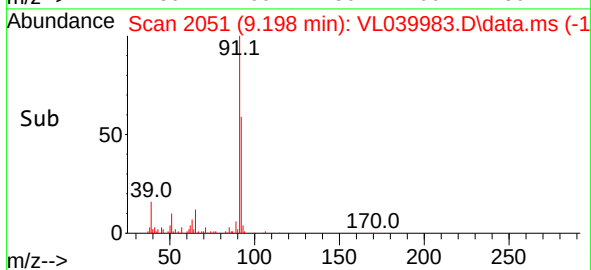
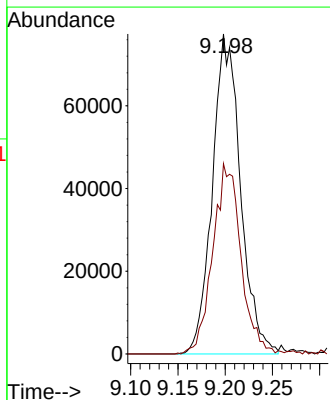
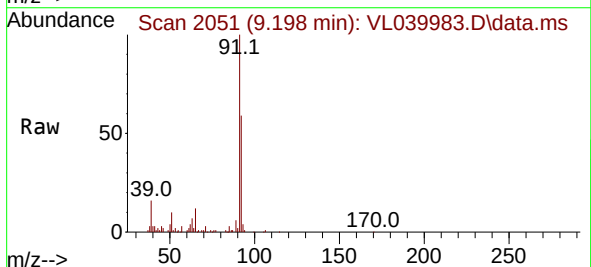
Manual Integrations
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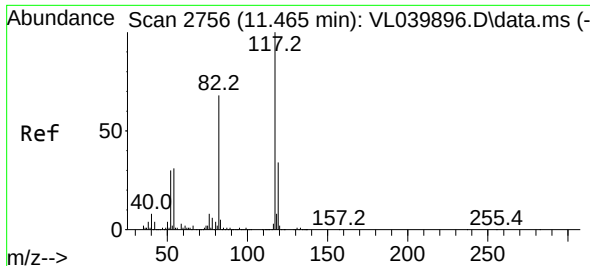
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#53
Toluene
Concen: 0.569 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. 0.013 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

Tgt Ion: 91 Resp: 160063
Ion Ratio Lower Upper
91 100
92 59.4 49.8 74.6





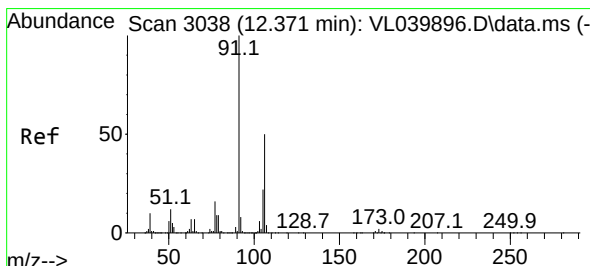
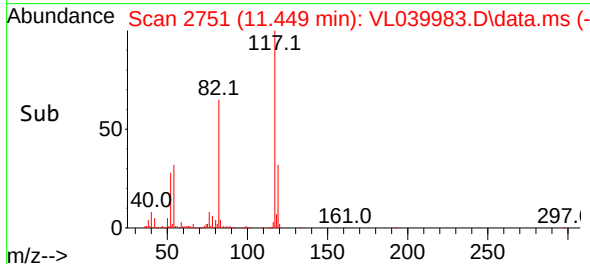
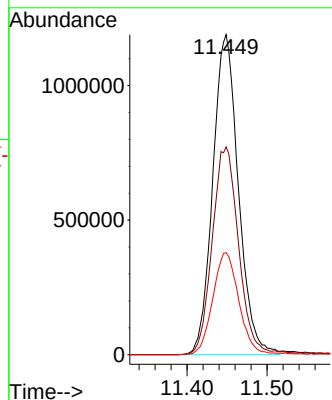
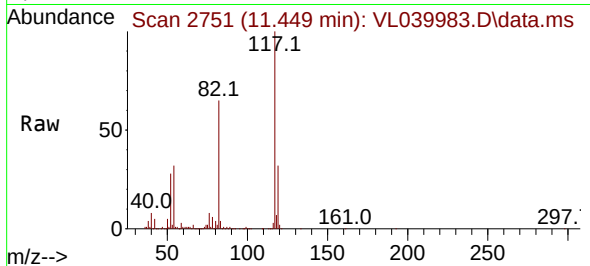
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 211
Delta R.T. 0.016 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
OA-2

Tgt Ion:117 Resp: 2644550
Ion Ratio Lower Upper
117 100
82 67.9 52.3 78.5
119 33.0 25.7 38.5

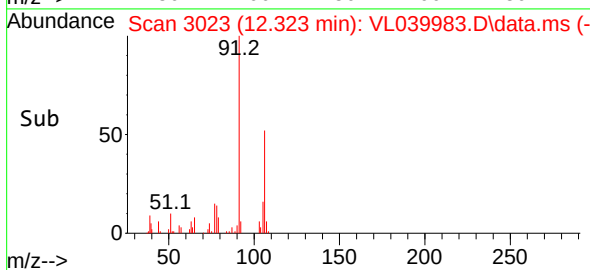
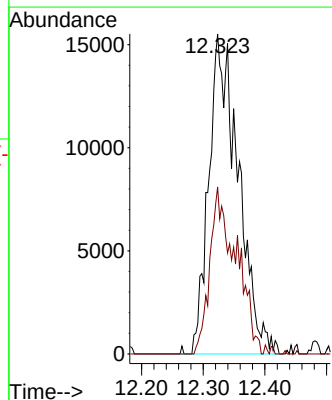
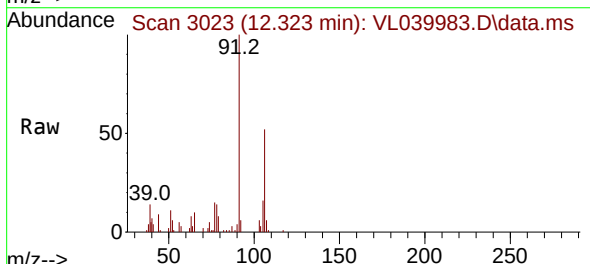
Manual Integrations
APPROVED

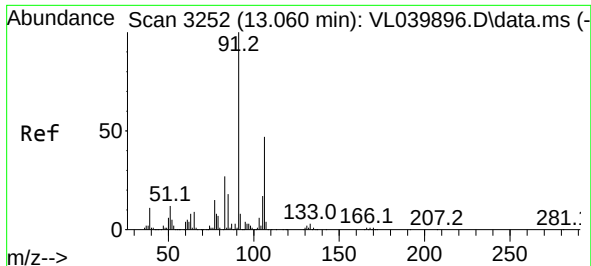
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#59
m/p-Xylene
Concen: 0.171 ppbv m
RT: 12.323 min Scan# 3023
Delta R.T. -0.016 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

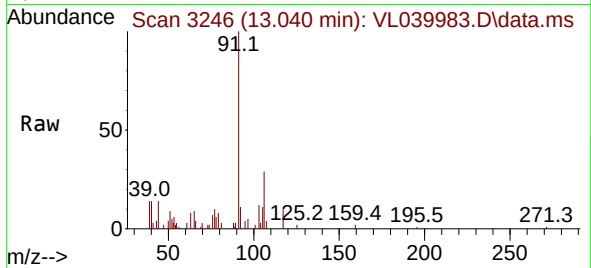
Tgt Ion: 91 Resp: 51472
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#





#60
o-Xylene
Concen: 0.098 ppbv m
RT: 13.040 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

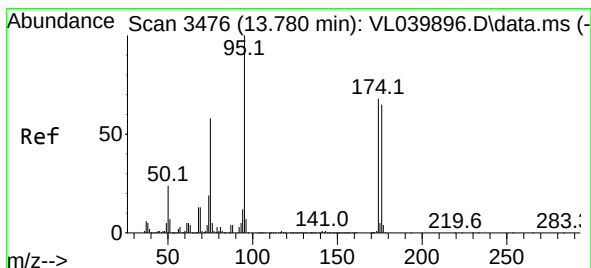
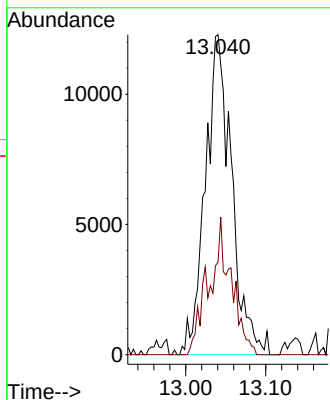
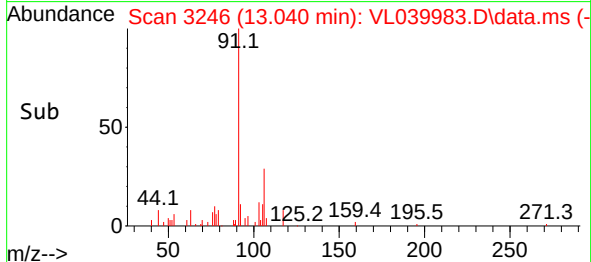
Instrument :
MSVOA_L
ClientSampleId :
OA-2



Tgt Ion: 91 Resp: 2800
Ion Ratio Lower Upper
91 100
106 0.0 23.2 69.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.796 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.020 min
Lab File: VL039983.D
Acq: 12 Dec 2022 19:46

Tgt Ion: 95 Resp: 2180759
Ion Ratio Lower Upper
95 100
174 60.6 53.7 80.5
175 4.3 4.0 6.0

