

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071222\
 Data File : VL039465.D
 Acq On : 13 Jul 2022 2:41
 Operator : SY/AP
 Sample : N3660-06DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-9DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2022
 Supervised By :Mahesh Dadoda 07/13/2022

Quant Time: Jul 13 05:58:40 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 13 11:34:08 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.681	49	1372985	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	3837066	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	3481932	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	2642314	10.229	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.060	85	32520	0.164	ppbv #	85
3) Chlorodifluoromethane	2.977	51	58974	0.339	ppbv #	64
9) Propene	3.031	41	15698m	0.200	ppbv	
10) Heptane	8.137	43	39940	0.217	ppbv	95
13) Ethanol	3.607	45	720933	157.963	ppbv	74
15) Acetone	3.864	43	327239	2.015	ppbv	95
19) Isopropyl Alcohol	3.973	45	1955233	22.567	ppbv #	92
20) Methylene Chloride	4.359	84	292129	4.512	ppbv	97
25) Ethyl Acetate	5.681	43	5519811	16.573	ppbv #	92
30) Cyclohexane	7.144	84	24493m	0.200	ppbv	
36) Benzene	6.902	78	64183	0.216	ppbv #	88
52) Tetrachloroethene	11.240	164	40314	0.337	ppbv	87
53) Toluene	9.819	91	232450	0.679	ppbv	98
58) Ethyl Benzene	12.722	91	134088	0.298	ppbv	94
59) m/p-Xylene	12.976	91	716722	1.808	ppbv	97
60) o-Xylene	13.700	91	360010	0.959	ppbv	97
72) 4-Ethyltoluene	15.844	105	57633m	0.131	ppbv	
73) 1,3,5-Trimethylbenzene	16.008	105	80221	0.198	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.773	105	252739	0.564	ppbv #	73

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

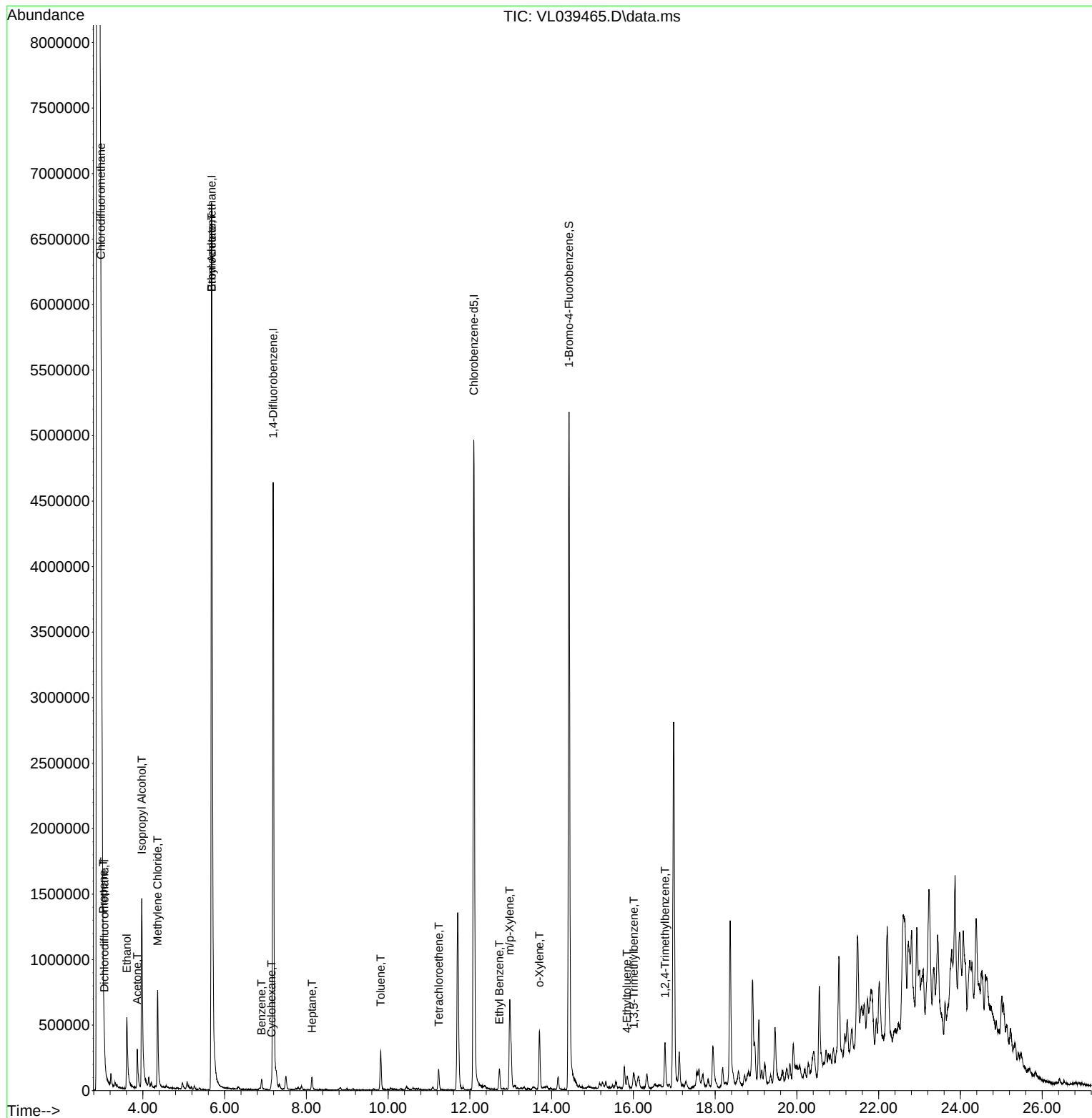
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071222\
Data File : VL039465.D
Acq On : 13 Jul 2022 2:41
Operator : SY/AP
Sample : N3660-06DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

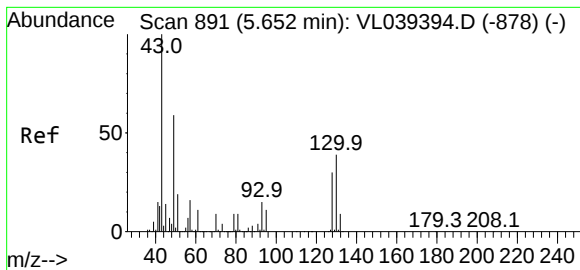
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Quant Time: Jul 13 05:58:40 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

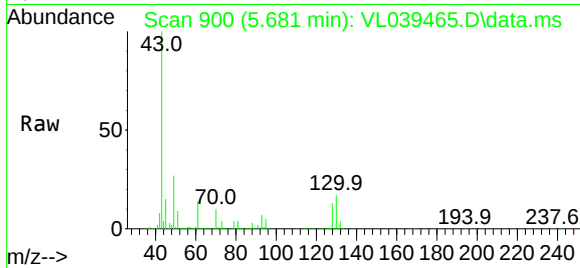
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.029 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

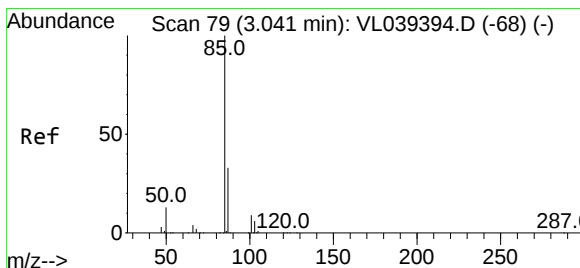
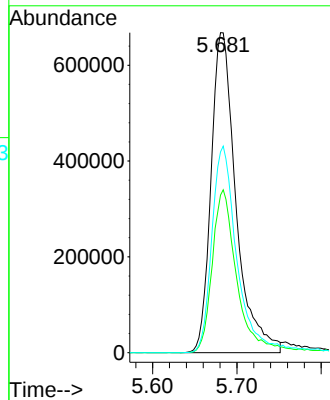
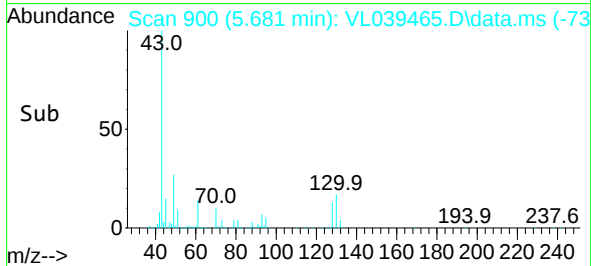
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



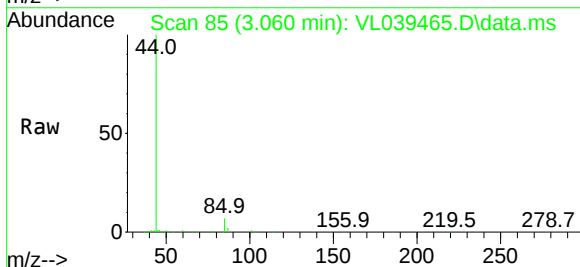
Tgt Ion: 49 Resp: 137298
Ion Ratio Lower Upper
49 100
128 51.9 26.7 80.0
130 66.4 34.3 102.8

Manual Integrations
APPROVED

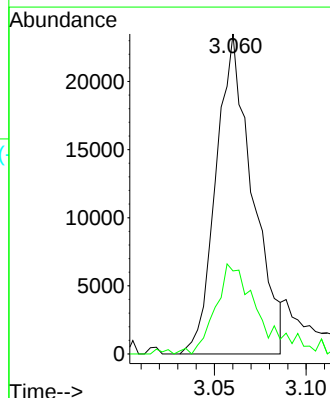
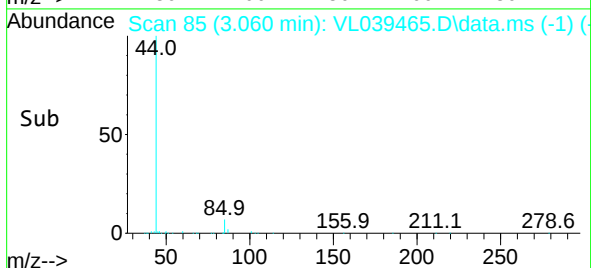
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

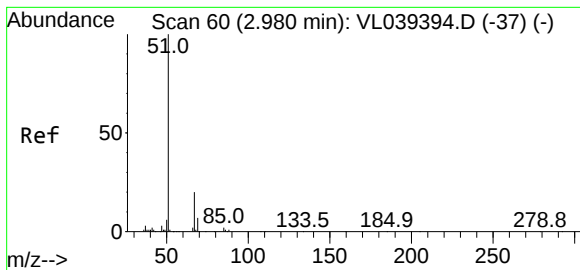


#2
Dichlorodifluoromethane
Concen: 0.164 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.019 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41



Tgt Ion: 85 Resp: 32520
Ion Ratio Lower Upper
85 100
87 25.0 26.7 40.1#





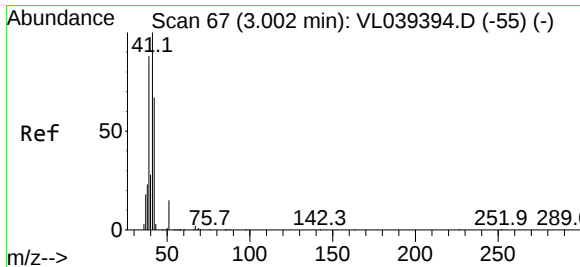
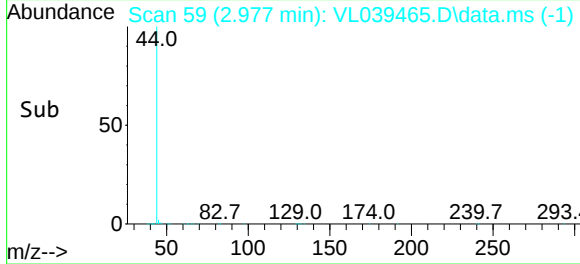
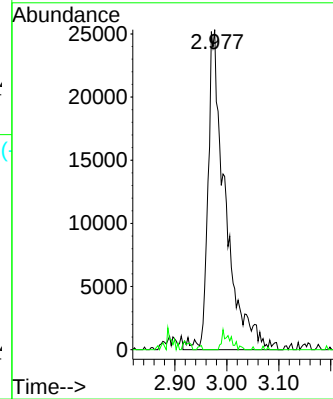
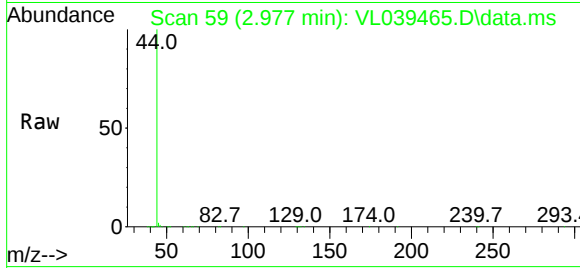
#3
Chlorodifluoromethane
Concen: 0.339 ppbv
RT: 2.977 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 51 Resp: 58974
Ion Ratio Lower Upper
51 100
67 3.0 15.7 23.5

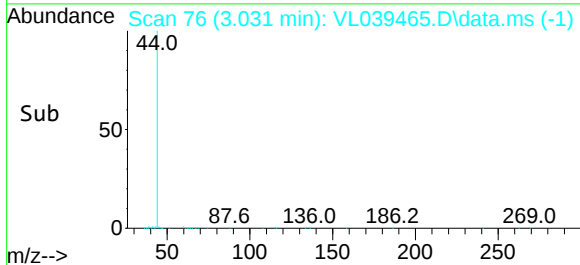
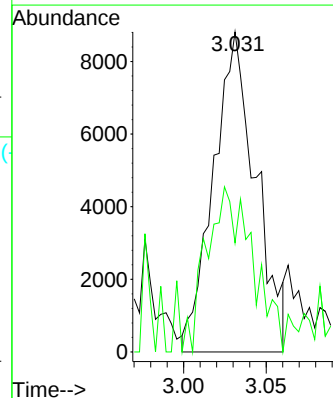
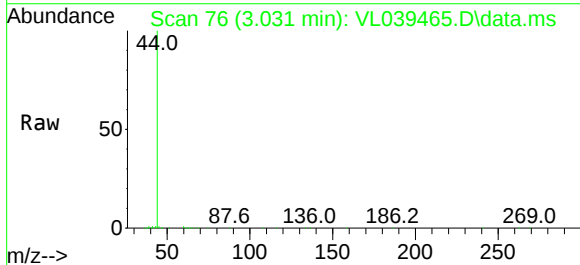
Manual Integrations
APPROVED

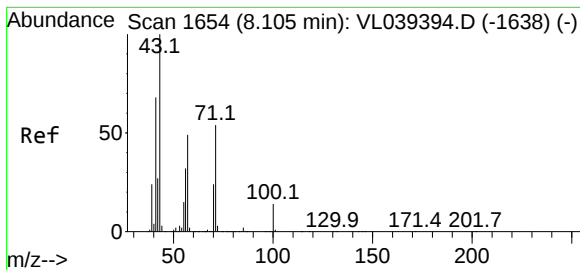
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#9
Propene
Concen: 0.200 ppbv m
RT: 3.031 min Scan# 76
Delta R.T. 0.029 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

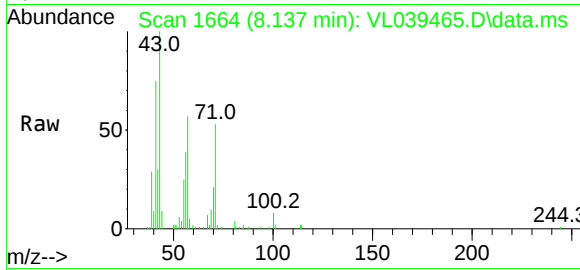
Tgt Ion: 41 Resp: 15698
Ion Ratio Lower Upper
41 100
42 60.7 55.2 82.8





#10
Heptane
Concen: 0.217 ppbv
RT: 8.137 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

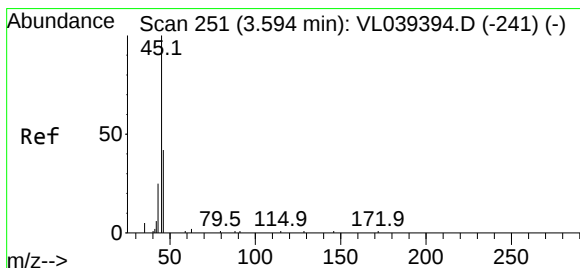
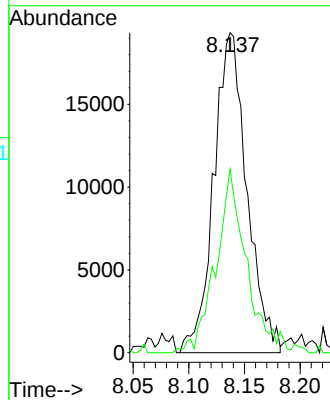
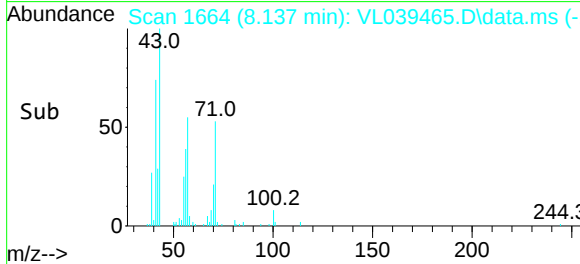
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



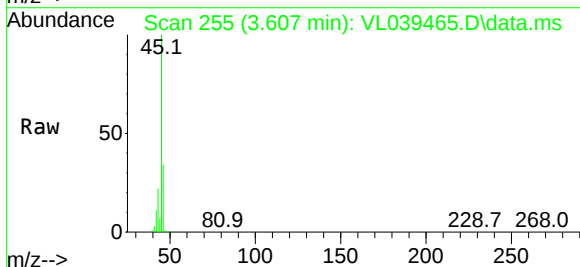
Tgt Ion: 43 Resp: 39940
Ion Ratio Lower Upper
43 100
57 53.8 40.5 60.7

Manual Integrations
APPROVED

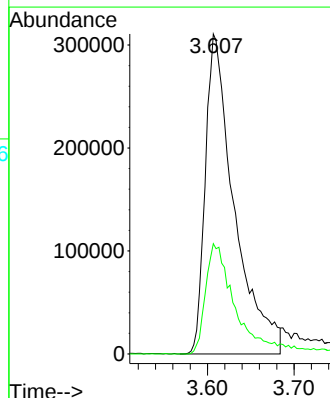
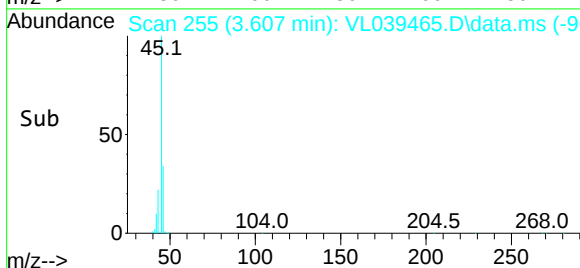
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

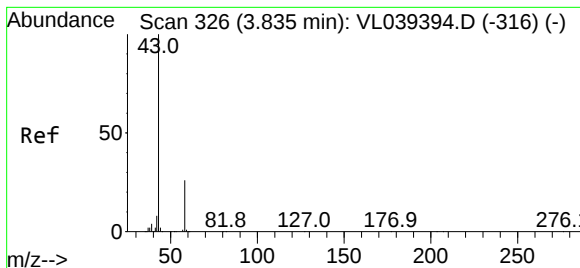


#13
Ethanol
Concen: 157.963 ppbv
RT: 3.607 min Scan# 255
Delta R.T. 0.013 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41



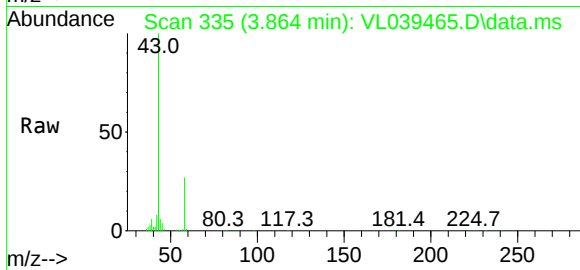
Tgt Ion: 45 Resp: 720933
Ion Ratio Lower Upper
45 100
46 37.9 22.8 91.2





#15
Acetone
Concen: 2.015 ppbv
RT: 3.864 min Scan# 31
Delta R.T. 0.029 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

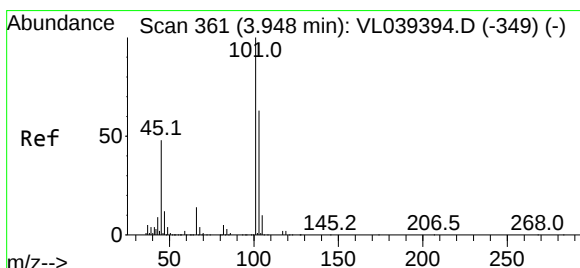
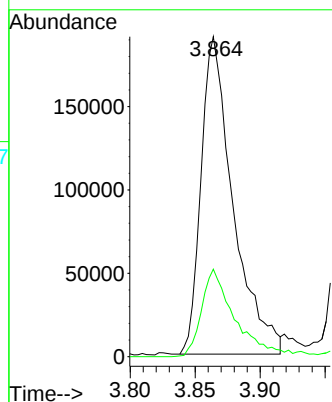
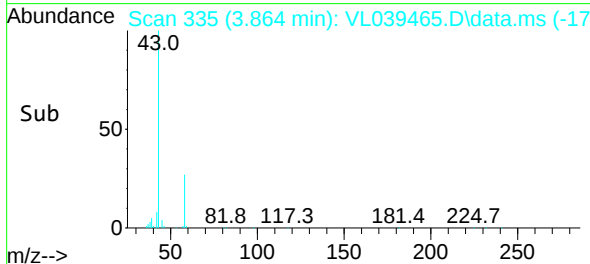
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



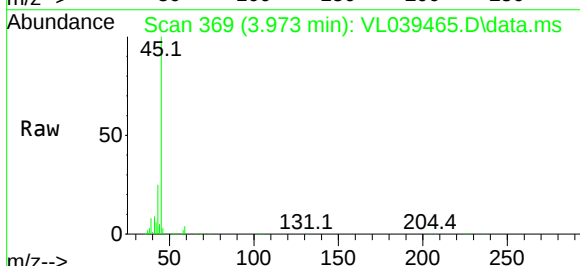
Tgt Ion: 43 Resp: 327239
Ion Ratio Lower Upper
43 100
58 29.0 21.0 31.6

Manual Integrations
APPROVED

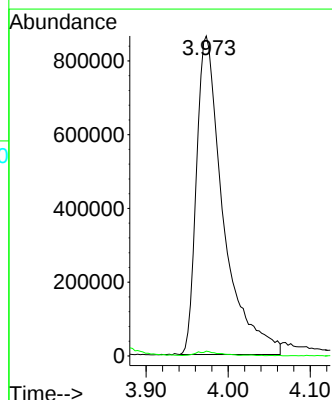
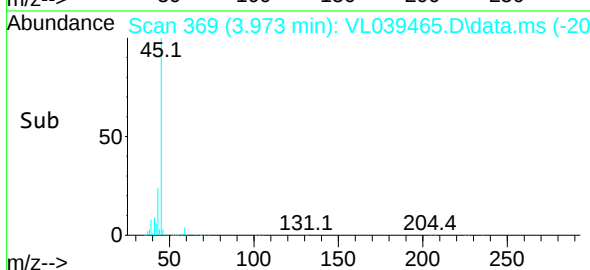
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

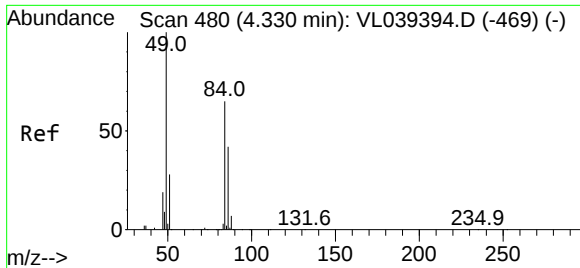


#19
Isopropyl Alcohol
Concen: 22.567 ppbv
RT: 3.973 min Scan# 369
Delta R.T. 0.026 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41



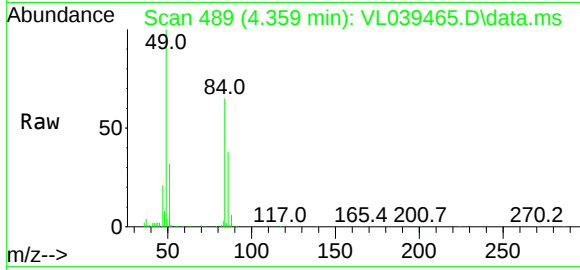
Tgt Ion: 45 Resp: 1955233
Ion Ratio Lower Upper
45 100
58 1.3 3.2 4.8#





#20
Methylene Chloride
Concen: 4.512 ppbv
RT: 4.359 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

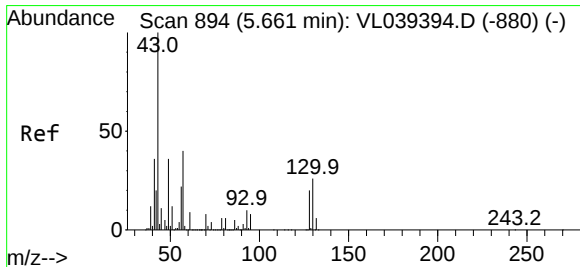
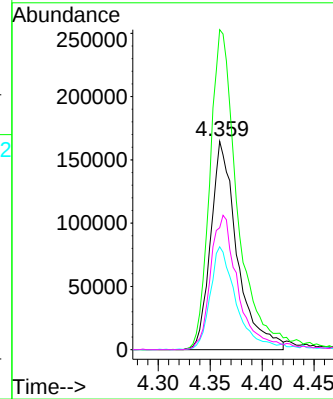
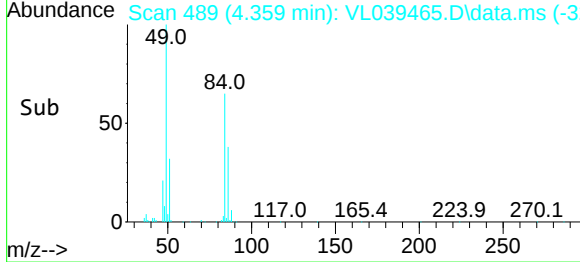
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



Tgt Ion: 84 Resp: 292129
Ion Ratio Lower Upper
84 100
49 153.6 123.1 184.7
51 49.2 34.4 51.6
86 58.5 51.1 76.7

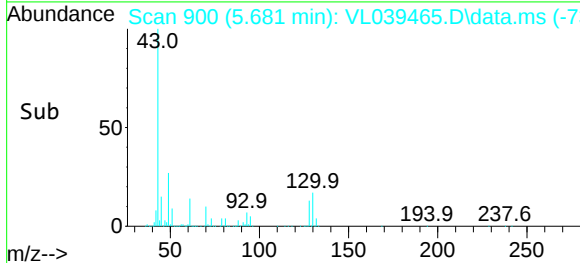
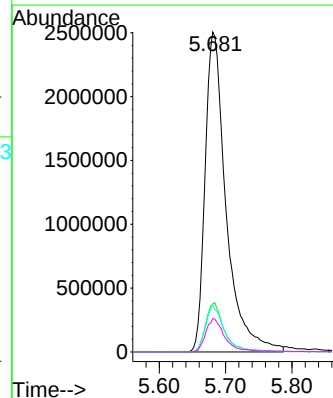
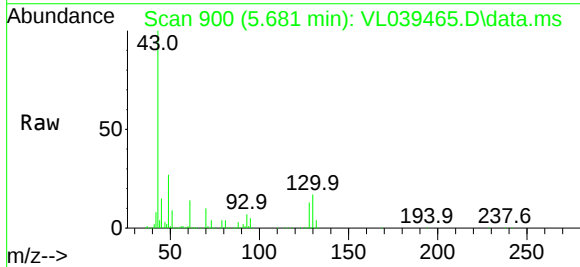
Manual Integrations
APPROVED

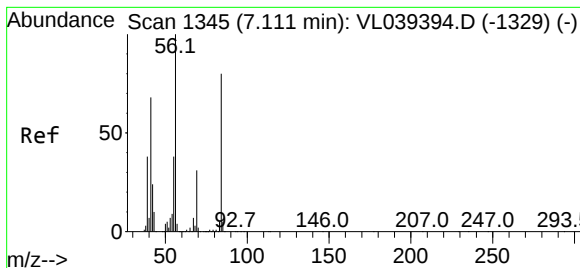
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#25
Ethyl Acetate
Concen: 16.573 ppbv
RT: 5.681 min Scan# 900
Delta R.T. 0.019 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

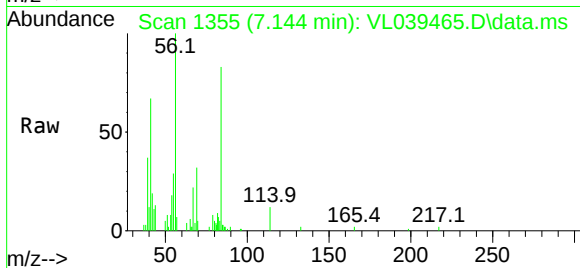
Tgt Ion: 43 Resp: 5519811
Ion Ratio Lower Upper
43 100
45 14.2 8.2 12.4#
61 13.1 8.3 12.5#
70 9.7 5.9 8.9#





#30
Cyclohexane
Concen: 0.200 ppbv m
RT: 7.144 min Scan# 1345
Delta R.T. 0.032 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

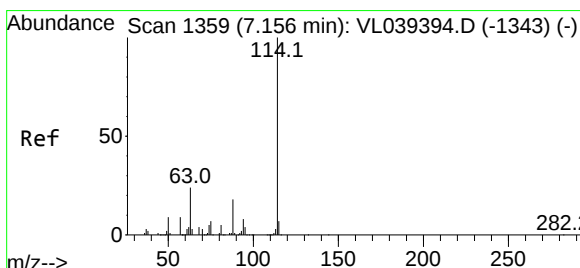
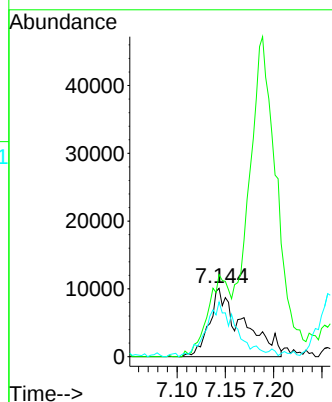
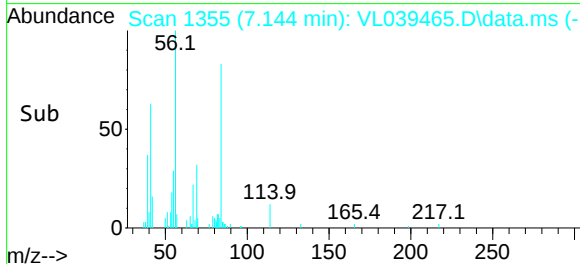
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



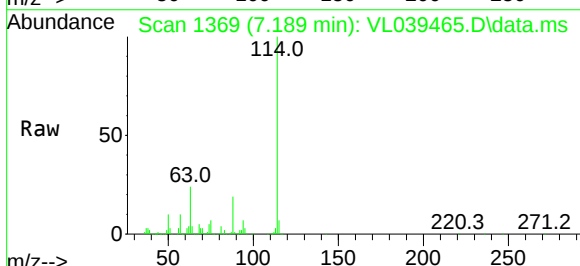
Tgt Ion: 84 Resp: 2449
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5
41 0.0 67.7 101.5

Manual Integrations
APPROVED

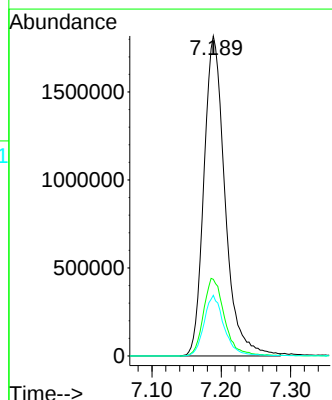
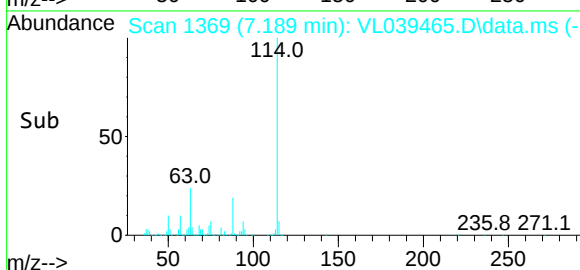
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

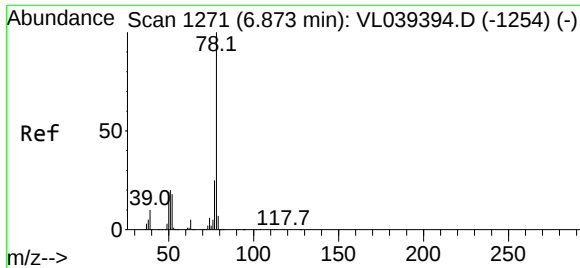


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.189 min Scan# 1369
Delta R.T. 0.032 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41



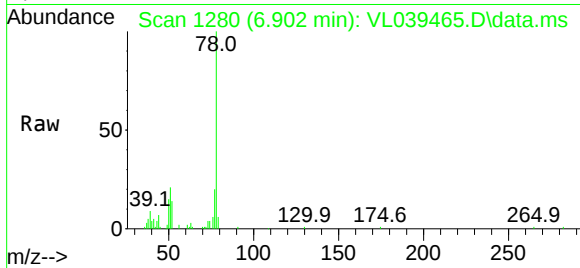
Tgt Ion:114 Resp: 3837066
Ion Ratio Lower Upper
114 100
63 24.4 20.2 30.4
88 18.3 14.5 21.7





#36
Benzene
Concen: 0.216 ppbv
RT: 6.902 min Scan# 1271
Delta R.T. 0.029 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

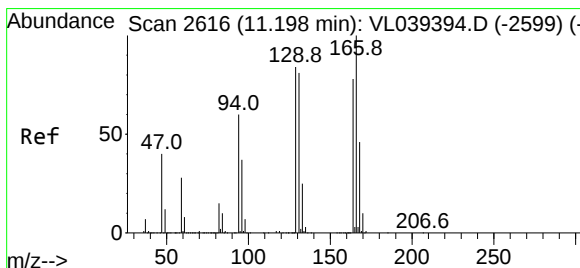
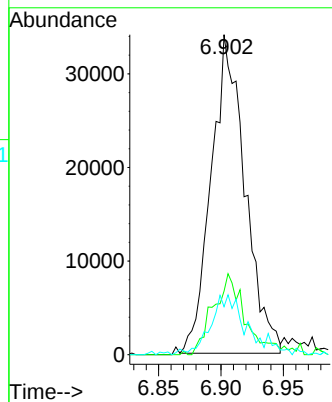
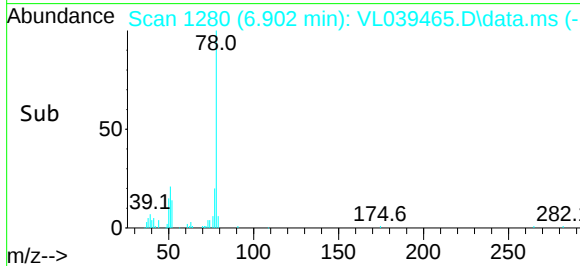
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



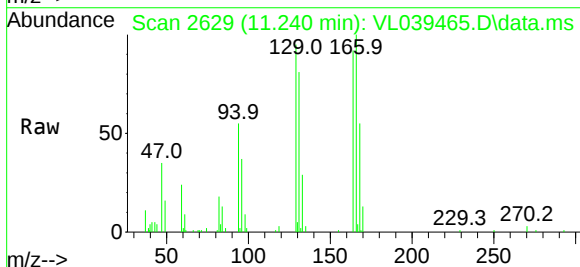
Tgt Ion: 78 Resp: 6418
Ion Ratio Lower Upper
78 100
77 20.0 20.3 30.5
50 13.3 15.5 23.3

Manual Integrations
APPROVED

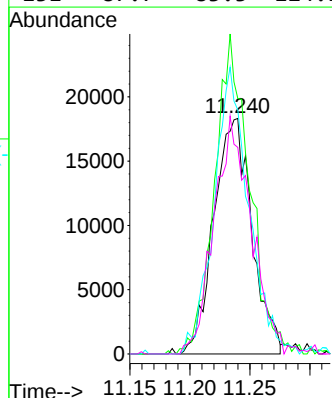
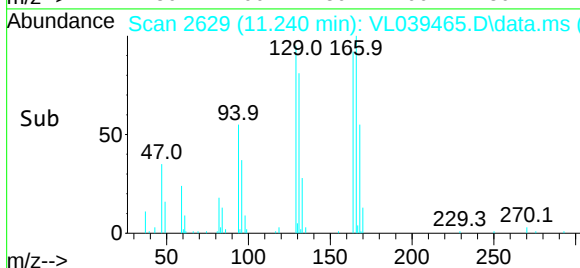
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

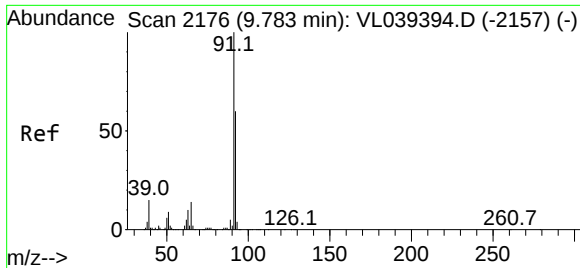


#52
Tetrachloroethene
Concen: 0.337 ppbv
RT: 11.240 min Scan# 2629
Delta R.T. 0.042 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41



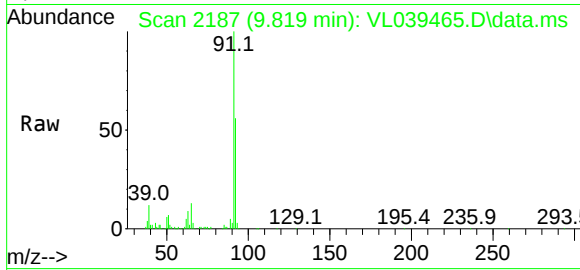
Tgt Ion:164 Resp: 40314
Ion Ratio Lower Upper
164 100
166 106.2 102.2 153.2
129 103.6 85.8 128.8
131 87.7 83.3 124.9





#53
Toluene
Concen: 0.679 ppbv
RT: 9.819 min Scan# 2176
Delta R.T. 0.035 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

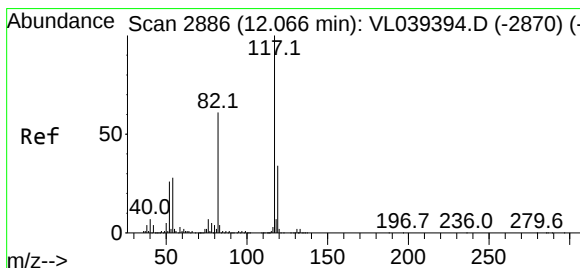
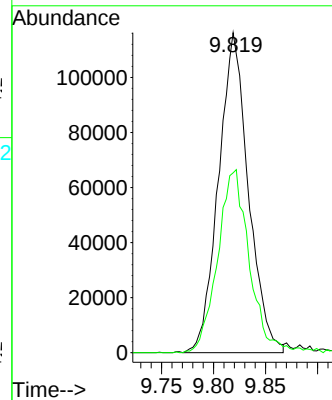
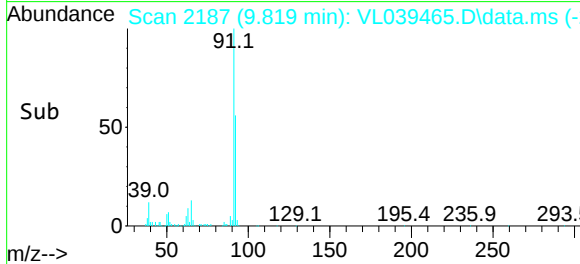
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



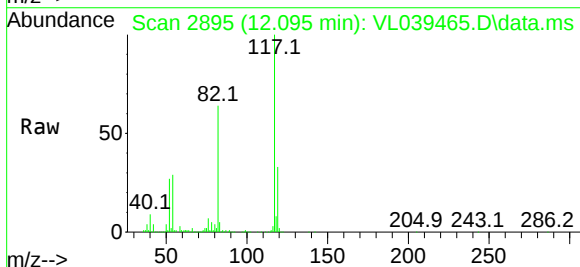
Tgt Ion: 91 Resp: 232450
Ion Ratio Lower Upper
91 100
92 61.4 48.2 72.2

Manual Integrations
APPROVED

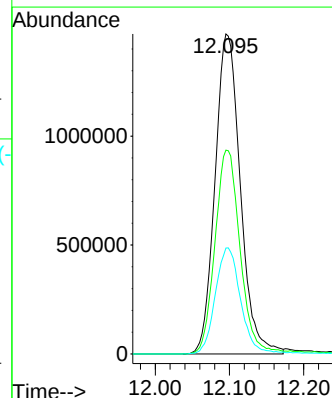
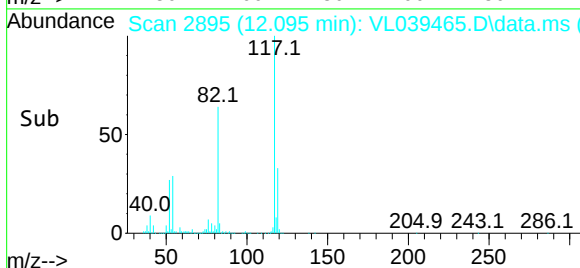
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

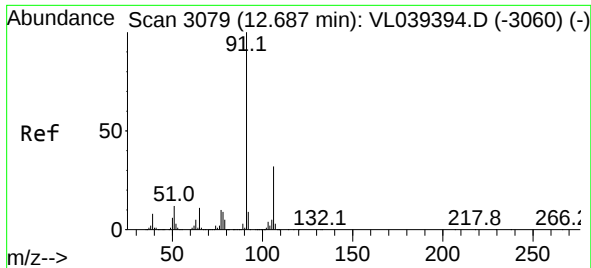


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 2895
Delta R.T. 0.029 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41



Tgt Ion:117 Resp: 3481932
Ion Ratio Lower Upper
117 100
82 64.0 50.8 76.2
119 33.3 24.1 36.1





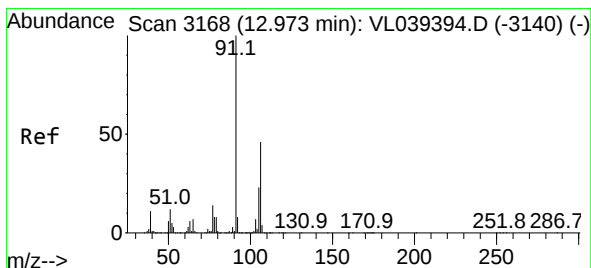
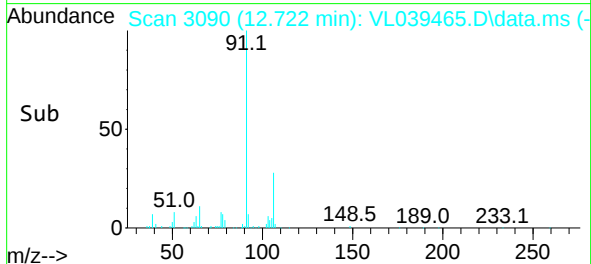
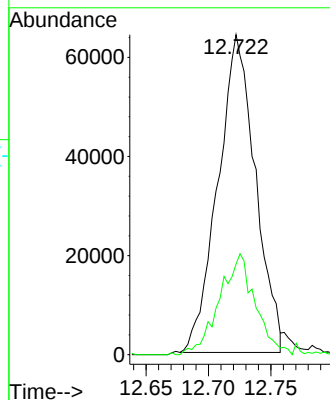
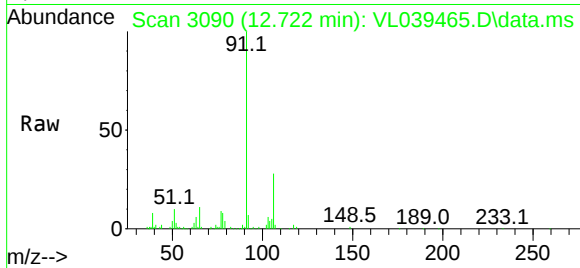
#58
Ethyl Benzene
Concen: 0.298 ppbv
RT: 12.722 min Scan# 3079
Delta R.T. 0.035 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 91 Resp: 134088
Ion Ratio Lower Upper
91 100
106 28.5 25.4 38.0

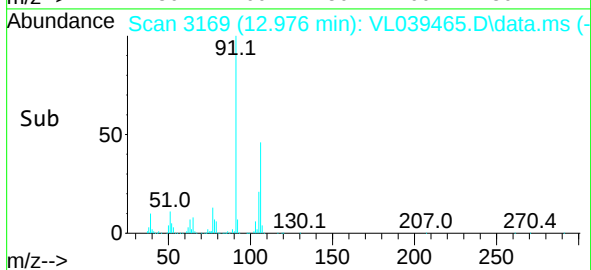
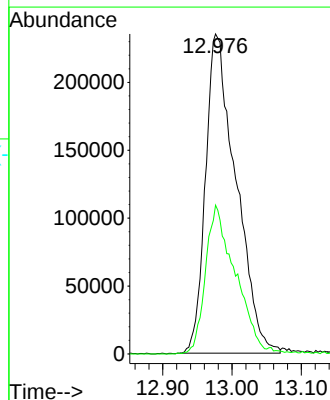
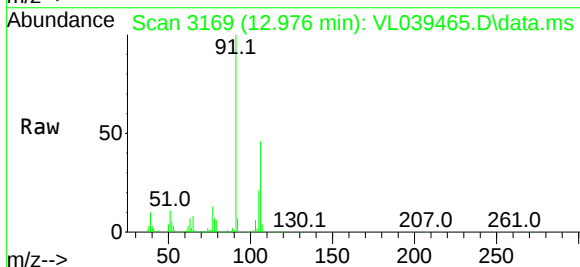
Manual Integrations
APPROVED

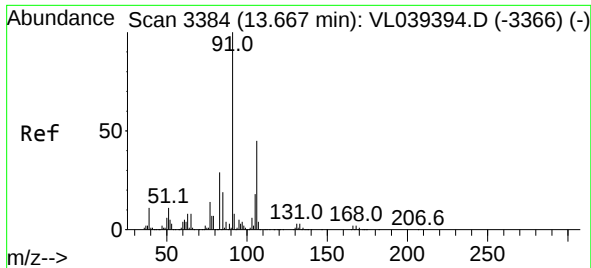
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#59
m/p-Xylene
Concen: 1.808 ppbv
RT: 12.976 min Scan# 3169
Delta R.T. 0.003 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 91 Resp: 716722
Ion Ratio Lower Upper
91 100
106 46.0 35.4 53.2





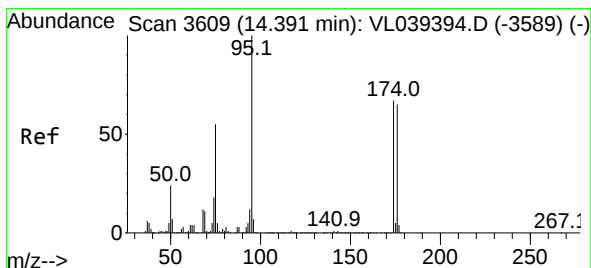
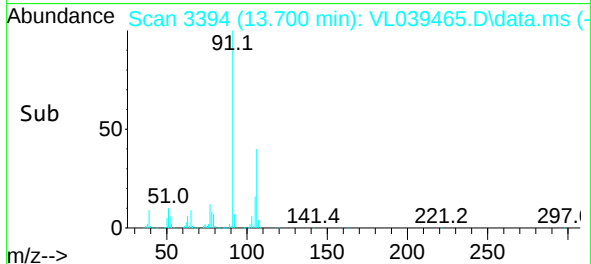
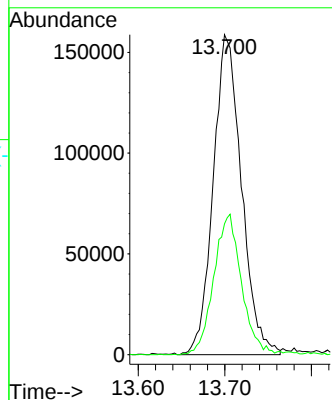
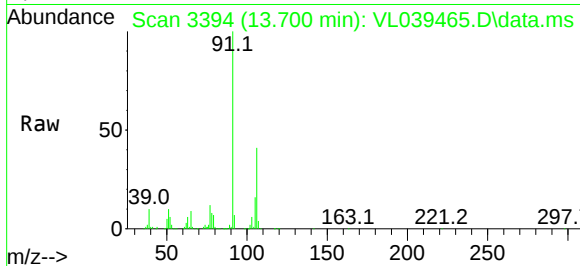
#60
o-Xylene
Concen: 0.959 ppbv
RT: 13.700 min Scan# 31
Delta R.T. 0.032 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 91 Resp: 360010
Ion Ratio Lower Upper
91 100
106 43.1 22.4 67.3

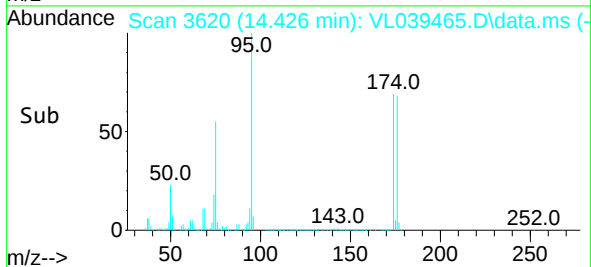
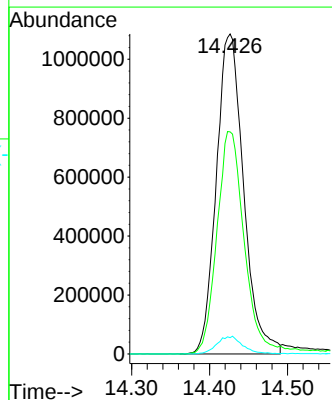
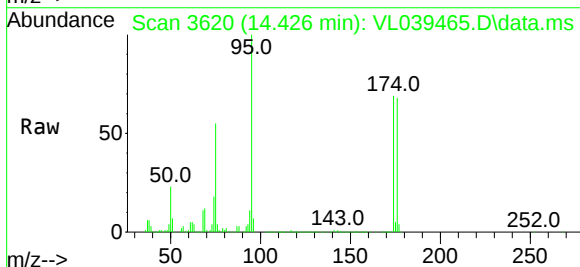
Manual Integrations
APPROVED

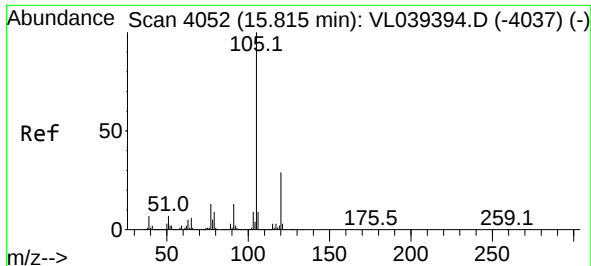
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.229 ppbv
RT: 14.426 min Scan# 3620
Delta R.T. 0.035 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

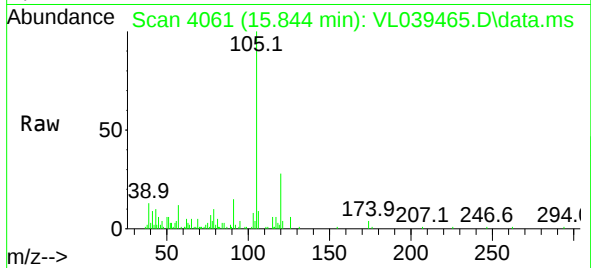
Tgt Ion: 95 Resp: 2642314
Ion Ratio Lower Upper
95 100
174 71.3 55.9 83.9
175 5.4 4.2 6.4





#72
4-Ethyltoluene
Concen: 0.131 ppbv m
RT: 15.844 min Scan# 4052
Delta R.T. 0.029 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

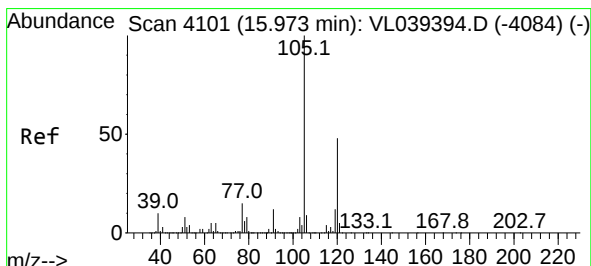
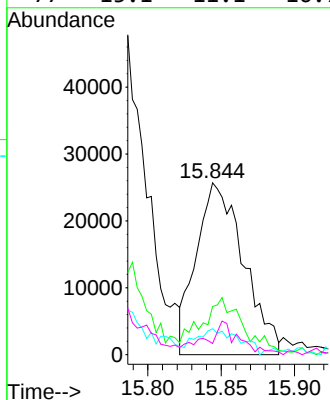
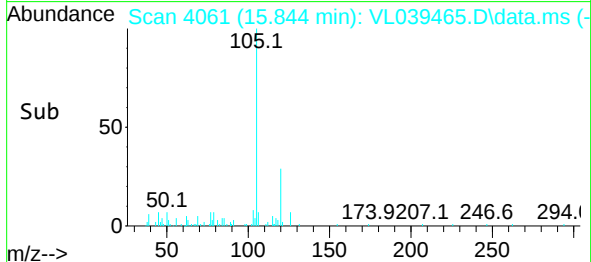
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



Tgt Ion:105 Resp: 5763
Ion Ratio Lower Upper
105 100
120 33.1 24.2 36.2
91 11.1 10.2 15.4
77 13.1 11.1 16.7

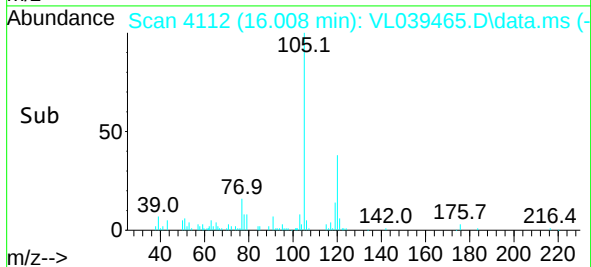
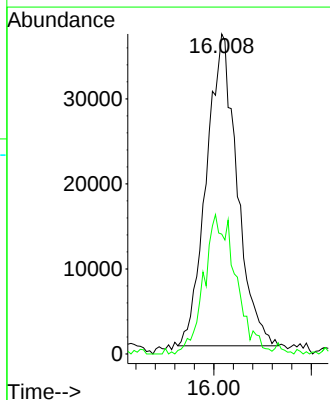
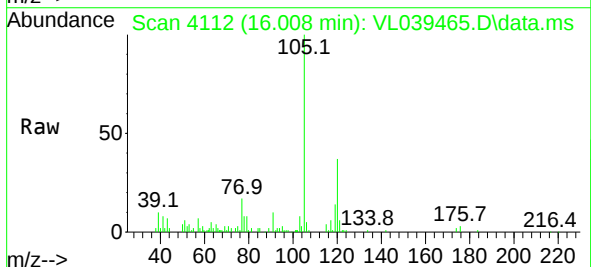
Manual Integrations
APPROVED

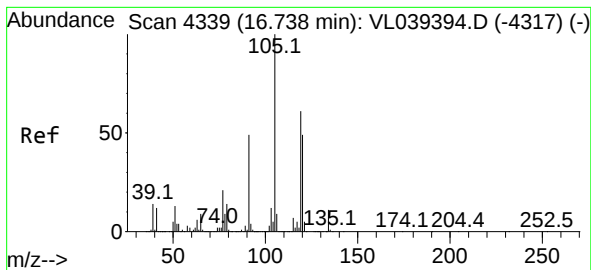
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.198 ppbv
RT: 16.008 min Scan# 4112
Delta R.T. 0.035 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

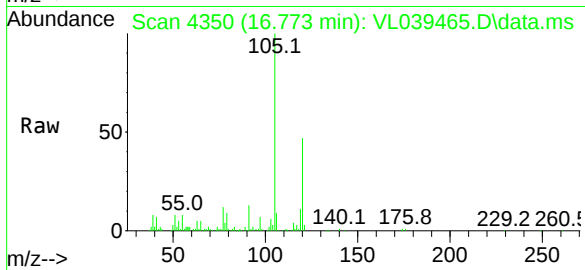
Tgt Ion:105 Resp: 80221
Ion Ratio Lower Upper
105 100
120 37.3 38.2 57.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.564 ppbv
RT: 16.773 min Scan# 41
Delta R.T. 0.035 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



Tgt Ion:	105	Resp:	252739
Ion	Ratio	Lower	Upper
105	100		
120	47.1	39.5	59.3
91	12.7	39.2	58.8
77	10.9	17.2	25.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

