

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040388.D
 Acq On : 19 Apr 2023 20:28
 Operator : SY/MD
 Sample : 02368-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1ADL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/20/2023
 Supervised By : Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 05:14:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1056221	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2728148	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.462	117	2473857	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2040628	9.975	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	48578	0.255	ppbv	98
3) Chlorodifluoromethane	2.655	51	17026m	0.123	ppbv	
4) Chloromethane	2.796	50	10899	0.125	ppbv #	85
9) Propene	2.681	41	25260	0.463	ppbv	85
13) Ethanol	3.221	45	326119	71.645	ppbv	98
15) Acetone	3.449	43	1881113	12.574	ppbv	97
17) tert-Butyl alcohol	3.877	59	31919	0.232	ppbv #	89
27) Carbon Disulfide	4.108	76	17005	0.124	ppbv #	33
29) Chloroform	5.256	83	44993m	0.238	ppbv	
34) 2-Butanone	4.777	43	157233	1.069	ppbv	91
36) Benzene	6.359	78	28694m	0.129	ppbv	
41) Tetrahydrofuran	5.555	42	55311	0.687	ppbv	94
52) Tetrachloroethene	10.606	164	29748m	0.427	ppbv	
53) Toluene	9.214	91	82193	0.348	ppbv	98
58) Ethyl Benzene	12.082	91	24420m	0.080	ppbv	
59) m/p-Xylene	12.336	91	61268m	0.219	ppbv	
60) o-Xylene	13.053	91	27241m	0.101	ppbv	

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

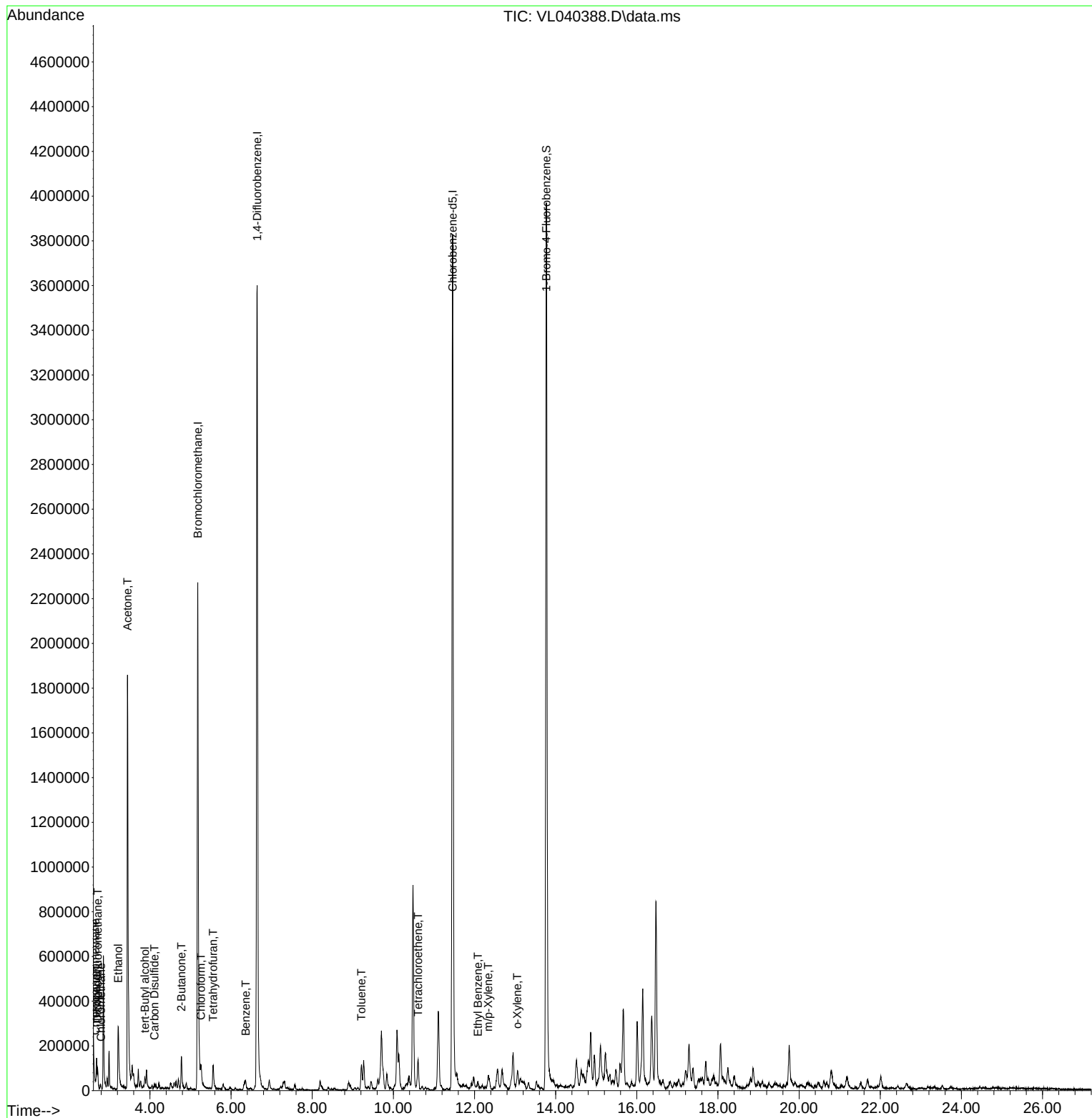
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
Data File : VL040388.D
Acq On : 19 Apr 2023 20:28
Operator : SY/MD
Sample : 02368-05DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

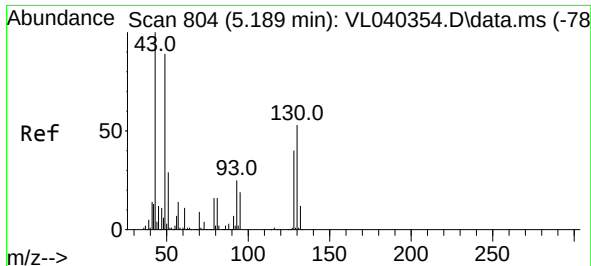
Instrument :
MSVOA_L
ClientSampleId :
VP-1ADL

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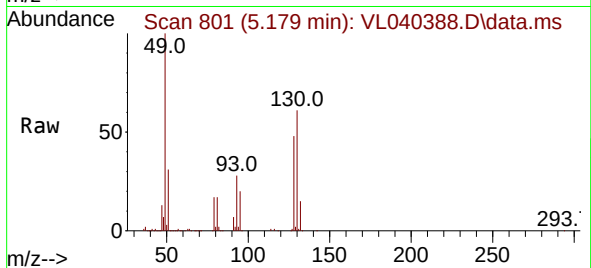
Quant Time: Apr 20 05:14:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 804
Delta R.T. -0.010 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

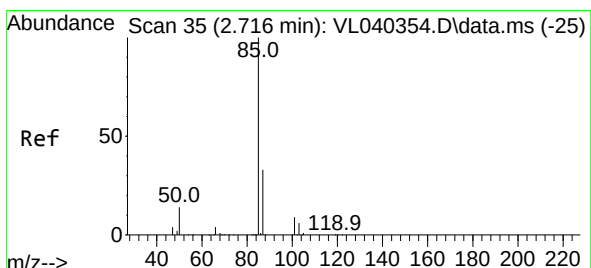
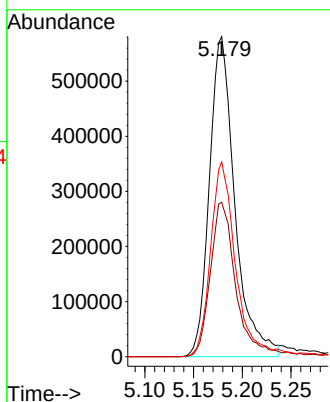
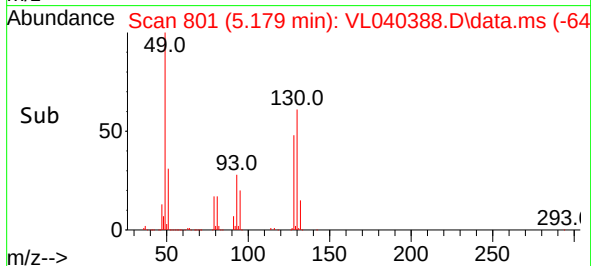
Instrument :
MSVOA_L
Client SampleId :
VP-1ADL



Tgt Ion: 49 Resp: 105622
Ion Ratio Lower Upper
49 100
128 49.5 23.7 71.1
130 62.5 29.9 89.8

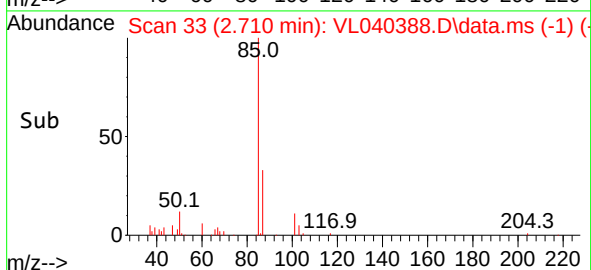
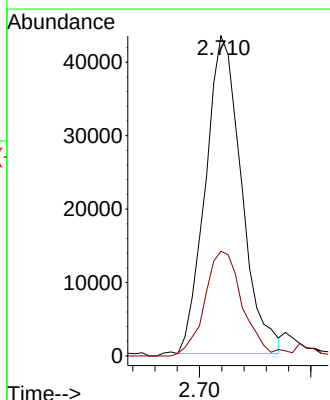
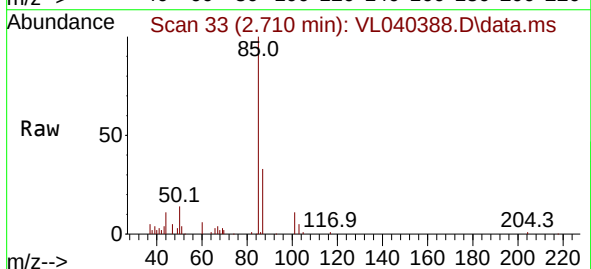
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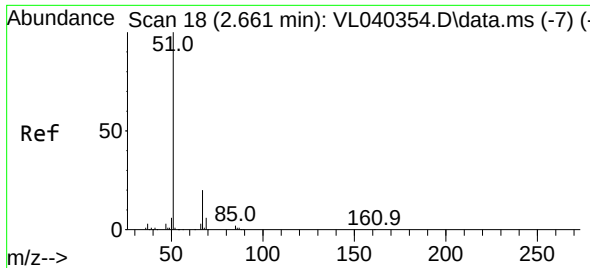
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#2
Dichlorodifluoromethane
Concen: 0.255 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

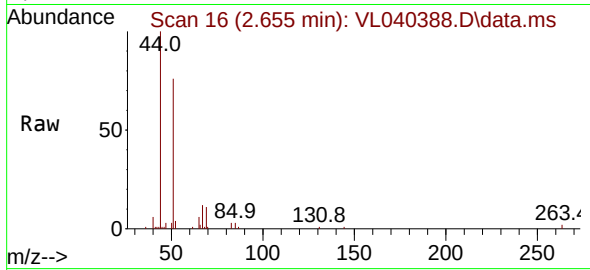
Tgt Ion: 85 Resp: 48578
Ion Ratio Lower Upper
85 100
87 32.2 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.123 ppbv
RT: 2.655 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

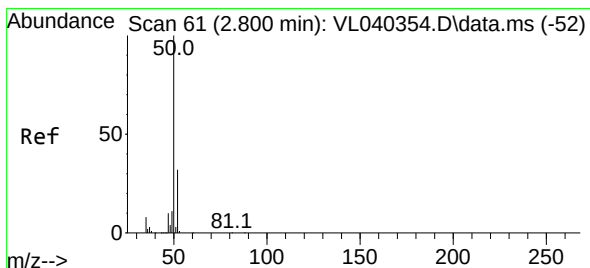
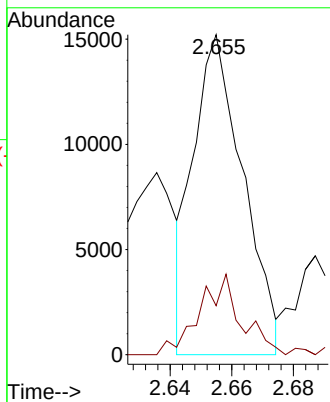
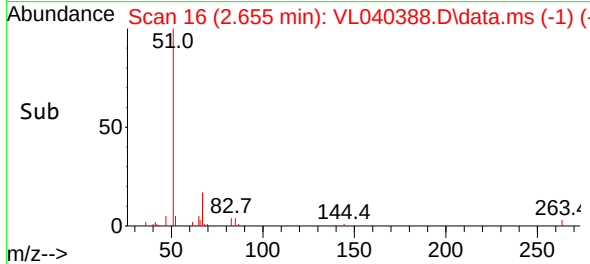
Instrument :
MSVOA_L
ClientSampleId :
VP-1ADL



Tgt Ion: 51 Resp: 17020
Ion Ratio Lower Upper
51 100
67 21.6 15.5 23.3

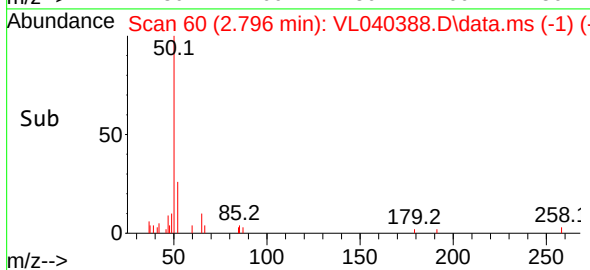
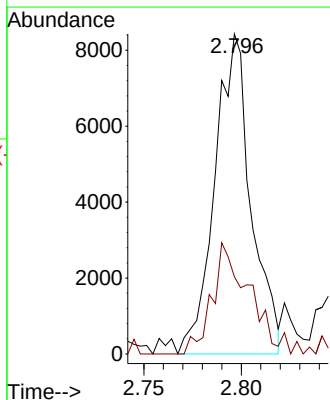
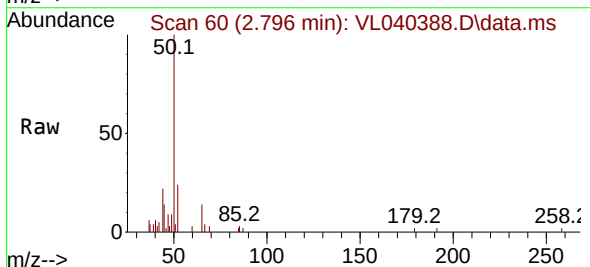
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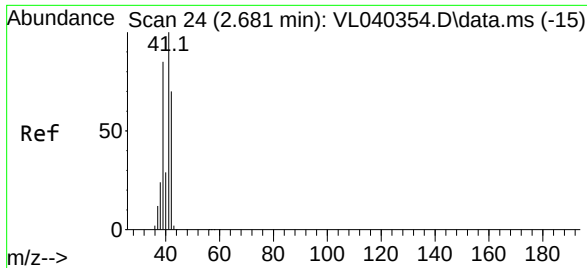
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#4
Chloromethane
Concen: 0.125 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.004 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

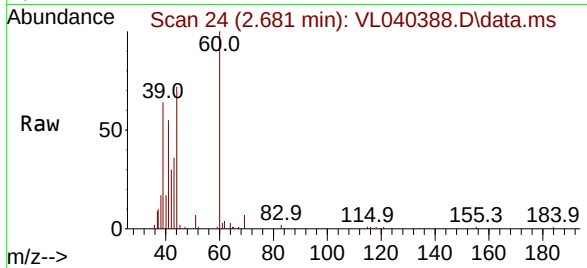
Tgt Ion: 50 Resp: 10899
Ion Ratio Lower Upper
50 100
52 23.2 25.3 37.9#





#9
 Propene
 Concen: 0.463 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: VL040388.D
 Acq: 19 Apr 2023 20:28

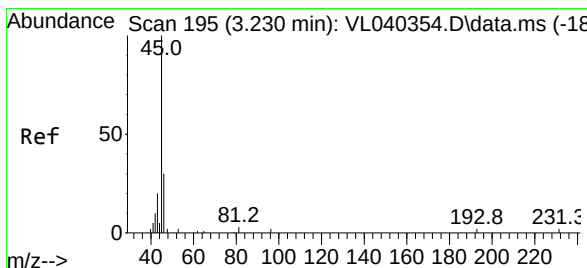
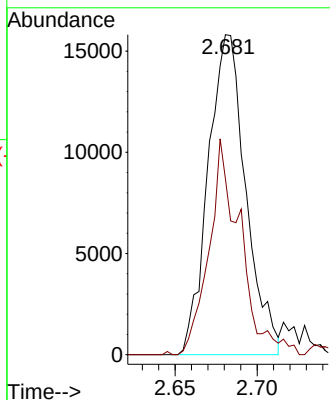
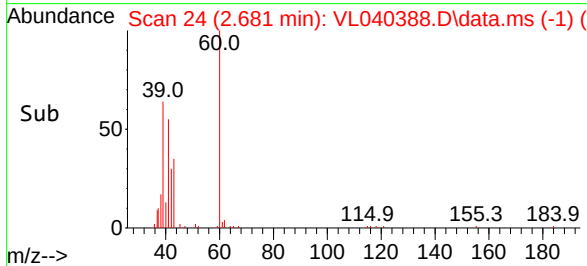
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1ADL



Tgt Ion: 41 Resp: 25260
 Ion Ratio Lower Upper
 41 100
 42 57.9 56.5 84.7

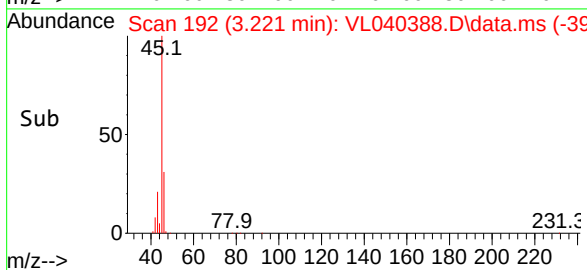
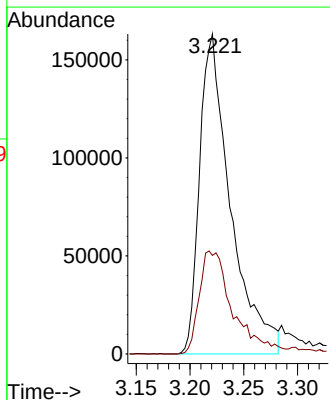
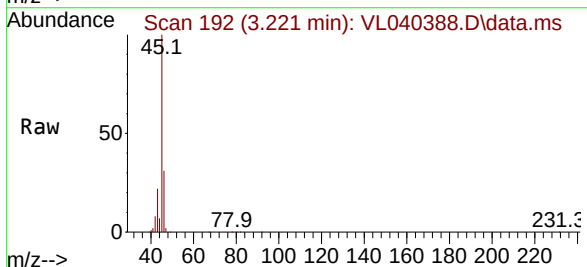
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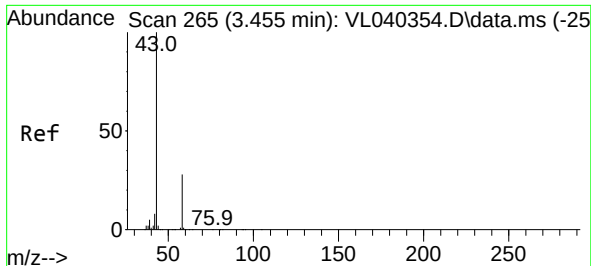
Reviewed By :Semsettin Yesilyurt 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023



#13
 Ethanol
 Concen: 71.645 ppbv
 RT: 3.221 min Scan# 192
 Delta R.T. -0.009 min
 Lab File: VL040388.D
 Acq: 19 Apr 2023 20:28

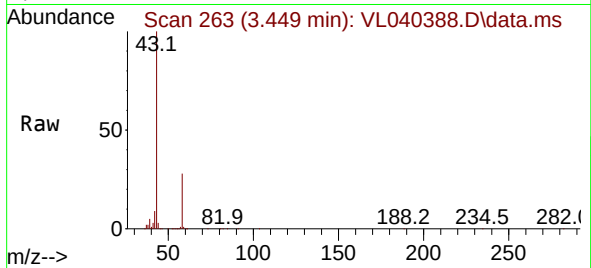
Tgt Ion: 45 Resp: 326119
 Ion Ratio Lower Upper
 45 100
 46 36.9 15.3 61.3





#15
Acetone
Concen: 12.574 ppbv
RT: 3.449 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

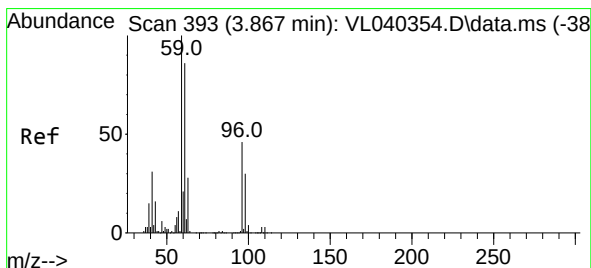
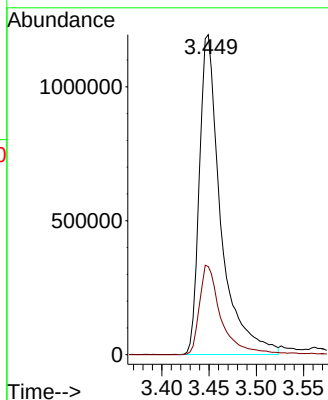
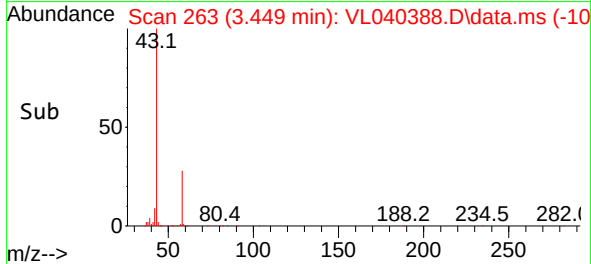
Instrument :
MSVOA_L
ClientSampleId :
VP-1ADL



Tgt Ion: 43 Resp: 188111
Ion Ratio Lower Upper
43 100
58 29.4 22.2 33.2

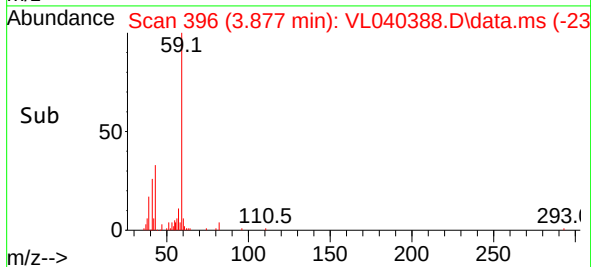
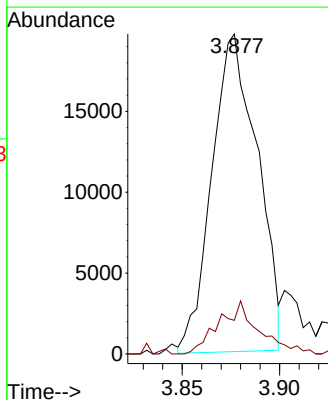
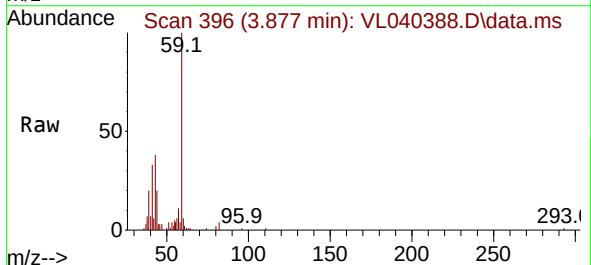
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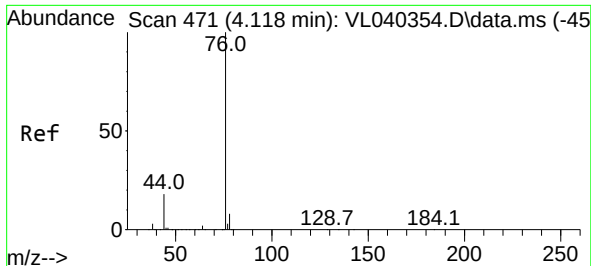
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#17
tert-Butyl alcohol
Concen: 0.232 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.010 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

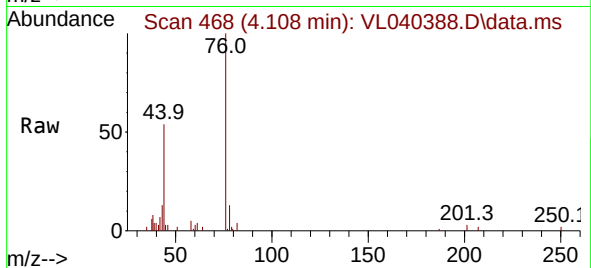
Tgt Ion: 59 Resp: 31919
Ion Ratio Lower Upper
59 100
57 14.8 8.5 12.7#





#27
Carbon Disulfide
Concen: 0.124 ppbv
RT: 4.108 min Scan# 410
Delta R.T. -0.010 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

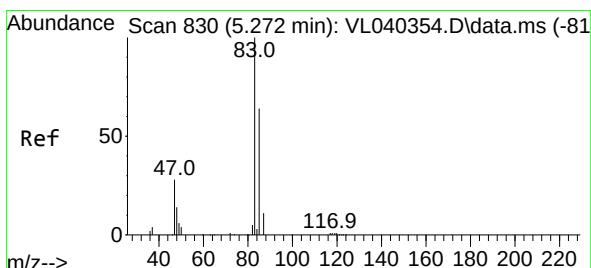
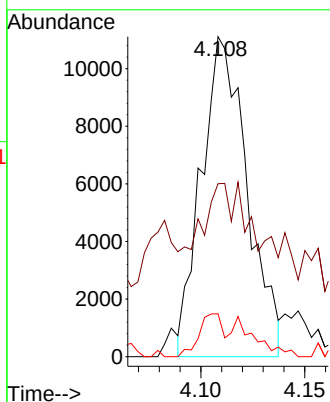
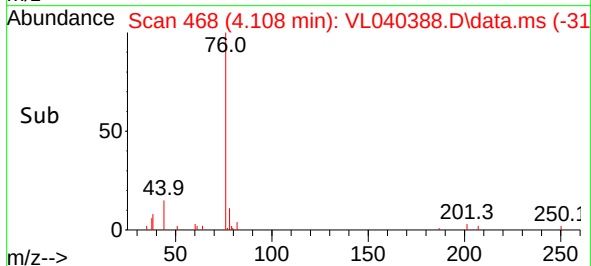
Instrument :
MSVOA_L
ClientSampleId :
VP-1ADL



Tgt Ion: 76 Resp: 1700
Ion Ratio Lower Upper
76 100
44 61.3 14.7 22.1
78 13.5 7.7 11.5

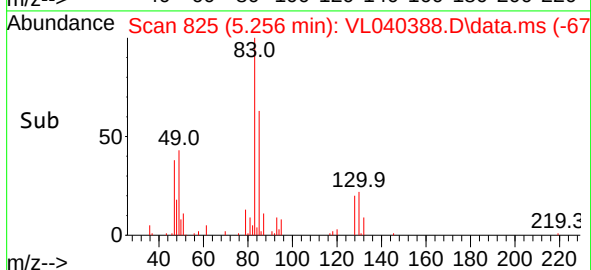
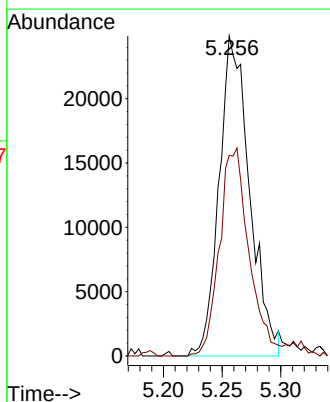
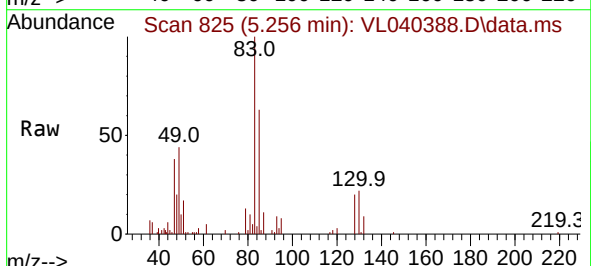
Manual Integrations
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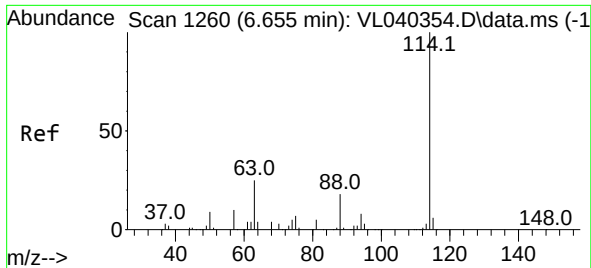
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#29
Chloroform
Concen: 0.238 ppbv m
RT: 5.256 min Scan# 825
Delta R.T. -0.016 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

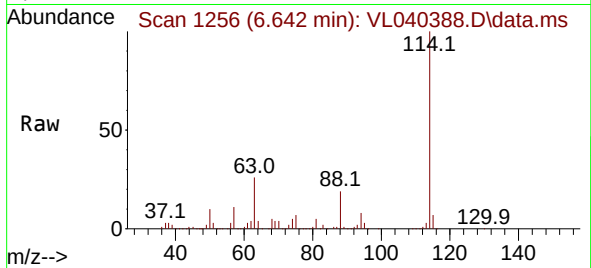
Tgt Ion: 83 Resp: 44993
Ion Ratio Lower Upper
83 100
85 62.7 51.0 76.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

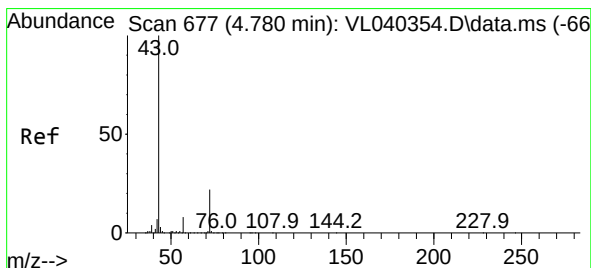
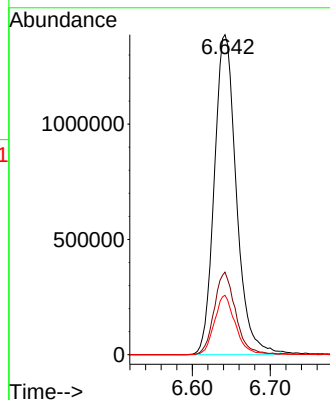
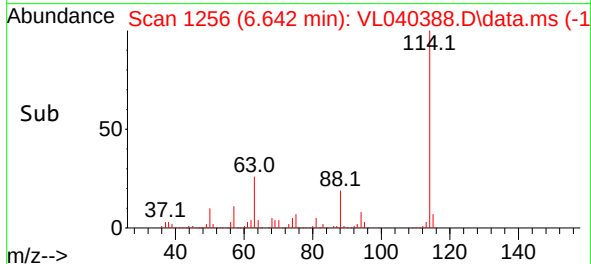
Instrument :
MSVOA_L
ClientSampleId :
VP-1ADL



Tgt Ion:114 Resp: 272814
Ion Ratio Lower Upper
114 100
63 25.5 21.4 32.0
88 17.9 14.6 22.0

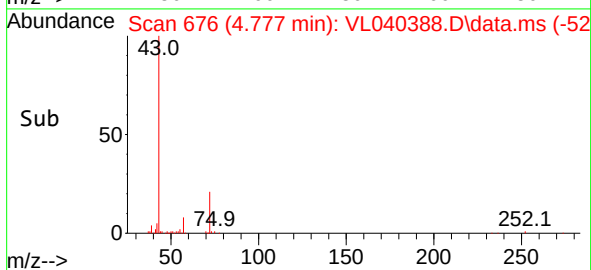
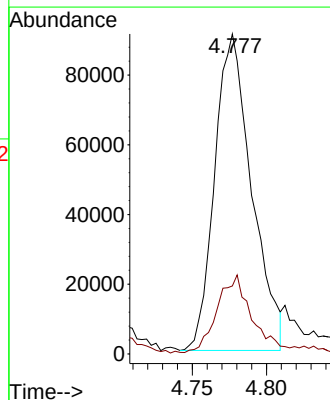
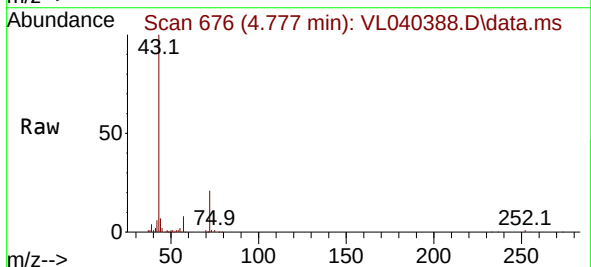
Manual Integrations
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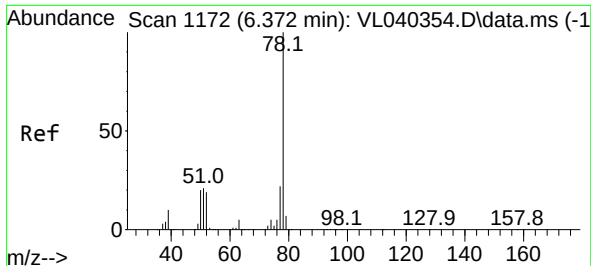
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#34
2-Butanone
Concen: 1.069 ppbv
RT: 4.777 min Scan# 676
Delta R.T. -0.003 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

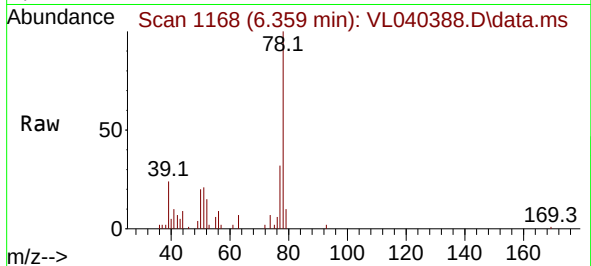
Tgt Ion: 43 Resp: 157233
Ion Ratio Lower Upper
43 100
72 27.4 18.4 27.6





#36
Benzene
Concen: 0.129 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. -0.013 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

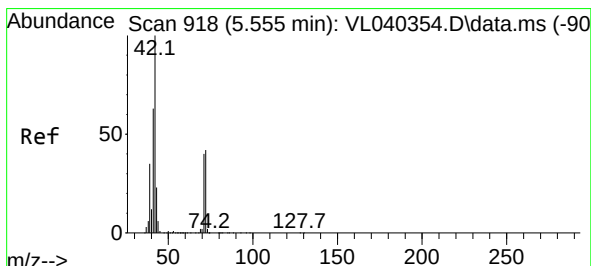
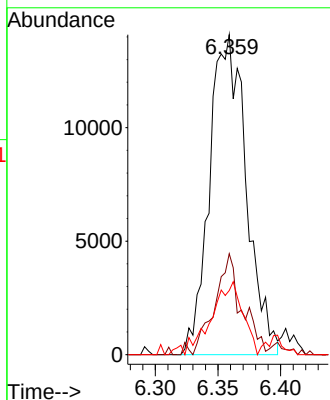
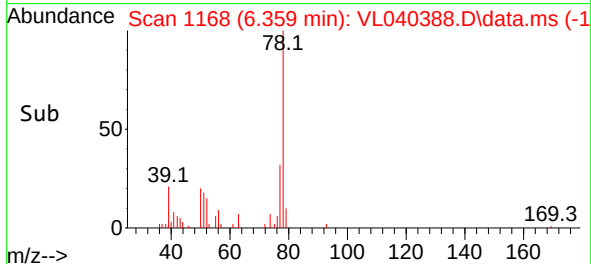
Instrument :
MSVOA_L
ClientSampleId :
VP-1ADL



Tgt Ion: 78 Resp: 28694
Ion Ratio Lower Upper
78 100
77 31.5 17.8 26.8
50 20.1 15.6 23.4

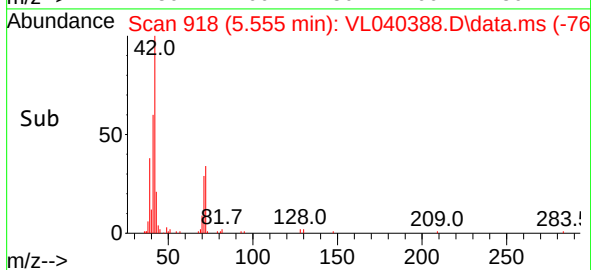
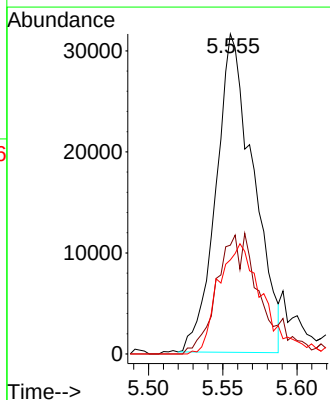
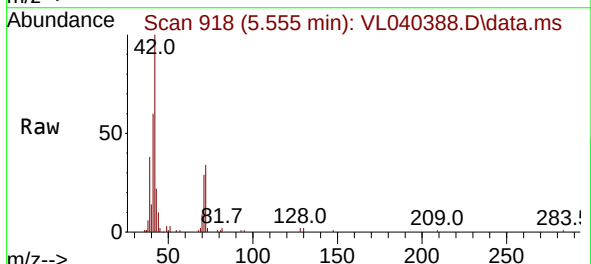
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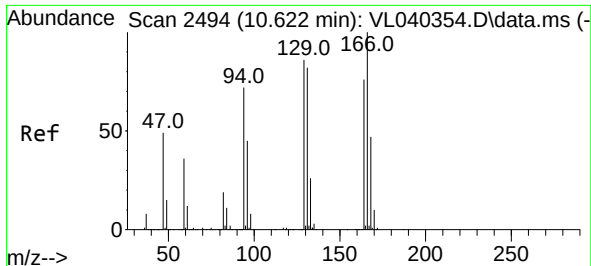
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#41
Tetrahydrofuran
Concen: 0.687 ppbv
RT: 5.555 min Scan# 918
Delta R.T. 0.000 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

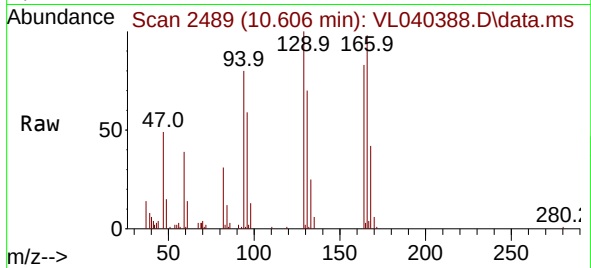
Tgt Ion: 42 Resp: 55311
Ion Ratio Lower Upper
42 100
72 45.7 33.7 50.5
71 43.9 32.2 48.2





#52
Tetrachloroethene
Concen: 0.427 ppbv m
RT: 10.606 min Scan# 2494
Delta R.T. -0.016 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

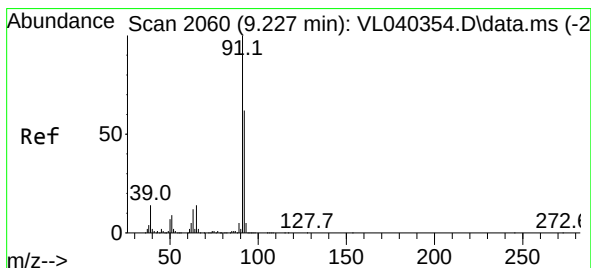
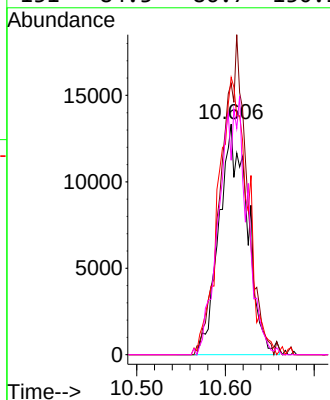
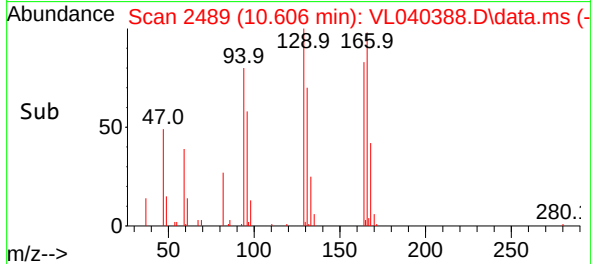
Instrument :
MSVOA_L
ClientSampleId :
VP-1ADL



Tgt Ion:164 Resp: 29748
Ion Ratio Lower Upper
164 100
166 117.6 105.2 157.8
129 120.3 90.3 135.5
131 84.3 86.7 130.1#

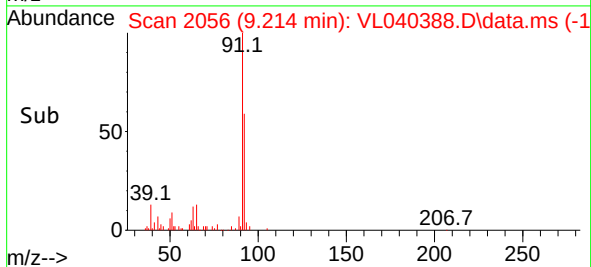
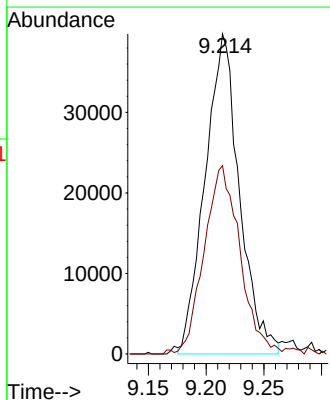
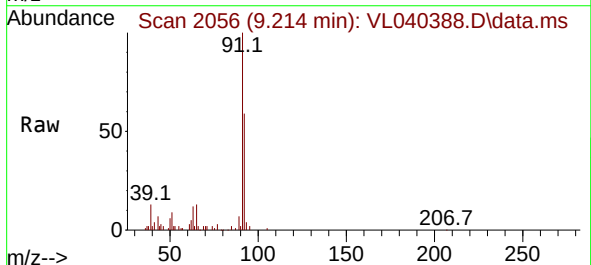
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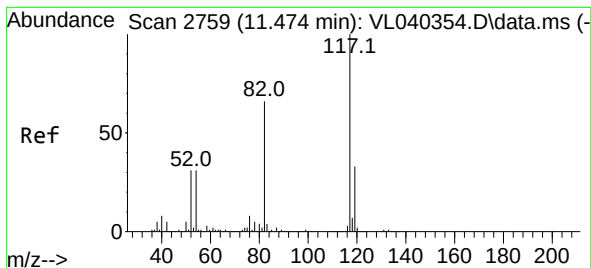
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#53
Toluene
Concen: 0.348 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.013 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

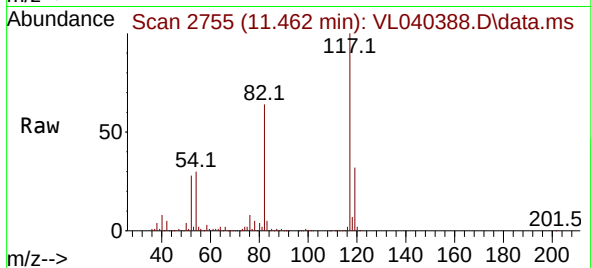
Tgt Ion: 91 Resp: 82193
Ion Ratio Lower Upper
91 100
92 62.4 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

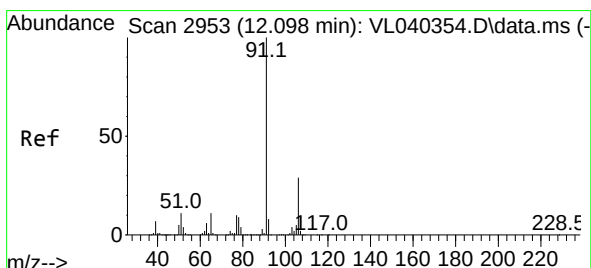
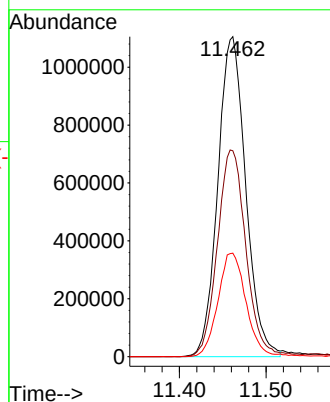
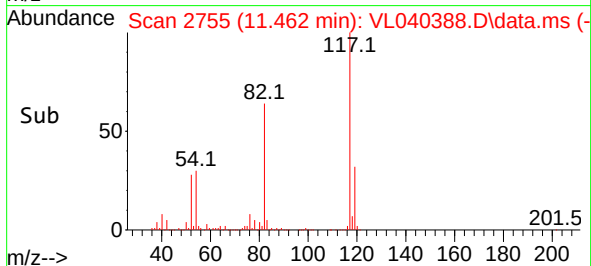
Instrument :
MSVOA_L
ClientSampleId :
VP-1ADL



Tgt Ion: 117 Resp: 247385
Ion Ratio Lower Upper
117 100
82 66.2 52.5 78.7
119 33.1 24.3 36.5

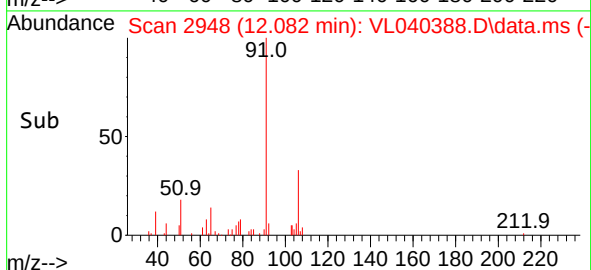
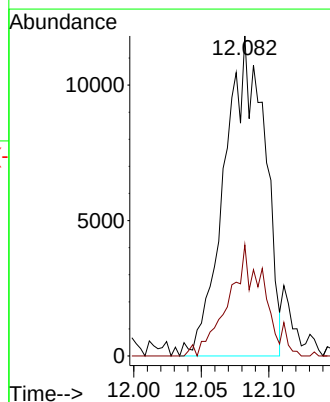
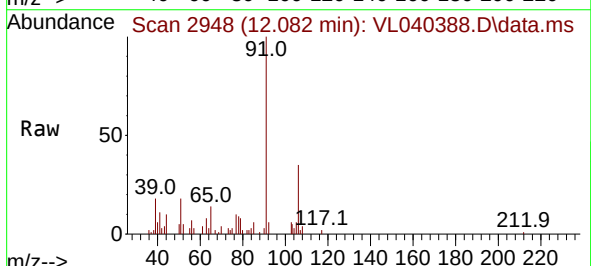
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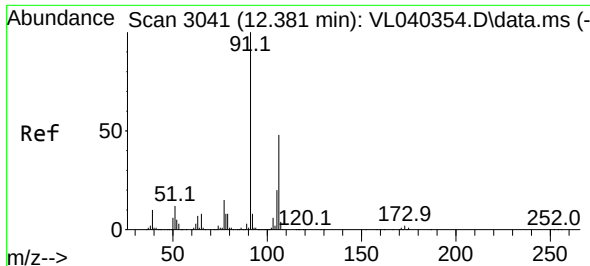
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#58
Ethyl Benzene
Concen: 0.080 ppbv m
RT: 12.082 min Scan# 2948
Delta R.T. -0.016 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

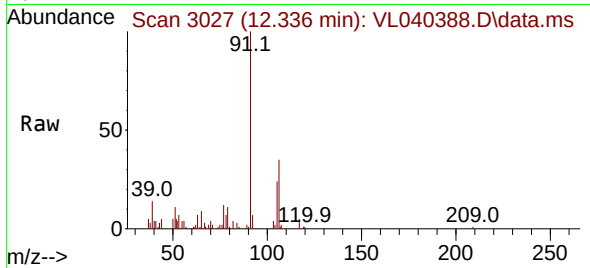
Tgt Ion: 91 Resp: 24420
Ion Ratio Lower Upper
91 100
106 34.7 23.5 35.3





#59
m/p-Xylene
Concen: 0.219 ppbv m
RT: 12.336 min Scan# 3041
Delta R.T. -0.045 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

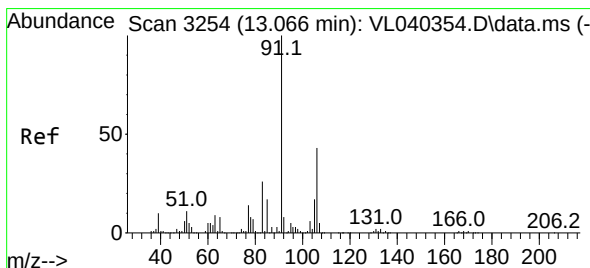
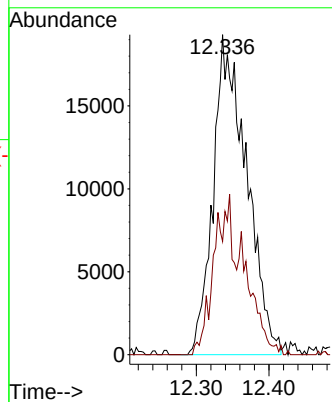
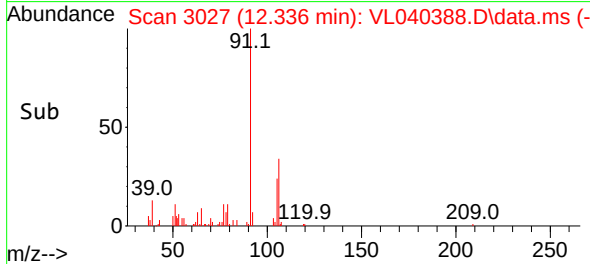
Instrument :
MSVOA_L
ClientSampleId :
VP-1ADL



Tgt Ion: 91 Resp: 61268
Ion Ratio Lower Upper
91 100
106 0.0 34.7 52.1

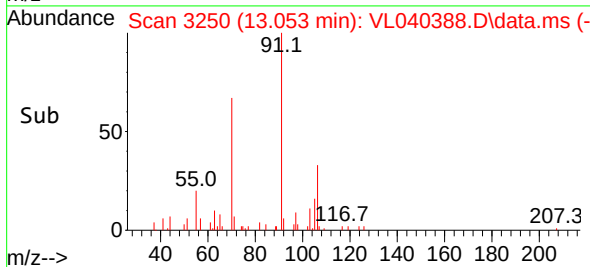
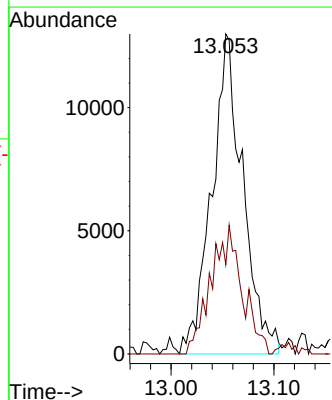
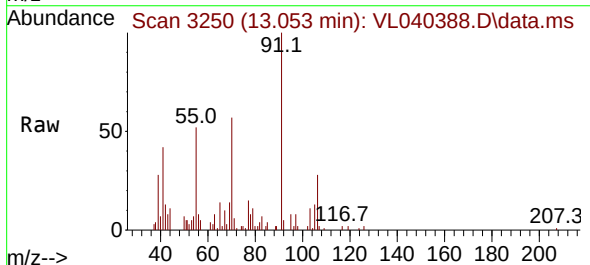
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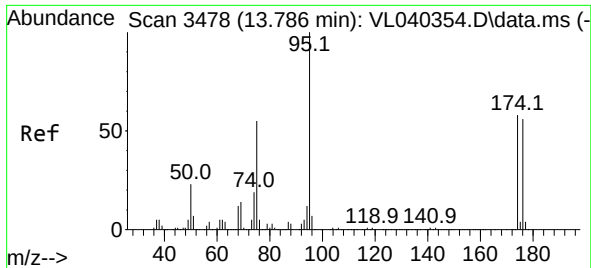
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#60
o-Xylene
Concen: 0.101 ppbv m
RT: 13.053 min Scan# 3250
Delta R.T. -0.013 min
Lab File: VL040388.D
Acq: 19 Apr 2023 20:28

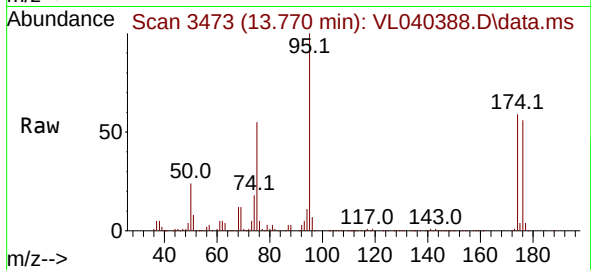
Tgt Ion: 91 Resp: 27241
Ion Ratio Lower Upper
91 100
106 42.2 21.9 65.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.975 ppbv
 RT: 13.770 min Scan# 3478
 Delta R.T. -0.016 min
 Lab File: VL040388.D
 Acq: 19 Apr 2023 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1ADL



Tgt Ion: 95 Resp: 2040628
 Ion Ratio Lower Upper
 95 100
 174 60.6 47.2 70.8
 175 4.3 3.5 5.3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

