

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040523\
 Data File : VL040313.D
 Acq On : 5 Apr 2023 12:19
 Operator : SY/MD
 Sample : 02168-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/06/2023
 Supervised By :Mahesh Dadoda 04/06/2023

Quant Time: Apr 06 07:50:26 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	989296	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.632	114	2438838	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	2120433	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1742650	9.814	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%
Target Compounds					Qvalue	
3) Chlorodifluoromethane	2.642	51	62487m	0.502	ppbv	
4) Chloromethane	2.787	50	31737	0.413	ppbv	93
9) Propene	2.678	41	96929m	2.034	ppbv	
11) Trichlorofluoromethane	3.542	101	39749m	0.226	ppbv	
13) Ethanol	3.215	45	213566	61.101	ppbv	100
15) Acetone	3.440	43	1615387	13.412	ppbv	100
19) Isopropyl Alcohol	3.555	45	318209	5.515	ppbv #	96
20) Methylene Chloride	3.909	84	1577749	31.139	ppbv	99
23) Vinyl Acetate	4.636	43	31877m	0.951	ppbv	
26) Hexane	5.189	57	1036402	11.198	ppbv #	35
34) 2-Butanone	4.767	43	31272	0.260	ppbv	93
35) Carbon Tetrachloride	6.468	117	11269m	0.074	ppbv	
36) Benzene	6.346	78	40916	0.220	ppbv #	91
52) Tetrachloroethene	10.597	164	2941m	0.052	ppbv	
53) Toluene	9.201	91	90852	0.466	ppbv	99
59) m/p-Xylene	12.330	91	36427m	0.165	ppbv	

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

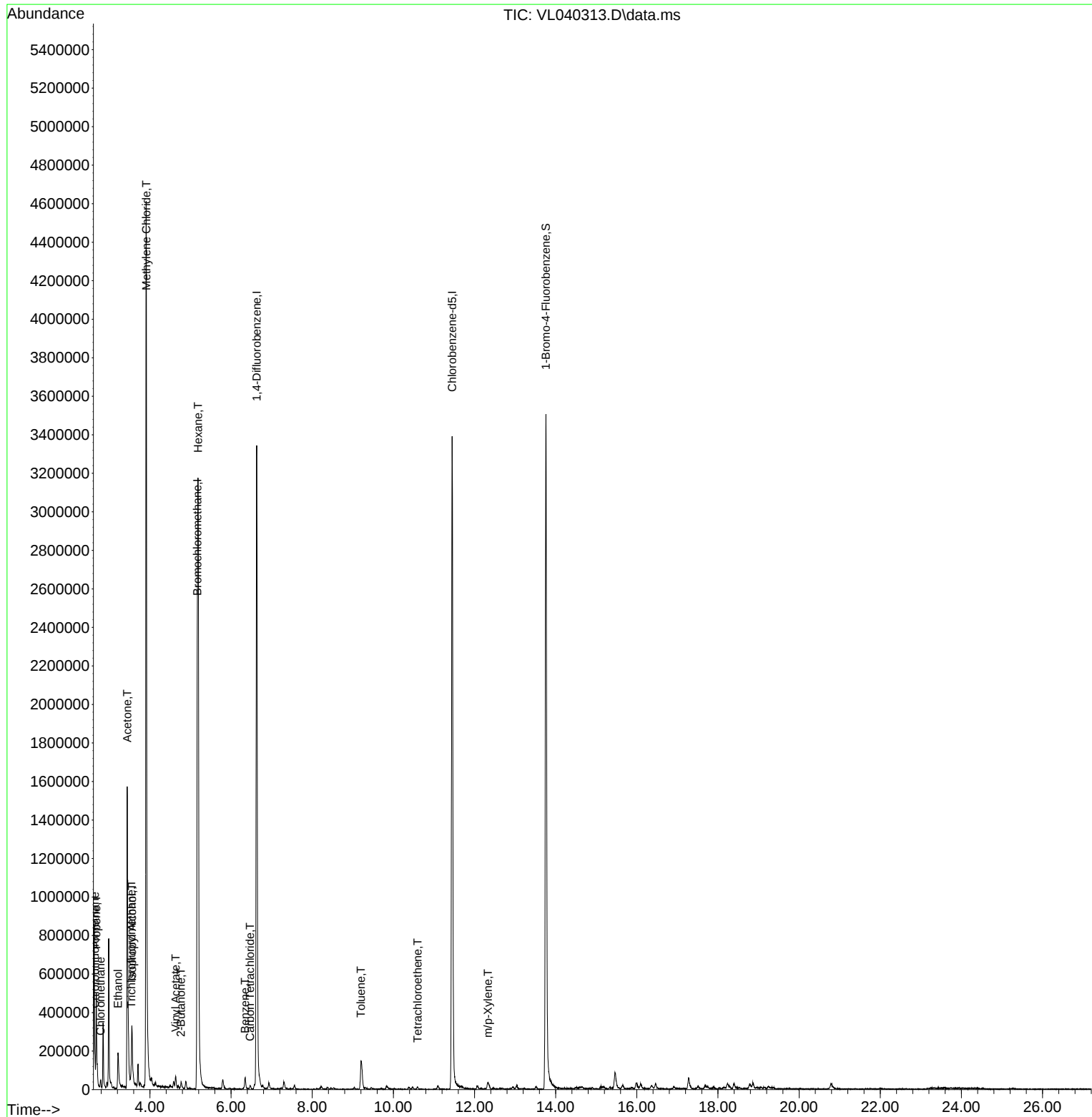
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040523\
Data File : VL040313.D
Acq On : 5 Apr 2023 12:19
Operator : SY/MD
Sample : 02168-05
Misc : 400mL/MSVOA_L
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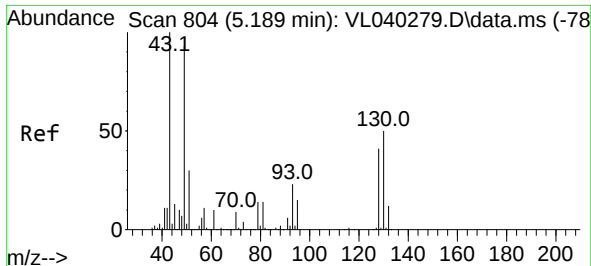
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Apr 06 07:50:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

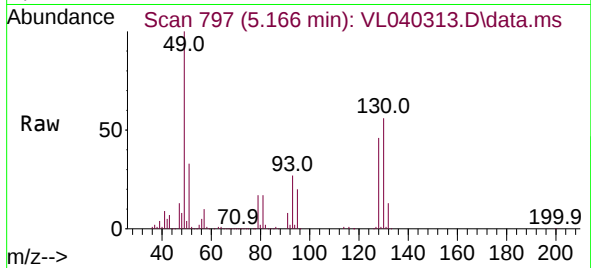
Reviewed By : Semsettin Yesilyurt 04/06/2023
Supervised By : Mahesh Dadoda 04/06/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. -0.023 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

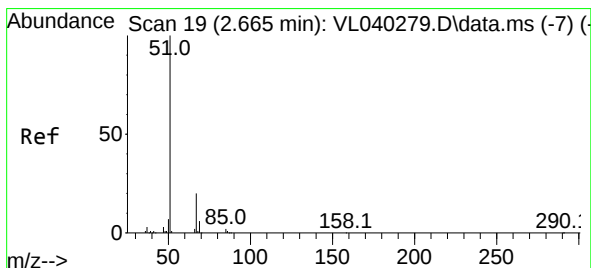
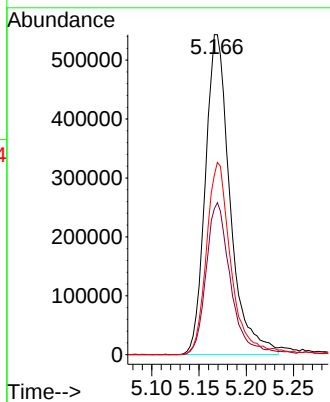
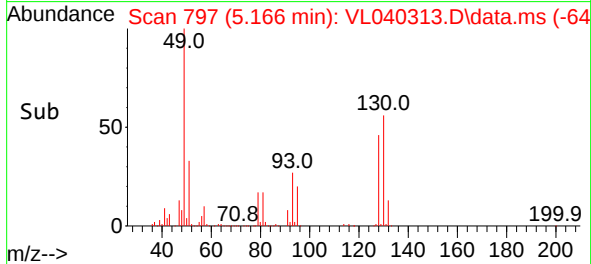
Instrument :
MSVOA_L
ClientSampleId :
OA1



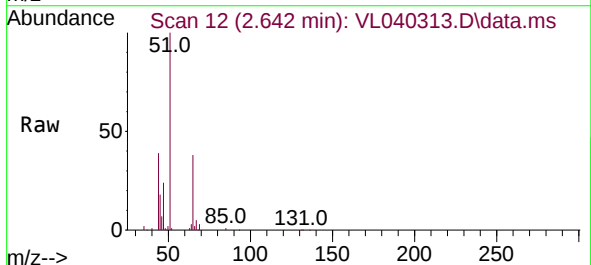
Tgt Ion: 49 Resp: 989290
Ion Ratio Lower Upper
49 100
128 48.1 22.4 67.3
130 61.4 28.7 86.1

Manual Integrations
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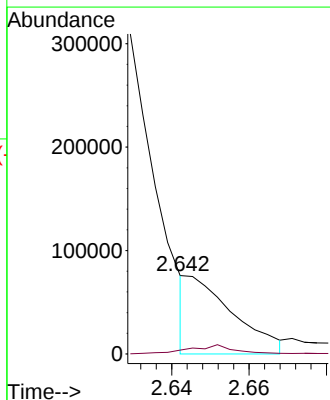
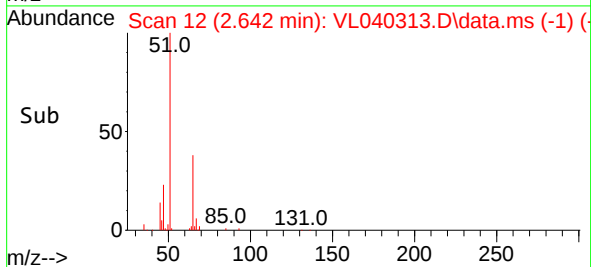
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023

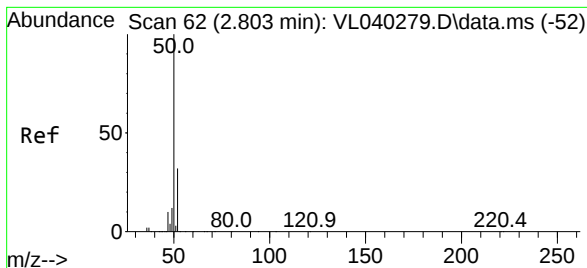


#3
Chlorodifluoromethane
Concen: 0.502 ppbv m
RT: 2.642 min Scan# 12
Delta R.T. -0.023 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19



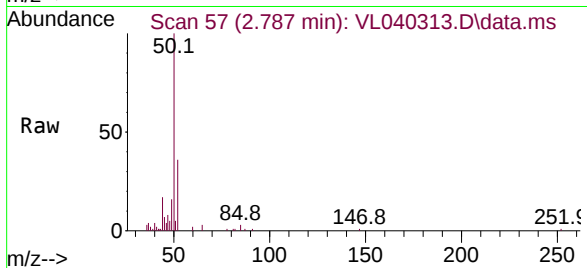
Tgt Ion: 51 Resp: 62487
Ion Ratio Lower Upper
51 100
67 0.0 16.0 24.0





#4
Chloromethane
Concen: 0.413 ppbv
RT: 2.787 min Scan# 51
Delta R.T. -0.016 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

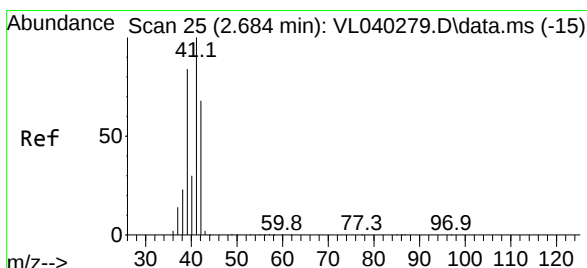
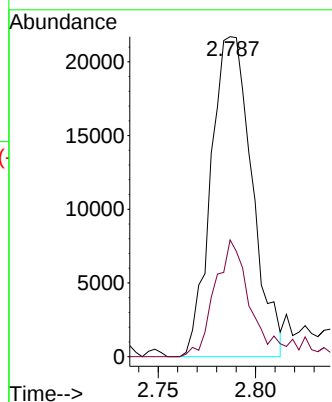
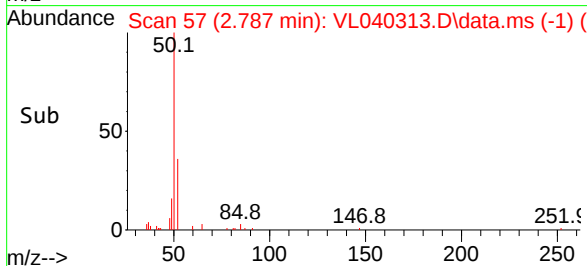
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 50 Resp: 3173
Ion Ratio Lower Upper
50 100
52 36.5 25.9 38.9

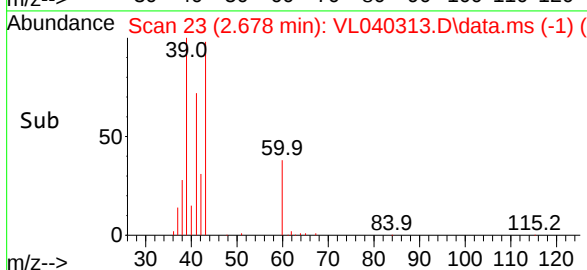
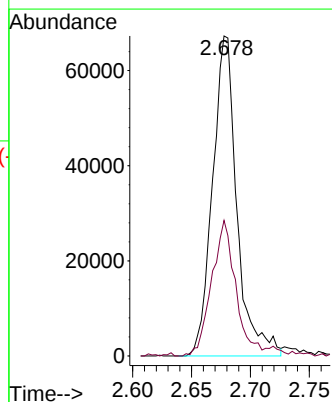
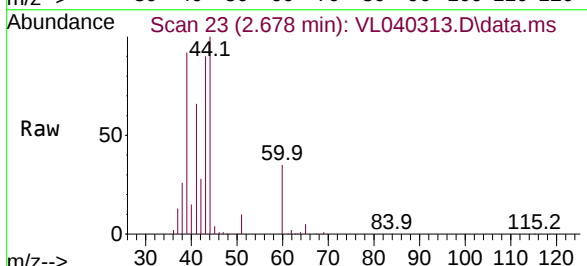
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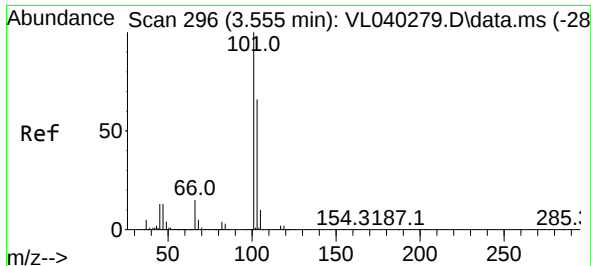
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#9
Propene
Concen: 2.034 ppbv m
RT: 2.678 min Scan# 23
Delta R.T. -0.006 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

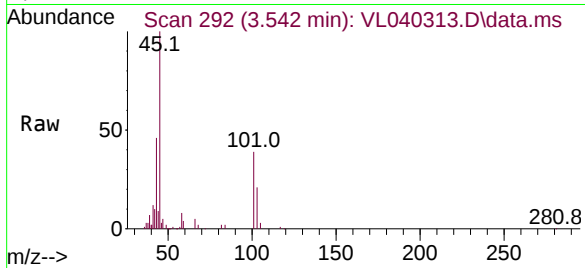
Tgt Ion: 41 Resp: 96929
Ion Ratio Lower Upper
41 100
42 59.8 59.0 88.4





#11
Trichlorofluoromethane
Concen: 0.226 ppbv m
RT: 3.542 min Scan# 296
Delta R.T. -0.013 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

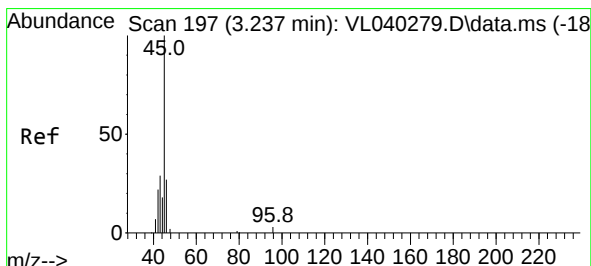
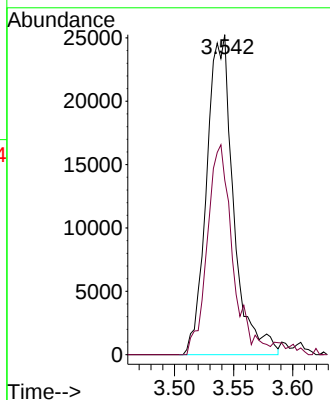
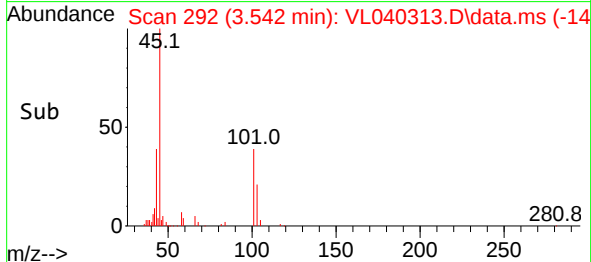
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:101 Resp: 39749
Ion Ratio Lower Upper
101 100
103 54.6 53.1 79.7

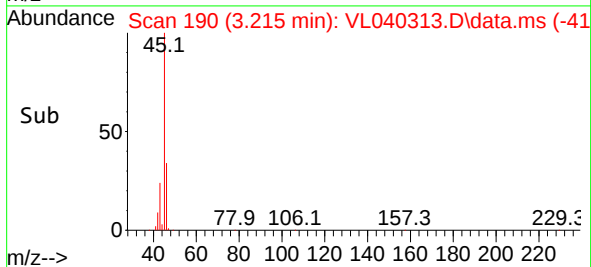
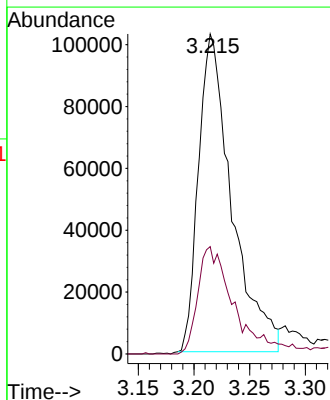
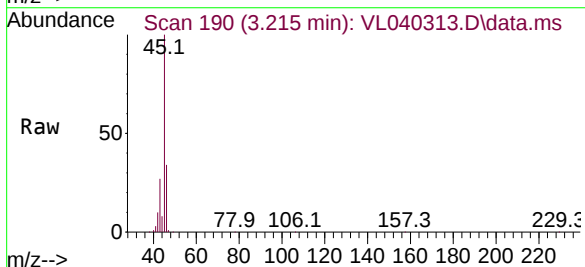
Manual Integrations
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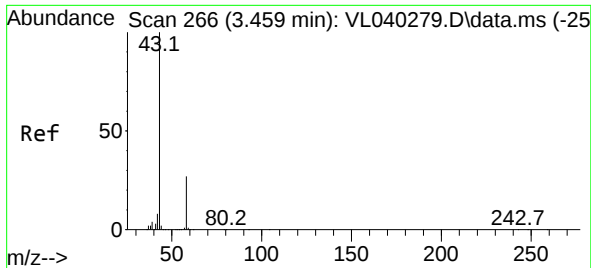
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#13
Ethanol
Concen: 61.101 ppbv
RT: 3.215 min Scan# 190
Delta R.T. -0.022 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

Tgt Ion: 45 Resp: 213566
Ion Ratio Lower Upper
45 100
46 37.4 15.0 60.2





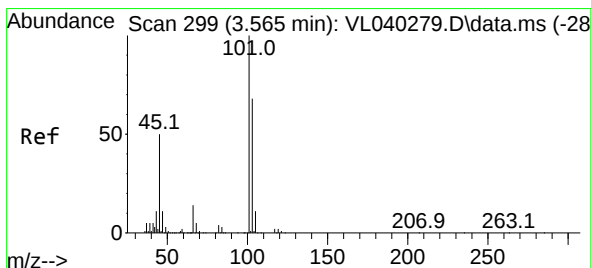
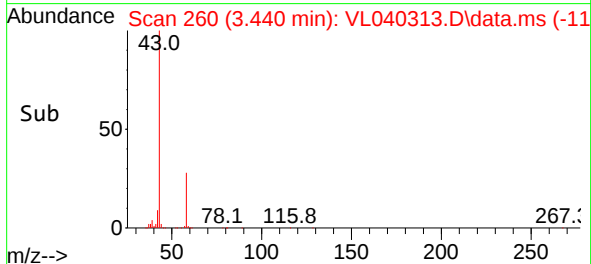
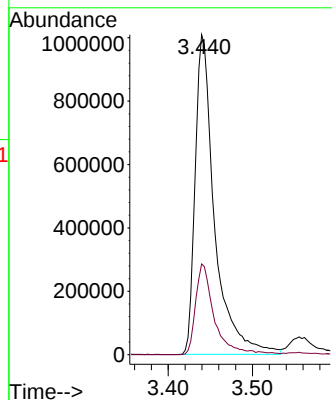
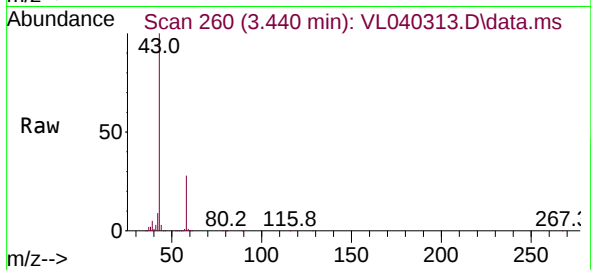
#15
Acetone
Concen: 13.412 ppbv
RT: 3.440 min Scan# 20
Delta R.T. -0.019 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 161538
Ion Ratio Lower Upper
43 100
58 27.4 21.8 32.8

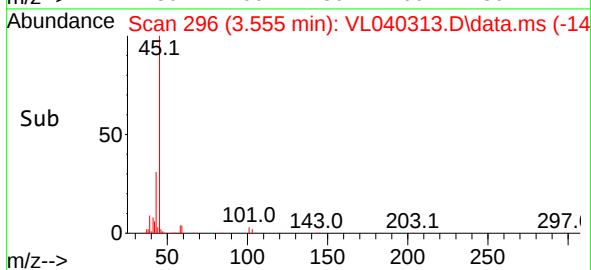
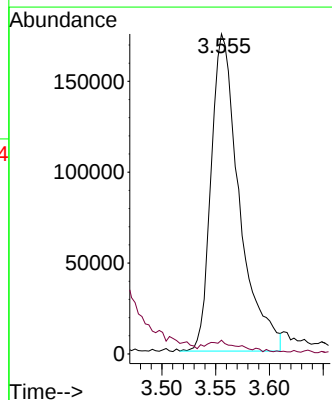
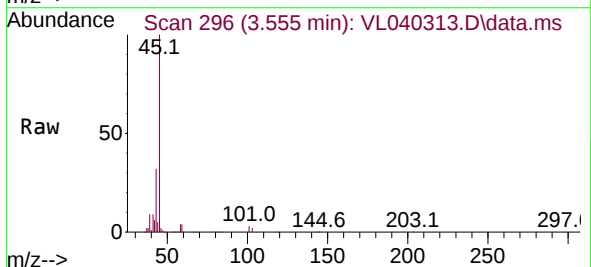
Manual Integrations
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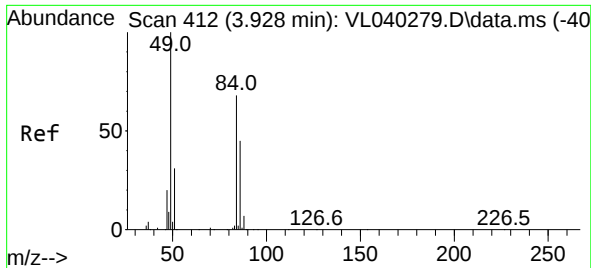
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#19
Isopropyl Alcohol
Concen: 5.515 ppbv
RT: 3.555 min Scan# 296
Delta R.T. -0.010 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

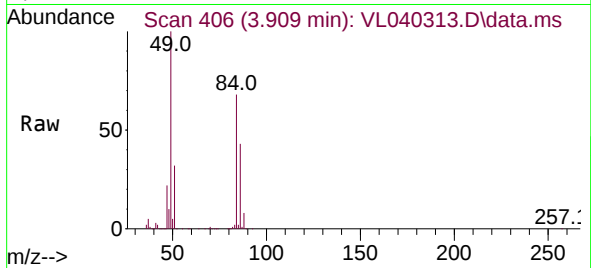
Tgt Ion: 45 Resp: 318209
Ion Ratio Lower Upper
45 100
58 4.8 2.7 4.1#





#20
Methylene Chloride
Concen: 31.139 ppbv
RT: 3.909 min Scan# 406
Delta R.T. -0.019 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

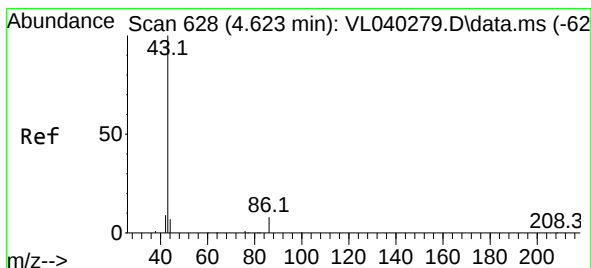
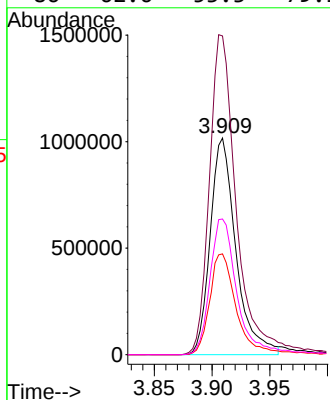
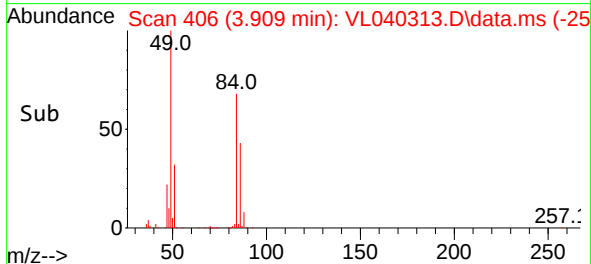
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 1577749
Ion Ratio Lower Upper
84 100
49 147.1 117.5 176.3
51 46.5 36.9 55.3
86 62.6 53.3 79.9

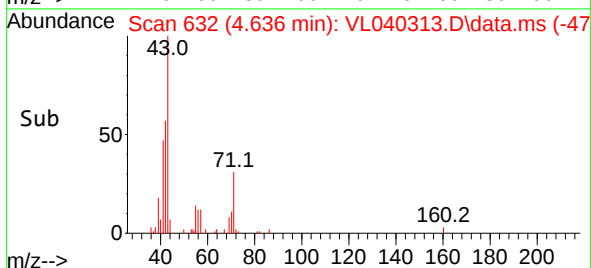
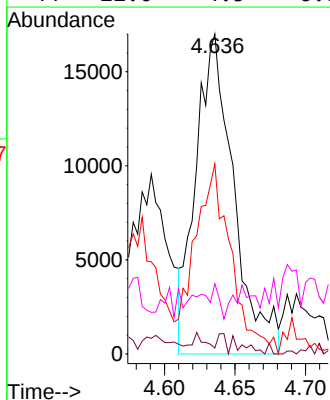
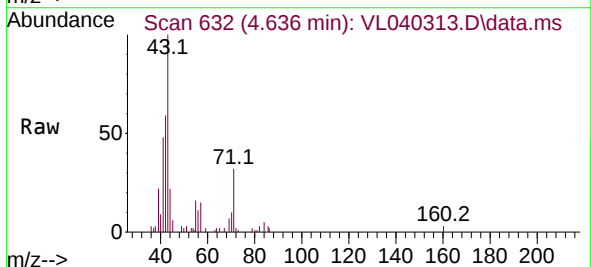
Manual Integrations
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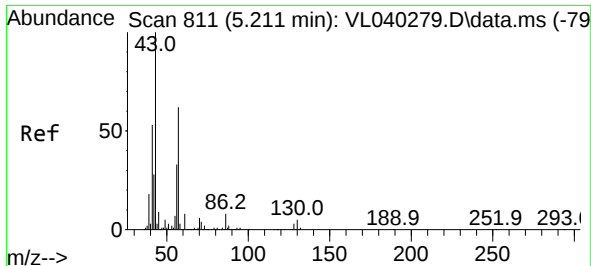
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#23
Vinyl Acetate
Concen: 0.951 ppbv m
RT: 4.636 min Scan# 632
Delta R.T. 0.013 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

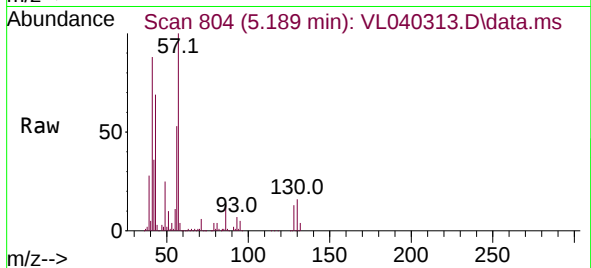
Tgt Ion: 43 Resp: 31877
Ion Ratio Lower Upper
43 100
86 1.9 5.0 7.4#
42 59.4 9.1 13.7#
44 22.0 4.5 6.7#





#26
Hexane
Concen: 11.198 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.022 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

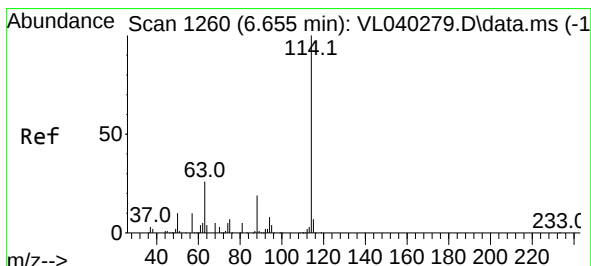
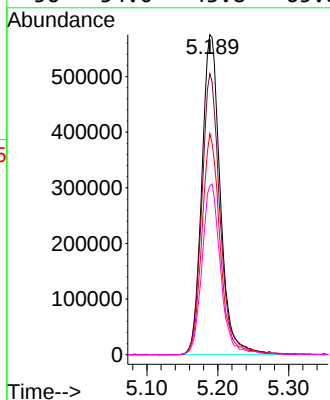
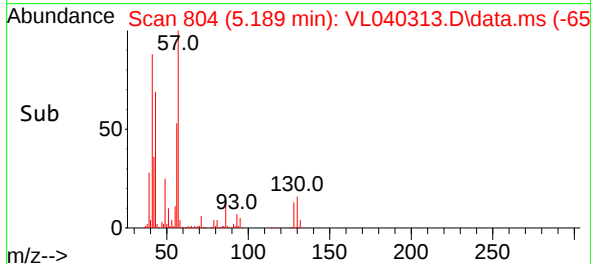
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 103640
Ion Ratio Lower Upper
57 100
41 88.0 73.5 110.3
43 69.2 196.3 294.5
56 54.0 43.8 65.8

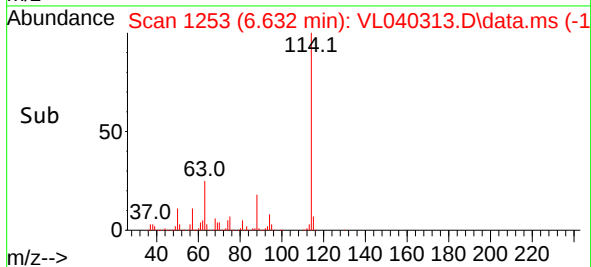
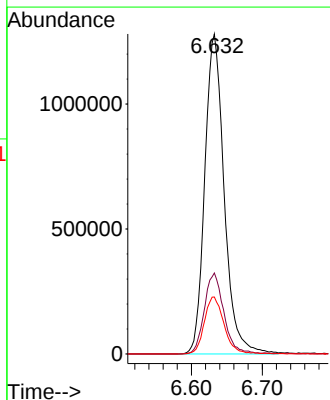
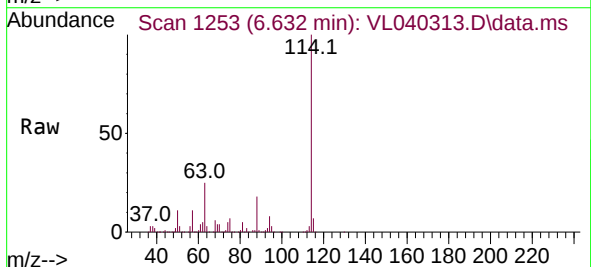
Manual Integrations
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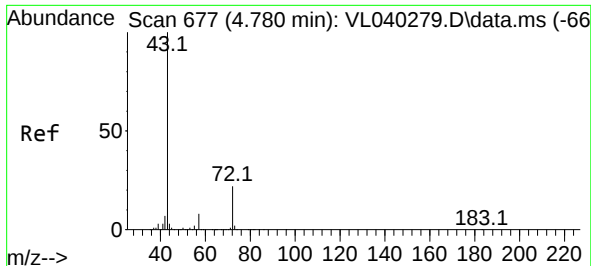
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

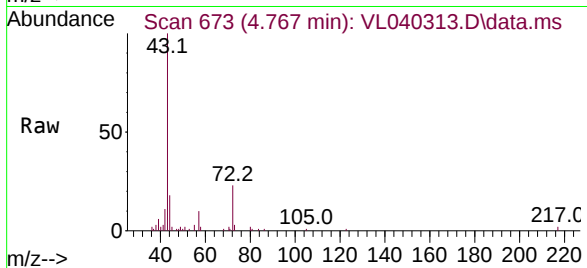
Tgt Ion:114 Resp: 2438838
Ion Ratio Lower Upper
114 100
63 25.7 21.2 31.8
88 18.2 14.5 21.7





#34
2-Butanone
Concen: 0.260 ppbv
RT: 4.767 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

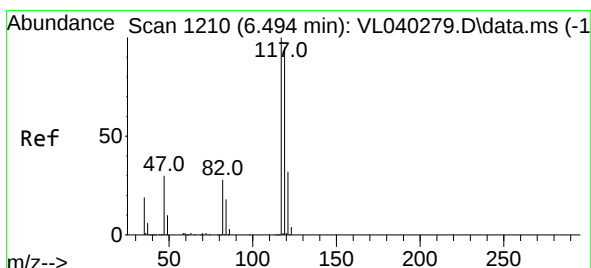
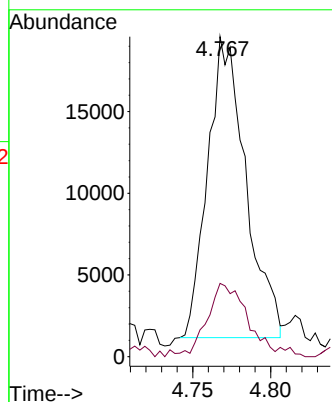
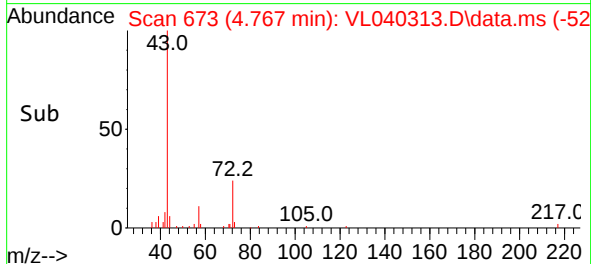
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 3127
Ion Ratio Lower Upper
43 100
72 26.3 18.3 27.5

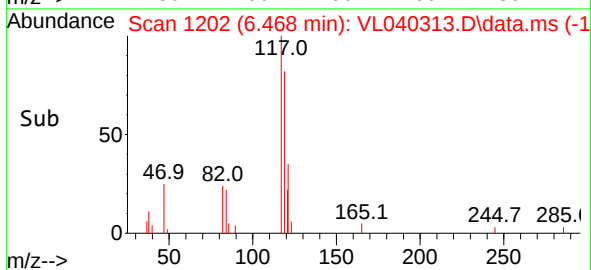
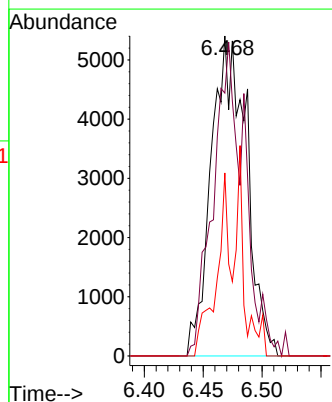
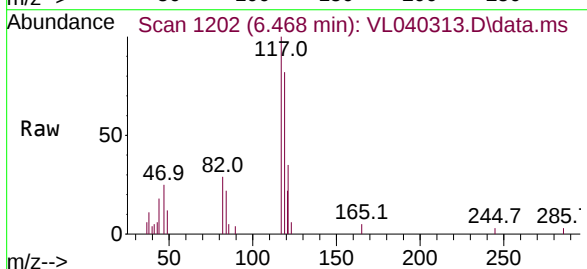
Manual Integrations
APPROVED

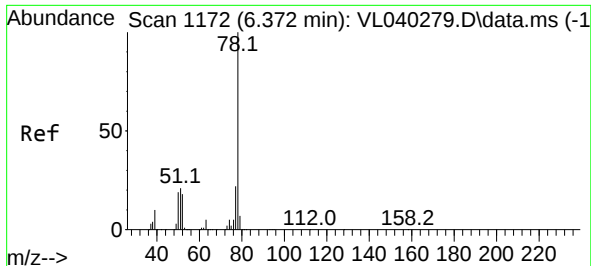
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 6.468 min Scan# 1202
Delta R.T. -0.026 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

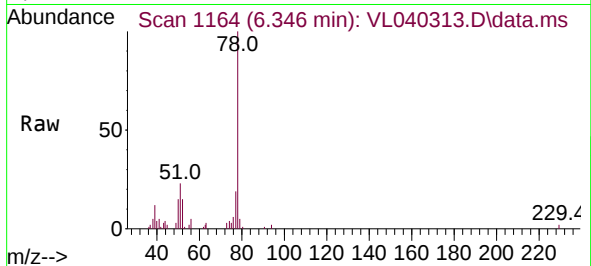
Tgt Ion:117 Resp: 11269
Ion Ratio Lower Upper
117 100
119 82.1 76.4 114.6
121 35.0 25.6 38.4





#36
Benzene
Concen: 0.220 ppbv
RT: 6.346 min Scan# 1172
Delta R.T. -0.026 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

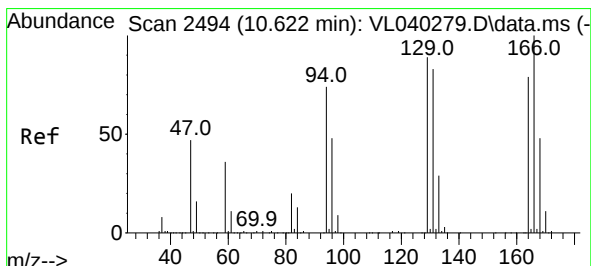
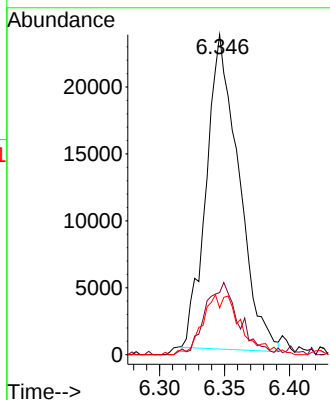
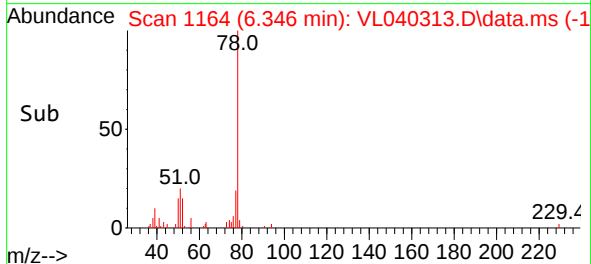
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 78 Resp: 40910
Ion Ratio Lower Upper
78 100
77 19.0 17.8 26.8
50 14.0 15.4 23.2

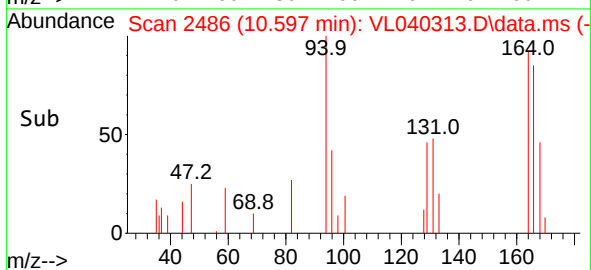
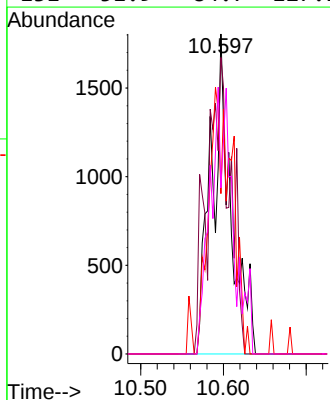
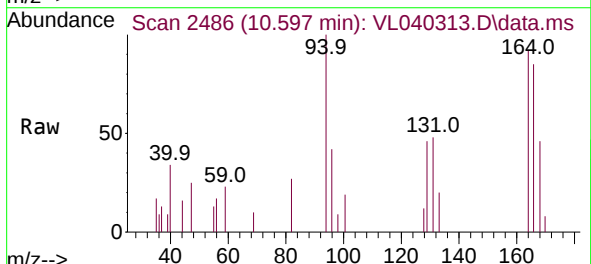
Manual Integrations
APPROVED

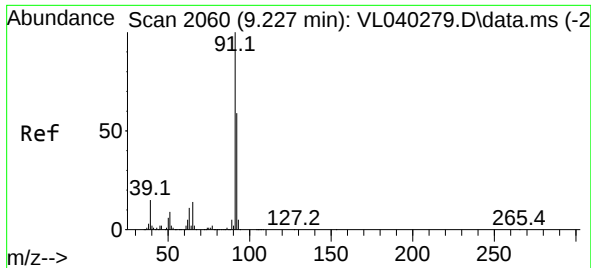
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#52
Tetrachloroethene
Concen: 0.052 ppbv m
RT: 10.597 min Scan# 2486
Delta R.T. -0.025 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

Tgt Ion:164 Resp: 2941
Ion Ratio Lower Upper
164 100
166 92.6 101.8 152.6#
129 50.1 90.2 135.2#
131 51.9 84.7 127.1#





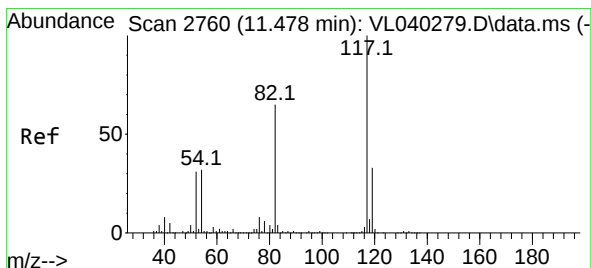
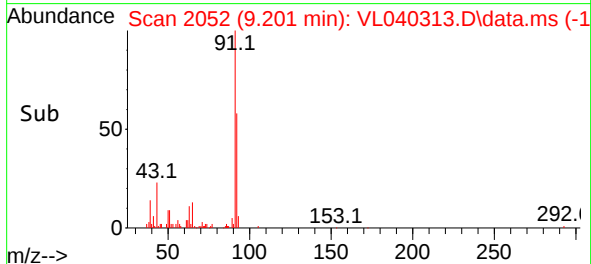
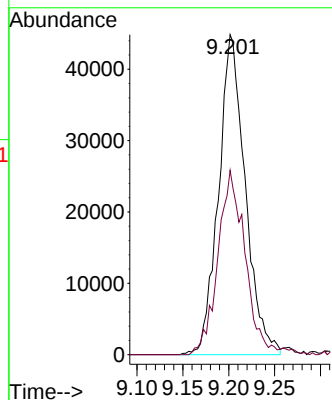
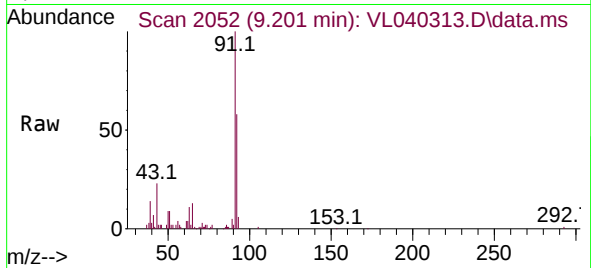
#53
Toluene
Concen: 0.466 ppbv
RT: 9.201 min Scan# 2060
Delta R.T. -0.026 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 90852
Ion Ratio Lower Upper
91 100
92 59.3 48.0 72.0

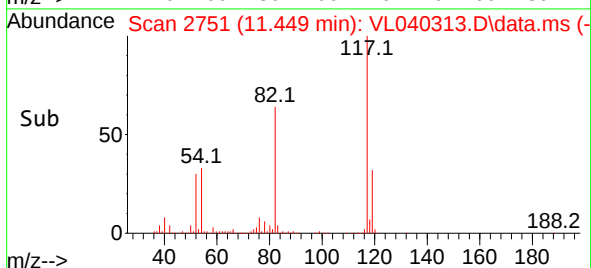
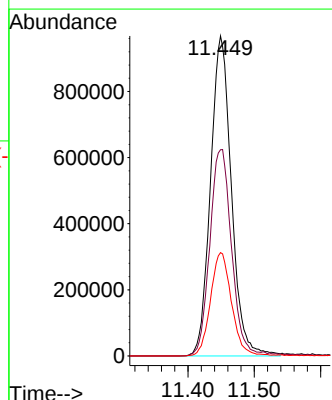
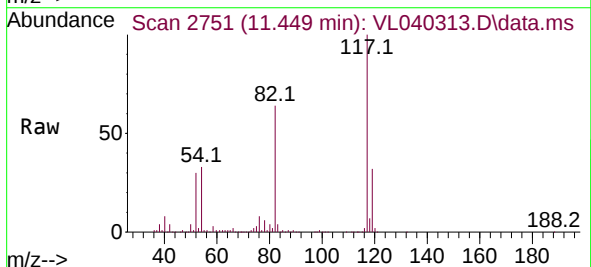
Manual Integrations
APPROVED

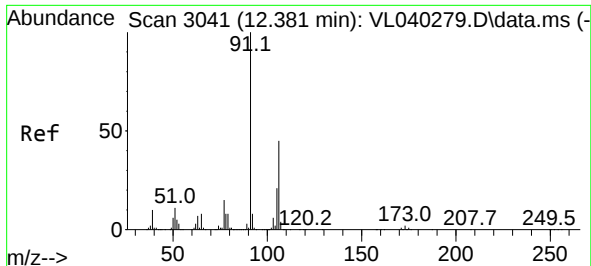
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.029 min
Lab File: VL040313.D
Acq: 5 Apr 2023 12:19

Tgt Ion:117 Resp: 2120433
Ion Ratio Lower Upper
117 100
82 68.3 51.4 77.2
119 32.8 24.0 36.0





#59

m/p-Xylene

Concen: 0.165 ppbv m

RT: 12.330 min Scan# 3041

Delta R.T. -0.051 min

Lab File: VL040313.D

Acq: 5 Apr 2023 12:19

Instrument :

MSVOA_L

ClientSampleId :

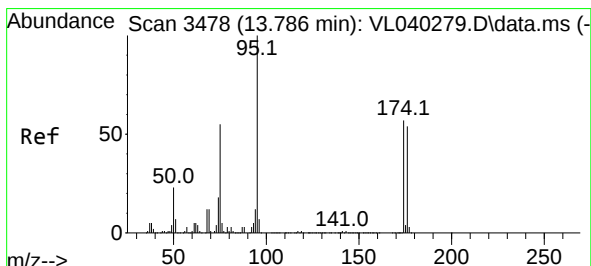
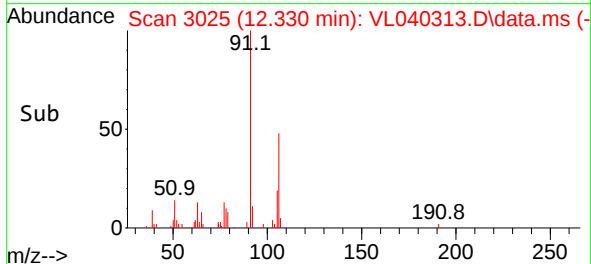
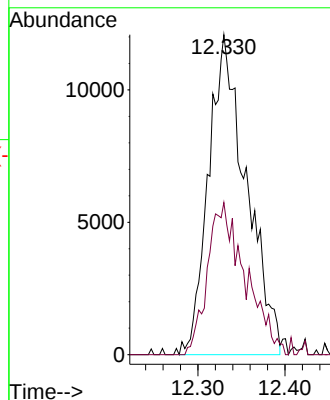
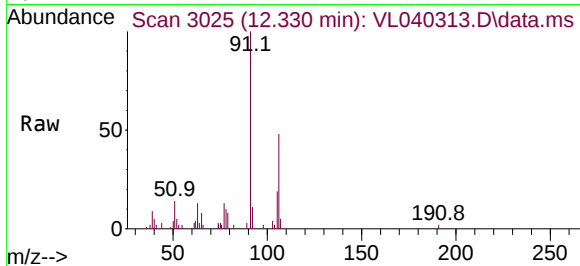
OA1

Tgt Ion: 91 Resp: 3642
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/06/2023
 Supervised By :Mahesh Dadoda 04/06/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.814 ppbv

RT: 13.761 min Scan# 3470

Delta R.T. -0.025 min

Lab File: VL040313.D

Acq: 5 Apr 2023 12:19

Tgt Ion: 95 Resp: 1742650
 Ion Ratio Lower Upper
 95 100
 174 59.2 47.0 70.6
 175 4.4 3.4 5.2

