

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040323.D
 Acq On : 10 Apr 2023 13:48
 Operator : SY/MD
 Sample : 02229-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2023
 Supervised By :Mahesh Dadoda 04/11/2023

Quant Time: Apr 11 14:00:40 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 : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.159	49	850520	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.622	114	2066625	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.439	117	1913918	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1604514	10.011	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.100%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.697	85	36412m	0.218	ppbv	
3) Chlorodifluoromethane	2.645	51	24270m	0.227	ppbv	
4) Chloromethane	2.780	50	31222	0.473	ppbv #	84
9) Propene	2.674	41	22087m	0.539	ppbv	
11) Trichlorofluoromethane	3.533	101	36151	0.239	ppbv	97
13) Ethanol	3.211	45	139853	46.540	ppbv	99
15) Acetone	3.439	43	421574	4.071	ppbv	100
19) Isopropyl Alcohol	3.549	45	250615	5.053	ppbv	100
20) Methylene Chloride	3.902	84	159320	3.657	ppbv	96
22) trans-1,2-Dichloroethene	4.417	96	21340	0.430	ppbv	96
26) Hexane	5.182	57	76933	0.967	ppbv #	42
34) 2-Butanone	4.764	43	26946	0.264	ppbv	95
35) Carbon Tetrachloride	6.465	117	10692m	0.082	ppbv	
36) Benzene	6.340	78	23284	0.148	ppbv #	91
53) Toluene	9.188	91	77726m	0.471	ppbv	
59) m/p-Xylene	12.320	91	44480m	0.223	ppbv	

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

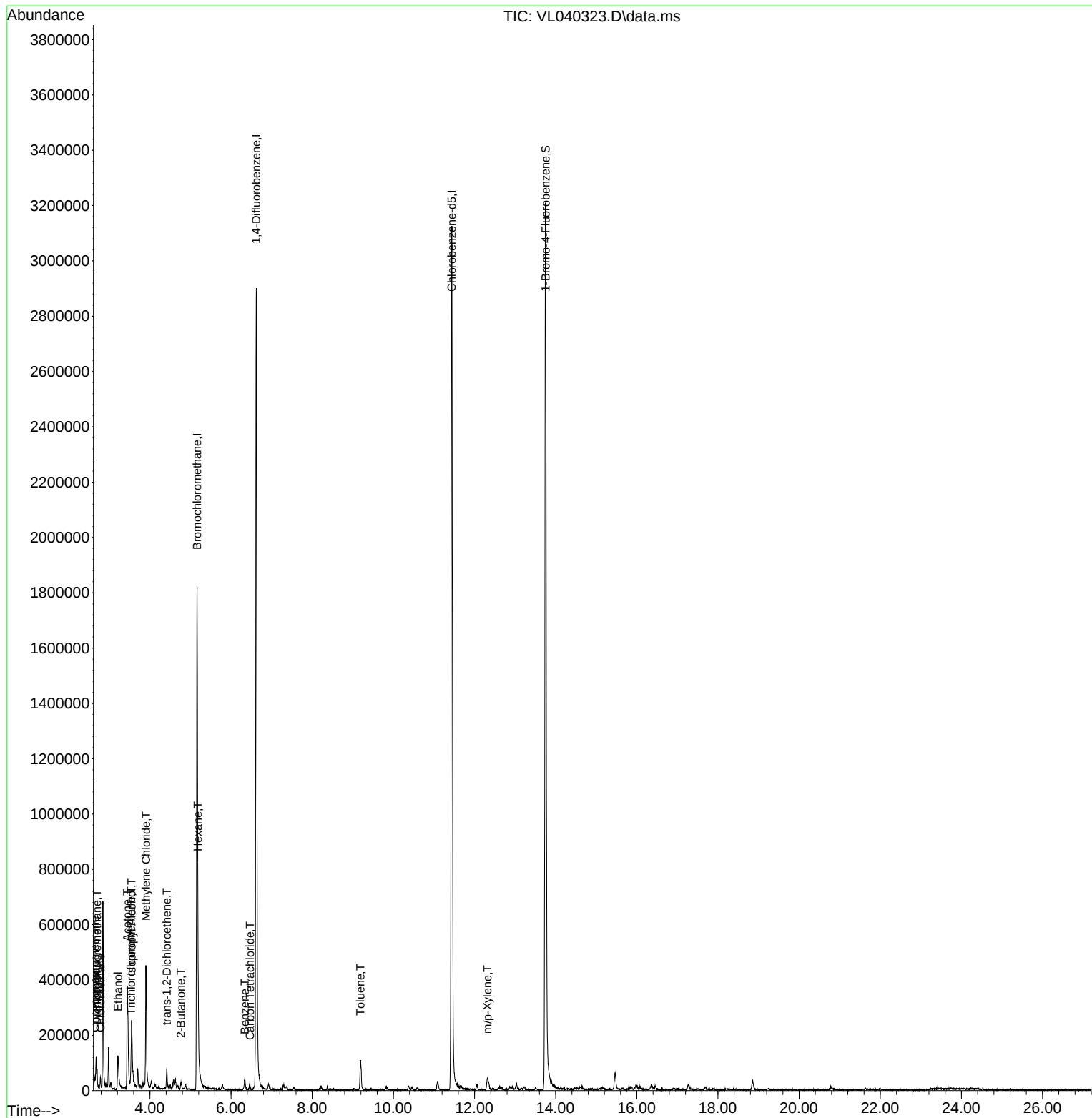
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
Data File : VL040323.D
Acq On : 10 Apr 2023 13:48
Operator : SY/MD
Sample : 02229-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

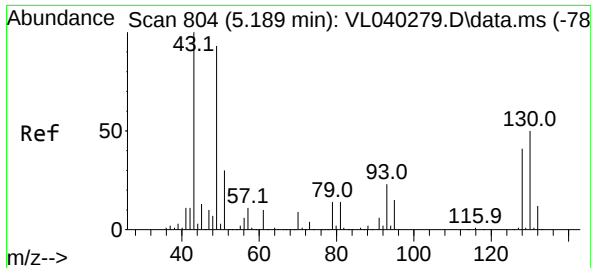
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Quant Time: Apr 11 14:00:40 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 : Tue Apr 11 04:15:53 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

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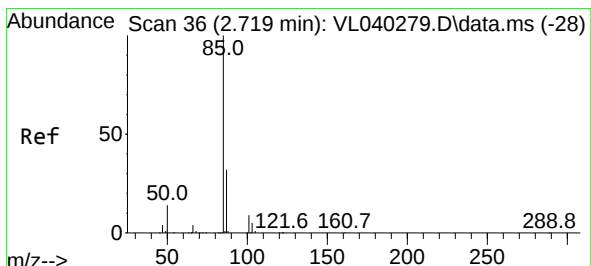
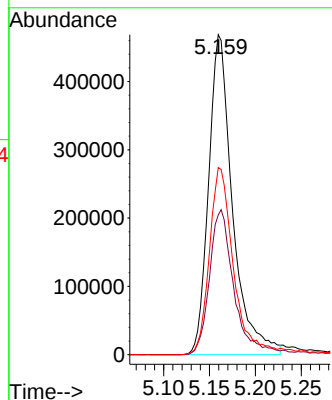
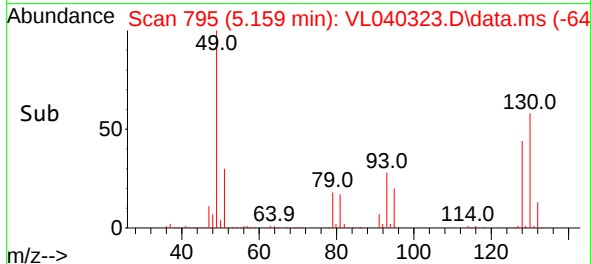
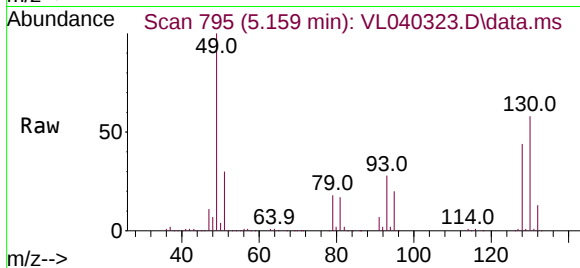
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.159 min Scan# 79
Delta R.T. -0.030 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 49 Resp: 850520
Ion Ratio Lower Upper
49 100
128 47.1 22.4 67.3
130 61.7 28.7 86.1

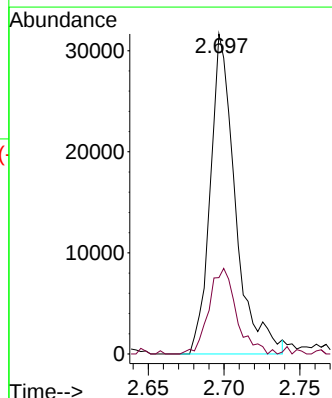
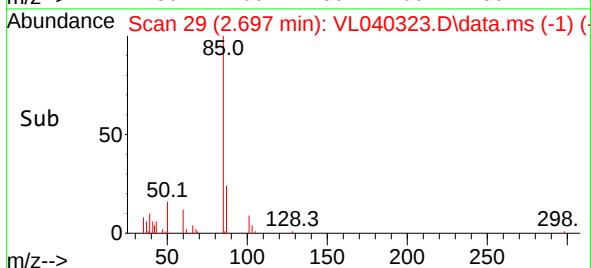
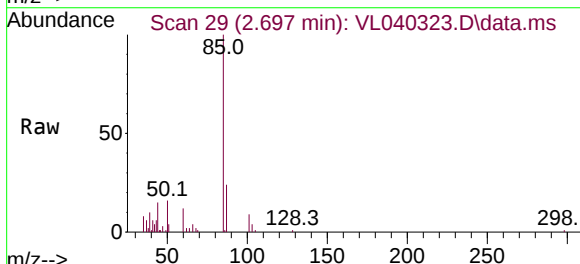
Manual Integrations
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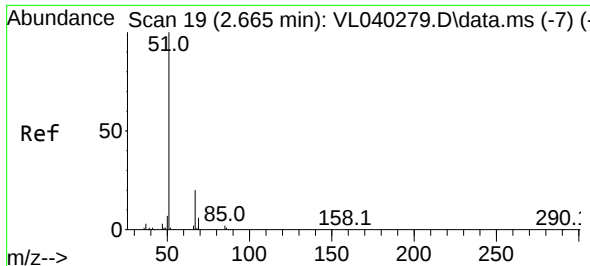
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#2
Dichlorodifluoromethane
Concen: 0.218 ppbv m
RT: 2.697 min Scan# 29
Delta R.T. -0.022 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

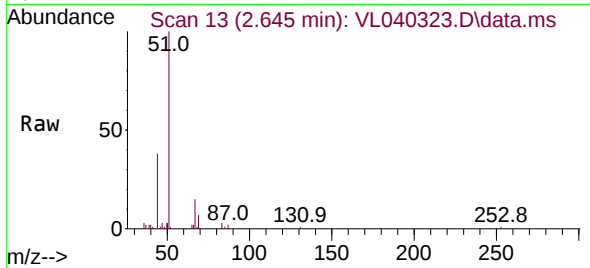
Tgt Ion: 85 Resp: 36412
Ion Ratio Lower Upper
85 100
87 23.8 25.5 38.3#





#3
Chlorodifluoromethane
Concen: 0.227 ppbv m
RT: 2.645 min Scan# 11
Delta R.T. -0.020 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

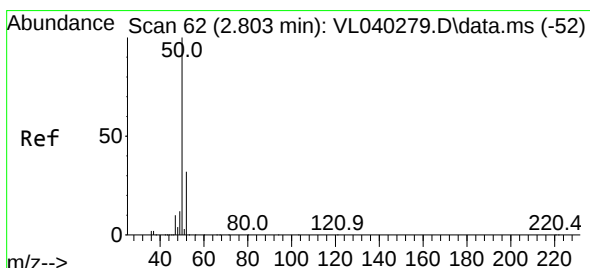
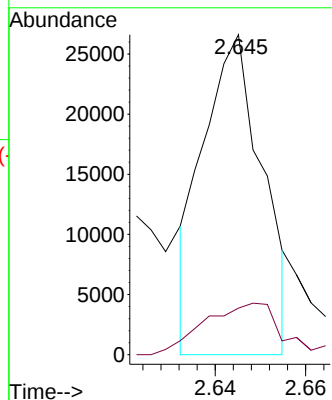
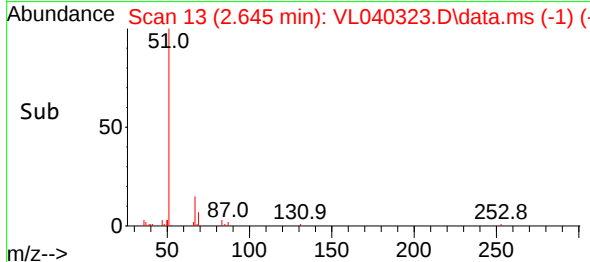
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



Tgt Ion: 51 Resp: 24270
Ion Ratio Lower Upper
51 100
67 1.3 16.0 24.0

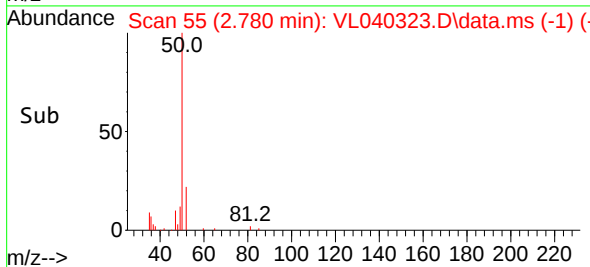
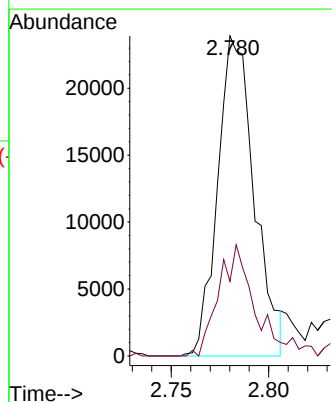
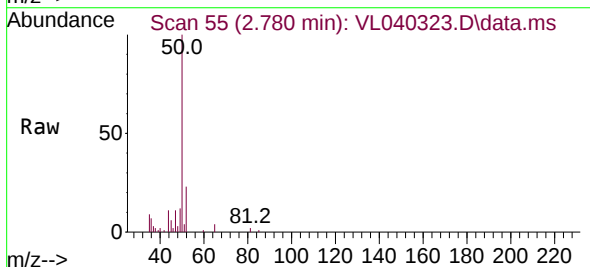
Manual Integrations
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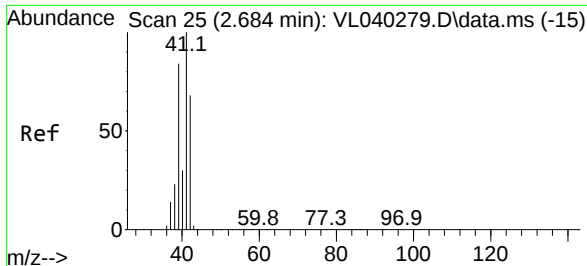
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#4
Chloromethane
Concen: 0.473 ppbv
RT: 2.780 min Scan# 55
Delta R.T. -0.023 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

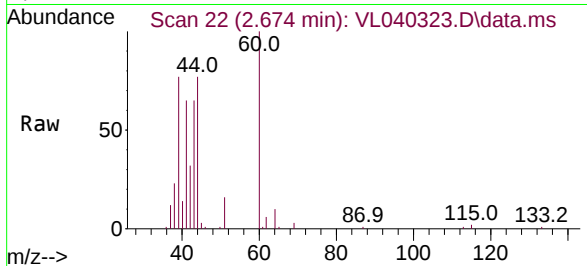
Tgt Ion: 50 Resp: 31222
Ion Ratio Lower Upper
50 100
52 23.3 25.9 38.9





#9
 Propene
 Concen: 0.539 ppbv m
 RT: 2.674 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: VL040323.D
 Acq: 10 Apr 2023 13:48

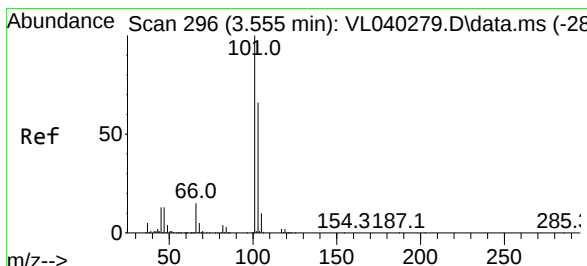
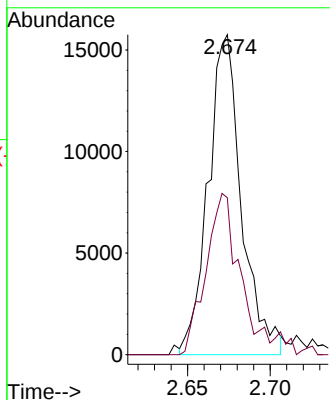
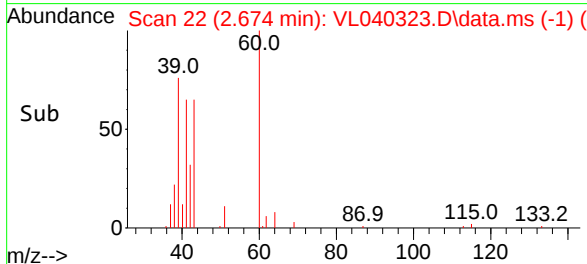
Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP



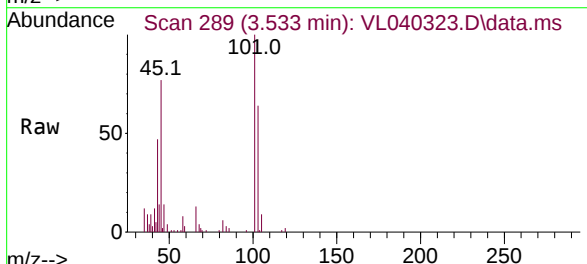
Tgt Ion: 41 Resp: 2208
 Ion Ratio Lower Upper
 41 100
 42 539.9 59.0 88.4

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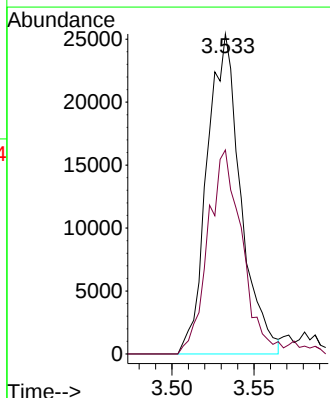
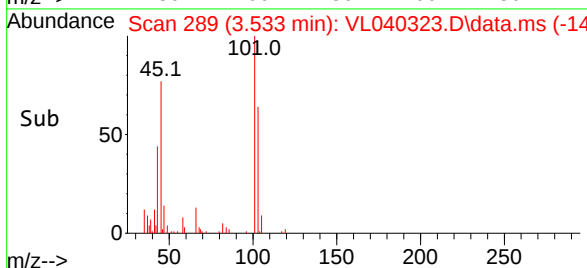
Reviewed By :Semsettin Yesilyurt 04/11/2023
 Supervised By :Mahesh Dadoda 04/11/2023

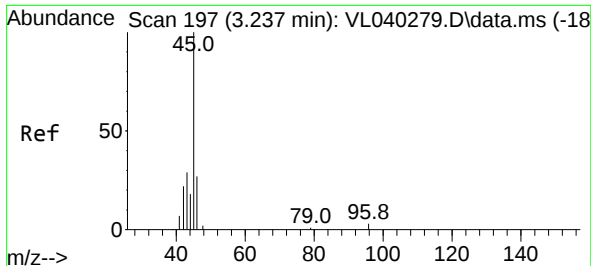


#11
 Trichlorofluoromethane
 Concen: 0.239 ppbv
 RT: 3.533 min Scan# 289
 Delta R.T. -0.022 min
 Lab File: VL040323.D
 Acq: 10 Apr 2023 13:48



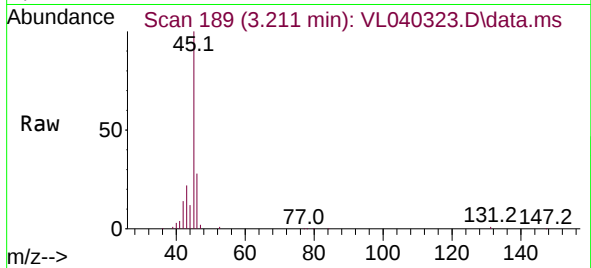
Tgt Ion:101 Resp: 36151
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.1 79.7





#13
Ethanol
Concen: 46.540 ppbv
RT: 3.211 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

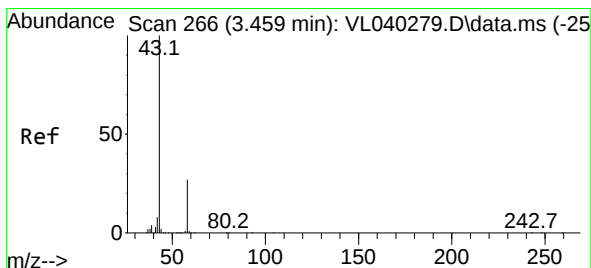
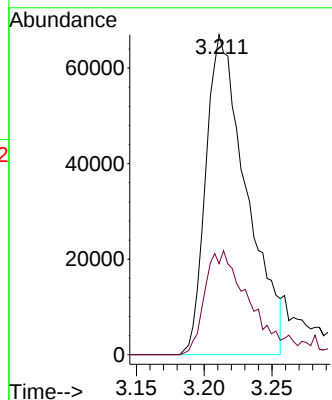
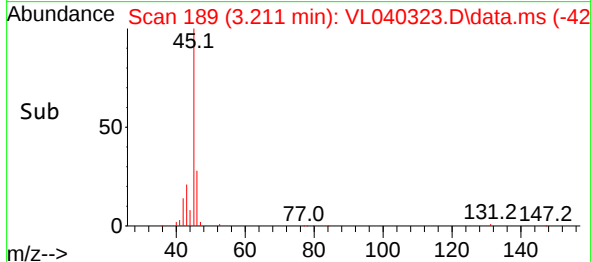
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



Tgt Ion: 45 Resp: 13985
Ion Ratio Lower Upper
45 100
46 38.4 15.0 60.2

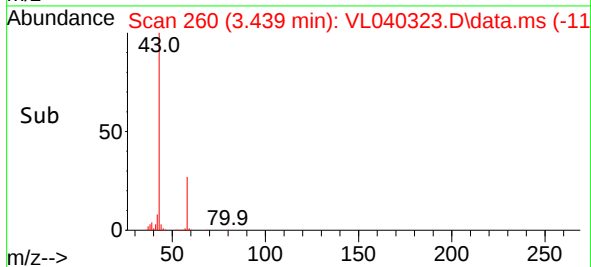
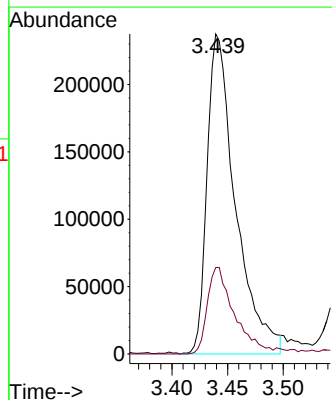
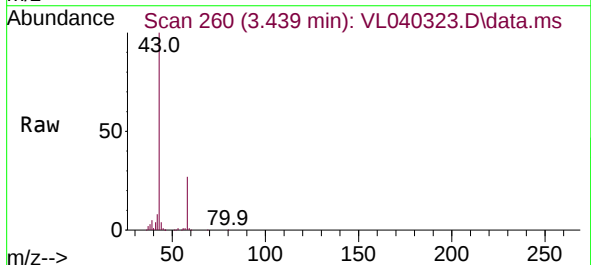
Manual Integrations
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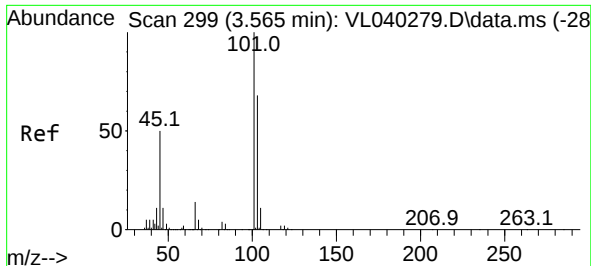
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#15
Acetone
Concen: 4.071 ppbv
RT: 3.439 min Scan# 260
Delta R.T. -0.020 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 43 Resp: 421574
Ion Ratio Lower Upper
43 100
58 27.2 21.8 32.8





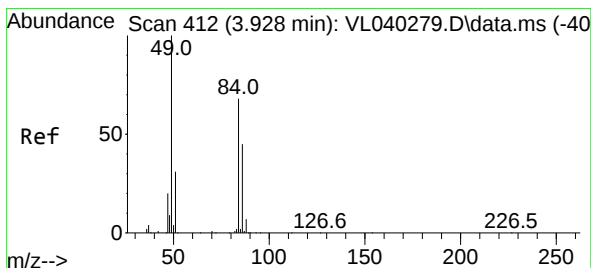
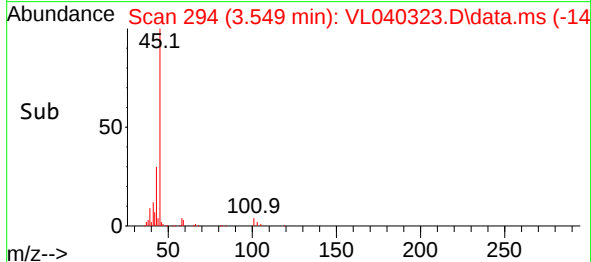
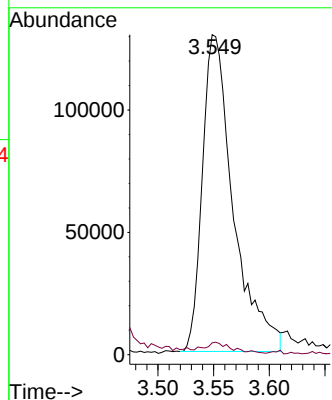
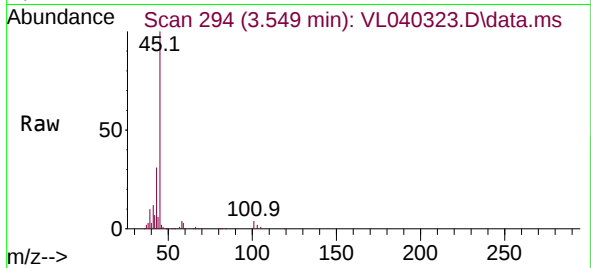
#19
Isopropyl Alcohol
Concen: 5.053 ppbv
RT: 3.549 min Scan# 299
Delta R.T. -0.016 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Instrument : MSVOA_L
ClientSampleId : AA-1DUP

Tgt Ion: 45 Resp: 250615
Ion Ratio Lower Upper
45 100
58 3.5 2.7 4.1

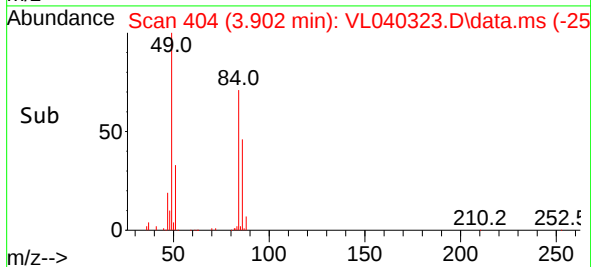
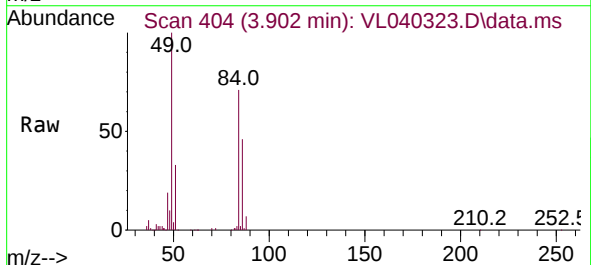
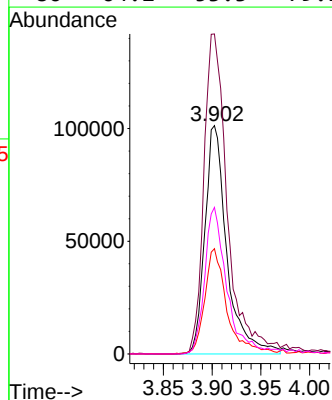
Manual Integrations
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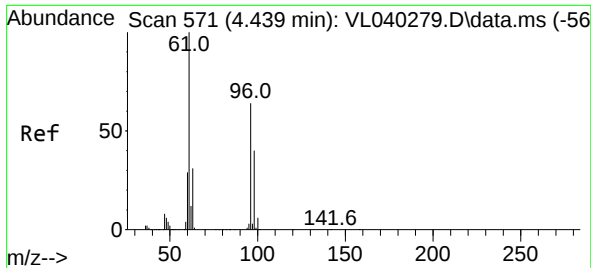
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#20
Methylene Chloride
Concen: 3.657 ppbv
RT: 3.902 min Scan# 404
Delta R.T. -0.026 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 84 Resp: 159320
Ion Ratio Lower Upper
84 100
49 139.9 117.5 176.3
51 46.1 36.9 55.3
86 64.2 53.3 79.9





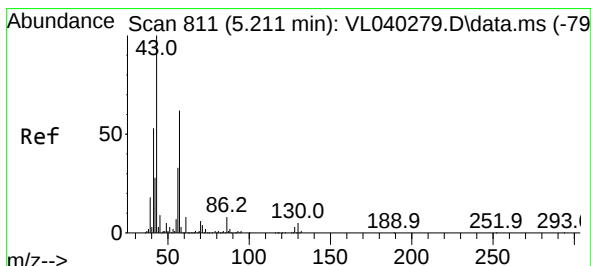
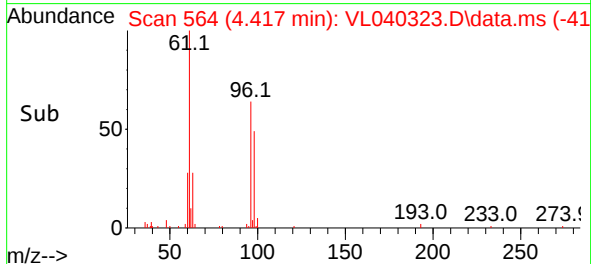
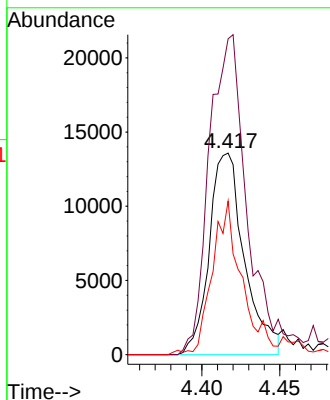
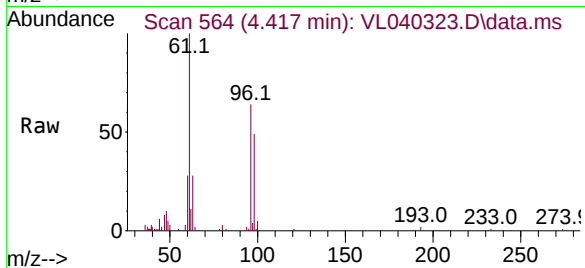
#22
trans-1,2-Dichloroethene
Concen: 0.430 ppbv
RT: 4.417 min Scan# 501
Delta R.T. -0.022 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 96 Resp: 21340
Ion Ratio Lower Upper
96 100
61 156.7 125.4 188.2
98 74.0 49.8 74.6

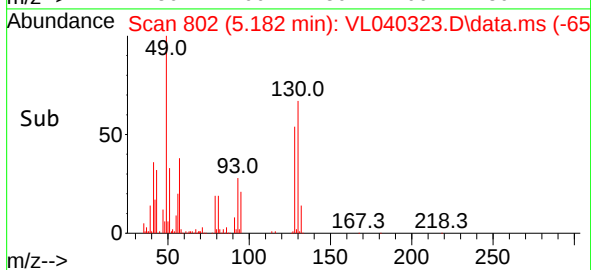
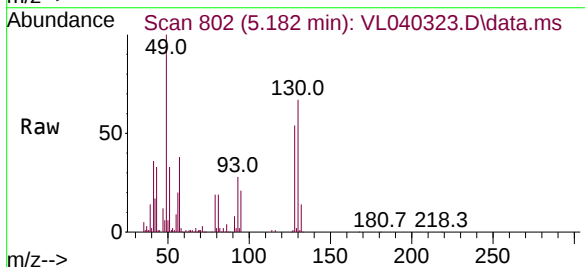
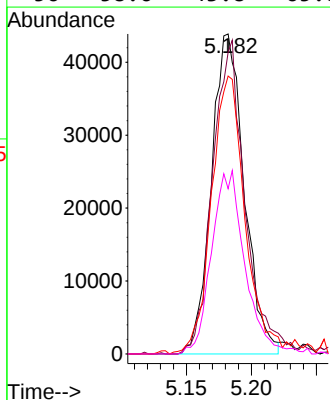
Manual Integrations
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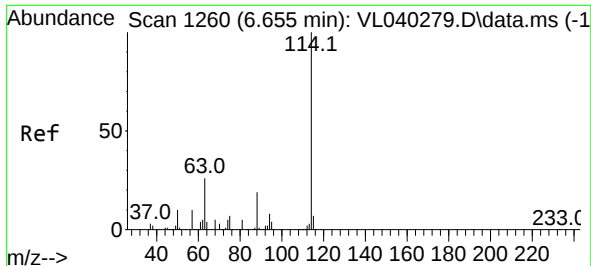
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#26
Hexane
Concen: 0.967 ppbv
RT: 5.182 min Scan# 802
Delta R.T. -0.029 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

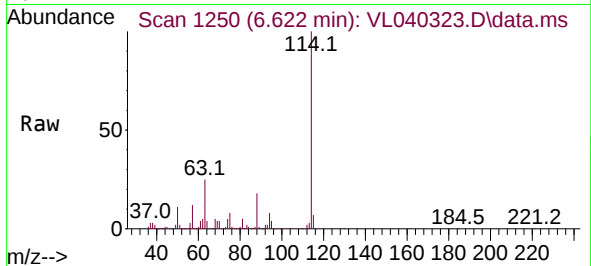
Tgt Ion: 57 Resp: 76933
Ion Ratio Lower Upper
57 100
41 99.0 73.5 110.3
43 92.9 196.3 294.5#
56 58.6 43.8 65.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.622 min Scan# 114
Delta R.T. -0.033 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

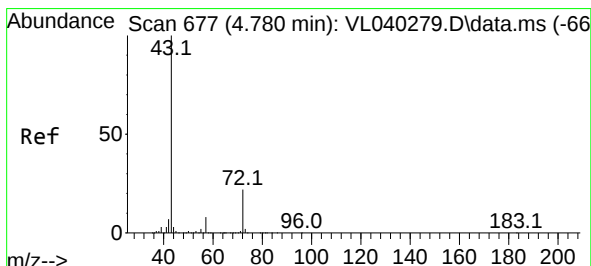
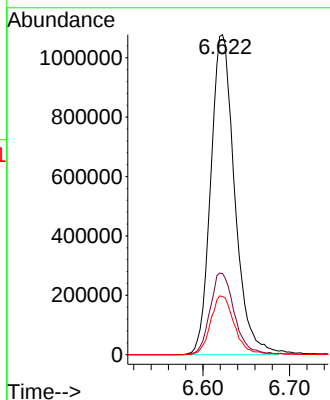
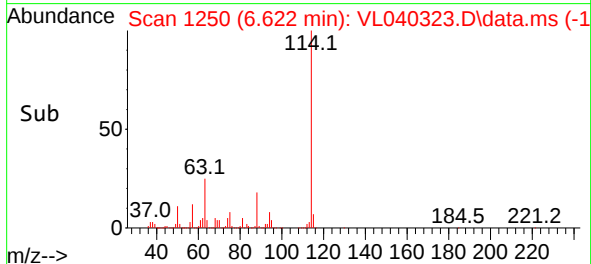
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



Tgt Ion:114 Resp: 206662
Ion Ratio Lower Upper
114 100
63 26.5 21.2 31.8
88 18.4 14.5 21.7

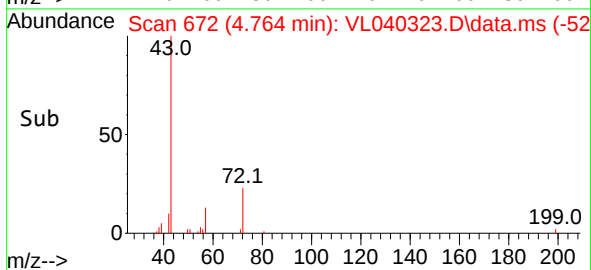
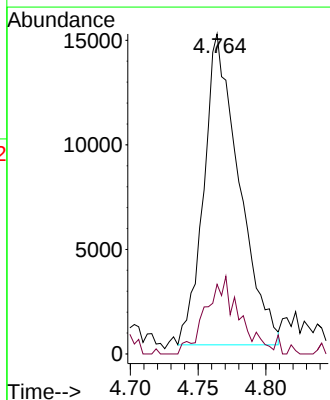
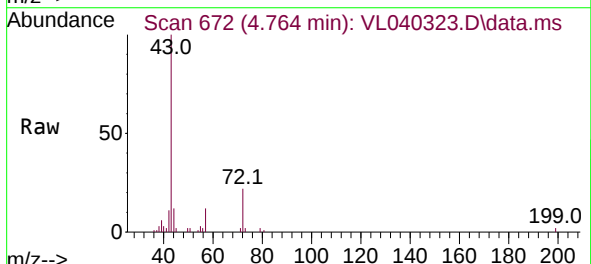
Manual Integrations
APPROVED

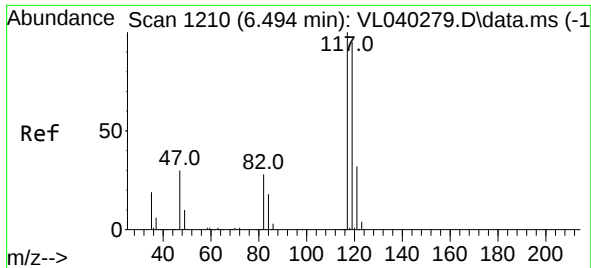
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#34
2-Butanone
Concen: 0.264 ppbv
RT: 4.764 min Scan# 672
Delta R.T. -0.016 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

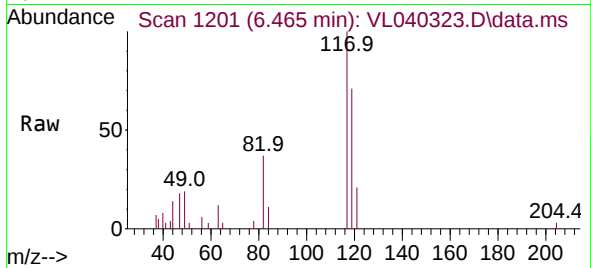
Tgt Ion: 43 Resp: 26946
Ion Ratio Lower Upper
43 100
72 25.3 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 6.465 min Scan# 1169
Delta R.T. -0.029 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

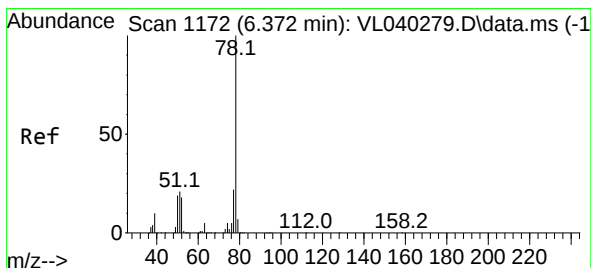
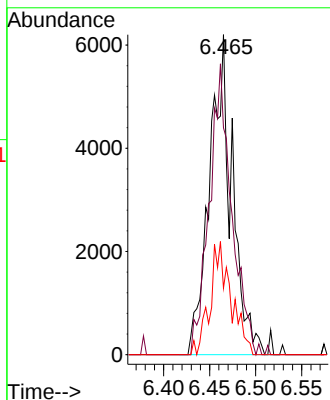
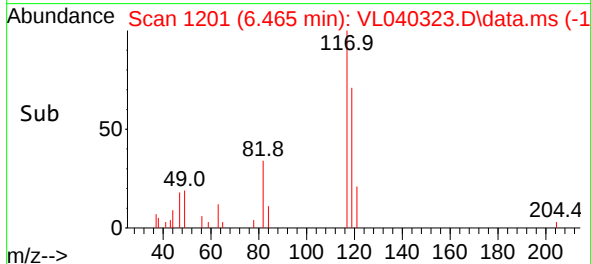
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



Tgt Ion: 117 Resp: 10692
Ion Ratio Lower Upper
117 100
119 70.9 76.4 114.6
121 20.8 25.6 38.4

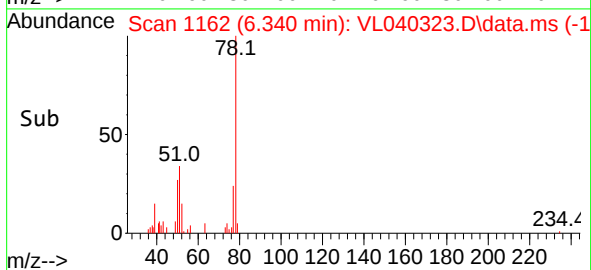
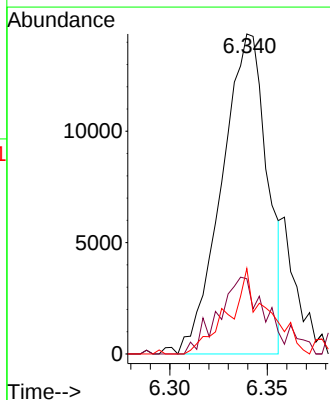
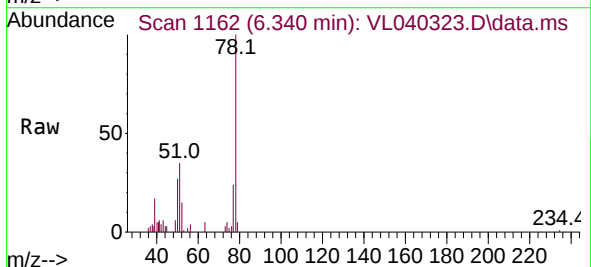
Manual Integrations
APPROVED

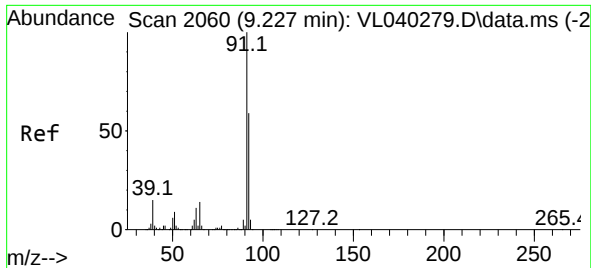
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#36
Benzene
Concen: 0.148 ppbv
RT: 6.340 min Scan# 1162
Delta R.T. -0.032 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 78 Resp: 23284
Ion Ratio Lower Upper
78 100
77 23.5 17.8 26.8
50 26.7 15.4 23.2





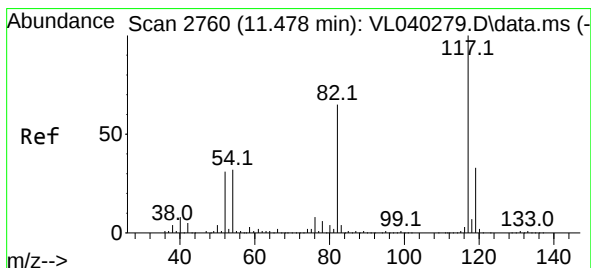
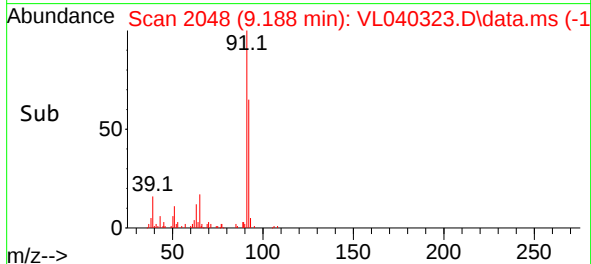
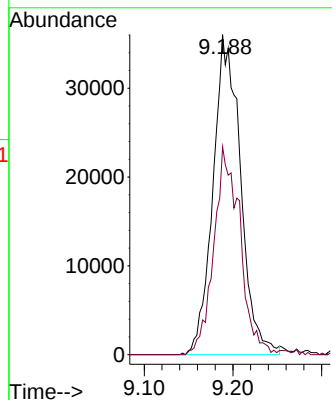
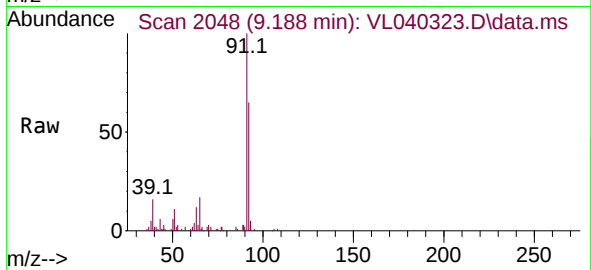
#53
Toluene
Concen: 0.471 ppbv m
RT: 9.188 min Scan# 2060
Delta R.T. -0.039 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 91 Resp: 77720
Ion Ratio Lower Upper
91 100
92 62.7 48.0 72.0

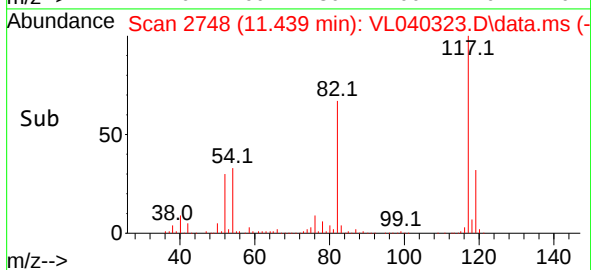
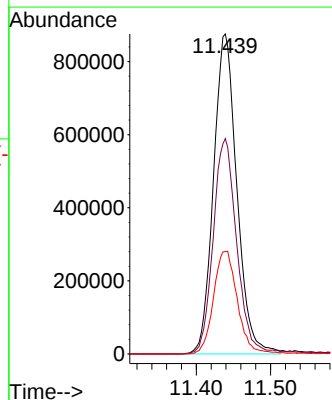
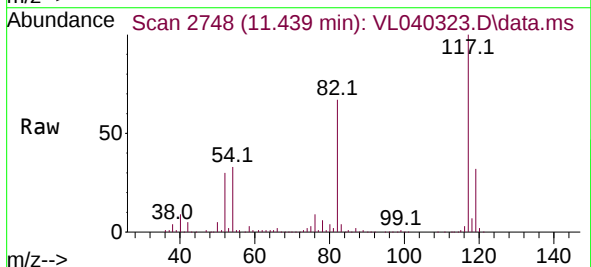
Manual Integrations
APPROVED

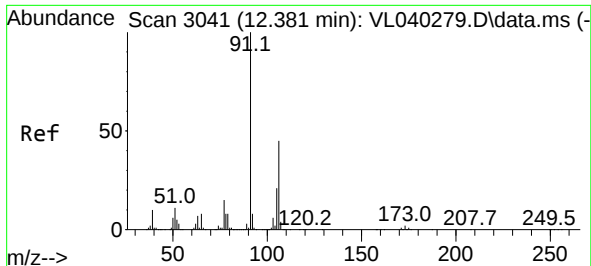
Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. -0.039 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

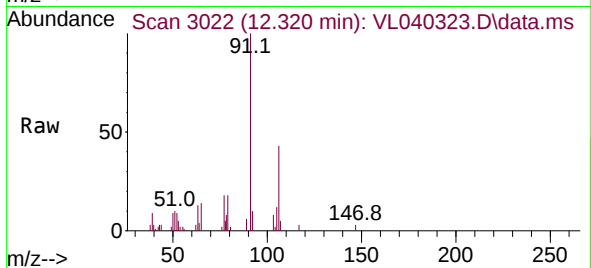
Tgt Ion:117 Resp: 1913918
Ion Ratio Lower Upper
117 100
82 68.4 51.4 77.2
119 33.2 24.0 36.0





#59
m/p-Xylene
Concen: 0.223 ppbv m
RT: 12.320 min Scan# 3041
Delta R.T. -0.061 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

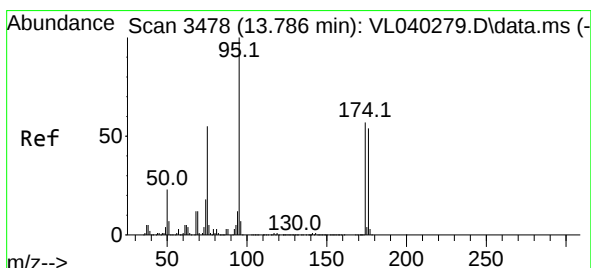
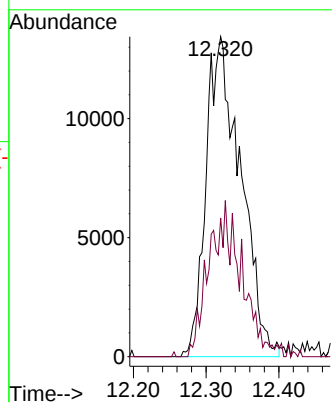
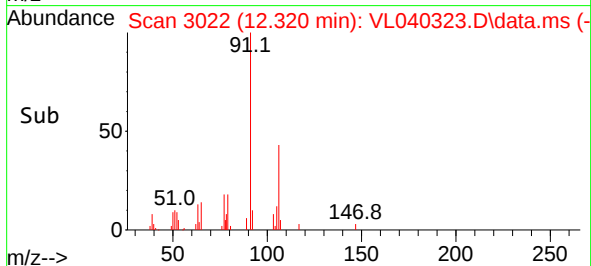
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



Tgt Ion: 91 Resp: 44480
Ion Ratio Lower Upper
91 100
106 0.0 34.0 51.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.011 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. -0.035 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 95 Resp: 1604514
Ion Ratio Lower Upper
95 100
174 58.8 47.0 70.6
175 4.1 3.4 5.2

