

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040381.D
 Acq On : 19 Apr 2023 15:54
 Operator : SY/MD
 Sample : 02368-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP1-A

Manual Integrations
 APPROVED

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

Quant Time: Apr 20 05:11:01 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-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	5.182	49	1085558	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2700435	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2371301	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1914743	9.765	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	91499	0.467	ppbv	92
3) Chlorodifluoromethane	2.655	51	54642m	0.385	ppbv	
4) Chloromethane	2.796	50	39349	0.439	ppbv	92
9) Propene	2.687	41	59263m	1.058	ppbv	
11) Trichlorofluoromethane	3.549	101	42531	0.215	ppbv	97
13) Ethanol	3.221	45	2273215	485.906	ppbv	97
15) Acetone	3.452	43	1087492	7.073	ppbv	94
19) Isopropyl Alcohol	3.568	45	335910	4.788	ppbv	99
20) Methylene Chloride	3.918	84	905233	14.747	ppbv	100
26) Hexane	5.201	57	1668261	15.295	ppbv #	36
34) 2-Butanone	4.780	43	153862	1.057	ppbv	97
35) Carbon Tetrachloride	6.484	117	12277m	0.065	ppbv	
36) Benzene	6.362	78	61294	0.278	ppbv	93
44) 2,2,4-Trimethylpentane	7.320	57	57282	0.156	ppbv #	75
52) Tetrachloroethene	10.600	164	2199m	0.032	ppbv	
53) Toluene	9.220	91	183168	0.784	ppbv	98
58) Ethyl Benzene	12.089	91	32041m	0.110	ppbv	
59) m/p-Xylene	12.343	91	88056m	0.328	ppbv	
60) o-Xylene	13.060	91	39834	0.155	ppbv	98
74) 1,2,4-Trimethylbenzene	16.117	105	61203m	0.204	ppbv	

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

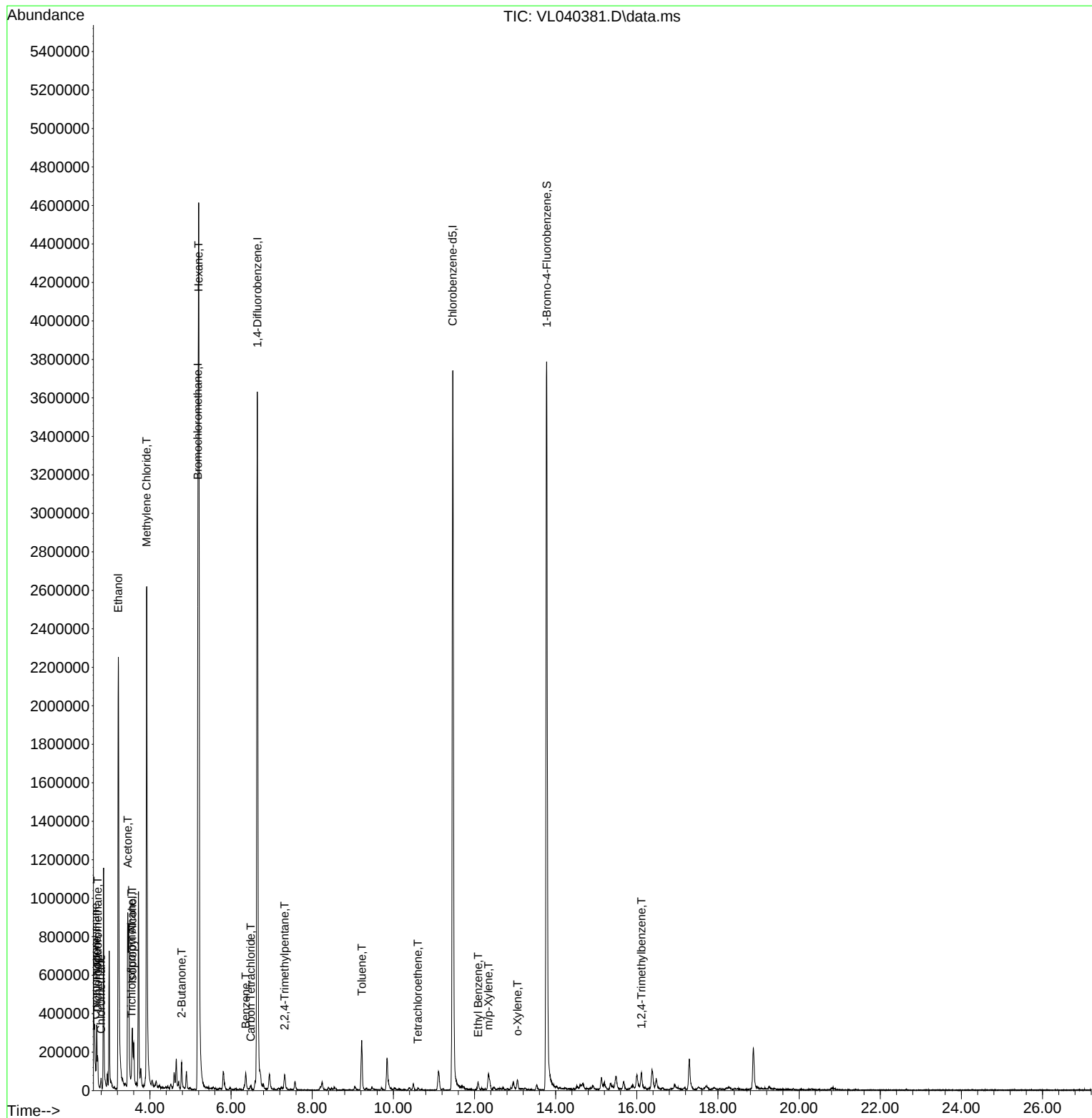
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
Data File : VL040381.D
Acq On : 19 Apr 2023 15:54
Operator : SY/MD
Sample : 02368-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

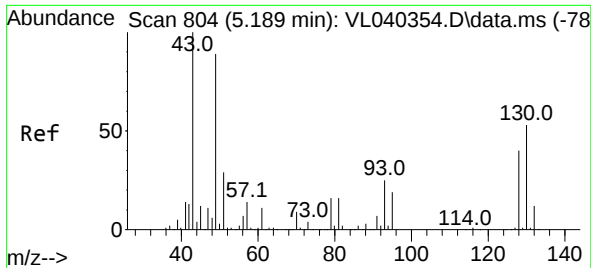
Instrument :
MSVOA_L
ClientSampleId :
AP1-A

Quant Time: Apr 20 05:11:01 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

Manual Integrations
APPROVED

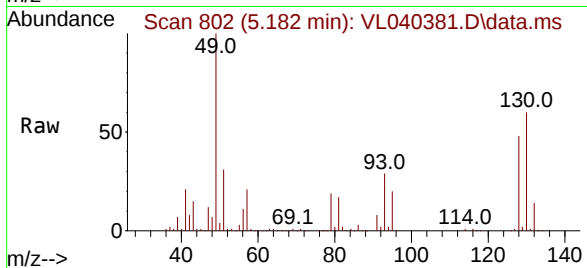
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

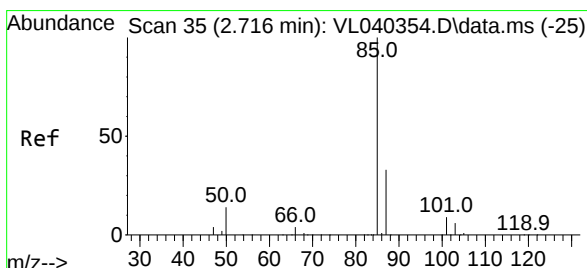
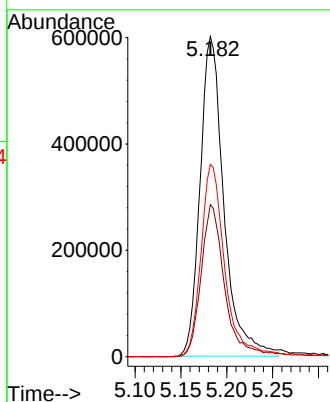
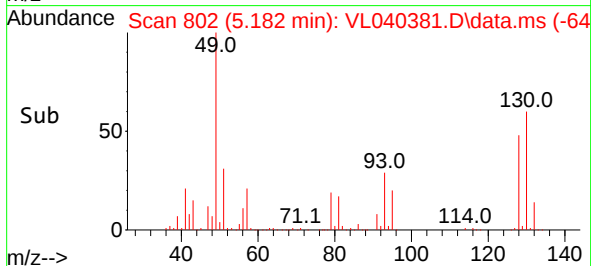
Instrument :
MSVOA_L
ClientSampleId :
AP1-A



Tgt Ion: 49 Resp: 108555
Ion Ratio Lower Upper
49 100
128 47.7 23.7 71.1
130 61.4 29.9 89.8

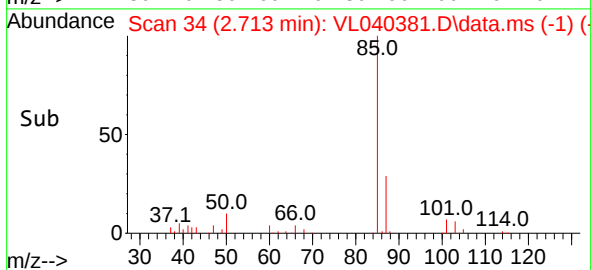
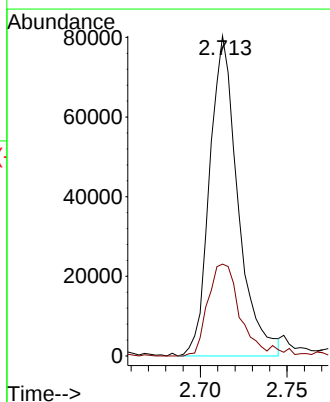
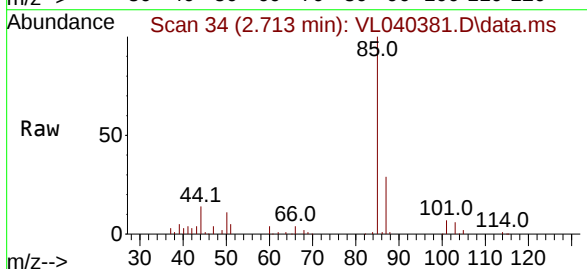
Manual Integrations
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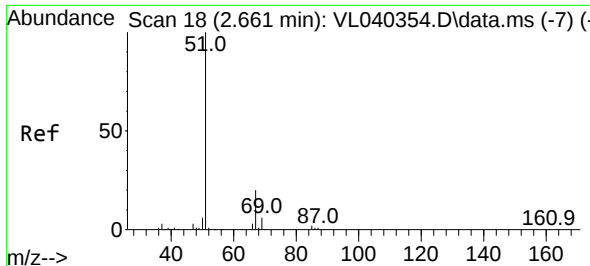
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#2
Dichlorodifluoromethane
Concen: 0.467 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

Tgt Ion: 85 Resp: 91499
Ion Ratio Lower Upper
85 100
87 28.7 26.6 40.0





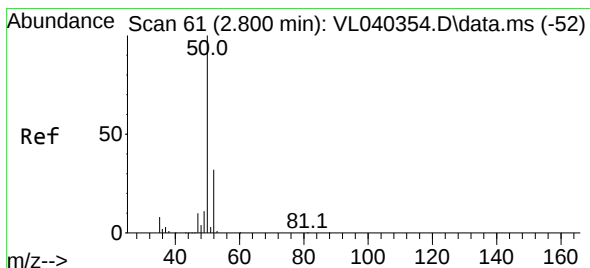
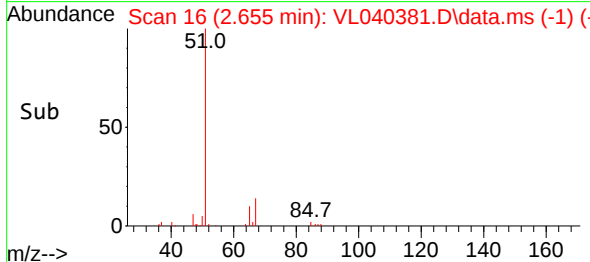
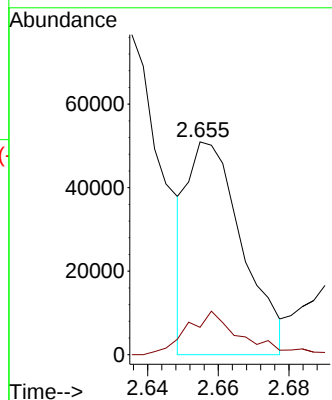
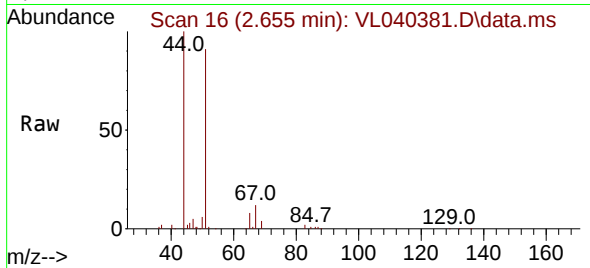
#3
Chlorodifluoromethane
Concen: 0.385 ppbv m
RT: 2.655 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

Instrument :
MSVOA_L
ClientSampleId :
AP1-A

Tgt Ion: 51 Resp: 5464
Ion Ratio Lower Upper
51 100
67 21.7 15.5 23.3

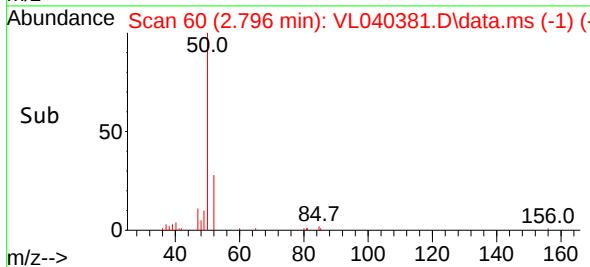
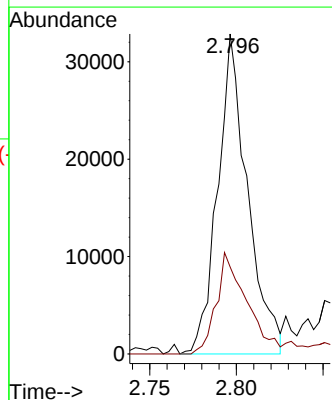
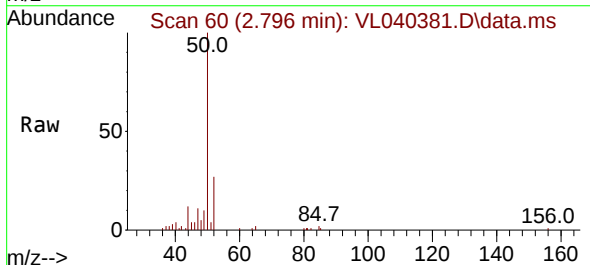
Manual Integrations
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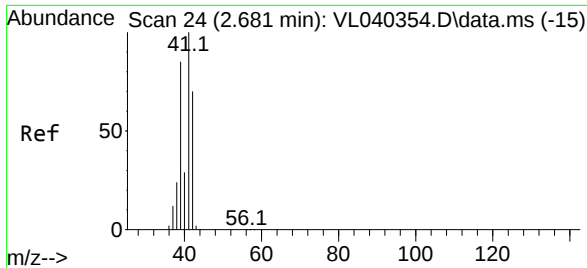
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#4
Chloromethane
Concen: 0.439 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.004 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

Tgt Ion: 50 Resp: 39349
Ion Ratio Lower Upper
50 100
52 27.3 25.3 37.9





#9

Propene

Concen: 1.058 ppbv m

RT: 2.687 min Scan# 2

Delta R.T. 0.006 min

Lab File: VL040381.D

Acq: 19 Apr 2023 15:54

Instrument :

MSVOA_L

ClientSampleId :

AP1-A

Tgt Ion: 41 Resp: 5926

Ion Ratio Lower Upper

41 100

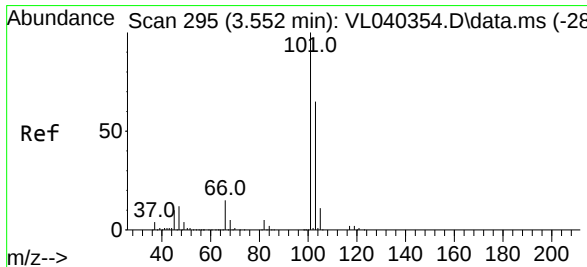
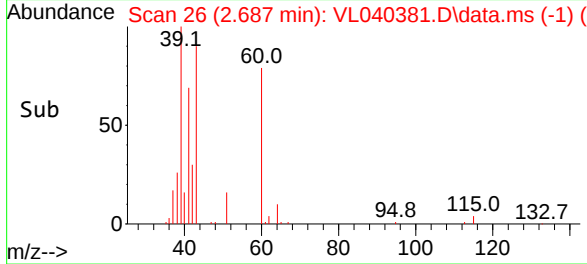
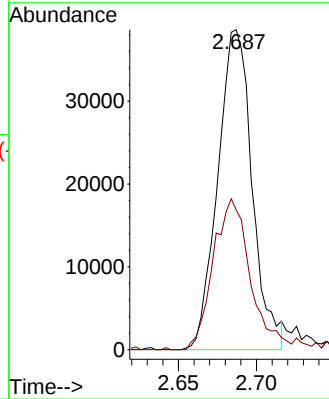
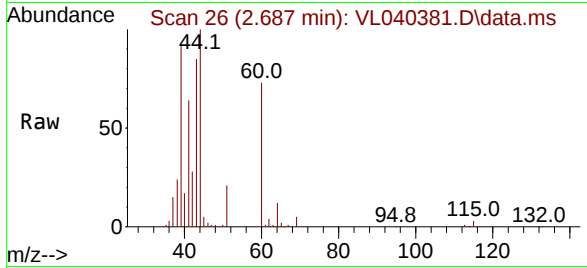
42 344.0 56.5 84.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#11

Trichlorofluoromethane

Concen: 0.215 ppbv

RT: 3.549 min Scan# 294

Delta R.T. -0.003 min

Lab File: VL040381.D

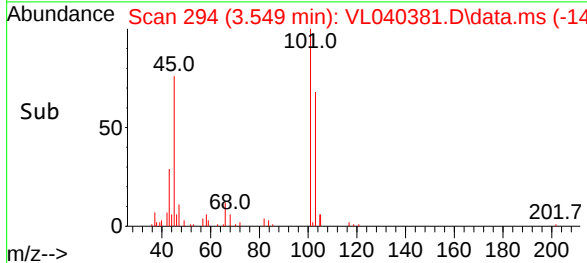
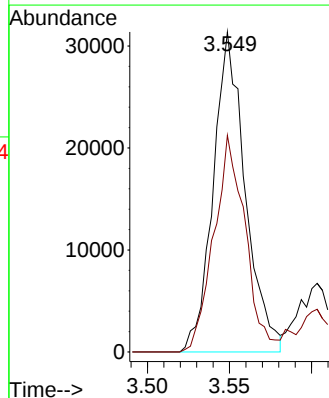
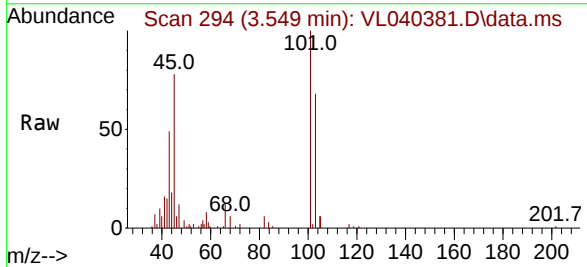
Acq: 19 Apr 2023 15:54

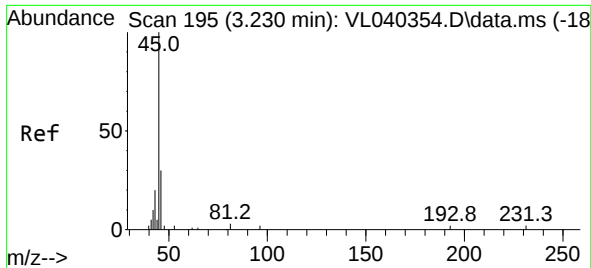
Tgt Ion:101 Resp: 42531

Ion Ratio Lower Upper

101 100

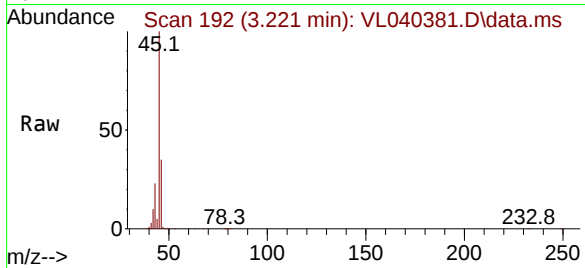
103 67.7 52.2 78.4





#13
Ethanol
Concen: 485.906 ppbv
RT: 3.221 min Scan# 192
Delta R.T. -0.009 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

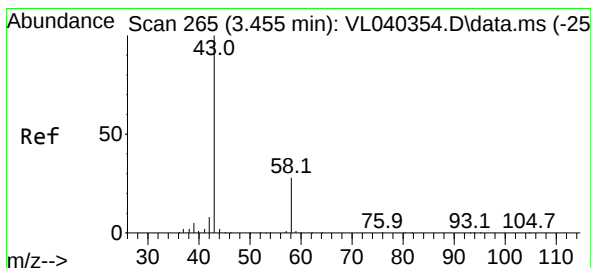
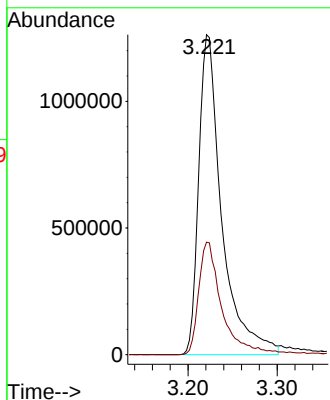
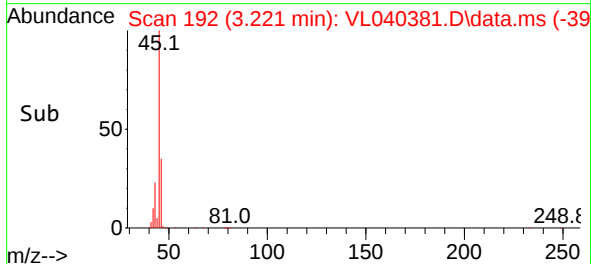
Instrument :
MSVOA_L
ClientSampleId :
AP1-A



Tgt Ion: 45 Resp: 227321
Ion Ratio Lower Upper
45 100
46 36.4 15.3 61.3

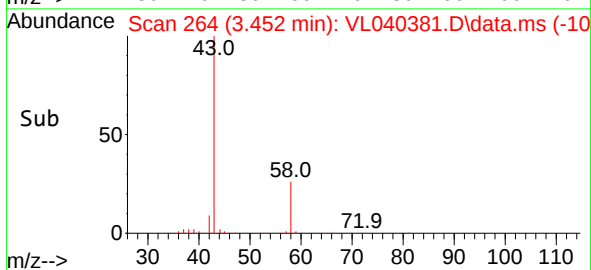
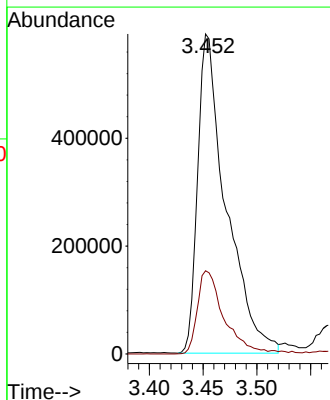
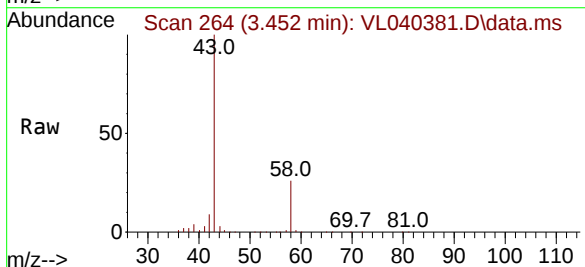
Manual Integrations
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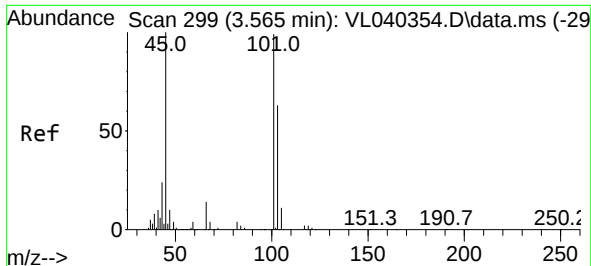
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#15
Acetone
Concen: 7.073 ppbv
RT: 3.452 min Scan# 264
Delta R.T. -0.003 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

Tgt Ion: 43 Resp: 1087492
Ion Ratio Lower Upper
43 100
58 24.8 22.2 33.2





#19

Isopropyl Alcohol

Concen: 4.788 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL040381.D

Acq: 19 Apr 2023 15:54

Instrument :

MSVOA_L

ClientSampleId :

AP1-A

Tgt Ion: 45 Resp: 335910

Ion Ratio Lower Upper

45 100

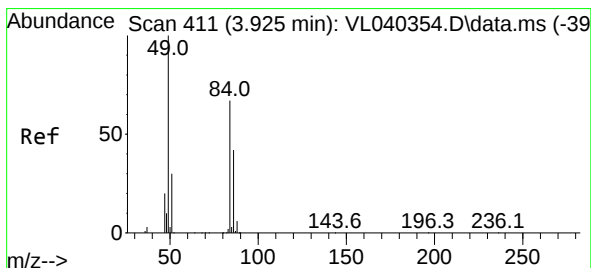
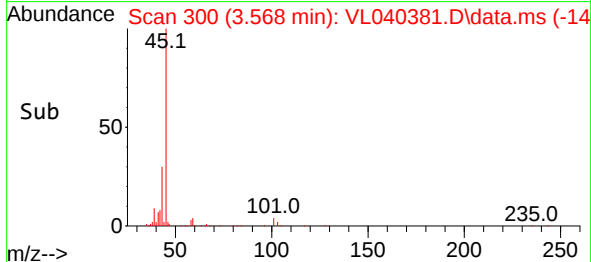
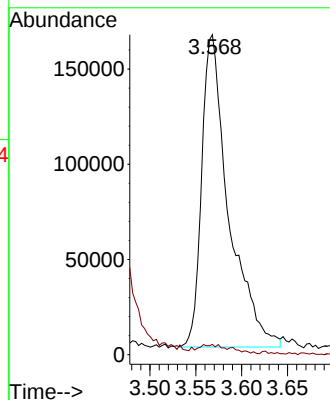
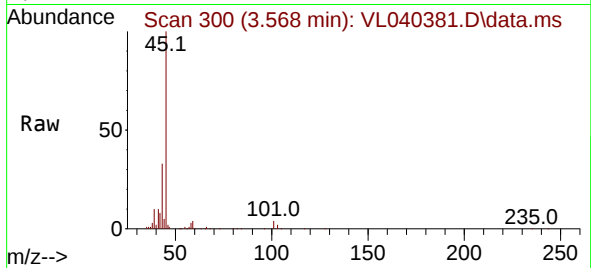
58 3.7 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#20

Methylene Chloride

Concen: 14.747 ppbv

RT: 3.918 min Scan# 409

Delta R.T. -0.007 min

Lab File: VL040381.D

Acq: 19 Apr 2023 15:54

Tgt Ion: 84 Resp: 905233

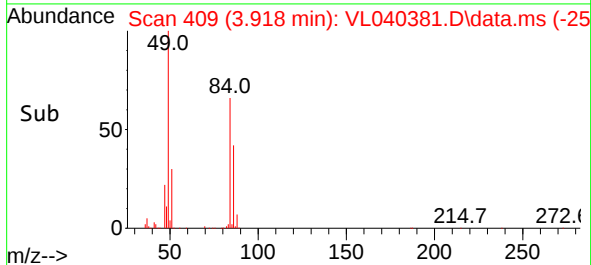
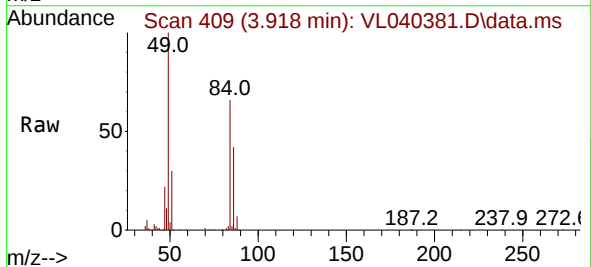
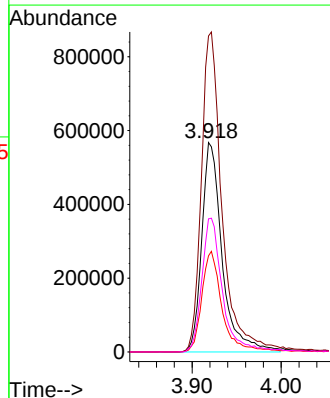
Ion Ratio Lower Upper

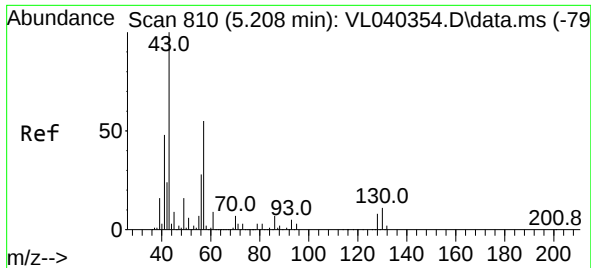
84 100

49 150.8 120.1 180.1

51 45.8 36.3 54.5

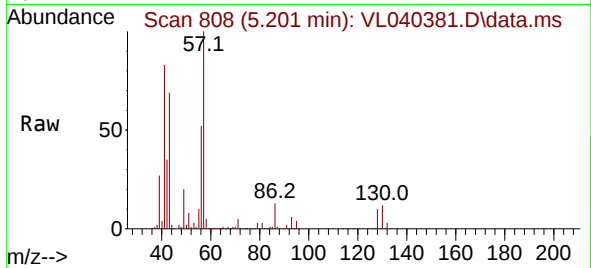
86 63.5 50.8 76.2





#26
Hexane
Concen: 15.295 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.007 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

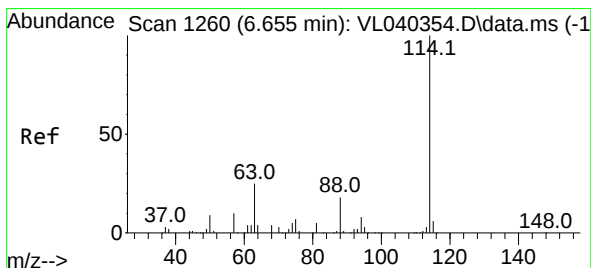
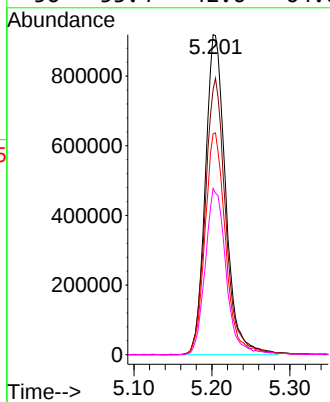
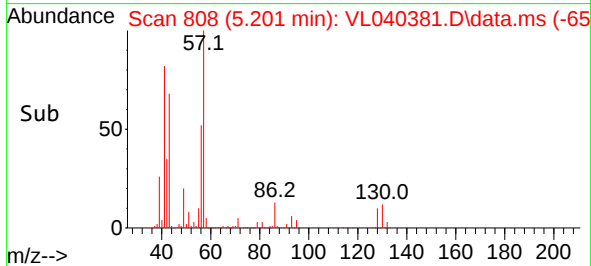
Instrument :
MSVOA_L
ClientSampleId :
AP1-A



Tgt Ion: 57 Resp: 166826
Ion Ratio Lower Upper
57 100
41 87.1 74.8 112.2
43 70.6 192.7 289.1
56 53.4 42.6 64.0

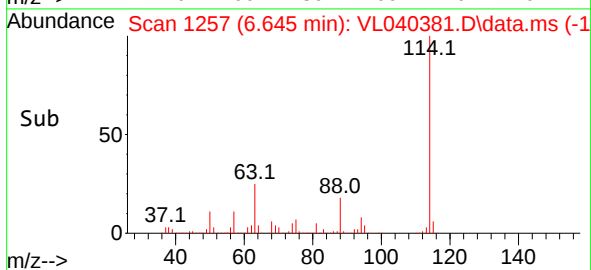
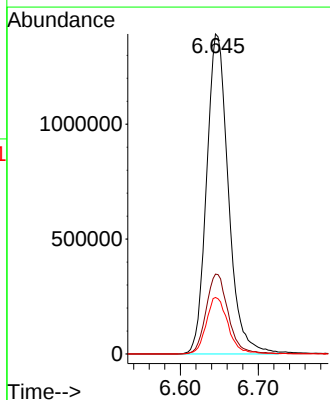
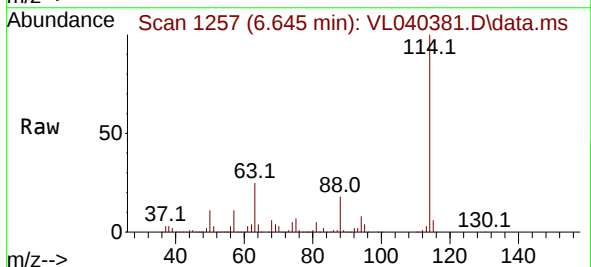
Manual Integrations
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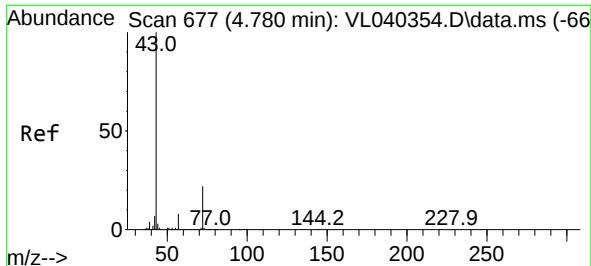
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

Tgt Ion:114 Resp: 2700435
Ion Ratio Lower Upper
114 100
63 25.5 21.4 32.0
88 17.9 14.6 22.0





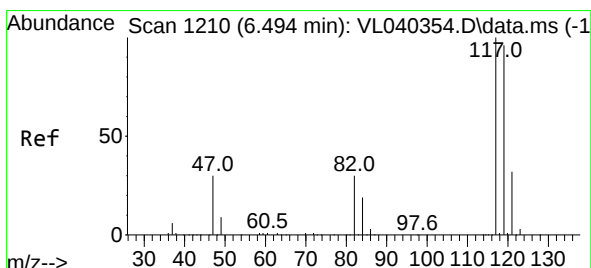
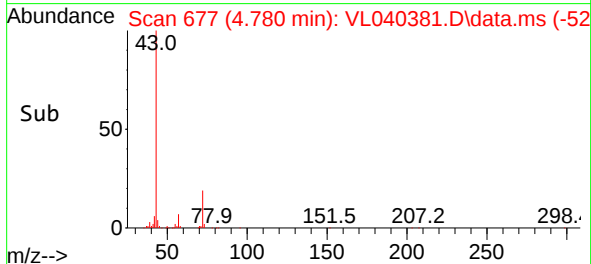
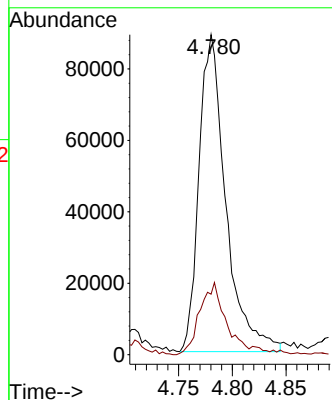
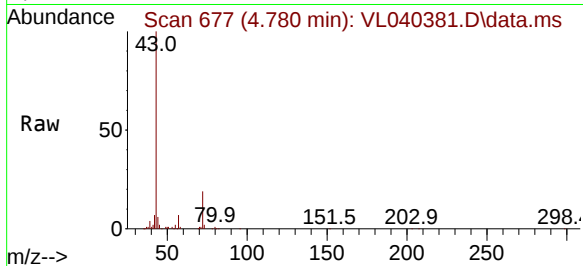
#34
2-Butanone
Concen: 1.057 ppbv
RT: 4.780 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

Instrument :
MSVOA_L
ClientSampleId :
AP1-A

Tgt Ion: 43 Resp: 153862
Ion Ratio Lower Upper
43 100
72 24.4 18.4 27.6

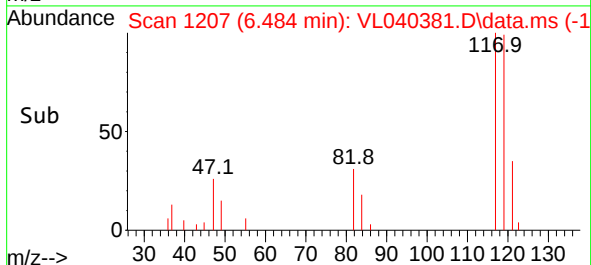
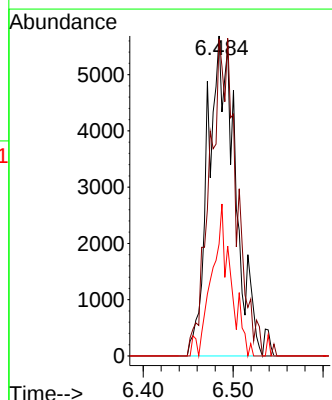
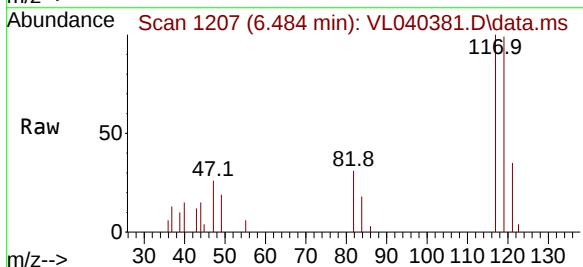
Manual Integrations
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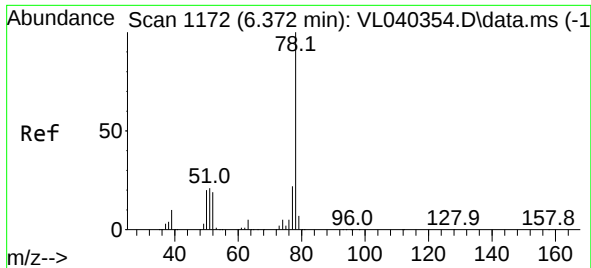
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 6.484 min Scan# 1207
Delta R.T. -0.010 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

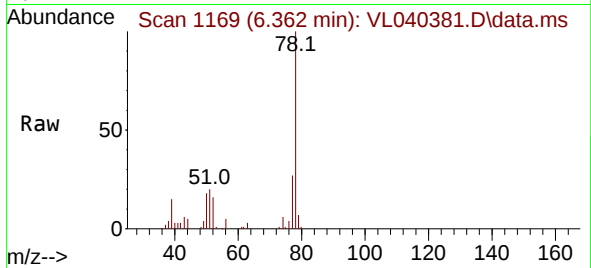
Tgt Ion:117 Resp: 12277
Ion Ratio Lower Upper
117 100
119 99.1 76.6 114.8
121 35.0 25.3 37.9





#36
Benzene
Concen: 0.278 ppbv
RT: 6.362 min Scan# 1172
Delta R.T. -0.010 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

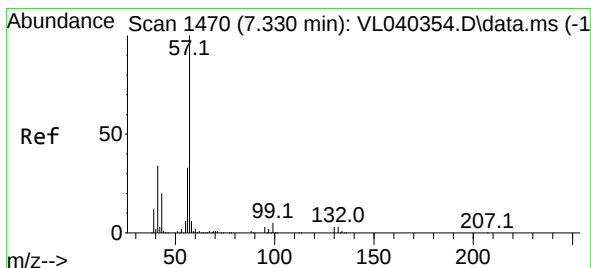
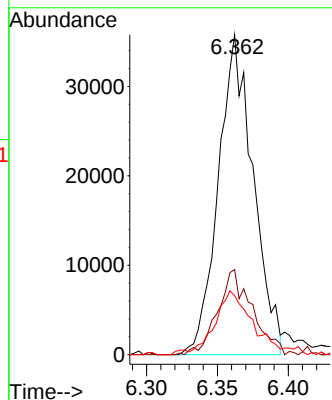
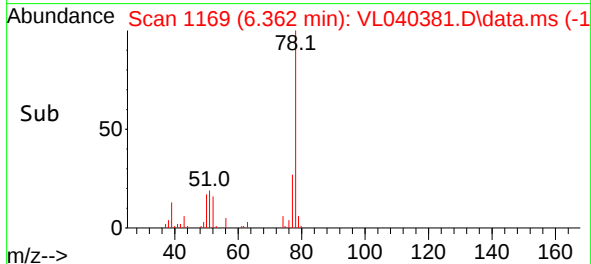
Instrument :
MSVOA_L
ClientSampleId :
AP1-A



Tgt Ion: 78 Resp: 61294
Ion Ratio Lower Upper
78 100
77 26.0 17.8 26.8
50 17.0 15.6 23.4

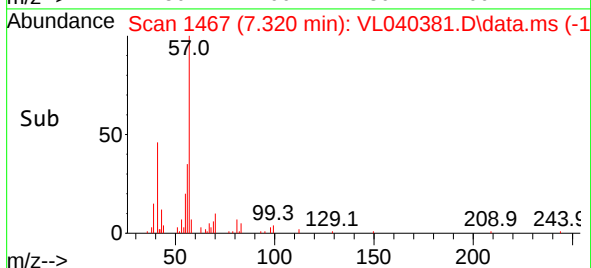
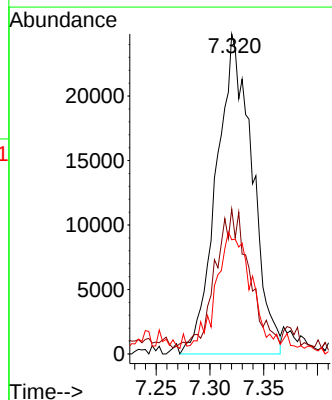
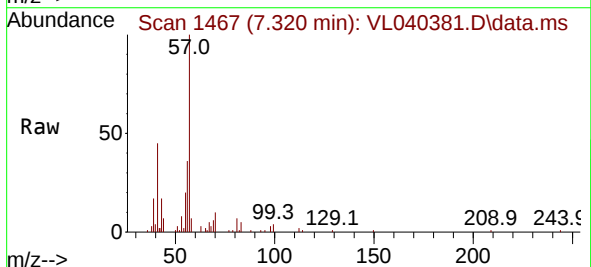
Manual Integrations
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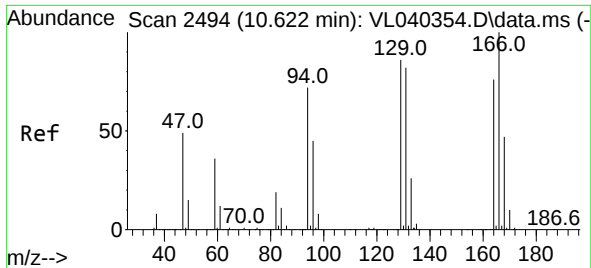
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#44
2,2,4-Trimethylpentane
Concen: 0.156 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. -0.010 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

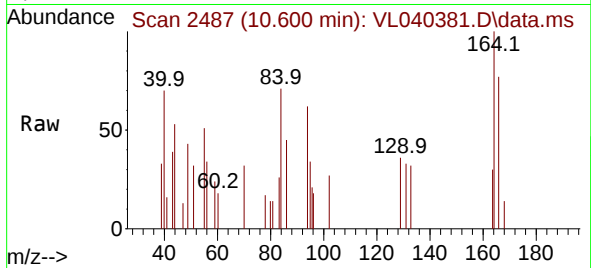
Tgt Ion: 57 Resp: 57282
Ion Ratio Lower Upper
57 100
41 50.6 26.9 40.3#
56 42.9 25.1 37.7#





#52
Tetrachloroethene
Concen: 0.032 ppbv m
RT: 10.600 min Scan# 2494
Delta R.T. -0.022 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

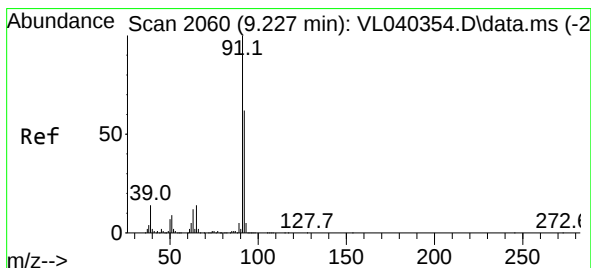
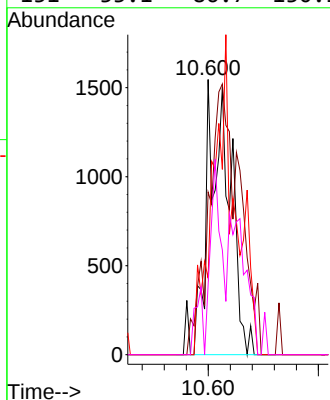
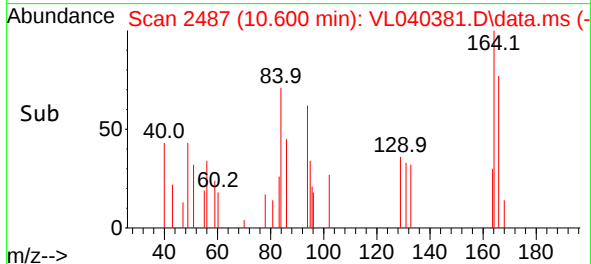
Instrument :
MSVOA_L
ClientSampleId :
AP1-A



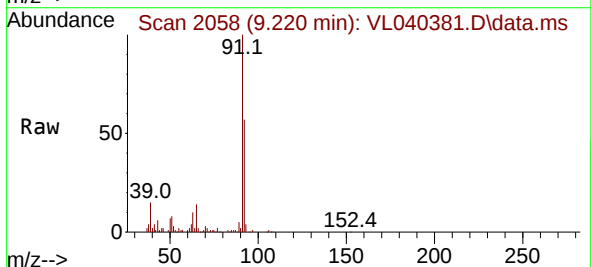
Tgt Ion:164 Resp: 2199
Ion Ratio Lower Upper
164 100
166 77.0 105.2 157.8
129 36.3 90.3 135.5
131 33.1 86.7 130.1

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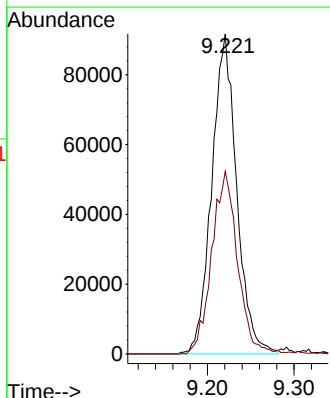
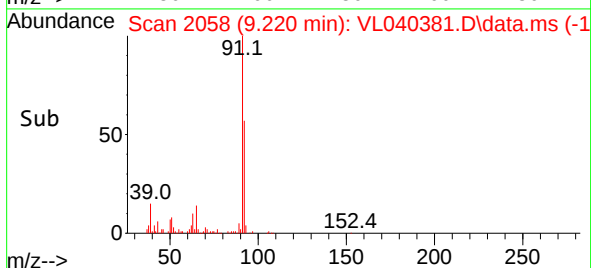
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

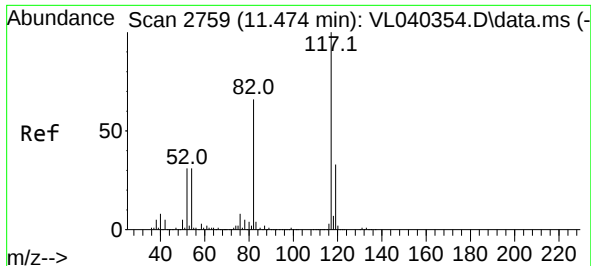


#53
Toluene
Concen: 0.784 ppbv
RT: 9.220 min Scan# 2058
Delta R.T. -0.007 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54



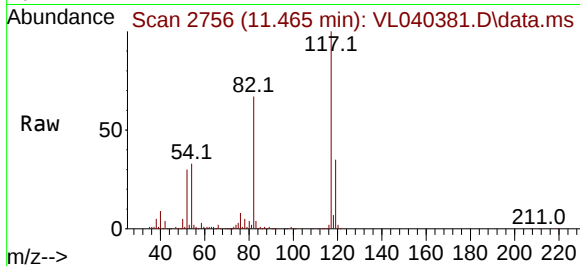
Tgt Ion: 91 Resp: 183168
Ion Ratio Lower Upper
91 100
92 59.5 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.009 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

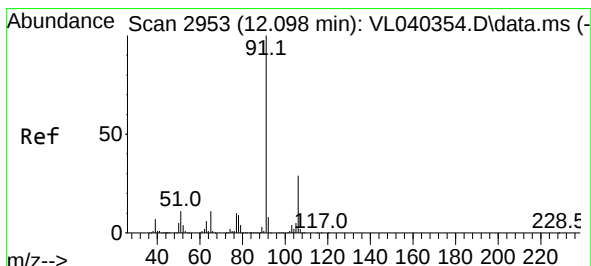
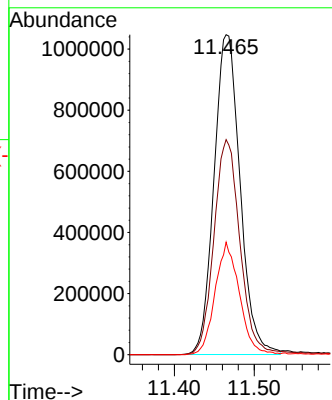
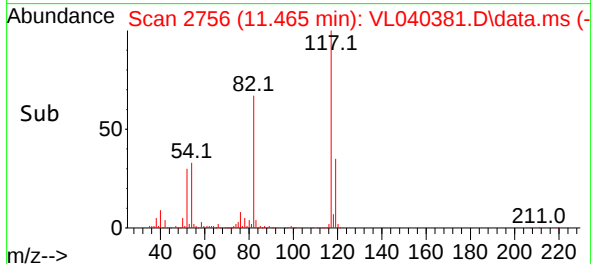
Instrument :
MSVOA_L
ClientSampleId :
AP1-A



Tgt Ion:117 Resp: 237130
Ion Ratio Lower Upper
117 100
82 67.5 52.5 78.7
119 33.2 24.3 36.5

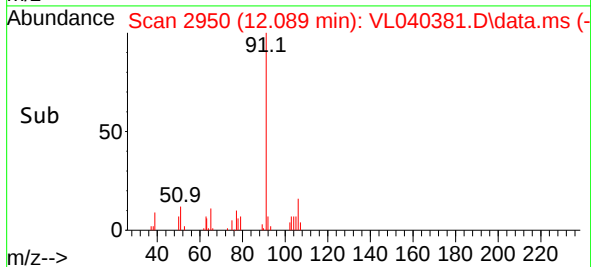
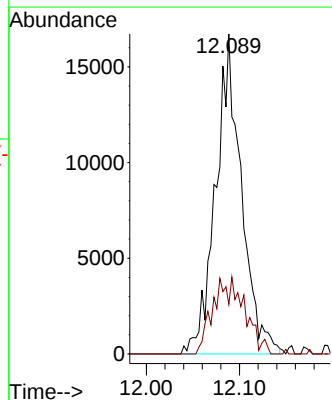
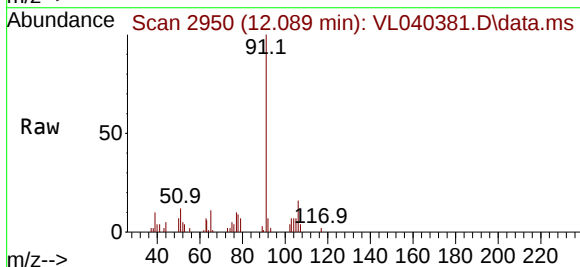
Manual Integrations
APPROVED

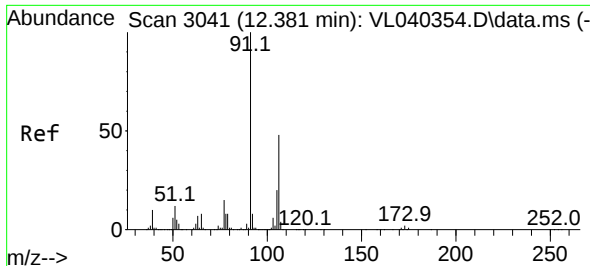
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#58
Ethyl Benzene
Concen: 0.110 ppbv m
RT: 12.089 min Scan# 2950
Delta R.T. -0.009 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

Tgt Ion: 91 Resp: 32041
Ion Ratio Lower Upper
91 100
106 15.5 23.5 35.3#





#59

m/p-Xylene

Concen: 0.328 ppbv m

RT: 12.343 min Scan# 3041

Delta R.T. -0.038 min

Lab File: VL040381.D

Acq: 19 Apr 2023 15:54

Instrument :

MSVOA_L

ClientSampleId :

AP1-A

Tgt Ion: 91 Resp: 8805

Ion Ratio Lower Upper

91 100

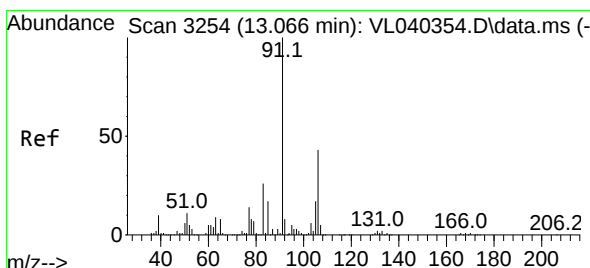
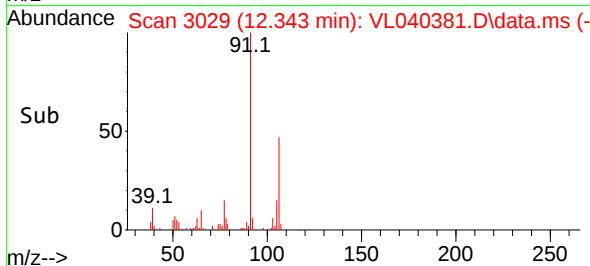
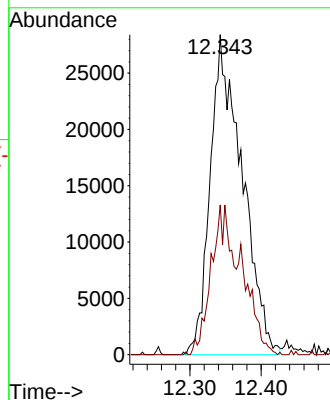
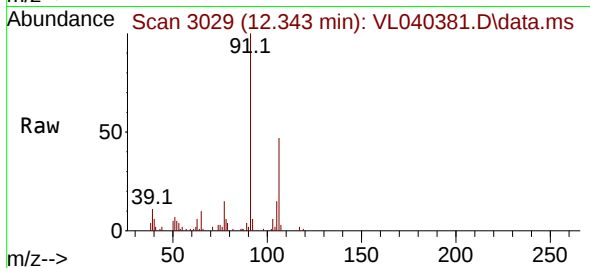
106 0.0 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#60

o-Xylene

Concen: 0.155 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. -0.006 min

Lab File: VL040381.D

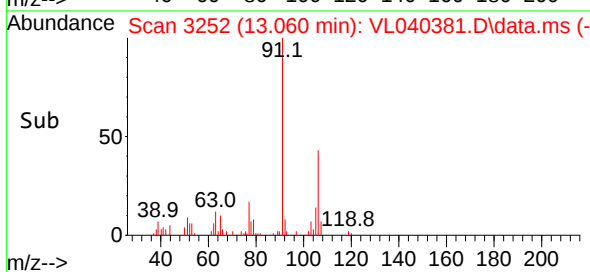
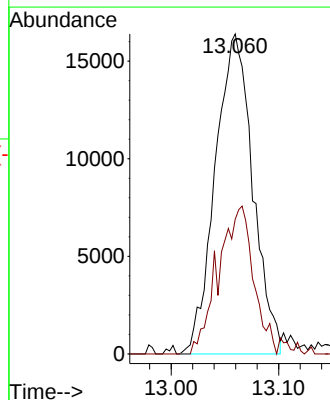
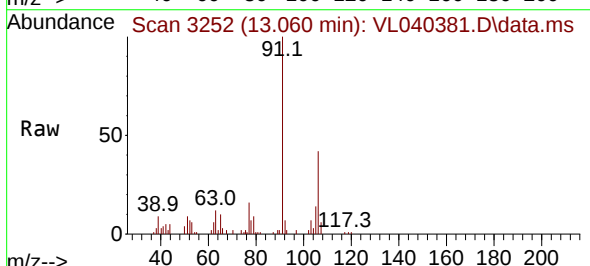
Acq: 19 Apr 2023 15:54

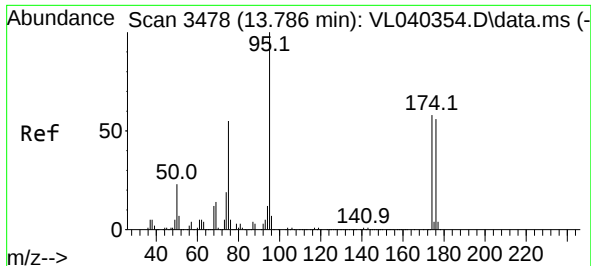
Tgt Ion: 91 Resp: 39834

Ion Ratio Lower Upper

91 100

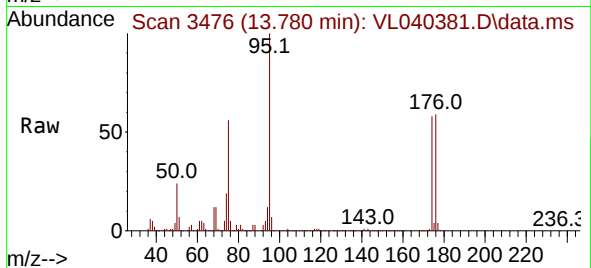
106 44.9 21.9 65.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.765 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.006 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54

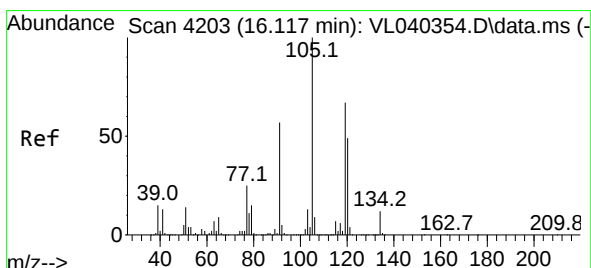
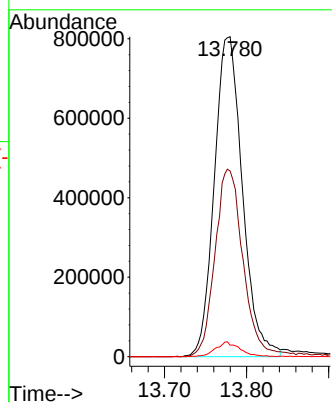
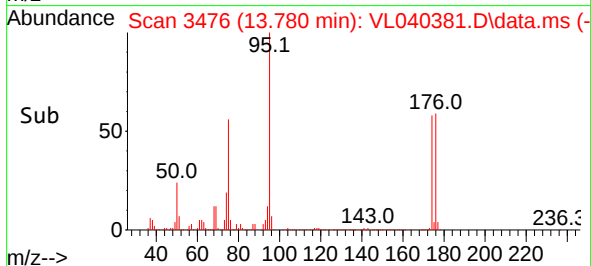
Instrument :
MSVOA_L
ClientSampleId :
AP1-A



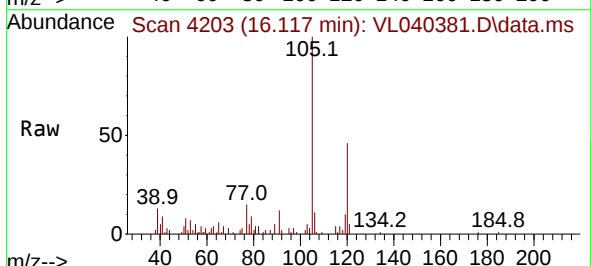
Tgt Ion: 95 Resp: 191474
Ion Ratio Lower Upper
95 100
174 60.0 47.2 70.8
175 4.2 3.5 5.3

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.204 ppbv m
RT: 16.117 min Scan# 4203
Delta R.T. 0.000 min
Lab File: VL040381.D
Acq: 19 Apr 2023 15:54



Tgt Ion:105 Resp: 61203
Ion Ratio Lower Upper
105 100
120 46.1 38.9 58.3
91 12.4 46.0 69.0#
77 15.0 20.0 30.0#

