

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040343.D
 Acq On : 12 Apr 2023 17:50
 Operator : SY/MD
 Sample : 02311-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 05:39:55 2023

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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	5.192	49	937638	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2288912	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2018033	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1578408	9.340	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	41011	0.223	ppbv	95
3) Chlorodifluoromethane	2.665	51	44143m	0.374	ppbv	
4) Chloromethane	2.803	50	31655	0.435	ppbv	99
9) Propene	2.697	41	27774m	0.615	ppbv	
11) Trichlorofluoromethane	3.555	101	33197	0.199	ppbv	96
13) Ethanol	3.234	45	317344	95.793	ppbv	97
15) Acetone	3.462	43	478082	4.188	ppbv	100
19) Isopropyl Alcohol	3.575	45	100435	1.837	ppbv #	94
20) Methylene Chloride	3.928	84	900677	18.755	ppbv	96
26) Hexane	5.214	57	327139	3.729	ppbv #	36
30) Cyclohexane	6.610	84	8358m	0.121	ppbv	
34) 2-Butanone	4.796	43	43844m	0.388	ppbv	
35) Carbon Tetrachloride	6.494	117	9729m	0.068	ppbv	
36) Benzene	6.369	78	28372m	0.163	ppbv	
44) 2,2,4-Trimethylpentane	7.336	57	49369	0.170	ppbv #	76
53) Toluene	9.233	91	51954	0.284	ppbv	99
59) m/p-Xylene	12.365	91	23521m	0.112	ppbv	

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

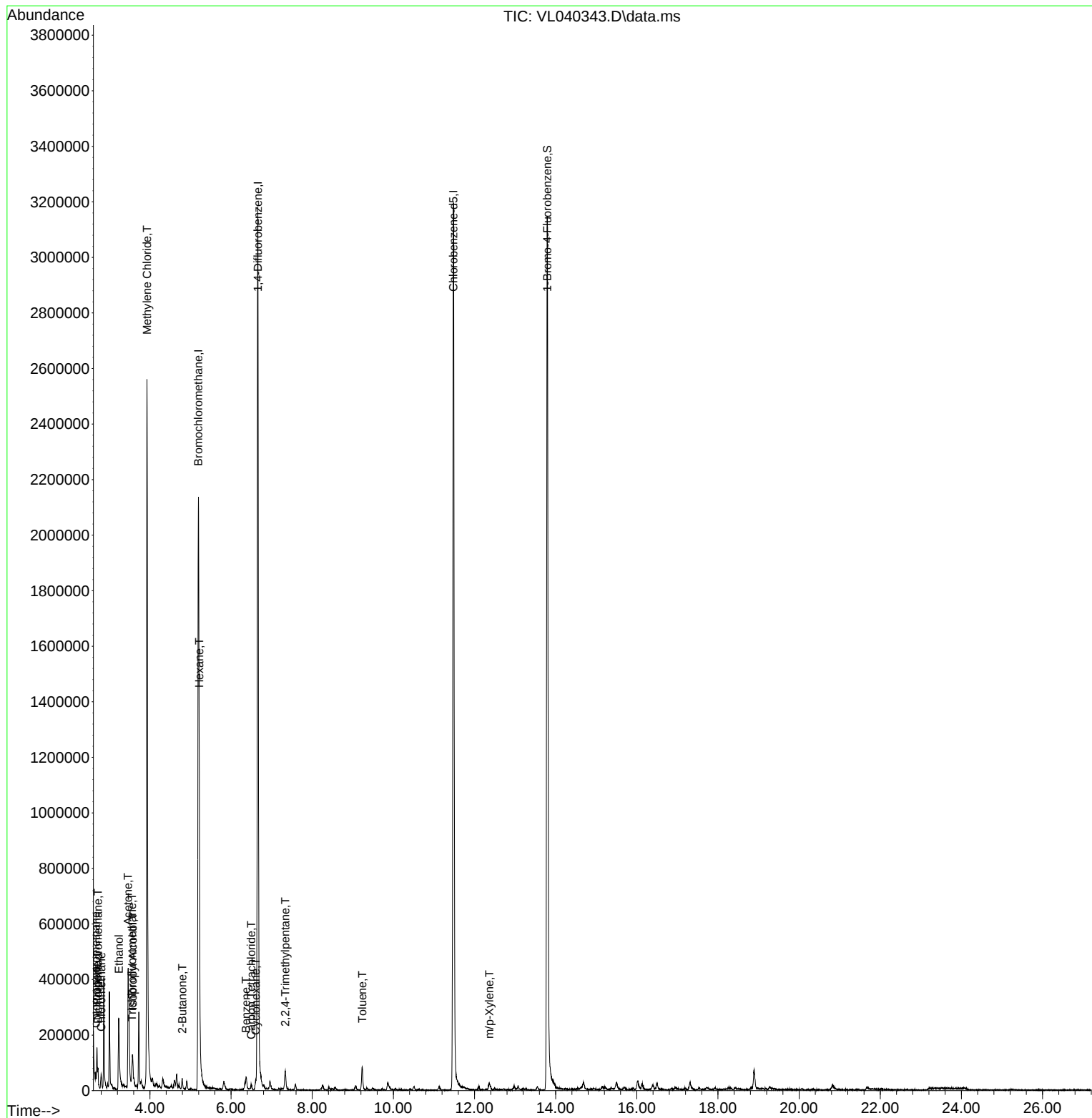
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
Data File : VL040343.D
Acq On : 12 Apr 2023 17:50
Operator : SY/MD
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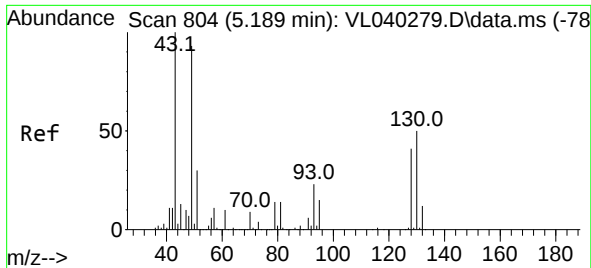
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Apr 13 05:39:55 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

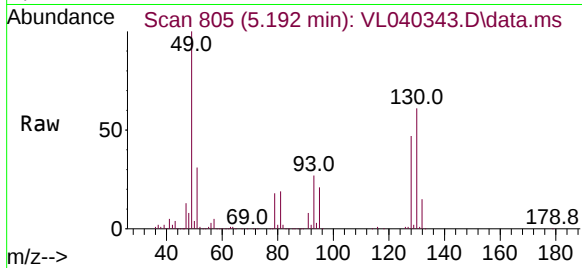
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.003 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

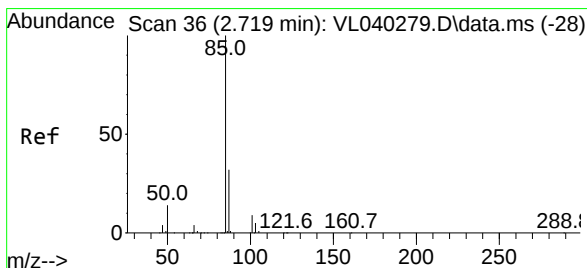
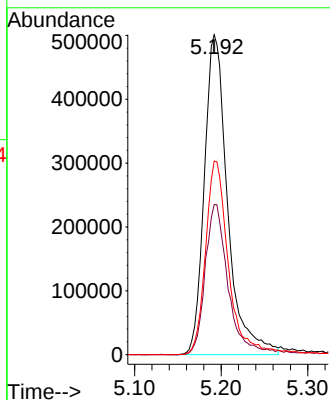
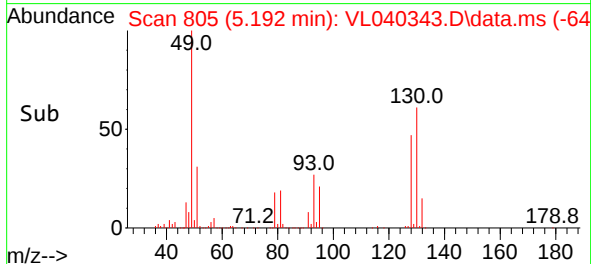
Instrument :
MSVOA_L
ClientSampleId :
OA1



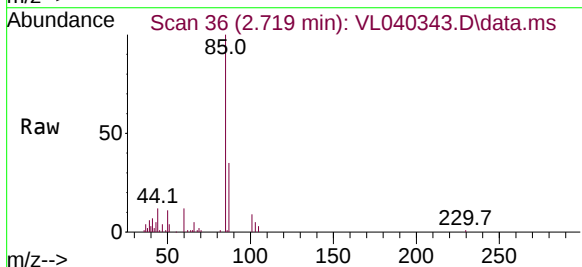
Tgt Ion: 49 Resp: 937638
Ion Ratio Lower Upper
49 100
128 47.6 22.4 67.3
130 61.0 28.7 86.1

Manual Integrations
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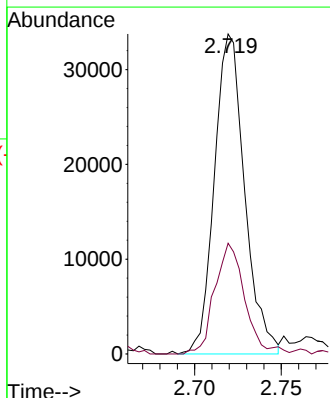
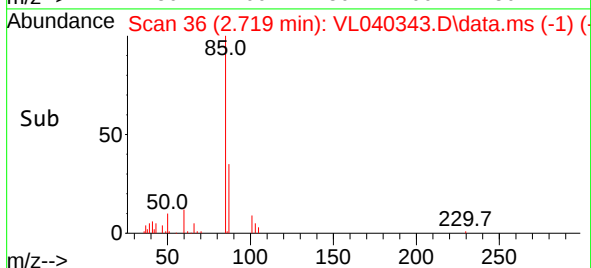
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

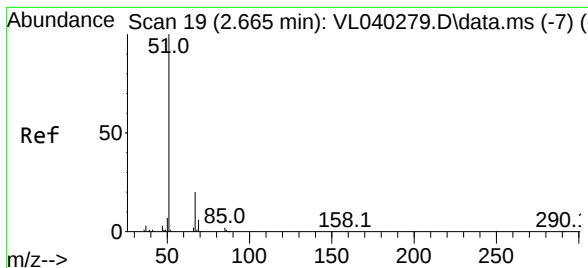


#2
Dichlorodifluoromethane
Concen: 0.223 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50



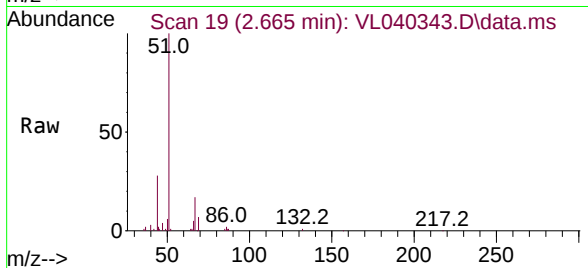
Tgt Ion: 85 Resp: 41011
Ion Ratio Lower Upper
85 100
87 34.6 25.5 38.3





#3
Chlorodifluoromethane
Concen: 0.374 ppbv m
RT: 2.665 min Scan# 19
Delta R.T. -0.000 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

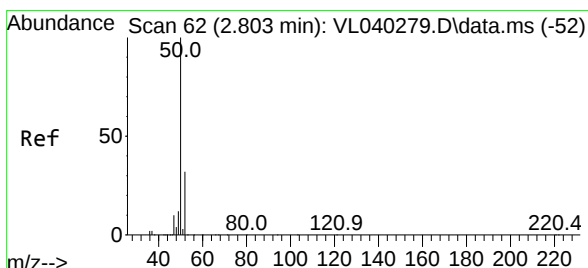
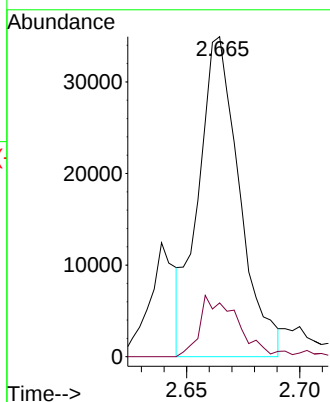
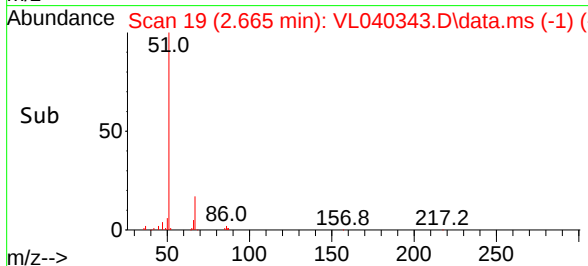
Instrument :
MSVOA_L
ClientSampleId :
OA1



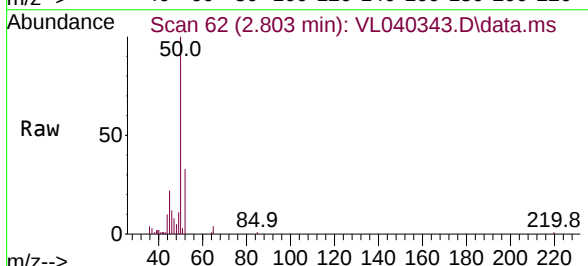
Tgt Ion: 51 Resp: 4414
Ion Ratio Lower Upper
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67 19.2 16.0 24.0

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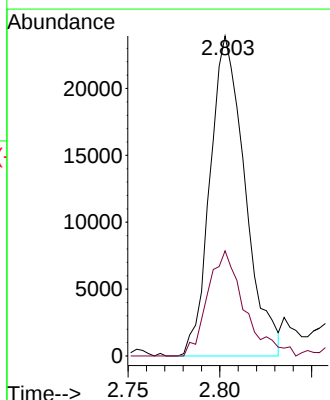
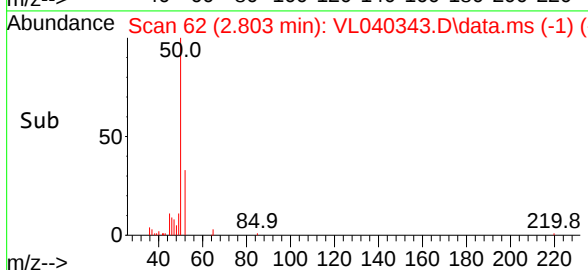
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

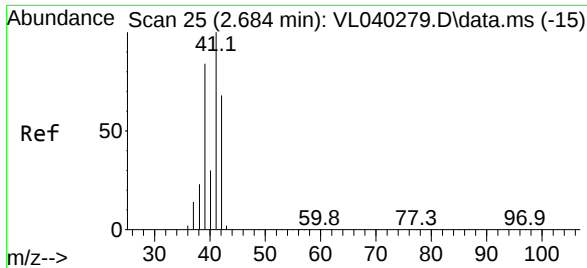


#4
Chloromethane
Concen: 0.435 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.000 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50



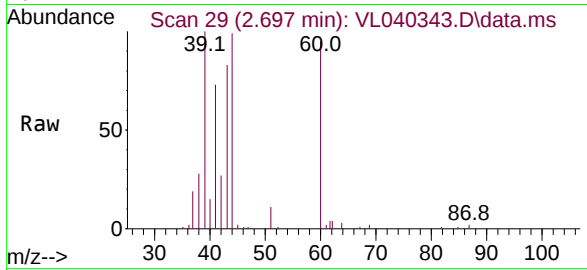
Tgt Ion: 50 Resp: 31655
Ion Ratio Lower Upper
50 100
52 32.8 25.9 38.9





#9
 Propene
 Concen: 0.615 ppbv m
 RT: 2.697 min Scan# 29
 Delta R.T. 0.013 min
 Lab File: VL040343.D
 Acq: 12 Apr 2023 17:50

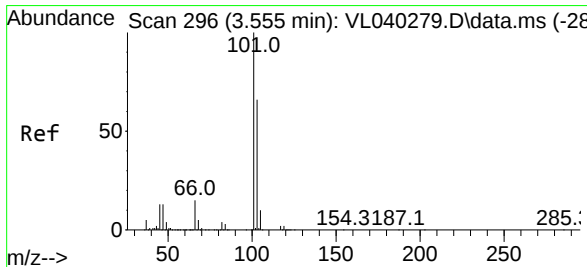
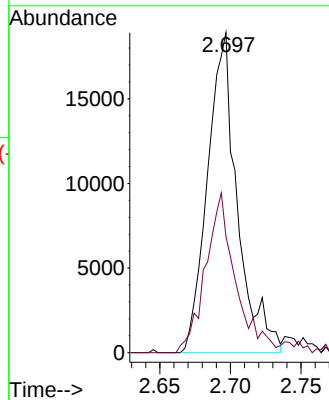
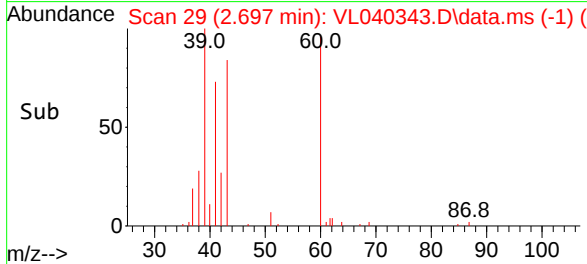
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 27774
 Ion Ratio Lower Upper
 41 100
 42 254.3 59.0 88.4

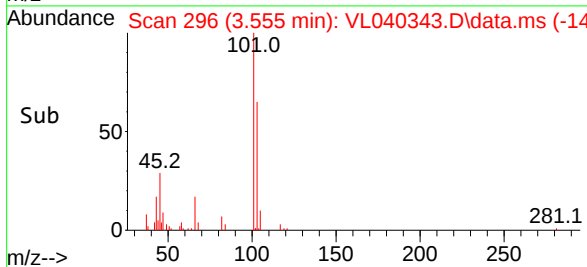
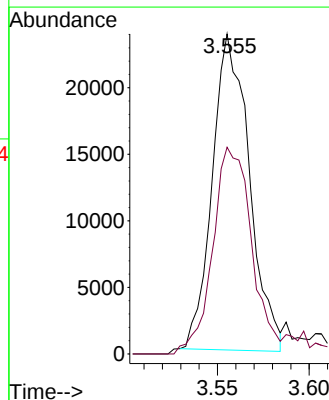
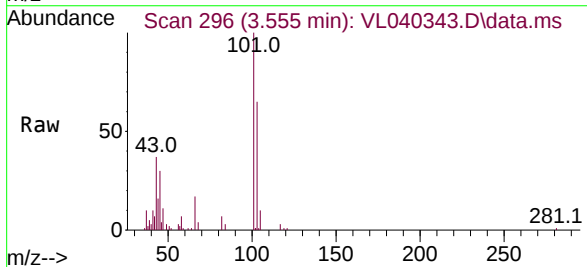
Manual Integrations
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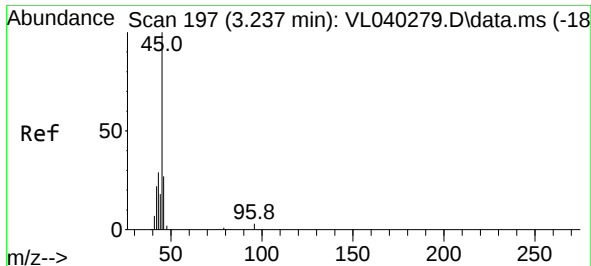
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#11
 Trichlorofluoromethane
 Concen: 0.199 ppbv
 RT: 3.555 min Scan# 296
 Delta R.T. 0.000 min
 Lab File: VL040343.D
 Acq: 12 Apr 2023 17:50

Tgt Ion:101 Resp: 33197
 Ion Ratio Lower Upper
 101 100
 103 63.1 53.1 79.7





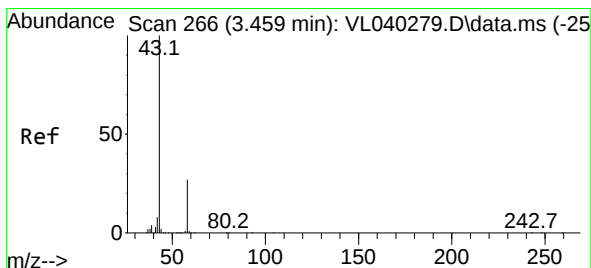
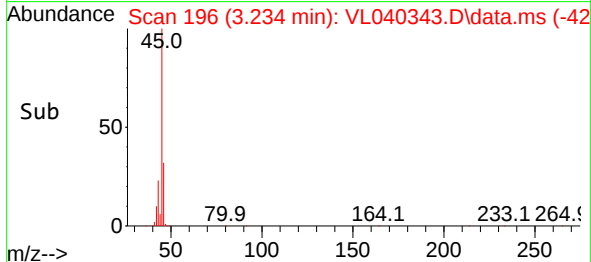
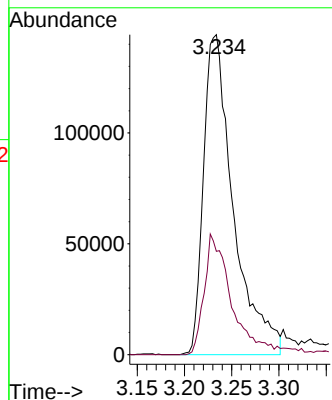
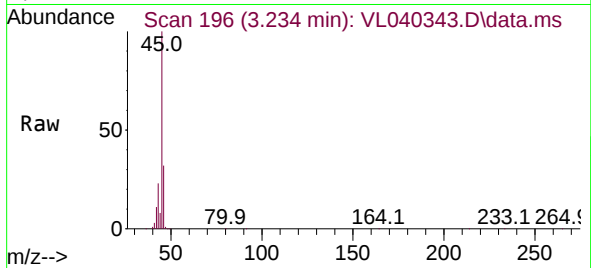
#13
Ethanol
Concen: 95.793 ppbv
RT: 3.234 min Scan# 197
Delta R.T. -0.003 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 45 Resp: 317344
Ion Ratio Lower Upper
45 100
46 35.6 15.0 60.2

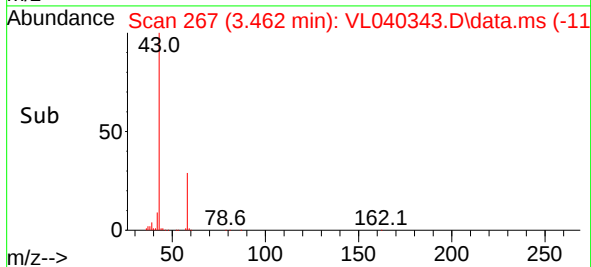
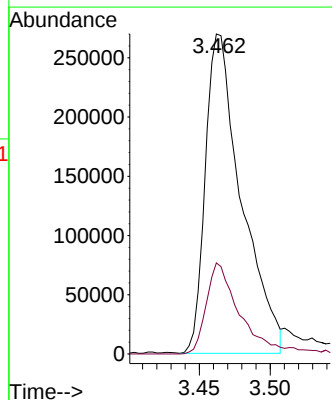
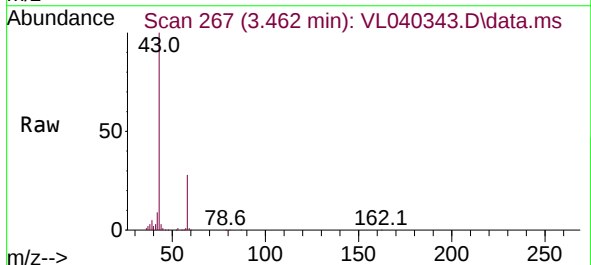
Manual Integrations
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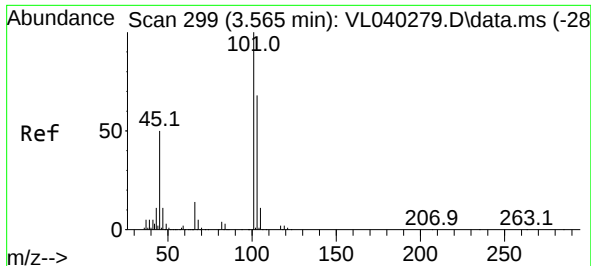
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#15
Acetone
Concen: 4.188 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.003 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

Tgt Ion: 43 Resp: 478082
Ion Ratio Lower Upper
43 100
58 27.3 21.8 32.8





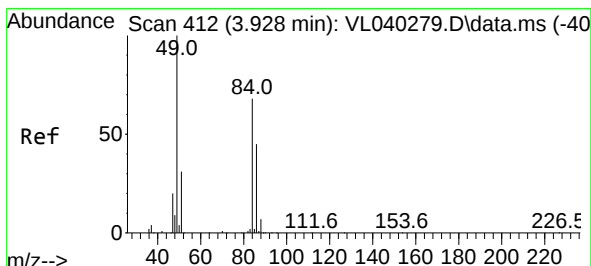
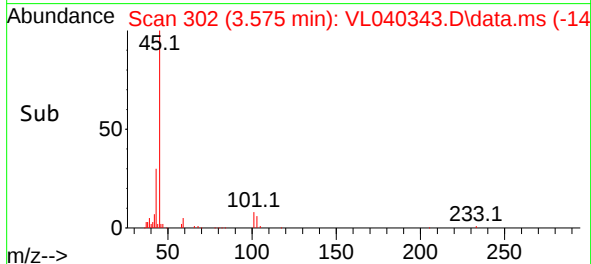
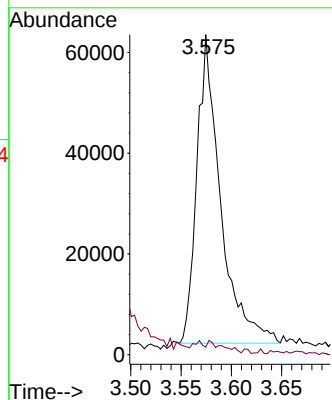
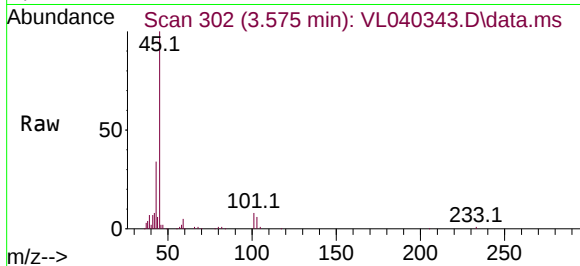
#19
Isopropyl Alcohol
Concen: 1.837 ppbv
RT: 3.575 min Scan# 302
Delta R.T. 0.010 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 100435
Ion Ratio Lower Upper
45 100
58 5.4 2.7 4.1

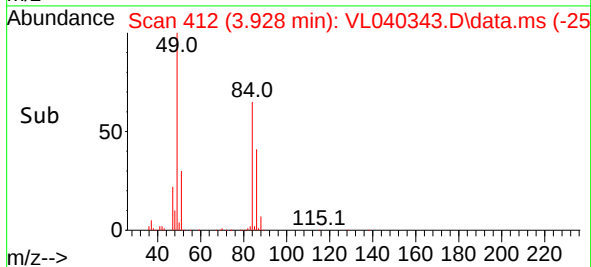
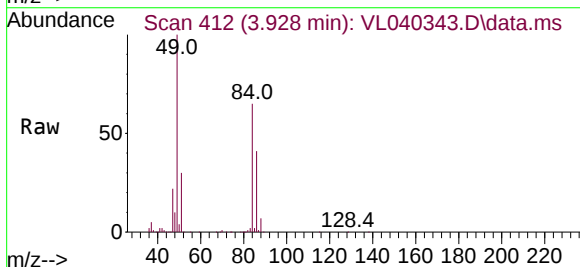
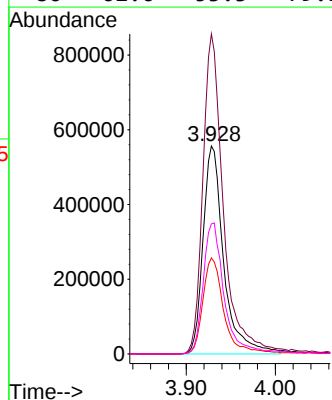
Manual Integrations
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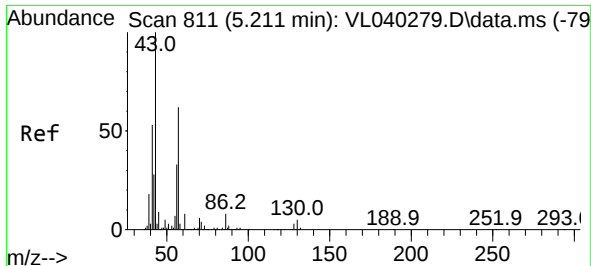
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#20
Methylene Chloride
Concen: 18.755 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

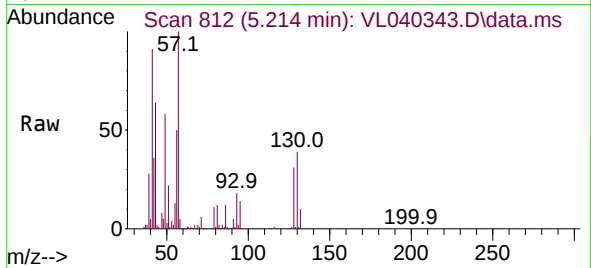
Tgt Ion: 84 Resp: 900677
Ion Ratio Lower Upper
84 100
49 153.8 117.5 176.3
51 46.1 36.9 55.3
86 62.6 53.3 79.9





#26
Hexane
Concen: 3.729 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

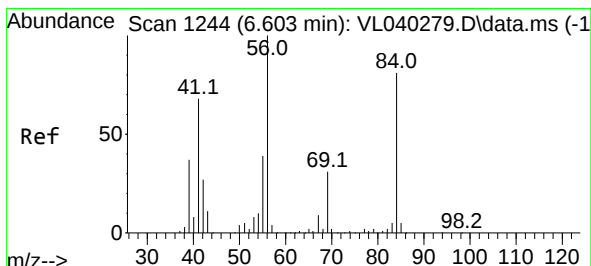
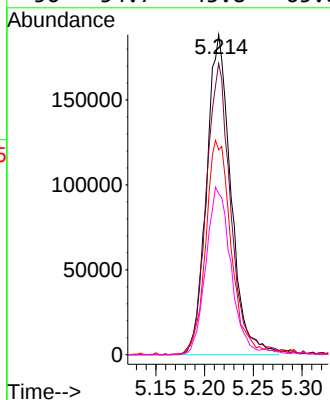
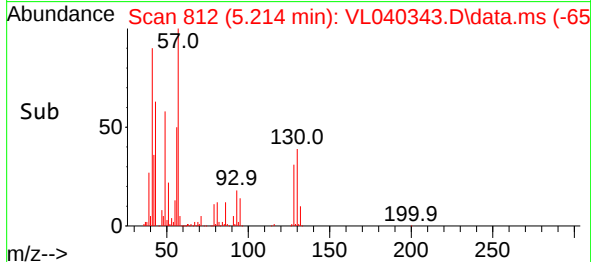
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 327139
Ion Ratio Lower Upper
57 100
41 93.7 73.5 110.3
43 71.5 196.3 294.5
56 54.7 43.8 65.8

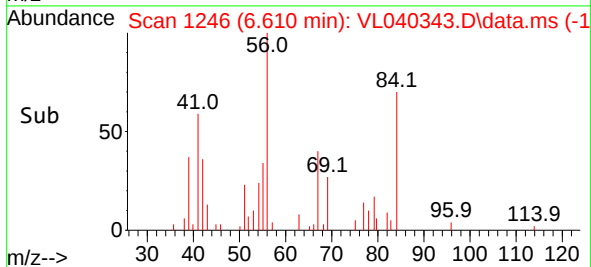
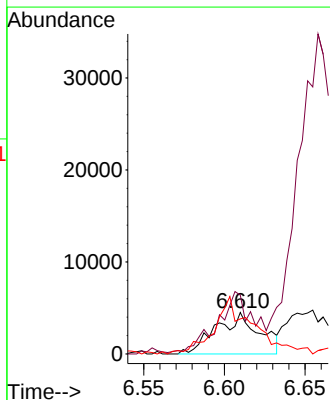
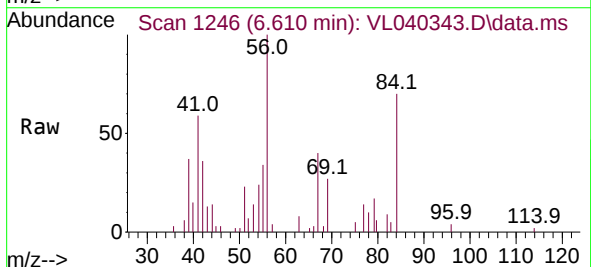
Manual Integrations
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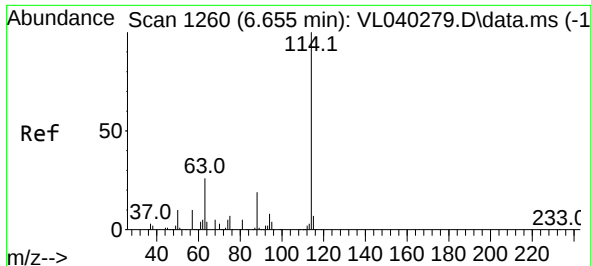
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#30
Cyclohexane
Concen: 0.121 ppbv m
RT: 6.610 min Scan# 1246
Delta R.T. 0.007 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

Tgt Ion: 84 Resp: 8358
Ion Ratio Lower Upper
84 100
56 132.2 109.0 163.4
41 125.8 67.9 101.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040343.D

Acq: 12 Apr 2023 17:50

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 228891

Ion Ratio Lower Upper

114 100

63 26.1 21.2 31.8

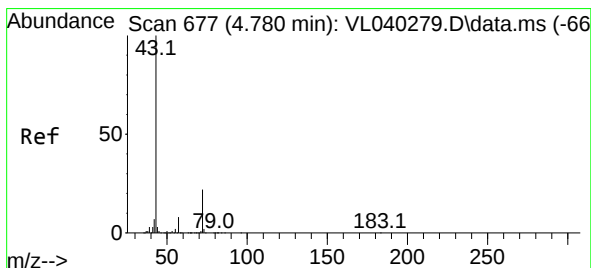
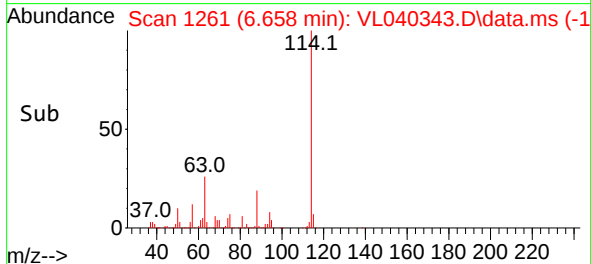
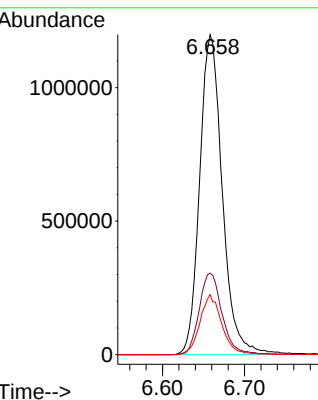
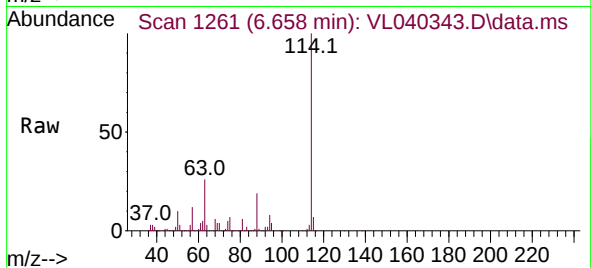
88 18.3 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#34

2-Butanone

Concen: 0.388 ppbv m

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL040343.D

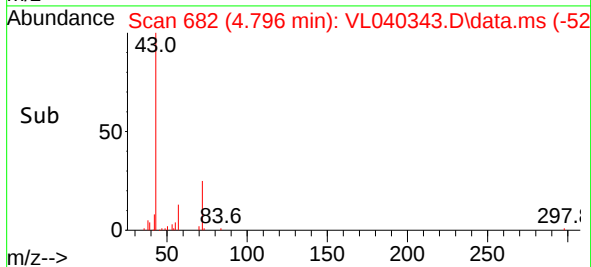
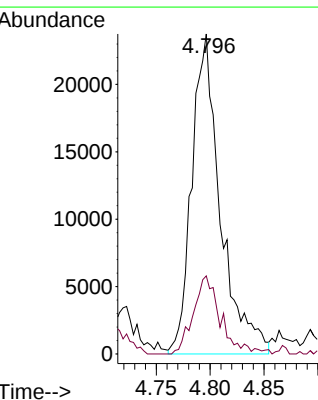
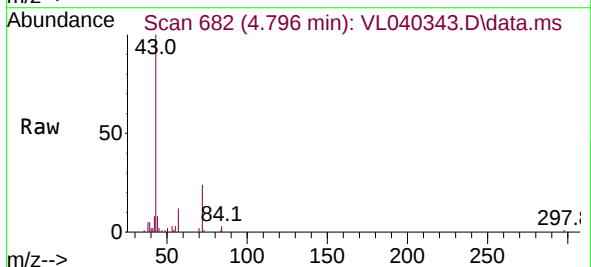
Acq: 12 Apr 2023 17:50

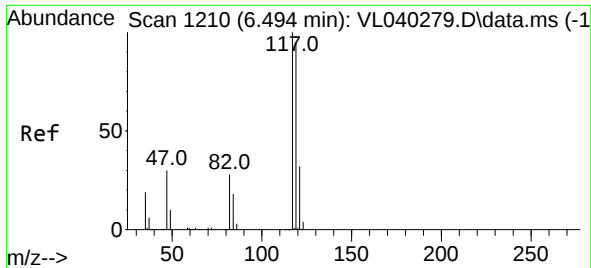
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Ion Ratio Lower Upper

43 100

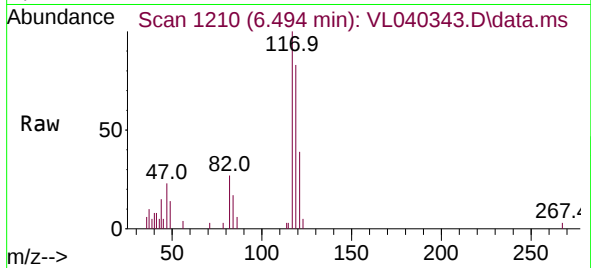
72 24.0 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 6.494 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

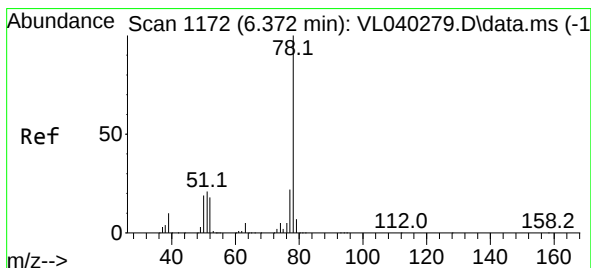
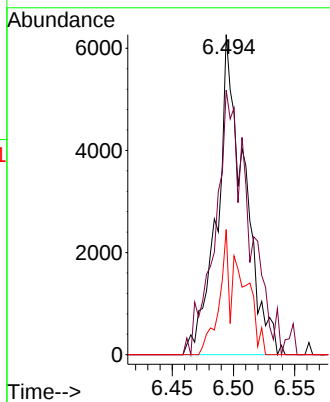
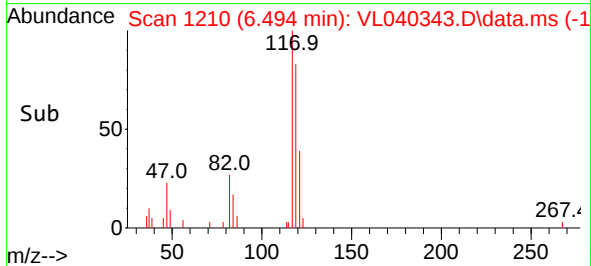
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 9729
Ion Ratio Lower Upper
117 100
119 82.7 76.4 114.6
121 39.1 25.6 38.4

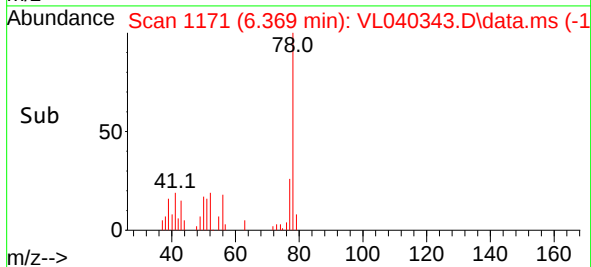
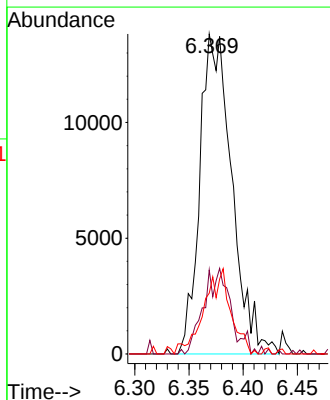
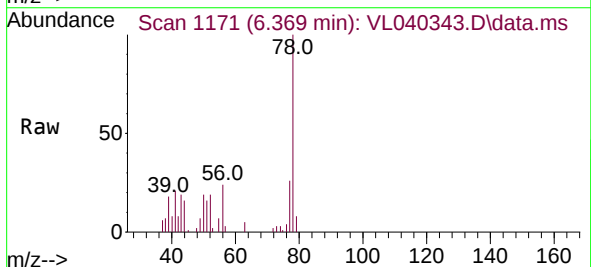
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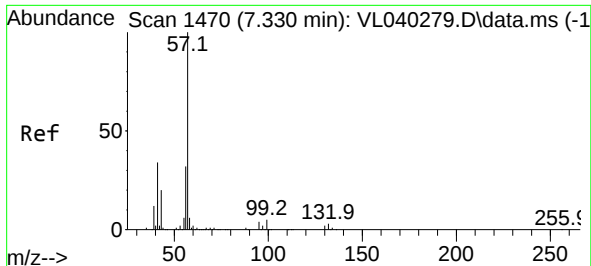
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#36
Benzene
Concen: 0.163 ppbv m
RT: 6.369 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

Tgt Ion: 78 Resp: 28372
Ion Ratio Lower Upper
78 100
77 26.2 17.8 26.8
50 19.0 15.4 23.2





#44

2,2,4-Trimethylpentane

Concen: 0.170 ppbv

RT: 7.336 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VL040343.D

Acq: 12 Apr 2023 17:50

Instrument :

MSVOA_L

ClientSampleId :

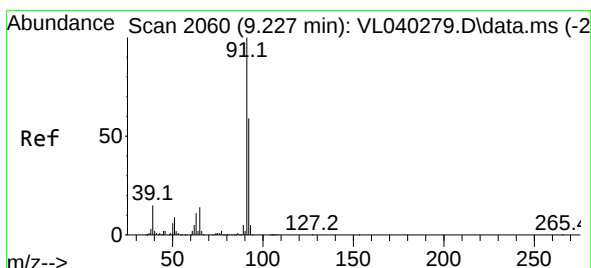
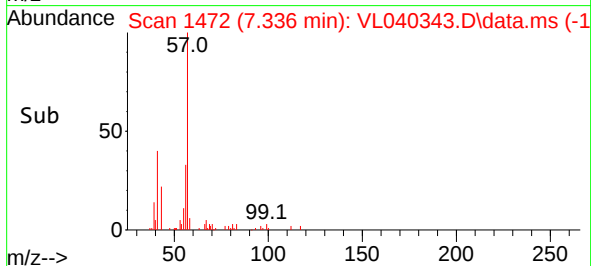
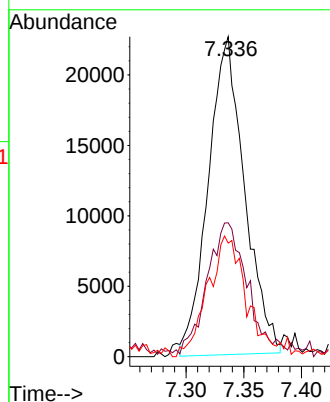
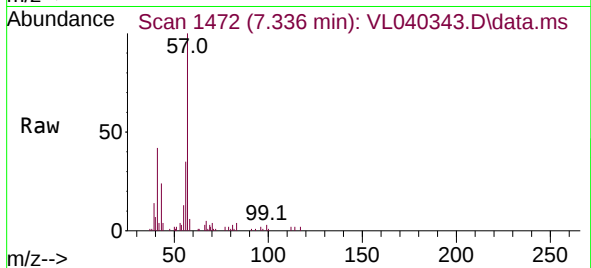
OA1

Tgt Ion: 57	Resp: 4936
Ion Ratio	Lower Upper
57 100	
41 50.5	26.8 40.2
56 41.6	25.0 37.6

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Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#53

Toluene

Concen: 0.284 ppbv

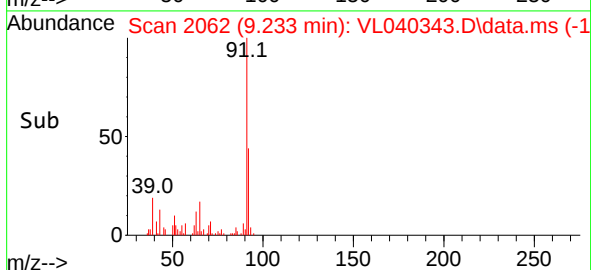
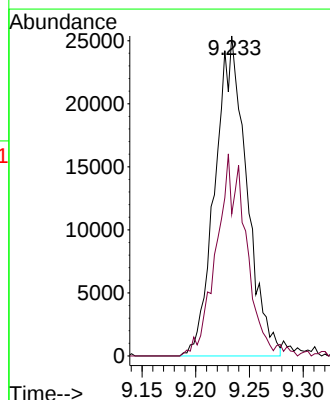
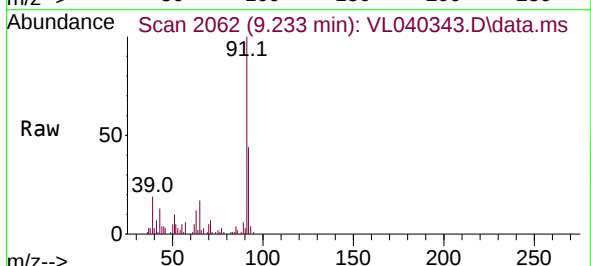
RT: 9.233 min Scan# 2062

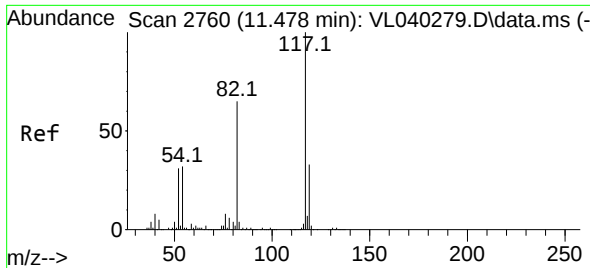
Delta R.T. 0.006 min

Lab File: VL040343.D

Acq: 12 Apr 2023 17:50

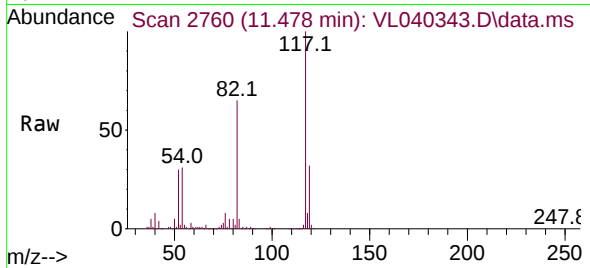
Tgt Ion: 91	Resp: 51954
Ion Ratio	Lower Upper
91 100	
92 60.8	48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

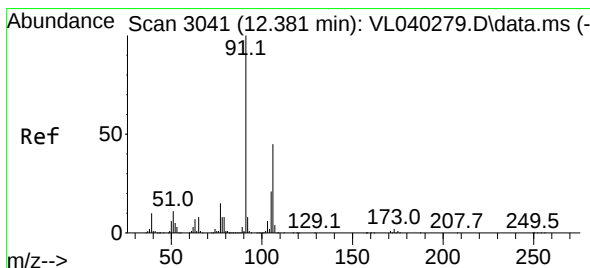
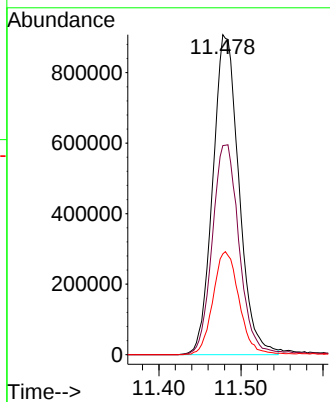
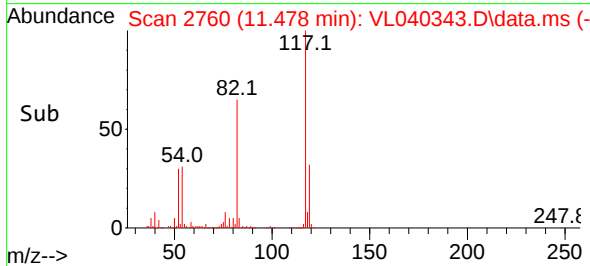
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:117 Resp: 201803
Ion Ratio Lower Upper
117 100
82 68.1 51.4 77.2
119 32.1 24.0 36.0

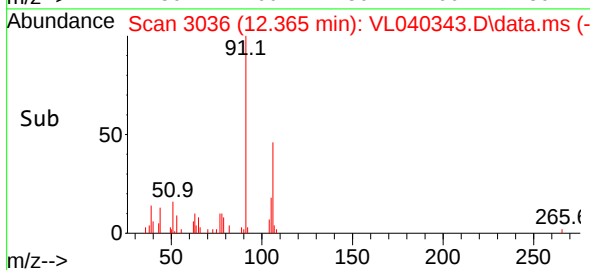
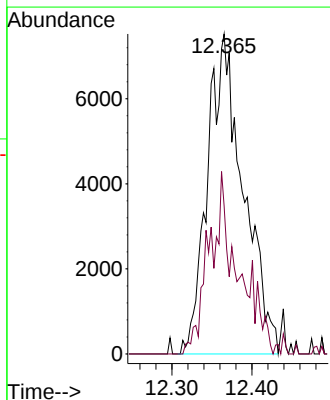
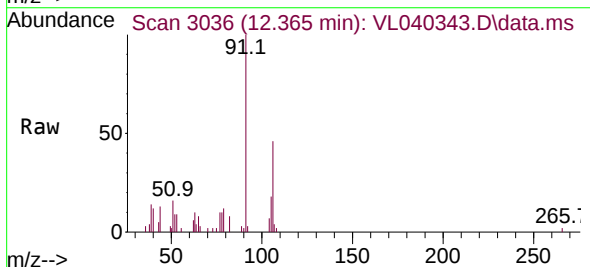
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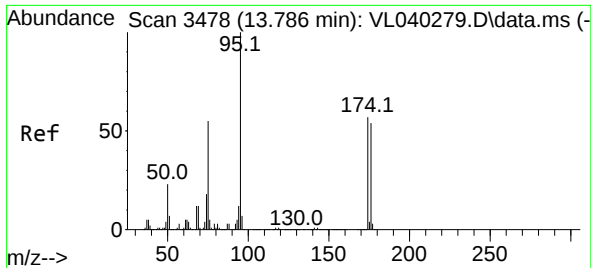
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#59
m/p-Xylene
Concen: 0.112 ppbv m
RT: 12.365 min Scan# 3036
Delta R.T. -0.016 min
Lab File: VL040343.D
Acq: 12 Apr 2023 17:50

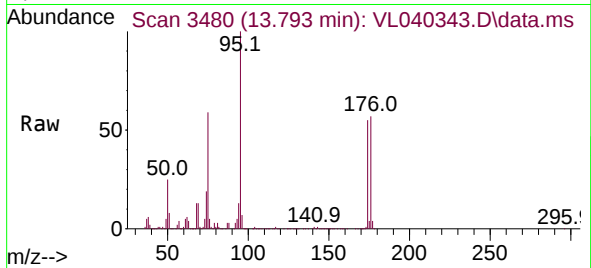
Tgt Ion: 91 Resp: 23521
Ion Ratio Lower Upper
91 100
106 0.0 34.0 51.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.340 ppbv
 RT: 13.793 min Scan# 3478
 Delta R.T. 0.007 min
 Lab File: VL040343.D
 Acq: 12 Apr 2023 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 95 Resp: 1578408
 Ion Ratio Lower Upper
 95 100
 174 59.7 47.0 70.6
 175 4.2 3.4 5.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

