

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040342.D
 Acq On : 12 Apr 2023 17:09
 Operator : SY/MD
 Sample : 02311-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

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

Quant Time: Apr 13 05:39:30 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	922522	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2320343	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2096396	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1663983	9.478	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	36069	0.199	ppbv	100
3) Chlorodifluoromethane	2.668	51	34326m	0.296	ppbv	
4) Chloromethane	2.806	50	35927	0.502	ppbv	93
9) Propene	2.693	41	84404m	1.899	ppbv	
11) Trichlorofluoromethane	3.558	101	34502	0.210	ppbv	84
13) Ethanol	3.230	45	568844	174.524	ppbv	97
15) Acetone	3.462	43	766488	6.825	ppbv	99
19) Isopropyl Alcohol	3.568	45	125096	2.325	ppbv #	1
20) Methylene Chloride	3.931	84	267635	5.664	ppbv	96
25) Ethyl Acetate	5.214	43	123434	0.587	ppbv #	89
26) Hexane	5.211	57	123761	1.434	ppbv #	46
34) 2-Butanone	4.793	43	47395	0.414	ppbv	94
35) Carbon Tetrachloride	6.497	117	10595m	0.073	ppbv	
36) Benzene	6.378	78	32091m	0.181	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	39614m	0.134	ppbv	
53) Toluene	9.230	91	65655m	0.354	ppbv	
59) m/p-Xylene	12.368	91	28500m	0.130	ppbv	

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

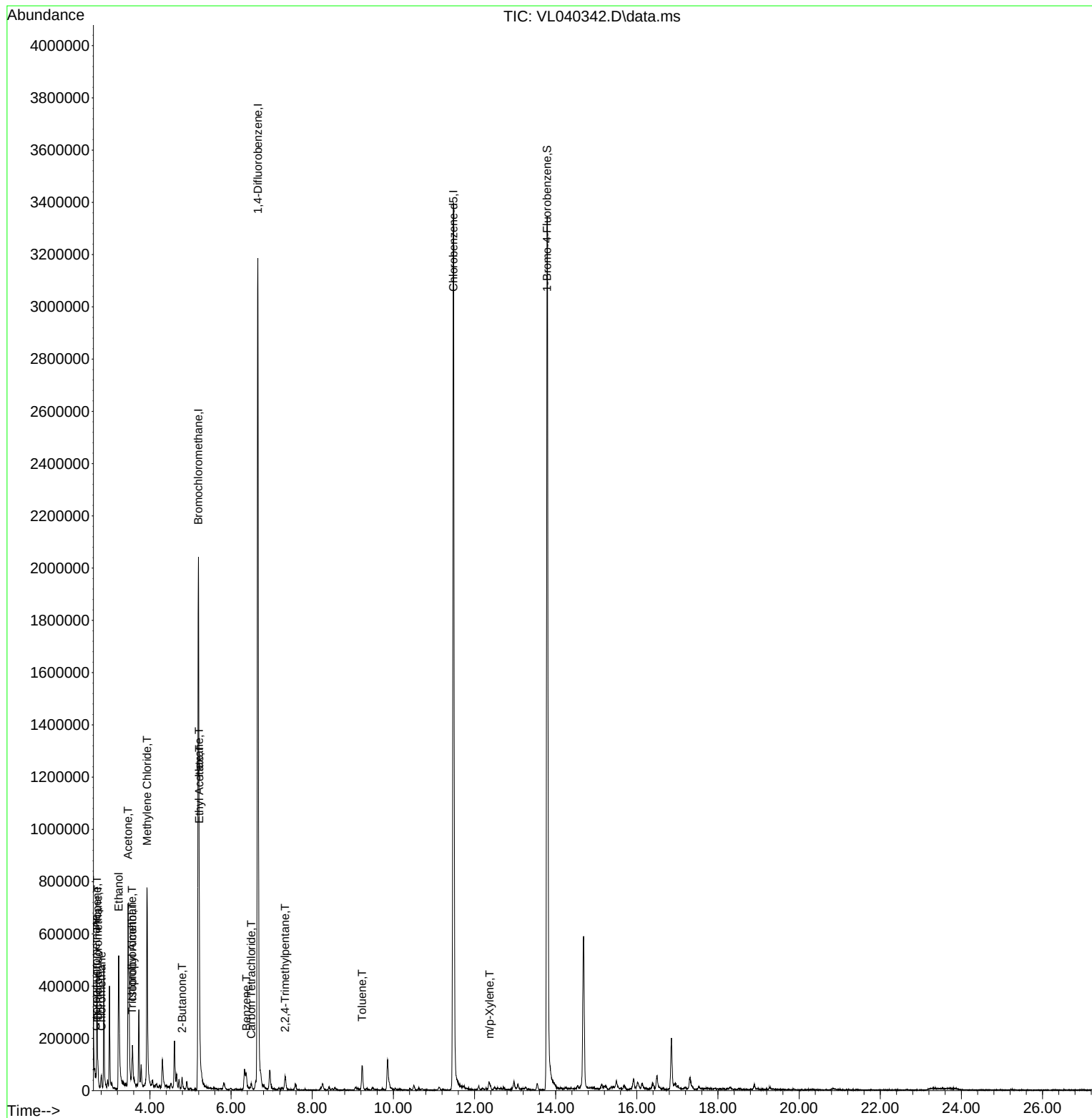
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
Data File : VL040342.D
Acq On : 12 Apr 2023 17:09
Operator : SY/MD
Sample : 02311-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

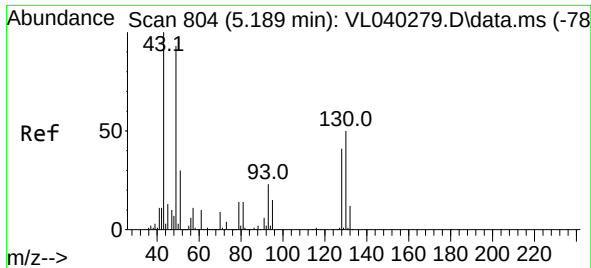
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Apr 13 05:39:30 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

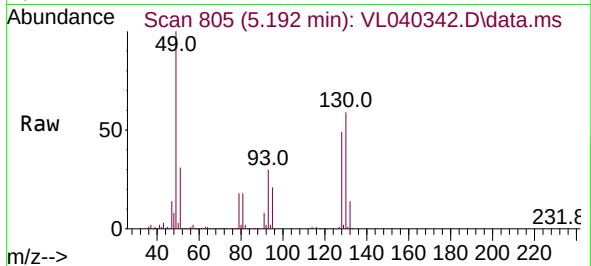
Reviewed By : Semsettin Yesilyurt 04/13/2023
Supervised By : Mahesh Dadoda 04/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

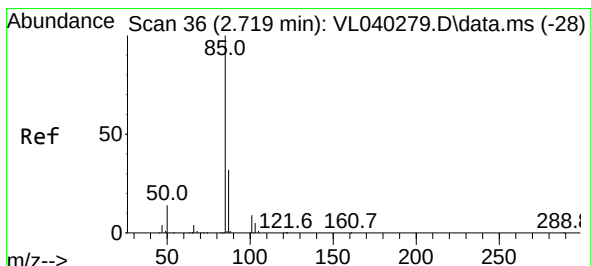
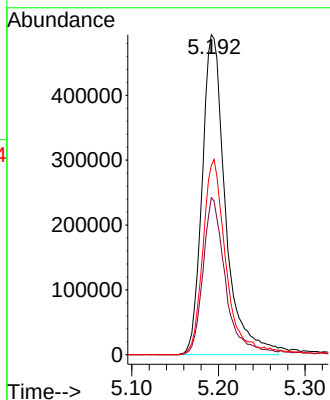
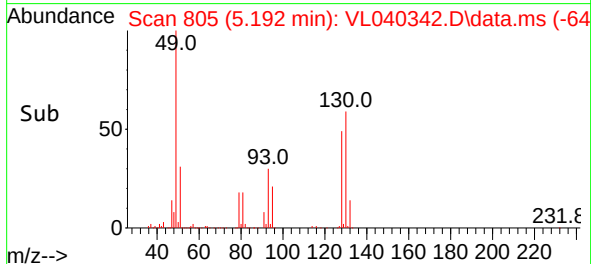
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



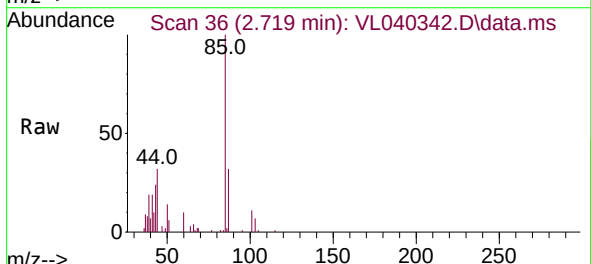
Tgt Ion: 49 Resp: 92252
Ion Ratio Lower Upper
49 100
128 48.6 22.4 67.3
130 62.6 28.7 86.1

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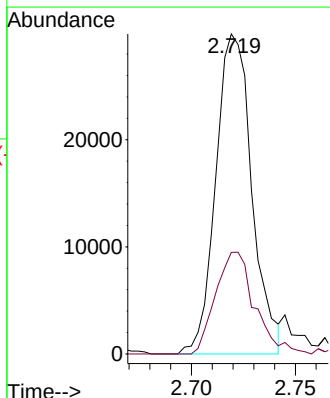
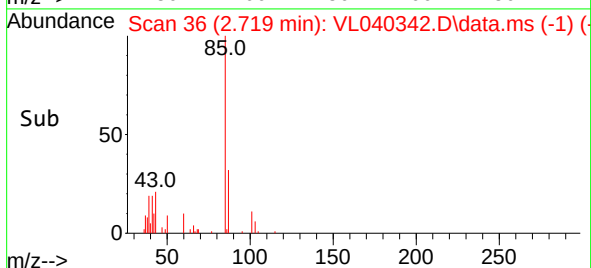
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

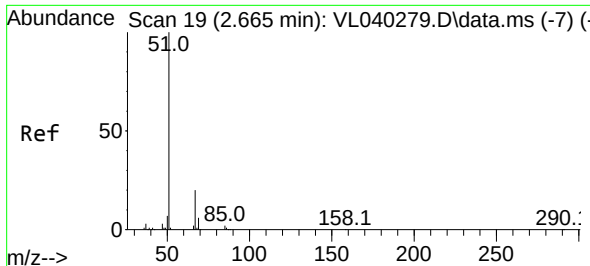


#2
Dichlorodifluoromethane
Concen: 0.199 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09



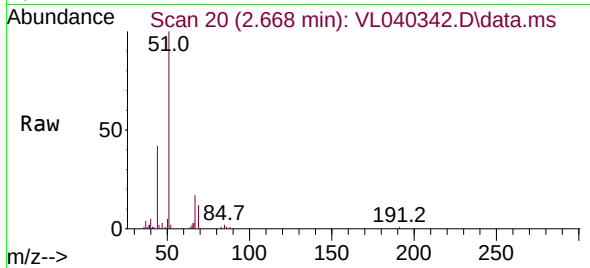
Tgt Ion: 85 Resp: 36069
Ion Ratio Lower Upper
85 100
87 31.8 25.5 38.3





#3
Chlorodifluoromethane
Concen: 0.296 ppbv m
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

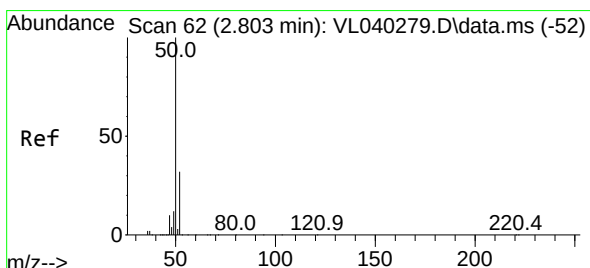
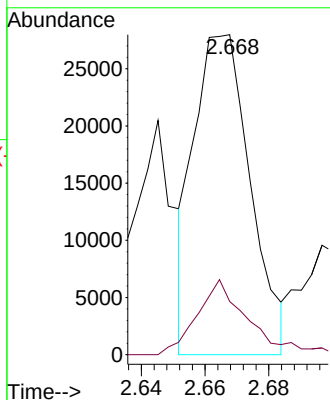
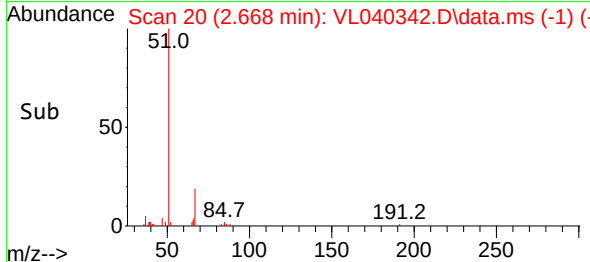
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



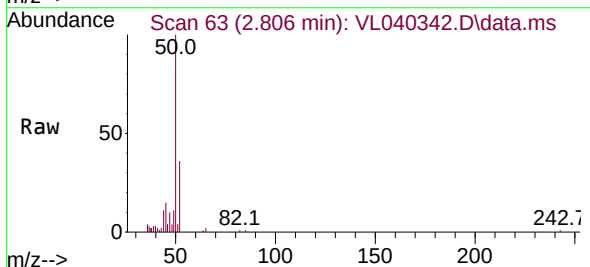
Tgt Ion: 51 Resp: 34320
Ion Ratio Lower Upper
51 100
67 22.4 16.0 24.0

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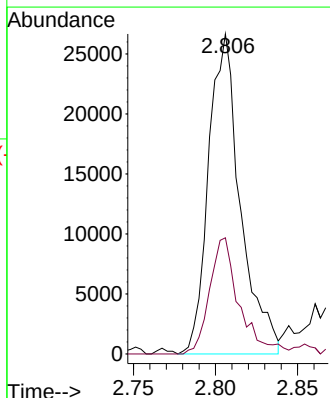
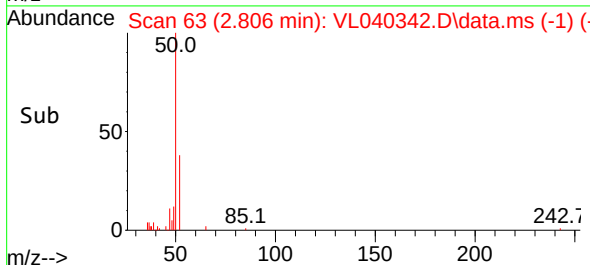
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

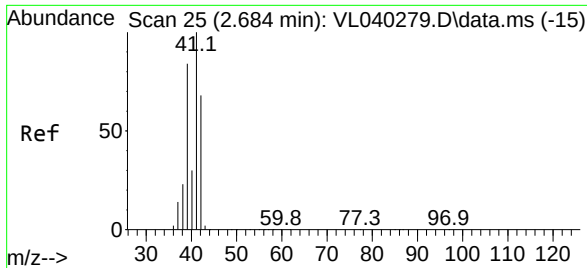


#4
Chloromethane
Concen: 0.502 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09



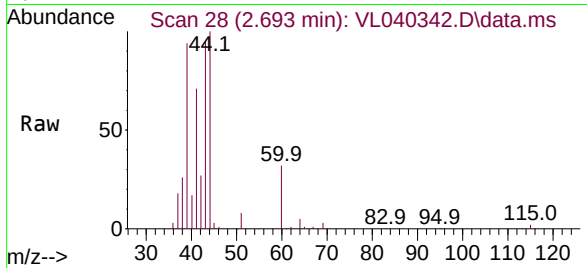
Tgt Ion: 50 Resp: 35927
Ion Ratio Lower Upper
50 100
52 36.3 25.9 38.9





#9
 Propene
 Concen: 1.899 ppbv m
 RT: 2.693 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: VL040342.D
 Acq: 12 Apr 2023 17:09

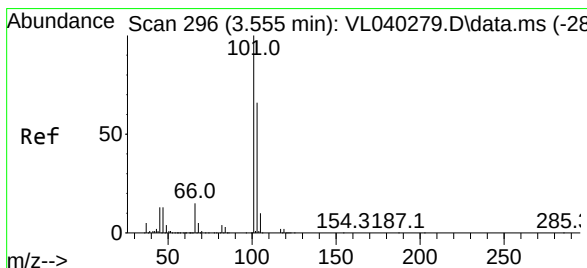
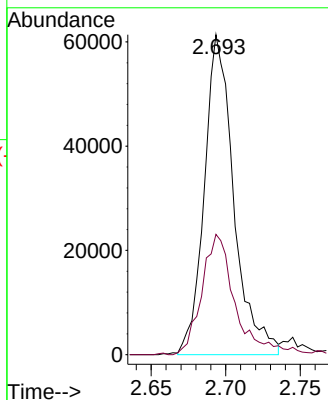
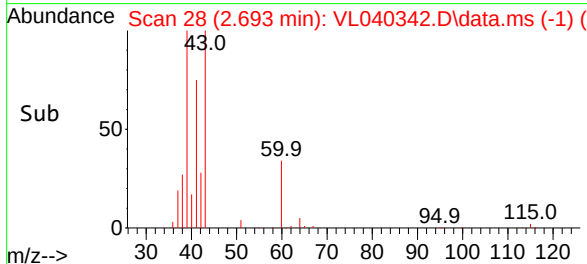
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



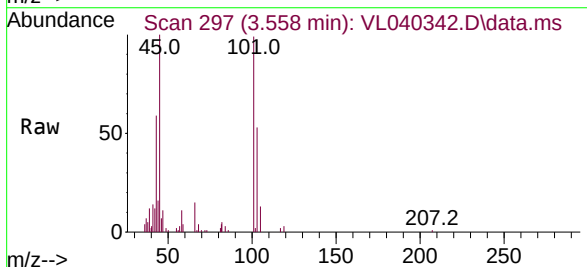
Tgt Ion: 41 Resp: 84404
 Ion Ratio Lower Upper
 41 100
 42 101.1 59.0 88.4

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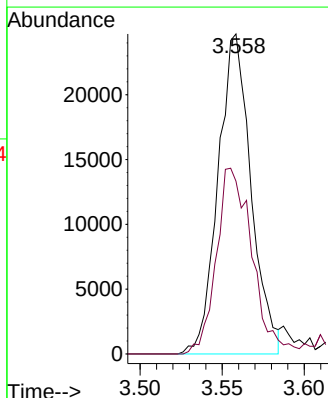
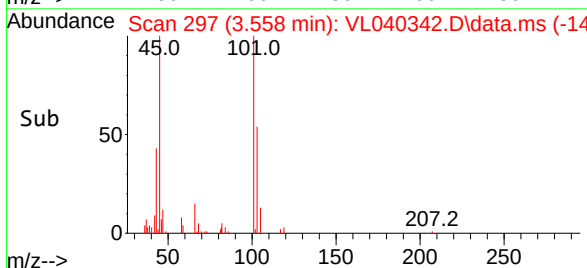
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

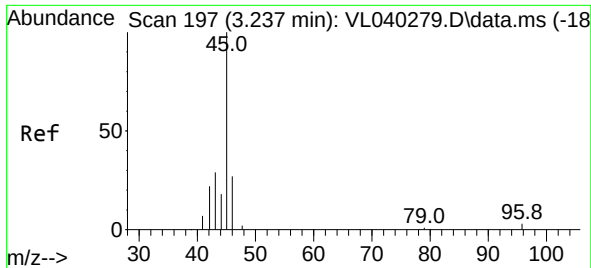


#11
 Trichlorofluoromethane
 Concen: 0.210 ppbv
 RT: 3.558 min Scan# 297
 Delta R.T. 0.003 min
 Lab File: VL040342.D
 Acq: 12 Apr 2023 17:09



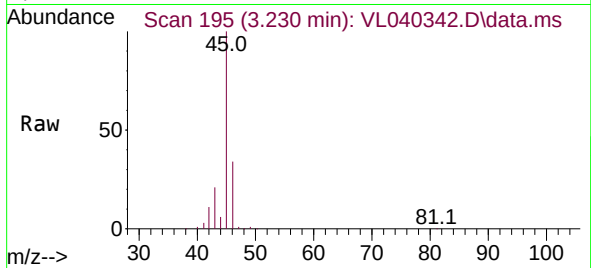
Tgt Ion:101 Resp: 34502
 Ion Ratio Lower Upper
 101 100
 103 54.0 53.1 79.7





#13
Ethanol
Concen: 174.524 ppbv
RT: 3.230 min Scan# 197
Delta R.T. -0.007 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

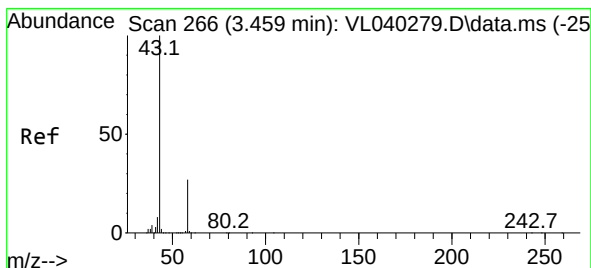
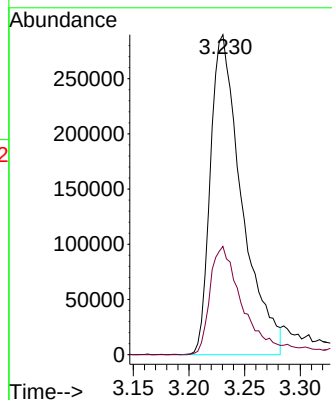
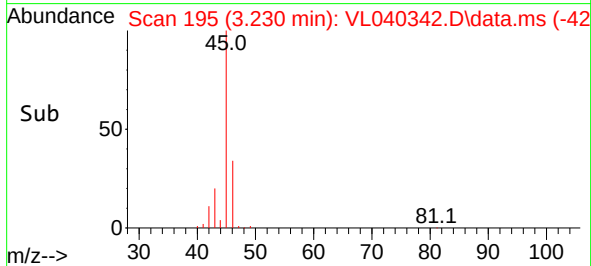
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 45 Resp: 56884
Ion Ratio Lower Upper
45 100
46 39.2 15.0 60.2

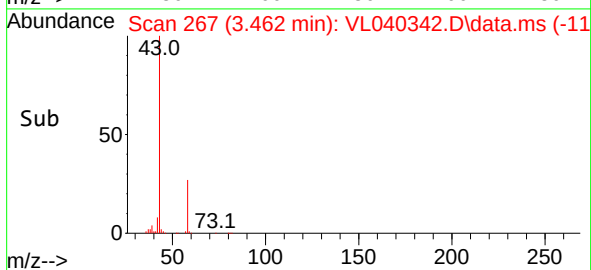
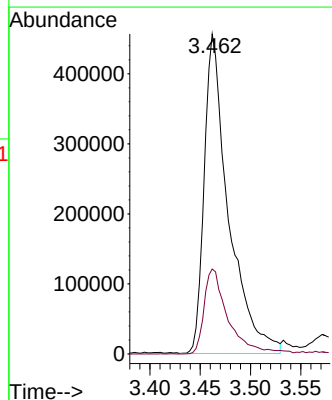
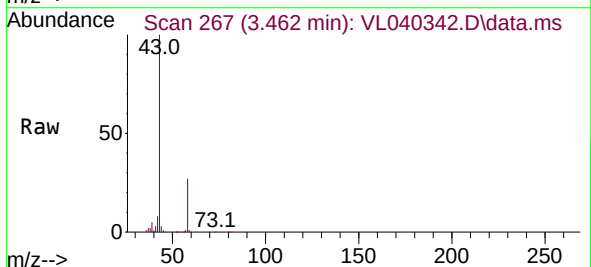
Manual Integrations
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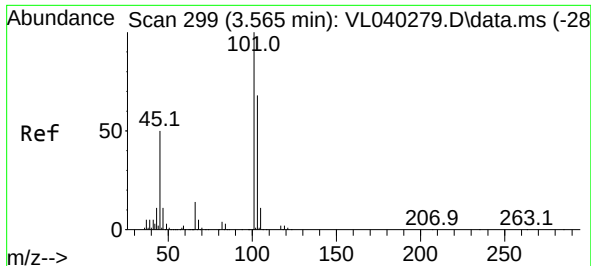
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#15
Acetone
Concen: 6.825 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.003 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

Tgt Ion: 43 Resp: 766488
Ion Ratio Lower Upper
43 100
58 27.6 21.8 32.8





#19

Isopropyl Alcohol

Concen: 2.325 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL040342.D

Acq: 12 Apr 2023 17:09

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 45 Resp: 125090

Ion Ratio Lower Upper

45 100

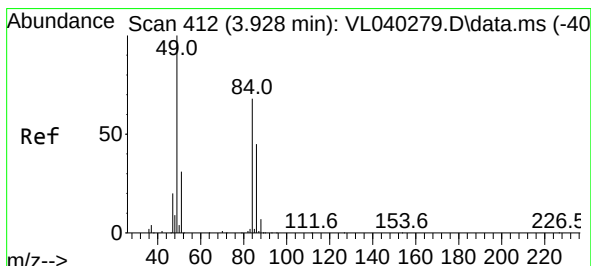
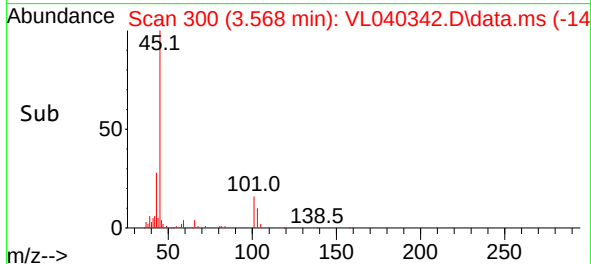
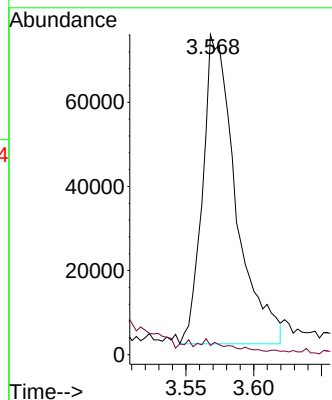
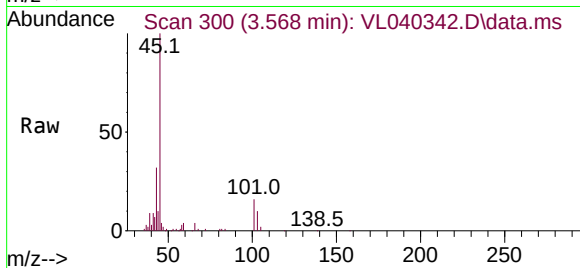
58 169.0 2.7 4.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#20

Methylene Chloride

Concen: 5.664 ppbv

RT: 3.931 min Scan# 413

Delta R.T. 0.003 min

Lab File: VL040342.D

Acq: 12 Apr 2023 17:09

Tgt Ion: 84 Resp: 267635

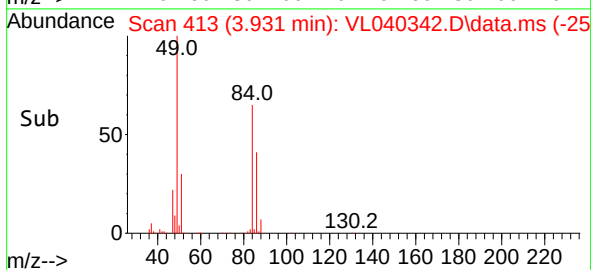
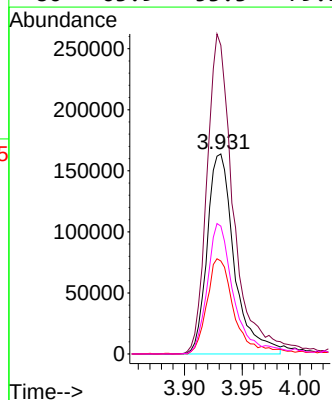
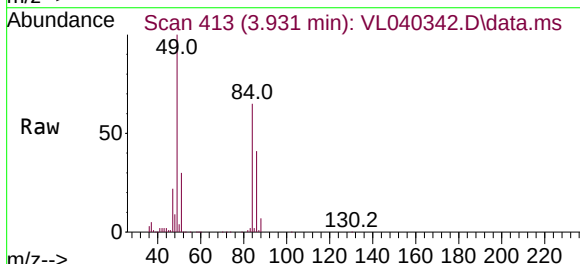
Ion Ratio Lower Upper

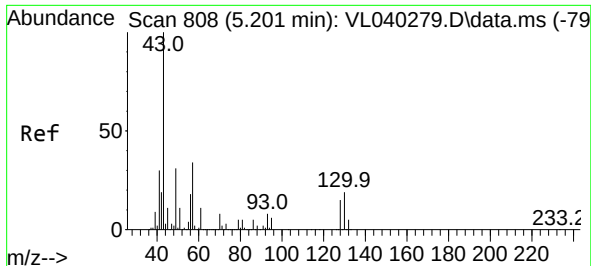
84 100

49 154.1 117.5 176.3

51 46.5 36.9 55.3

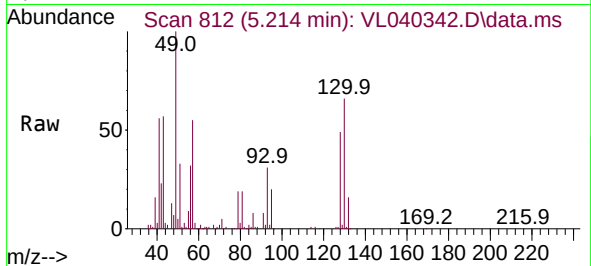
86 63.9 53.3 79.9





#25
Ethyl Acetate
Concen: 0.587 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.013 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

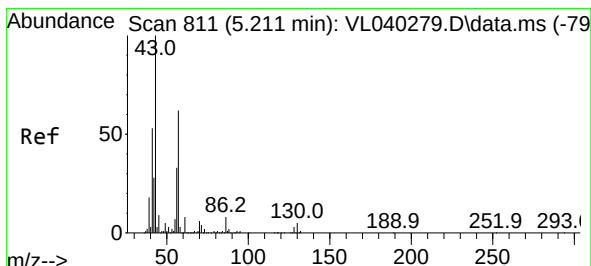
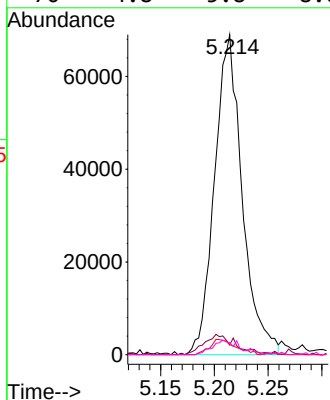
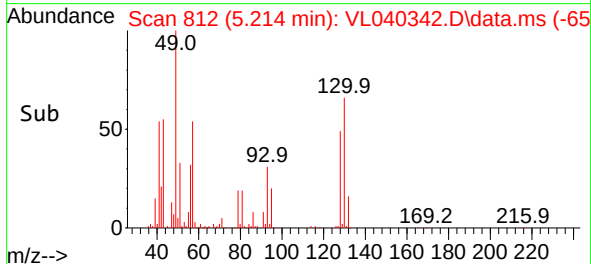
Instrument :
MSVOA_L
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Tgt Ion:	43	Resp:	123434
Ion Ratio	100	Lower	Upper
43	100		
45	7.4	8.6	12.8
61	4.5	8.4	12.6
70	4.8	5.8	8.6

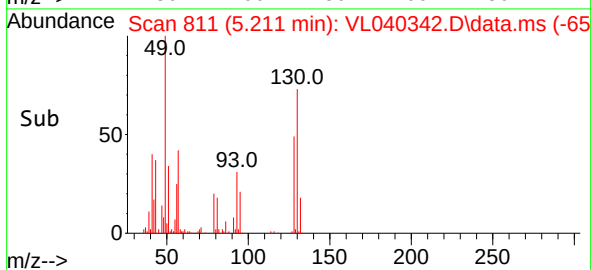
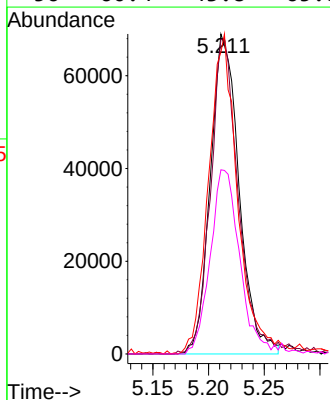
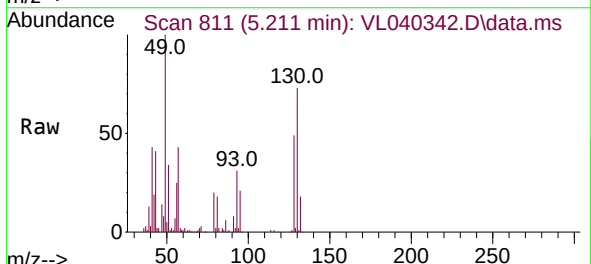
Manual Integrations
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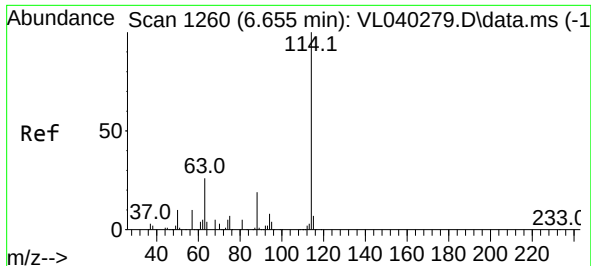
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#26
Hexane
Concen: 1.434 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

Tgt Ion:	57	Resp:	123761
Ion Ratio	100	Lower	Upper
57	100		
41	98.2	73.5	110.3
43	104.0	196.3	294.5
56	60.4	43.8	65.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040342.D

Acq: 12 Apr 2023 17:09

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 114 Resp: 232034

Ion Ratio Lower Upper

114 100

63 25.7 21.2 31.8

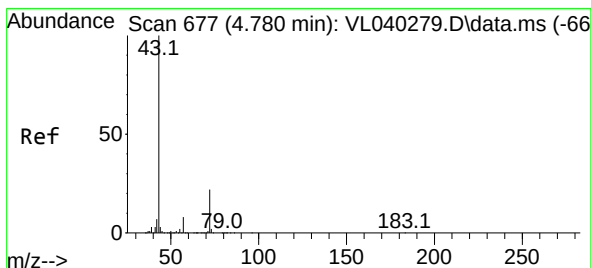
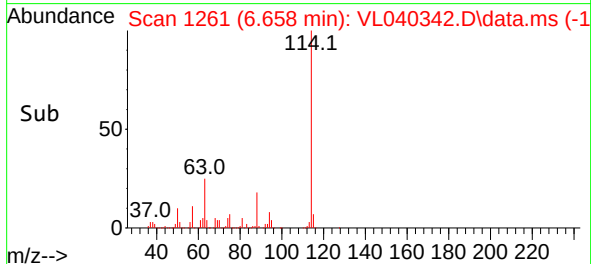
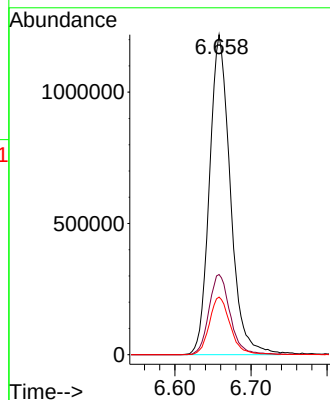
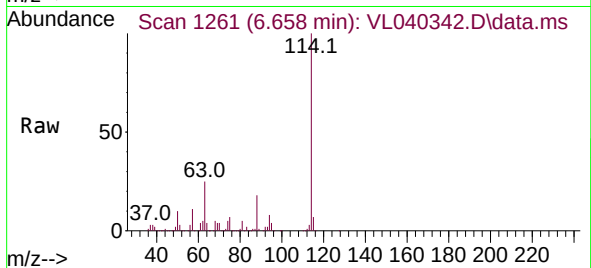
88 18.3 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#34

2-Butanone

Concen: 0.414 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL040342.D

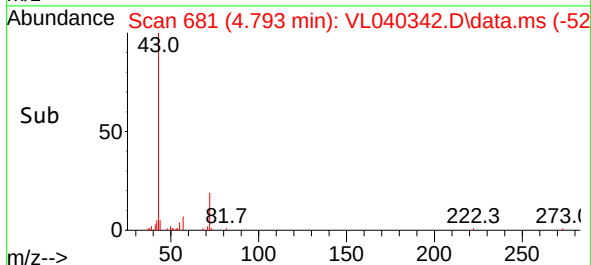
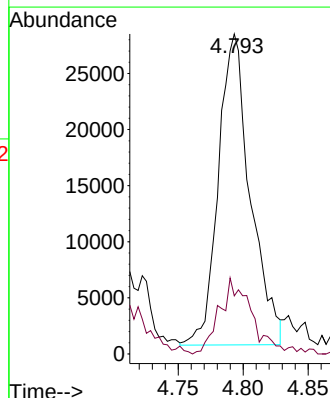
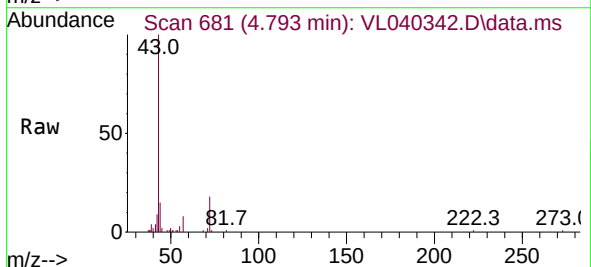
Acq: 12 Apr 2023 17:09

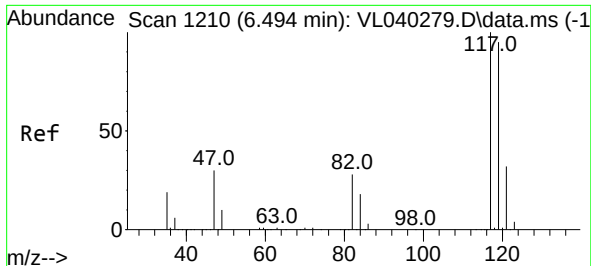
Tgt Ion: 43 Resp: 47395

Ion Ratio Lower Upper

43 100

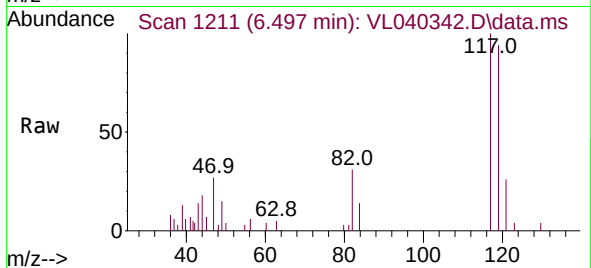
72 25.8 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 6.497 min Scan# 1174
Delta R.T. 0.003 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

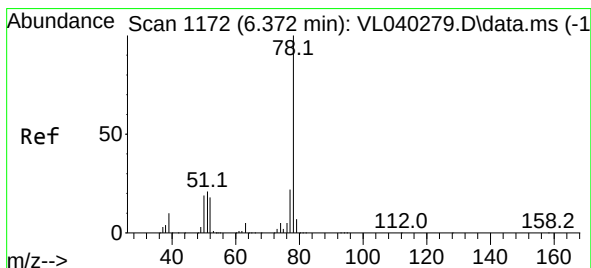
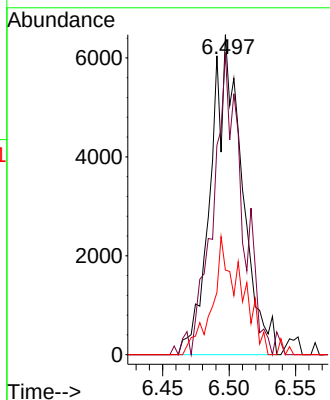
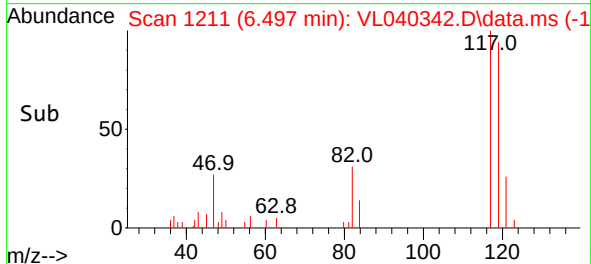
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:117 Resp: 1059
Ion Ratio Lower Upper
117 100
119 94.4 76.4 114.6
121 26.4 25.6 38.4

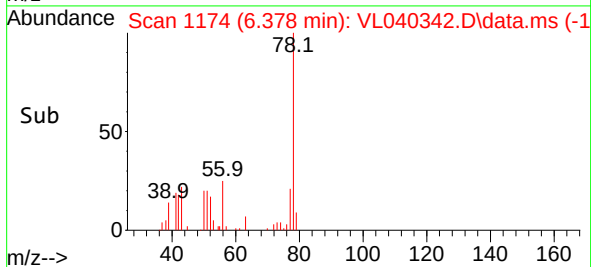
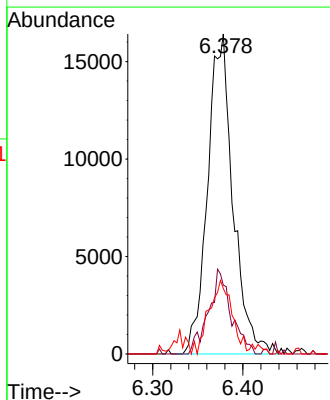
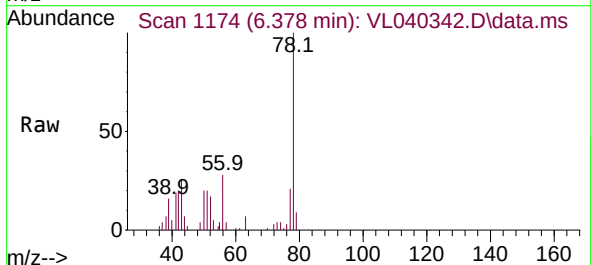
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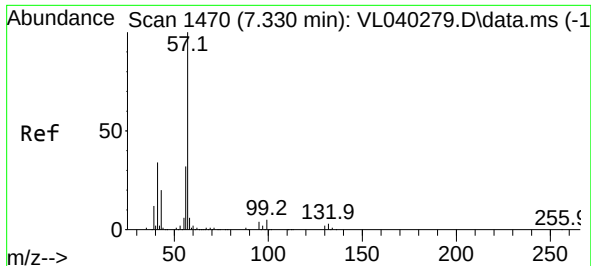
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#36
Benzene
Concen: 0.181 ppbv m
RT: 6.378 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

Tgt Ion: 78 Resp: 32091
Ion Ratio Lower Upper
78 100
77 21.5 17.8 26.8
50 20.4 15.4 23.2





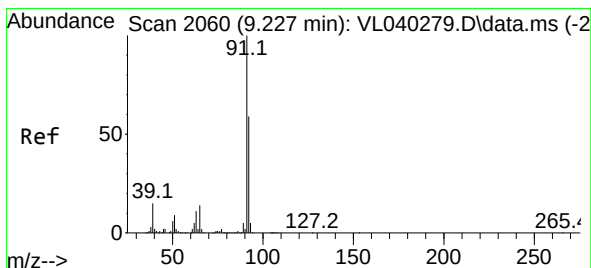
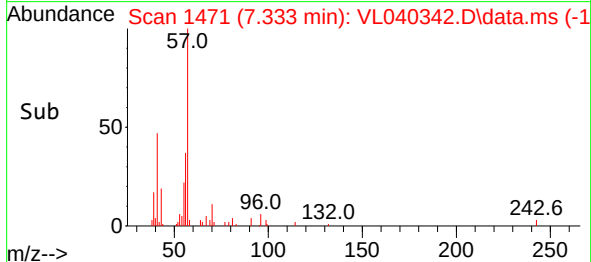
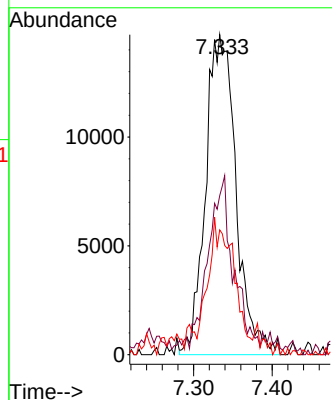
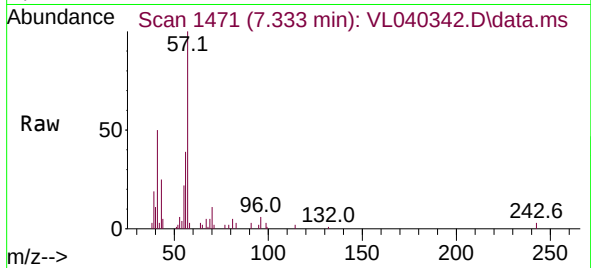
#44
2,2,4-Trimethylpentane
Concen: 0.134 ppbv m
RT: 7.333 min Scan# 1470
Delta R.T. 0.003 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 57 Resp: 39614
Ion Ratio Lower Upper
57 100
41 0.0 26.8 40.2
56 47.0 25.0 37.6

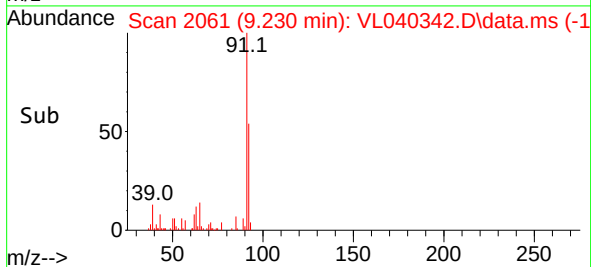
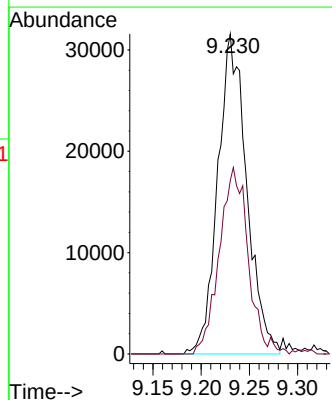
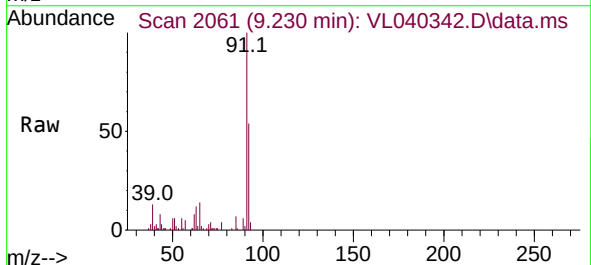
Manual Integrations
APPROVED

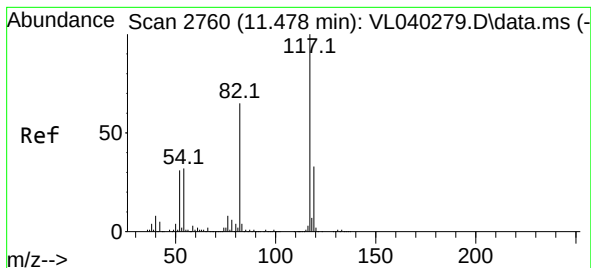
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#53
Toluene
Concen: 0.354 ppbv m
RT: 9.230 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

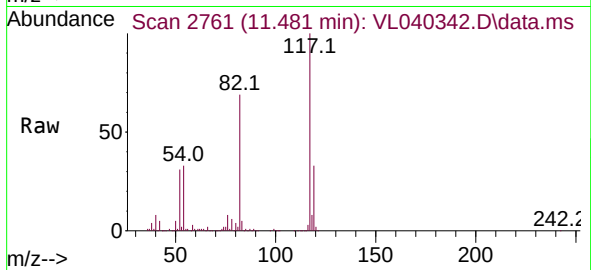
Tgt Ion: 91 Resp: 65655
Ion Ratio Lower Upper
91 100
92 0.0 48.0 72.0#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

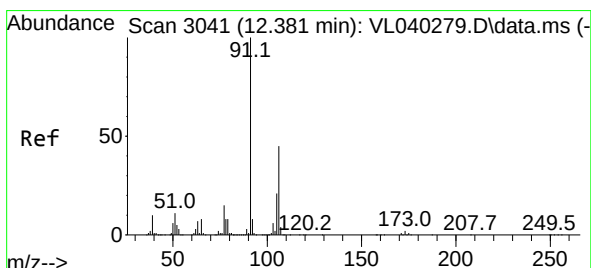
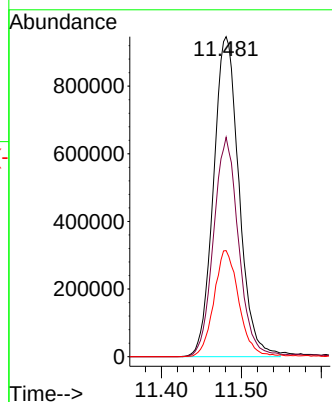
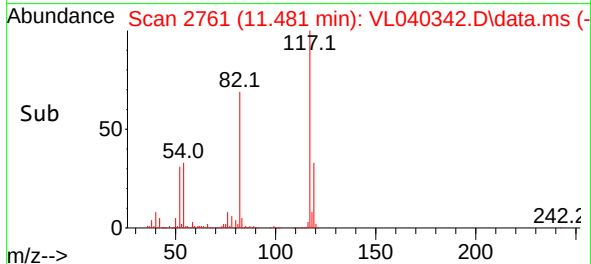
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:117 Resp: 2096390
Ion Ratio Lower Upper
117 100
82 68.2 51.4 77.2
119 32.9 24.0 36.0

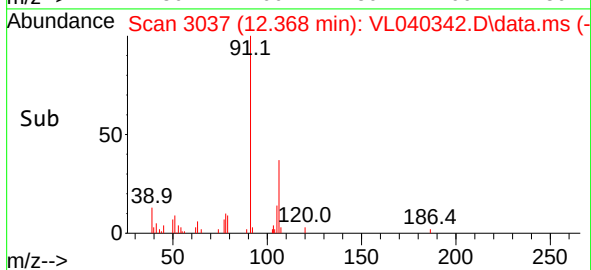
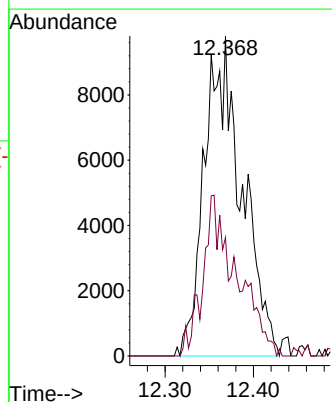
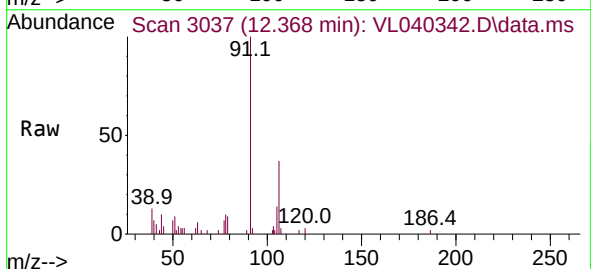
Manual Integrations
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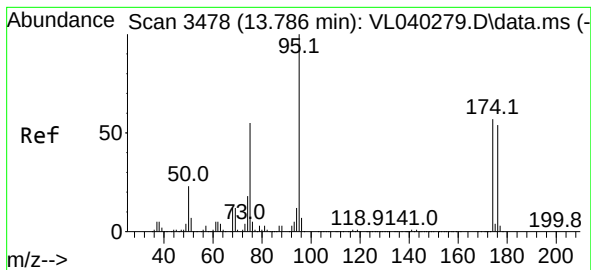
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#59
m/p-Xylene
Concen: 0.130 ppbv m
RT: 12.368 min Scan# 3037
Delta R.T. -0.013 min
Lab File: VL040342.D
Acq: 12 Apr 2023 17:09

Tgt Ion: 91 Resp: 28500
Ion Ratio Lower Upper
91 100
106 0.0 34.0 51.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.478 ppbv

RT: 13.789 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL040342.D

Acq: 12 Apr 2023 17:09

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 95 Resp: 166398

Ion Ratio Lower Upper

95 100

174 59.8 47.0 70.6

175 4.2 3.4 5.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023

