

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040798.D
 Acq On : 25 Oct 2023 13:26
 Operator : SY/MD
 Sample : 05024-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:51:44 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	876962	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2329038	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2087463	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1597233	10.399	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.745	85	78481	0.508	ppbv	96
4) Chloromethane	2.829	50	28067	0.552	ppbv	89
9) Propene	2.722	41	34200	0.714	ppbv #	75
11) Trichlorofluoromethane	3.568	101	34235	0.287	ppbv	87
13) Ethanol	3.247	45	1134523	104.990	ppbv	99
15) Acetone	3.475	43	1055370	11.641	ppbv	98
19) Isopropyl Alcohol	3.584	45	701916	12.027	ppbv #	40
20) Methylene Chloride	3.941	84	618214	16.371	ppbv	98
26) Hexane	5.208	57	345221	3.803	ppbv #	56
29) Chloroform	5.275	83	35256m	0.268	ppbv	
34) 2-Butanone	4.790	43	69707	0.661	ppbv	96
35) Carbon Tetrachloride	6.478	117	10743m	0.082	ppbv	
36) Benzene	6.365	78	22099	0.123	ppbv #	93
52) Tetrachloroethene	10.600	164	7709m	0.106	ppbv	
53) Toluene	9.211	91	67387	0.316	ppbv	98
58) Ethyl Benzene	12.073	91	15446	0.059	ppbv	93
59) m/p-Xylene	12.330	91	40090m	0.185	ppbv	
60) o-Xylene	13.040	91	17527m	0.085	ppbv	

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

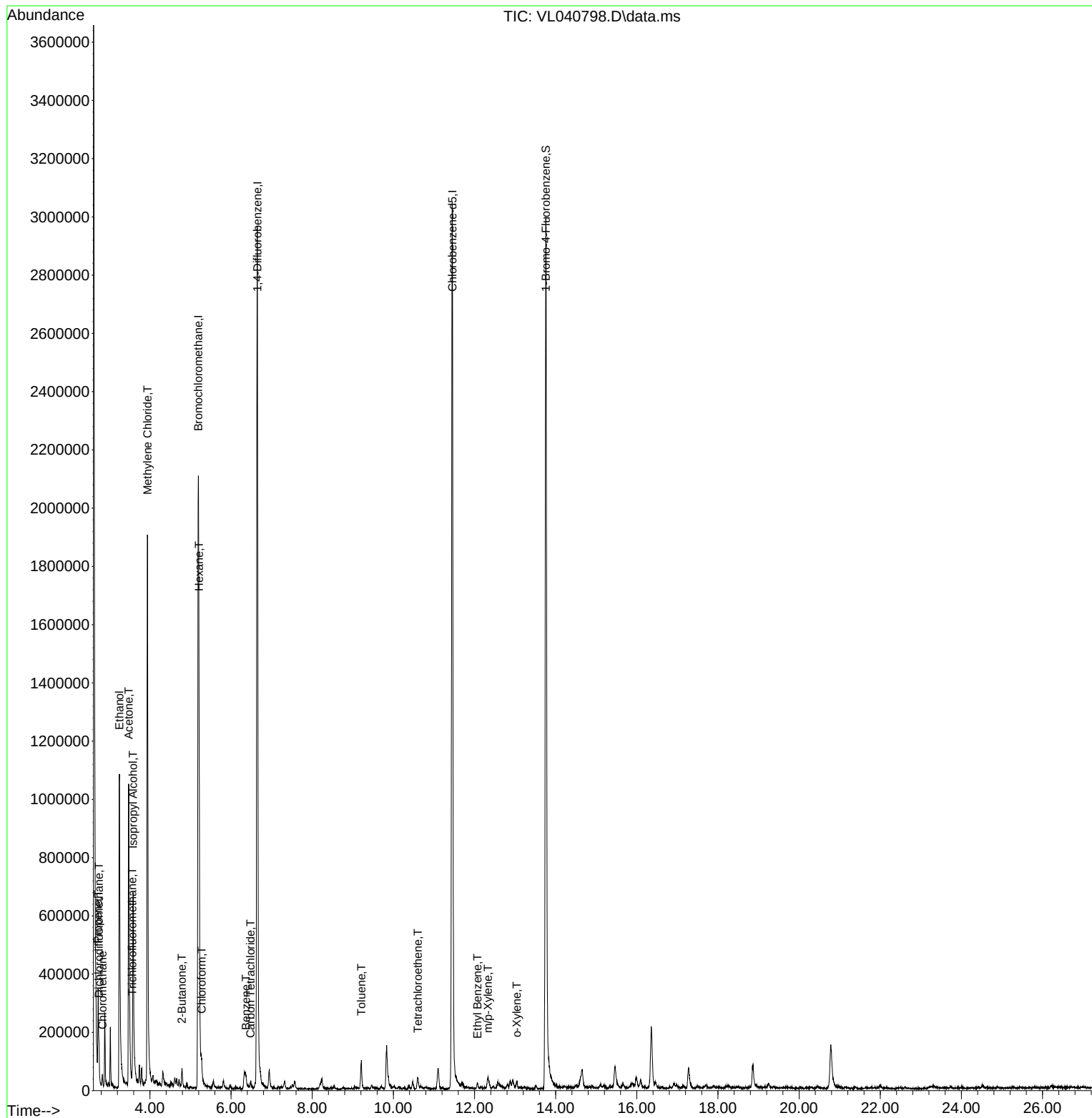
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
Data File : VL040798.D
Acq On : 25 Oct 2023 13:26
Operator : SY/MD
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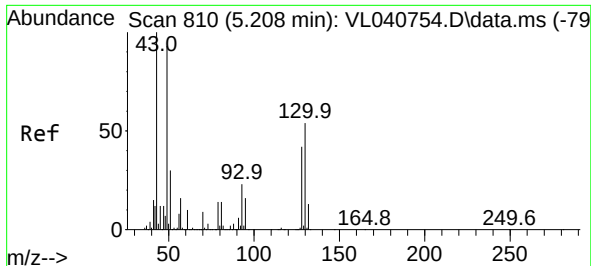
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

Quant Time: Oct 26 03:51:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Oct 12 00:21:08 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

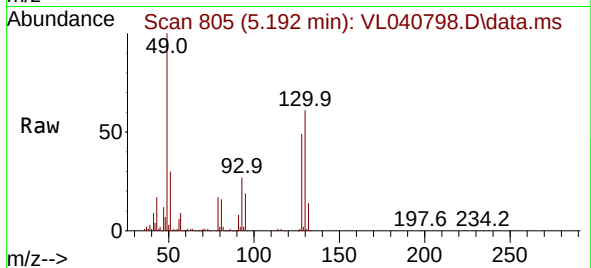
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

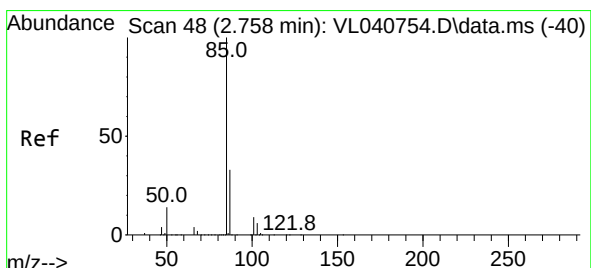
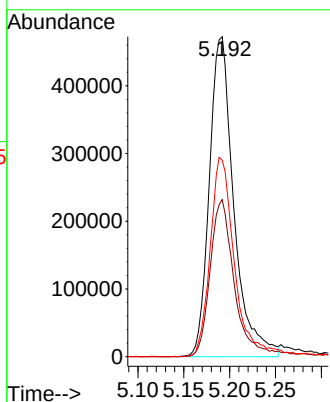
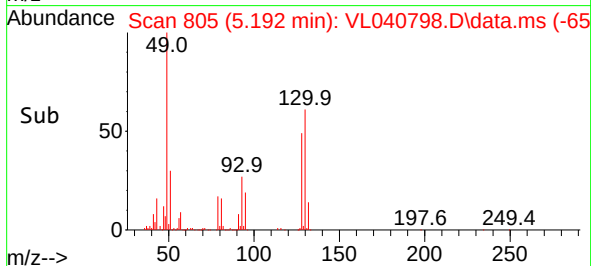
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 49 Resp: 876962
Ion Ratio Lower Upper
49 100
128 49.9 23.9 71.7
130 64.2 30.7 92.1

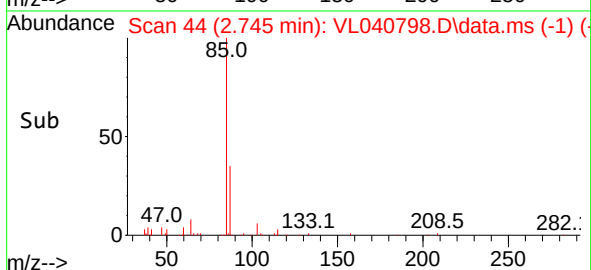
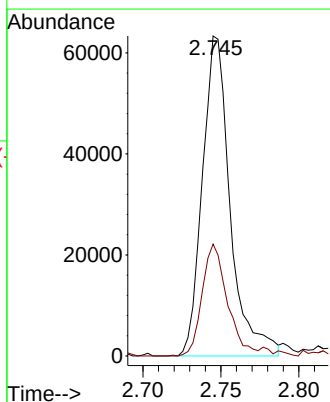
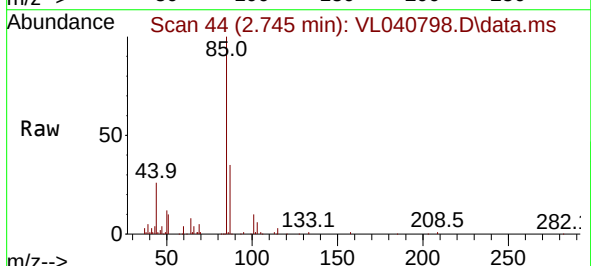
Manual Integrations
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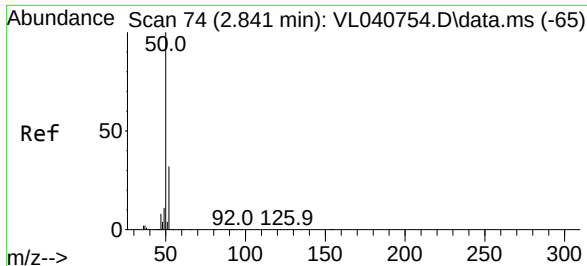
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#2
Dichlorodifluoromethane
Concen: 0.508 ppbv
RT: 2.745 min Scan# 44
Delta R.T. -0.013 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

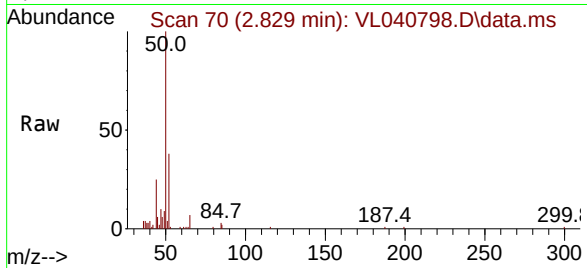
Tgt Ion: 85 Resp: 78481
Ion Ratio Lower Upper
85 100
87 34.9 26.0 39.0





#4
Chloromethane
Concen: 0.552 ppbv
RT: 2.829 min Scan# 70
Delta R.T. -0.013 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

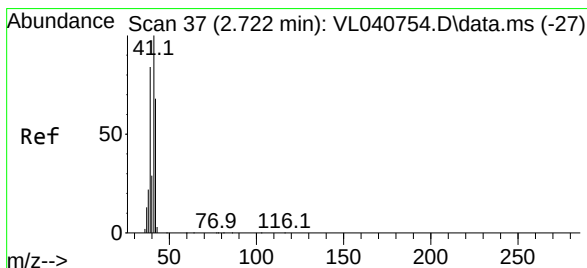
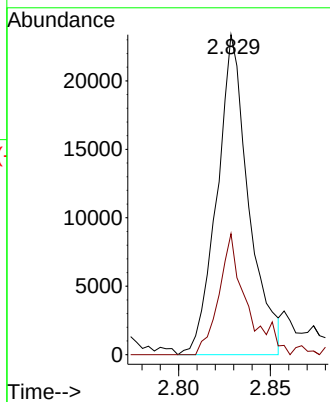
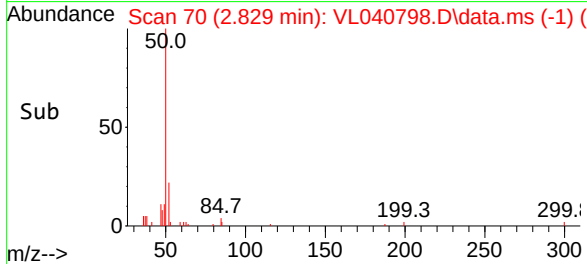
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 50 Resp: 2806
Ion Ratio Lower Upper
50 100
52 37.8 25.3 37.9

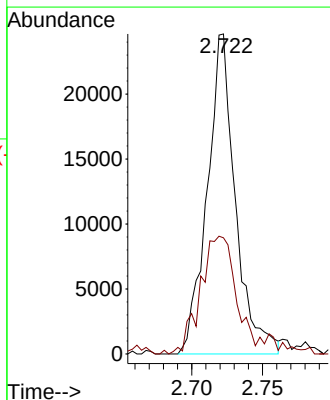
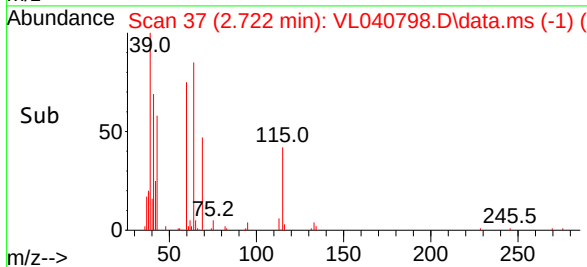
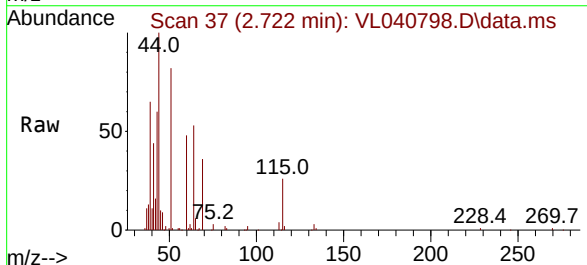
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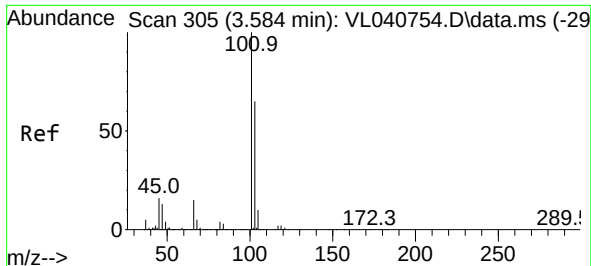
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#9
Propene
Concen: 0.714 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.000 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

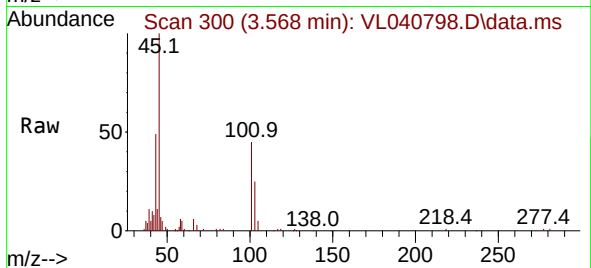
Tgt Ion: 41 Resp: 34200
Ion Ratio Lower Upper
41 100
42 50.9 57.1 85.7#





#11
Trichlorofluoromethane
Concen: 0.287 ppbv
RT: 3.568 min Scan# 305
Delta R.T. -0.016 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

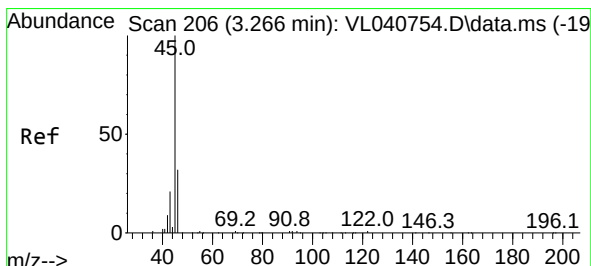
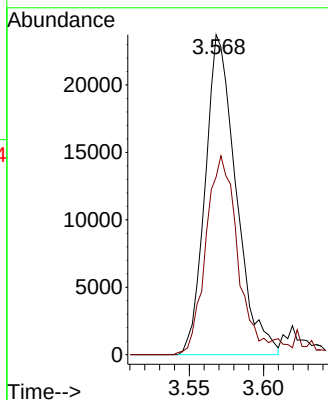
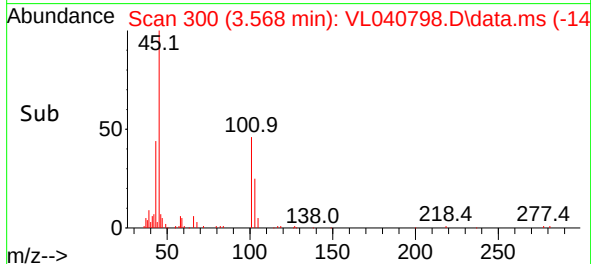
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion:101 Resp: 3423
Ion Ratio Lower Upper
101 100
103 54.9 52.2 78.2

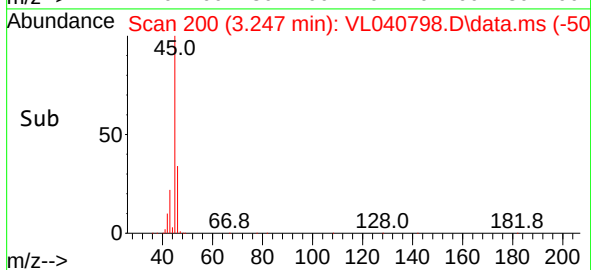
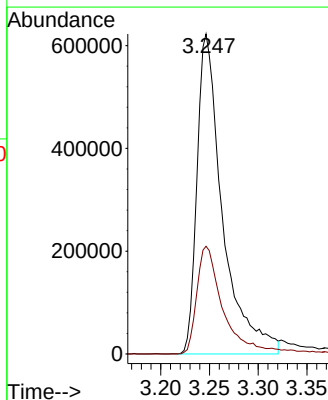
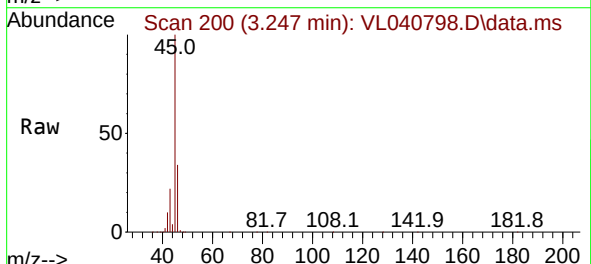
Manual Integrations
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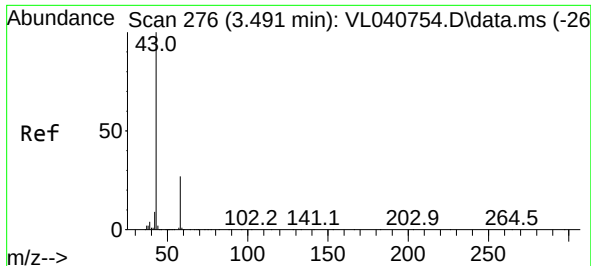
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#13
Ethanol
Concen: 104.990 ppbv
RT: 3.247 min Scan# 200
Delta R.T. -0.019 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

Tgt Ion: 45 Resp: 1134523
Ion Ratio Lower Upper
45 100
46 35.9 14.6 58.2





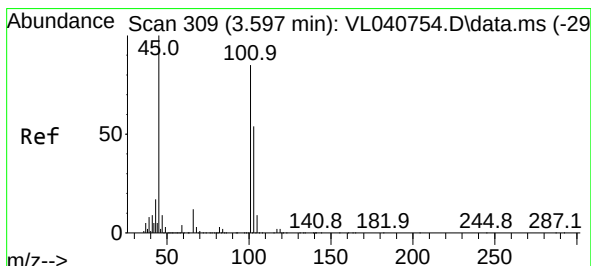
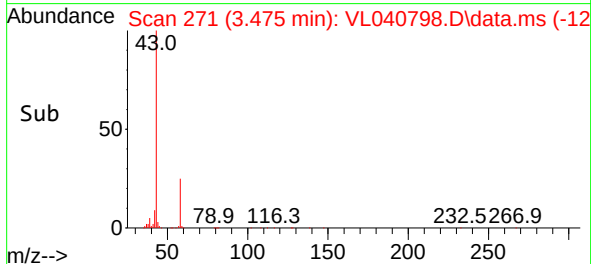
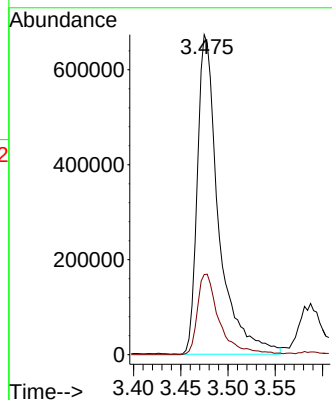
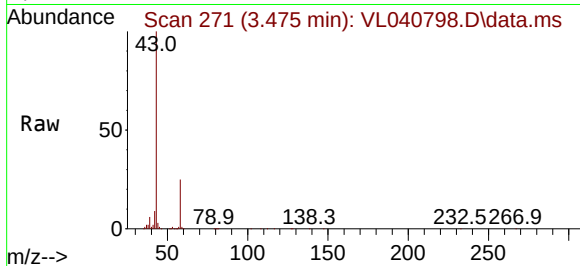
#15
Acetone
Concen: 11.641 ppbv
RT: 3.475 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

Tgt Ion: 43 Resp: 1055370
Ion Ratio Lower Upper
43 100
58 26.2 21.6 32.4

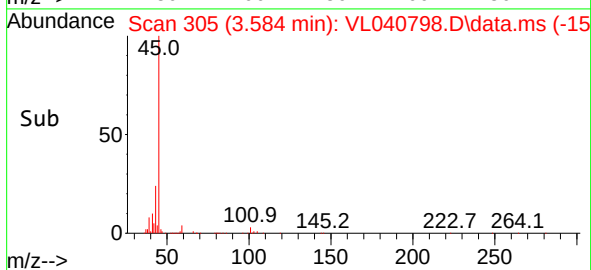
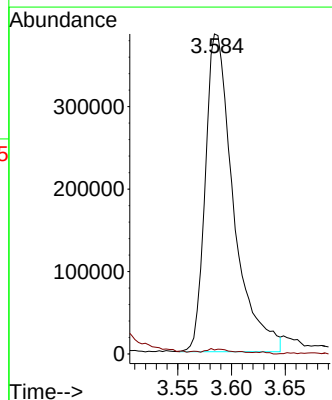
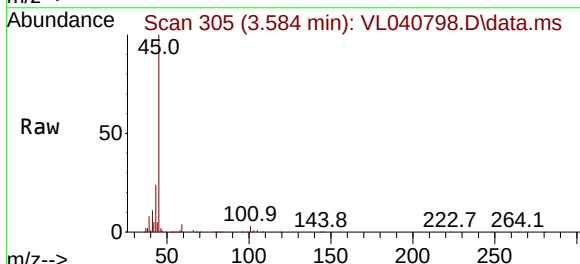
Manual Integrations
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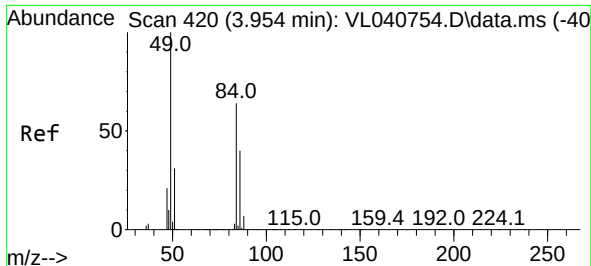
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#19
Isopropyl Alcohol
Concen: 12.027 ppbv
RT: 3.584 min Scan# 305
Delta R.T. -0.013 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

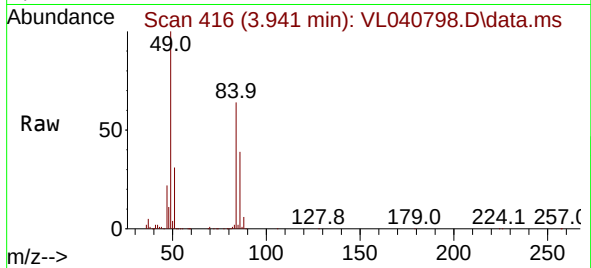
Tgt Ion: 45 Resp: 701916
Ion Ratio Lower Upper
45 100
58 1.9 30.3 45.5#





#20
Methylene Chloride
Concen: 16.371 ppbv
RT: 3.941 min Scan# 416
Delta R.T. -0.013 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

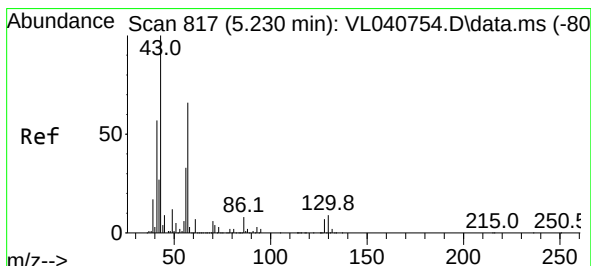
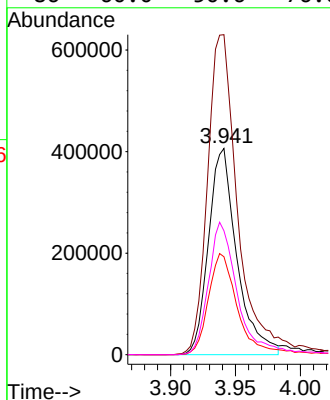
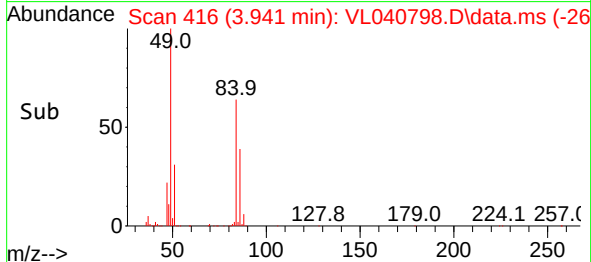
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 84 Resp: 618214
Ion Ratio Lower Upper
84 100
49 154.8 125.6 188.4
51 47.2 38.9 58.3
86 60.0 50.6 76.0

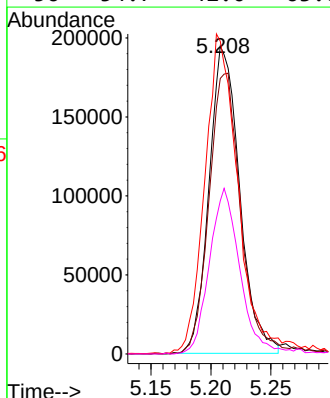
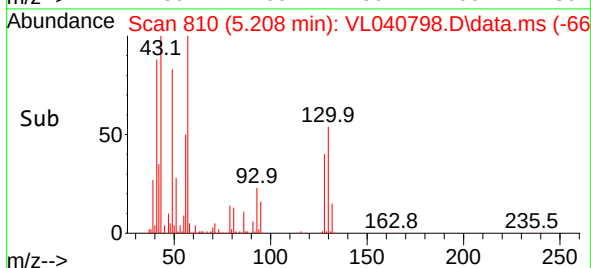
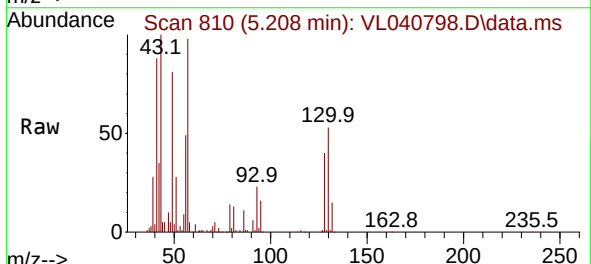
Manual Integrations
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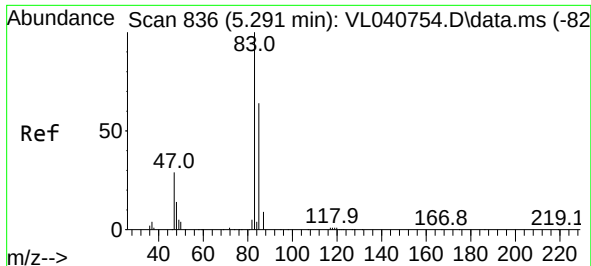
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#26
Hexane
Concen: 3.803 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.022 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

Tgt Ion: 57 Resp: 345221
Ion Ratio Lower Upper
57 100
41 96.4 71.4 107.2
43 115.9 182.3 273.5#
56 54.7 42.0 63.0





#29

Chloroform

Concen: 0.268 ppbv m

RT: 5.275 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL040798.D

Acq: 25 Oct 2023 13:26

Instrument :

MSVOA_L

ClientSampleId :

IA-2DUP

Tgt Ion: 83 Resp: 35250

Ion Ratio Lower Upper

83 100

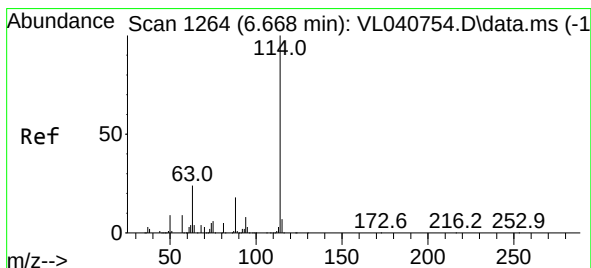
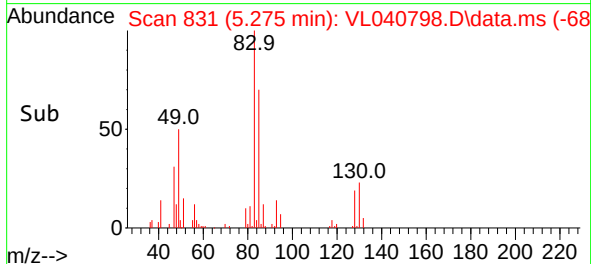
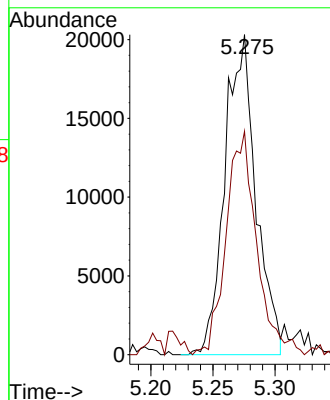
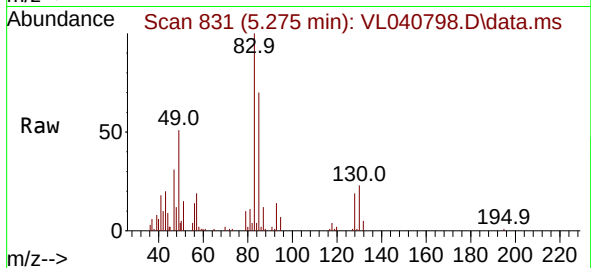
85 69.8 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1257

Delta R.T. -0.022 min

Lab File: VL040798.D

Acq: 25 Oct 2023 13:26

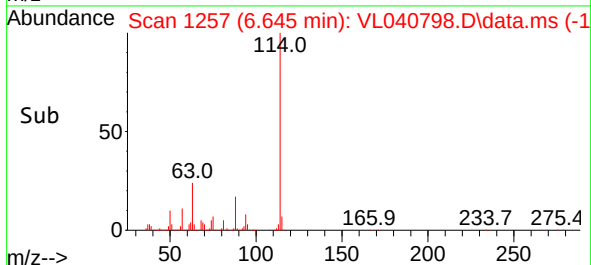
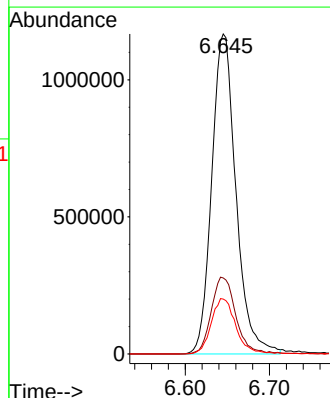
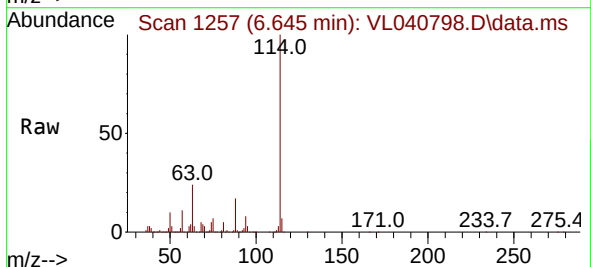
Tgt Ion:114 Resp: 2329038

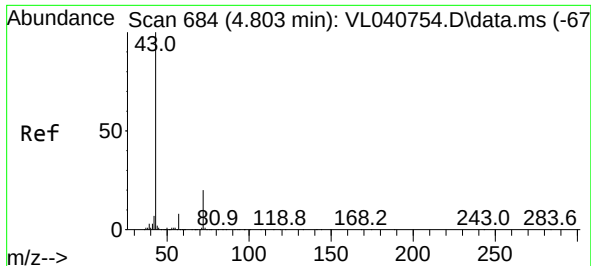
Ion Ratio Lower Upper

114 100

63 24.8 19.8 29.6

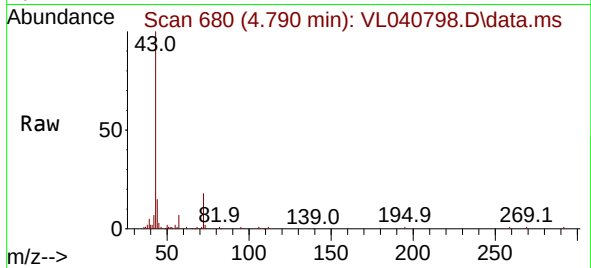
88 17.7 14.2 21.2





#34
2-Butanone
Concen: 0.661 ppbv
RT: 4.790 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

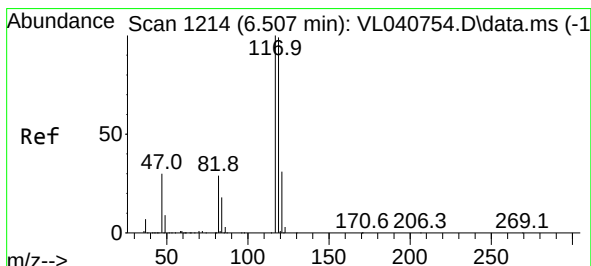
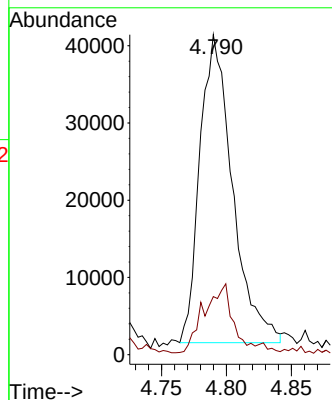
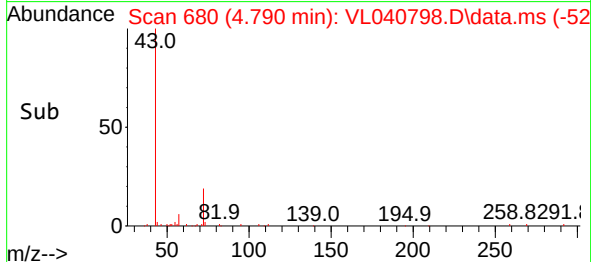
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 43 Resp: 6970
Ion Ratio Lower Upper
43 100
72 22.7 16.8 25.2

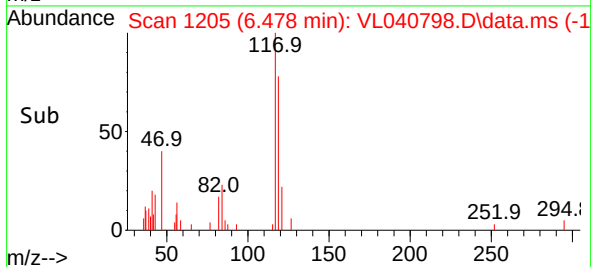
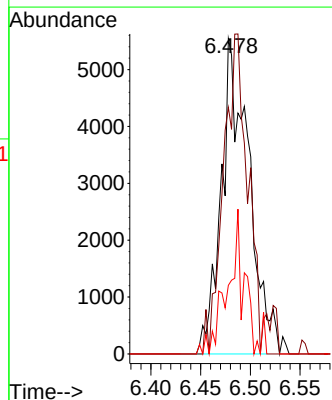
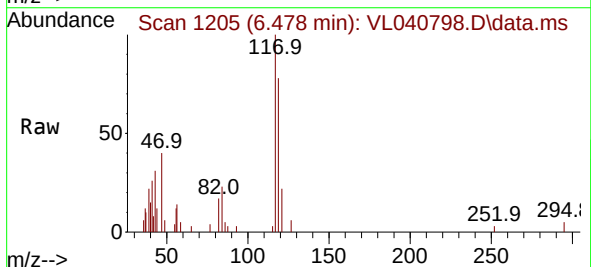
Manual Integrations
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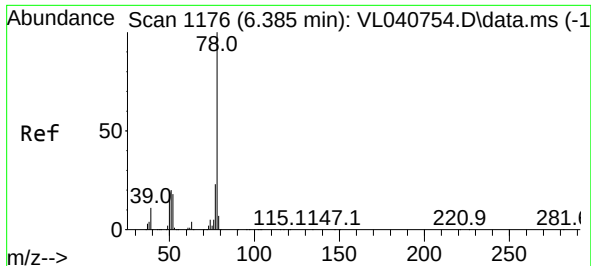
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 6.478 min Scan# 1205
Delta R.T. -0.029 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

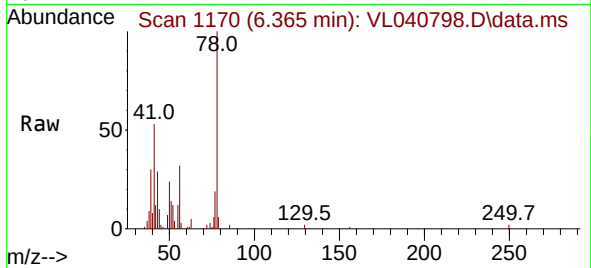
Tgt Ion:117 Resp: 10743
Ion Ratio Lower Upper
117 100
119 78.2 79.4 119.0#
121 21.7 25.0 37.4#





#36
Benzene
Concen: 0.123 ppbv
RT: 6.365 min Scan# 1176
Delta R.T. -0.019 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

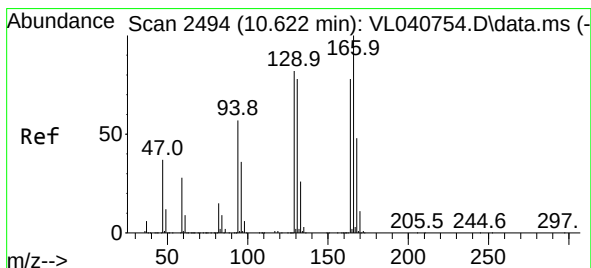
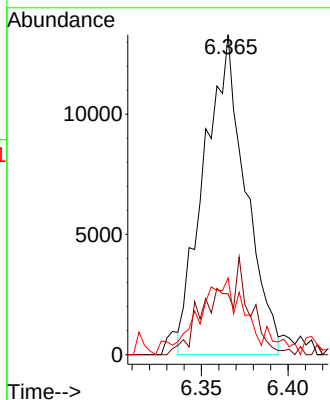
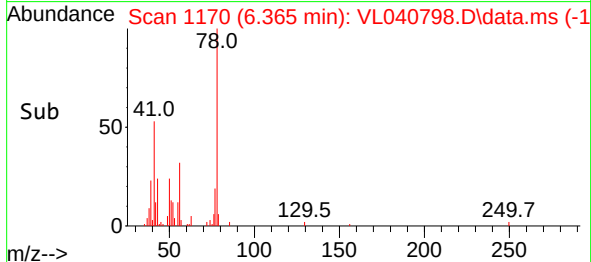
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 78 Resp: 22099
Ion Ratio Lower Upper
78 100
77 17.6 18.4 27.6
50 19.7 15.0 22.4

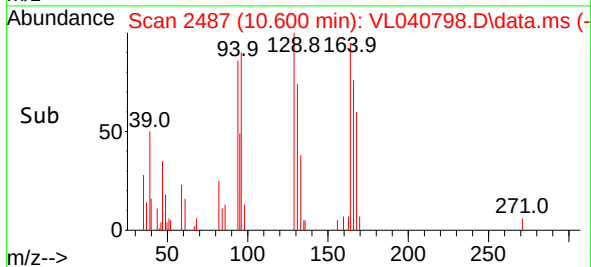
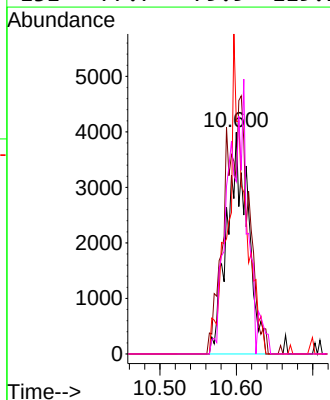
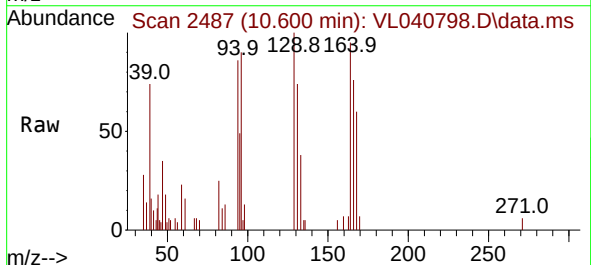
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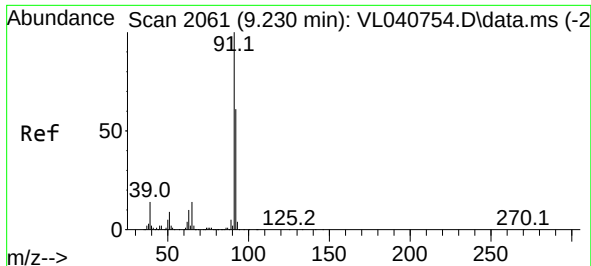
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#52
Tetrachloroethene
Concen: 0.106 ppbv m
RT: 10.600 min Scan# 2487
Delta R.T. -0.022 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

Tgt Ion:164 Resp: 7709
Ion Ratio Lower Upper
164 100
166 79.3 102.4 153.6#
129 104.9 84.2 126.4
131 77.7 79.9 119.9#





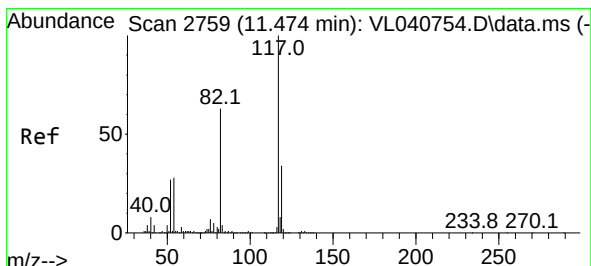
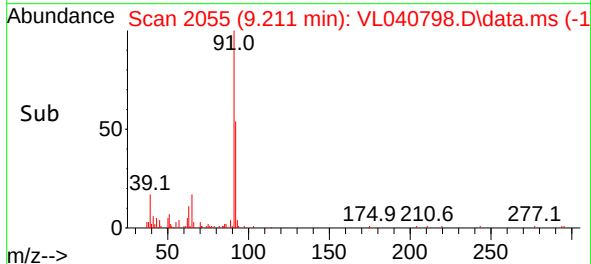
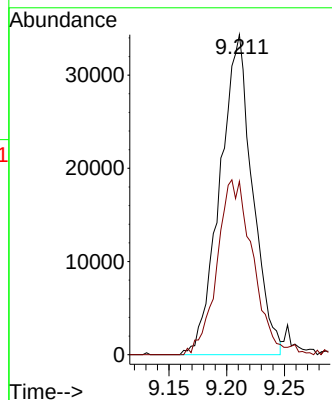
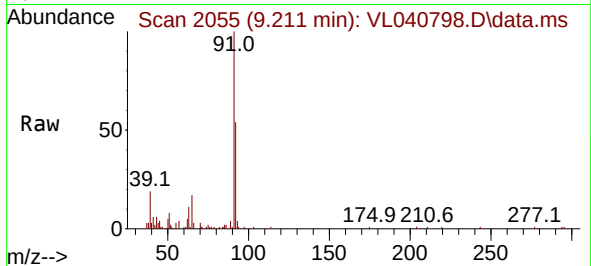
#53
Toluene
Concen: 0.316 ppbv
RT: 9.211 min Scan# 2061
Delta R.T. -0.019 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

Tgt Ion: 91 Resp: 6738
Ion Ratio Lower Upper
91 100
92 61.1 50.2 75.2

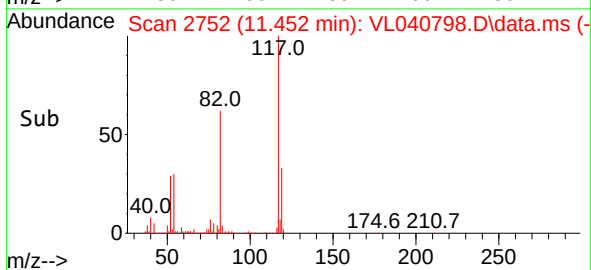
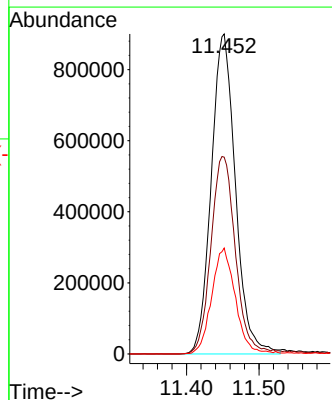
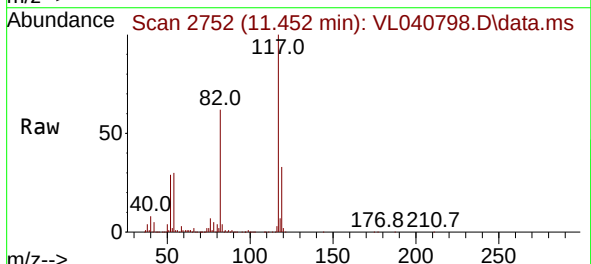
Manual Integrations
APPROVED

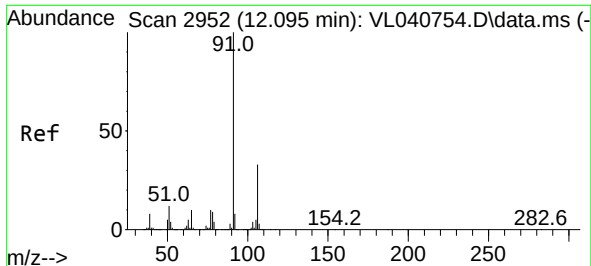
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.022 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

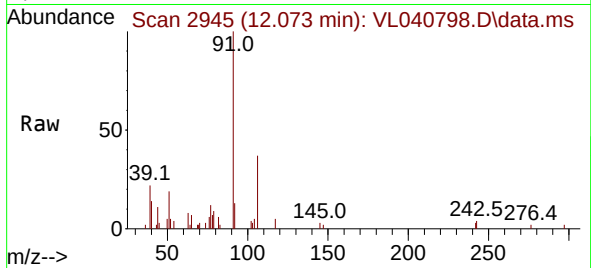
Tgt Ion:117 Resp: 2087463
Ion Ratio Lower Upper
117 100
82 64.0 46.6 70.0
119 32.8 26.0 39.0





#58
Ethyl Benzene
Concen: 0.059 ppbv
RT: 12.073 min Scan# 2952
Delta R.T. -0.022 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

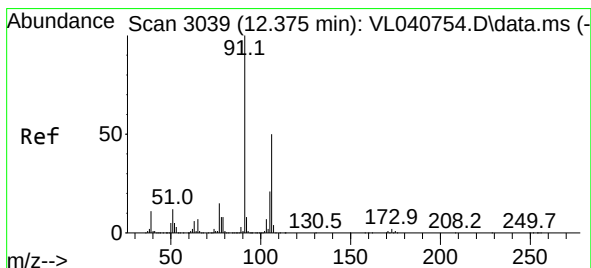
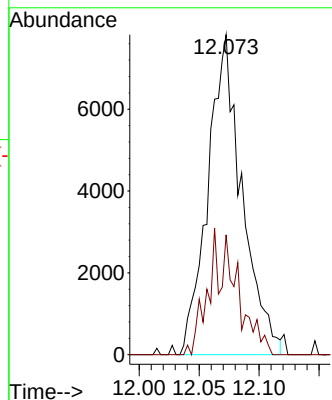
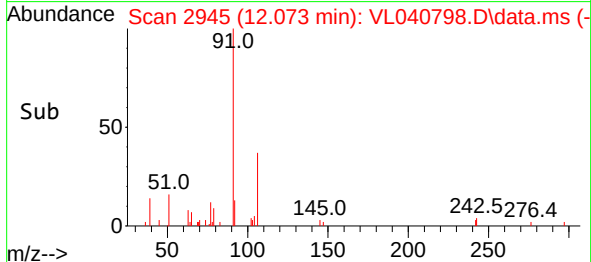
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 91 Resp: 15440
Ion Ratio Lower Upper
91 100
106 37.5 26.7 40.1

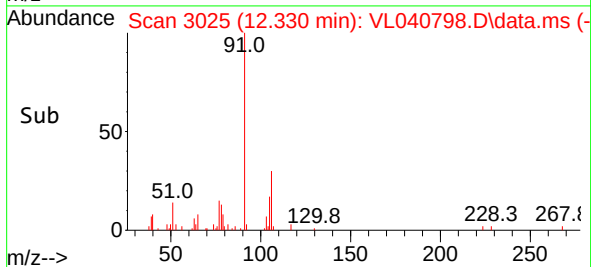
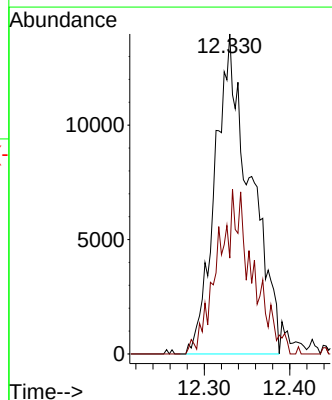
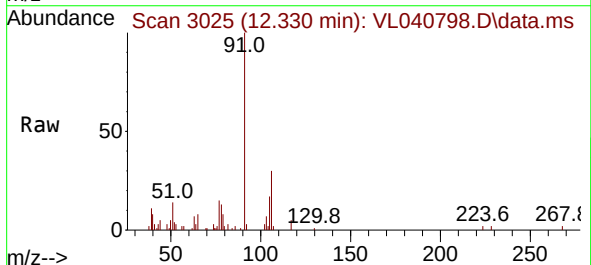
Manual Integrations
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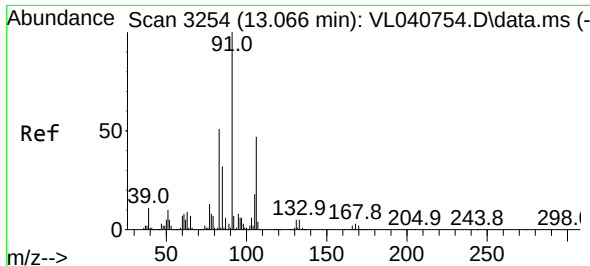
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#59
m/p-Xylene
Concen: 0.185 ppbv m
RT: 12.330 min Scan# 3025
Delta R.T. -0.045 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

Tgt Ion: 91 Resp: 40090
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5#





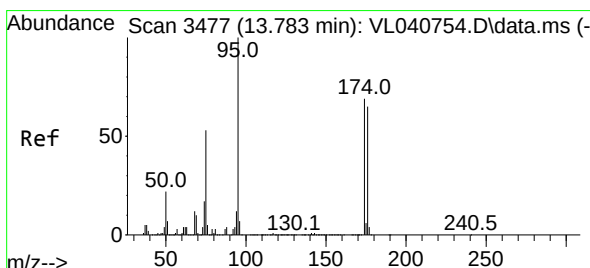
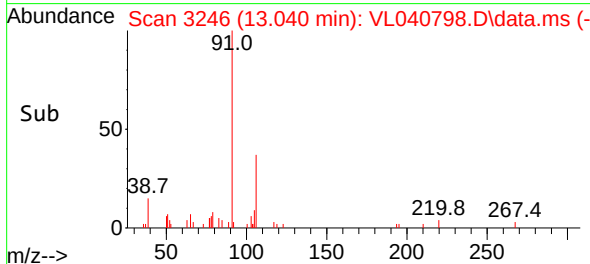
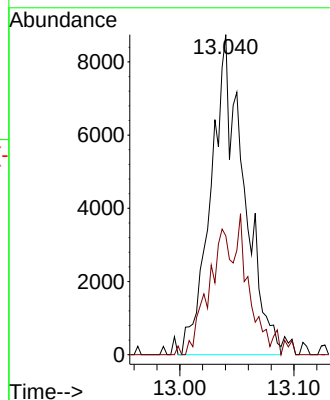
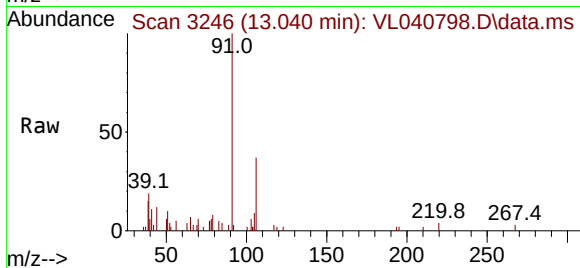
#60
o-Xylene
Concen: 0.085 ppbv m
RT: 13.040 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

Tgt Ion: 91 Resp: 1752
Ion Ratio Lower Upper
91 100
106 0.0 23.5 70.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.399 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.026 min
Lab File: VL040798.D
Acq: 25 Oct 2023 13:26

Tgt Ion: 95 Resp: 1597233
Ion Ratio Lower Upper
95 100
174 64.2 54.7 82.1
175 4.7 4.2 6.4

