

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040616.D
 Acq On : 9 Aug 2023 22:02
 Operator : SY/MD
 Sample : 03950-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 01:33:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 10 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	891364	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.652	114	2238759	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.471	117	1971475	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1636834	10.491	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.719	85	24147	0.135	ppbv	99
9) Propene	2.687	41	138080	2.855	ppbv	92
13) Ethanol	3.247	45	17640m	1.676	ppbv	
15) Acetone	3.462	43	333352	3.249	ppbv	96
20) Methylene Chloride	3.928	84	505620	11.585	ppbv	99
26) Hexane	5.211	57	198648	2.189	ppbv #	37
27) Carbon Disulfide	4.115	76	13935m	0.131	ppbv	
29) Chloroform	5.269	83	38105	0.253	ppbv	91
32) 1,1,1-Trichloroethane	5.999	97	236116	1.603	ppbv	96
34) 2-Butanone	4.803	43	22617	0.204	ppbv	97
35) Carbon Tetrachloride	6.500	117	5134m	0.038	ppbv	
36) Benzene	6.372	78	31910	0.177	ppbv	99
38) Trichloroethene	7.295	130	9325m	0.137	ppbv	
52) Tetrachloroethene	10.626	164	9100m	0.156	ppbv	
53) Toluene	9.227	91	32676m	0.167	ppbv	

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

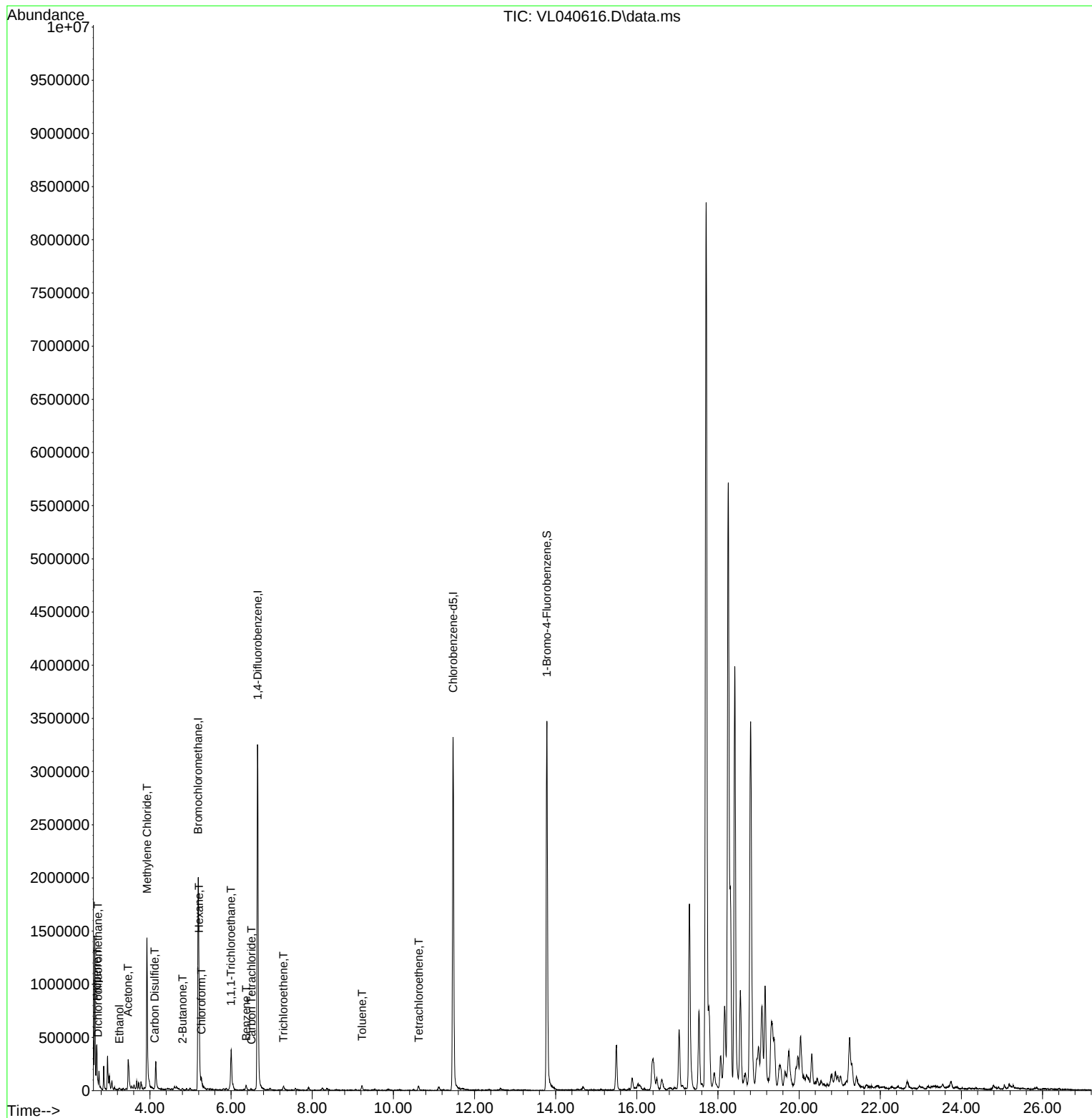
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
Data File : VL040616.D
Acq On : 9 Aug 2023 22:02
Operator : SY/MD
Sample : 03950-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

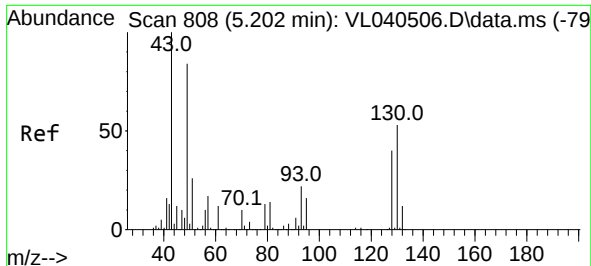
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Aug 10 01:33:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

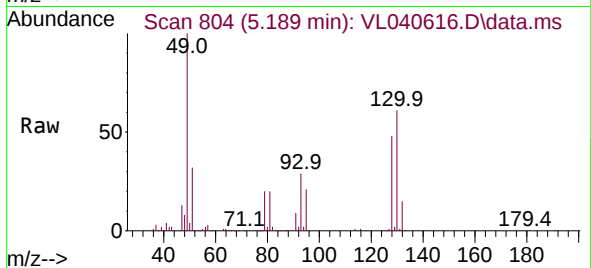
Reviewed By : Semsettin Yesilyurt 08/10/2023
Supervised By : Mahesh Dadoda 08/10/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

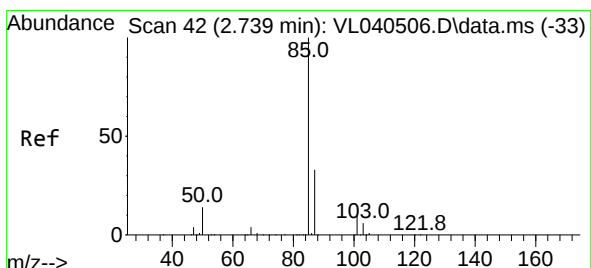
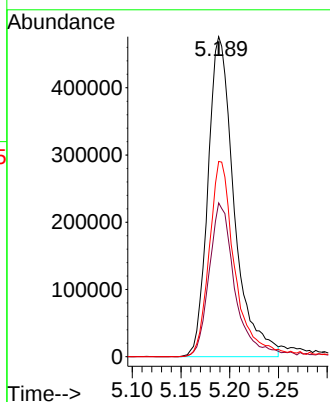
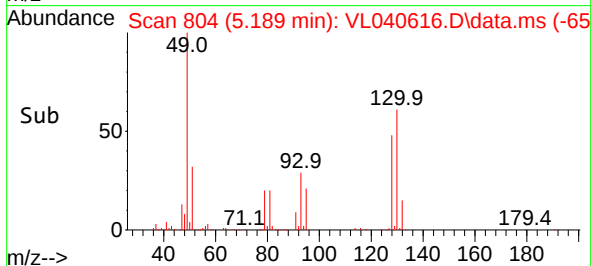
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 891364
Ion Ratio Lower Upper
49 100
128 48.8 25.1 75.4
130 61.8 31.6 94.7

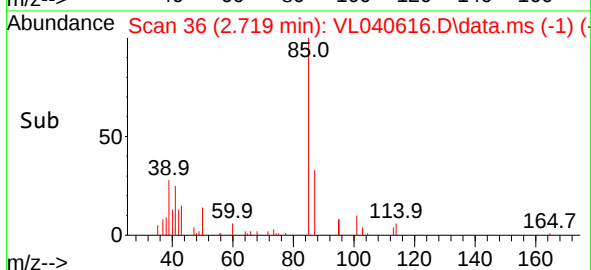
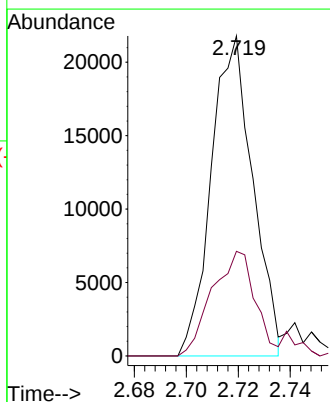
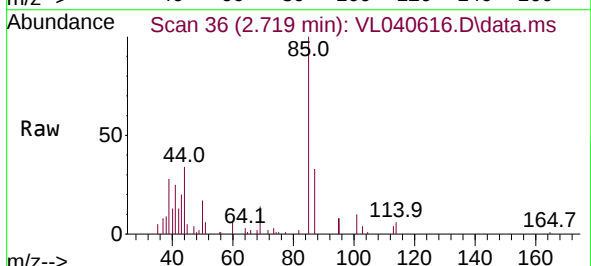
Manual Integrations
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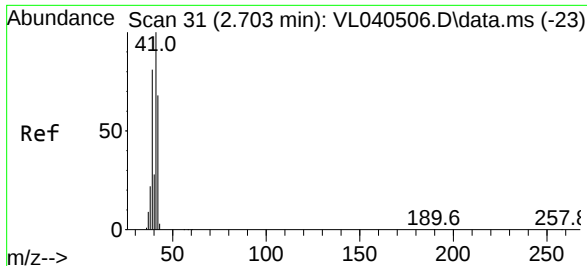
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#2
Dichlorodifluoromethane
Concen: 0.135 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.019 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

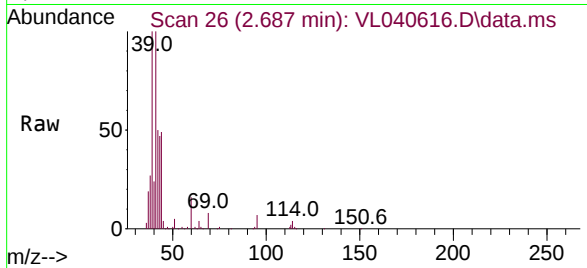
Tgt Ion: 85 Resp: 24147
Ion Ratio Lower Upper
85 100
87 32.7 26.8 40.2





#9
Propene
Concen: 2.855 ppbv
RT: 2.687 min Scan# 20
Delta R.T. -0.016 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

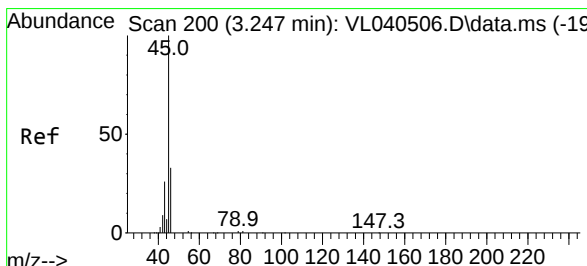
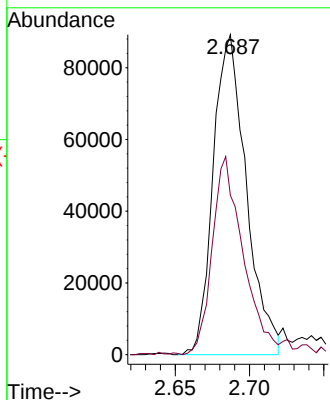
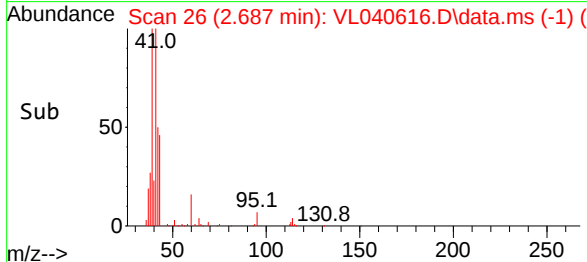
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 41 Resp: 138080
Ion Ratio Lower Upper
41 100
42 62.5 55.0 82.6

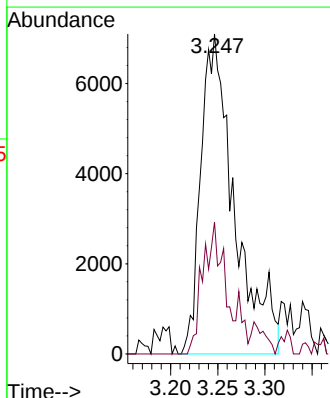
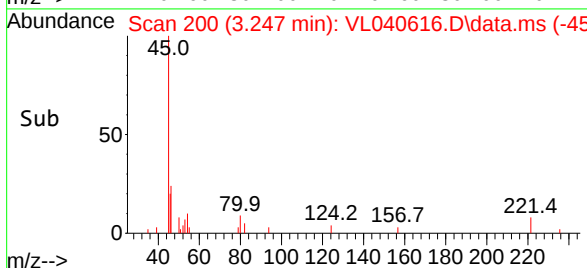
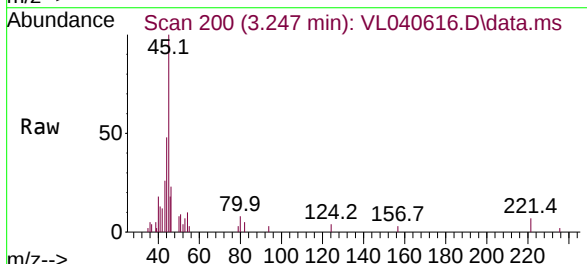
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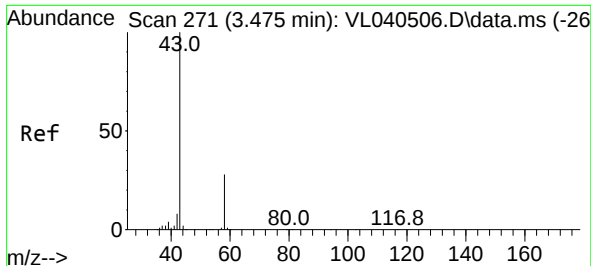
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#13
Ethanol
Concen: 1.676 ppbv m
RT: 3.247 min Scan# 200
Delta R.T. -0.000 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

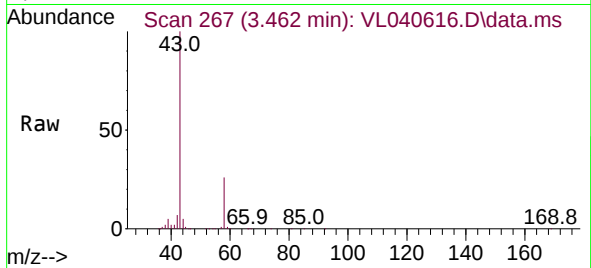
Tgt Ion: 45 Resp: 17640
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#





#15
Acetone
Concen: 3.249 ppbv
RT: 3.462 min Scan# 20
Delta R.T. -0.013 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

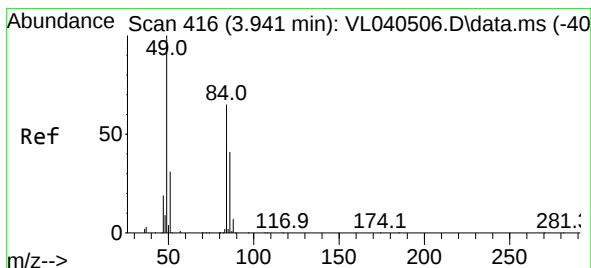
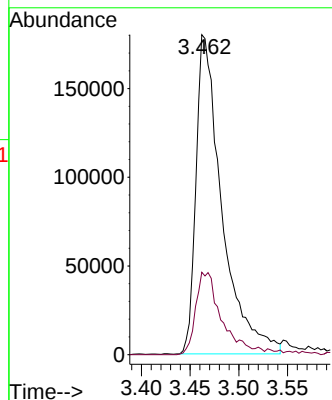
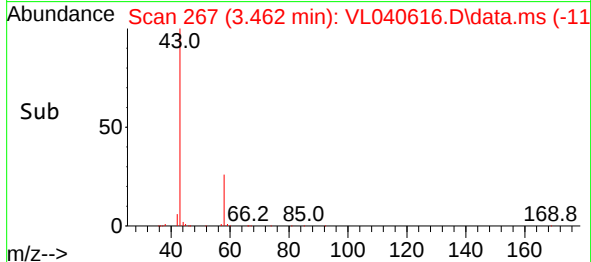
Instrument :
MSVOA_L
ClientSampleId :
SV1



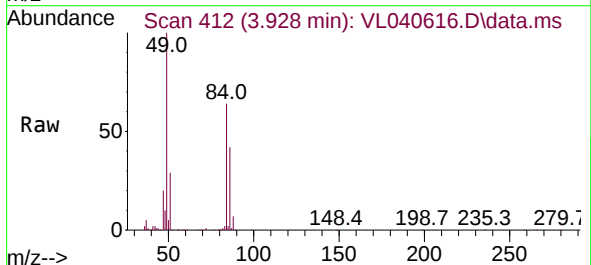
Tgt Ion: 43 Resp: 333352
Ion Ratio Lower Upper
43 100
58 26.7 22.9 34.3

Manual Integrations
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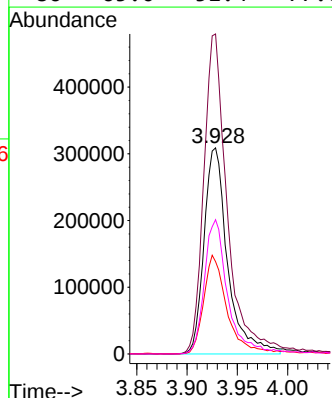
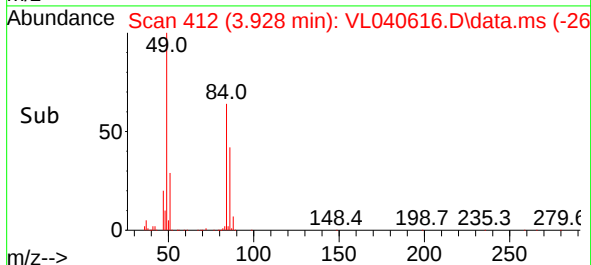
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

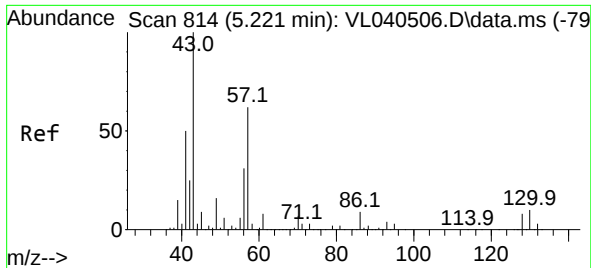


#20
Methylene Chloride
Concen: 11.585 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.013 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02



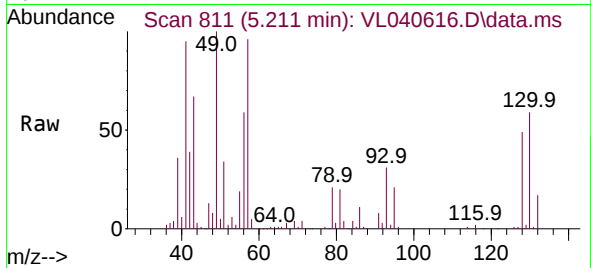
Tgt Ion: 84 Resp: 505620
Ion Ratio Lower Upper
84 100
49 155.0 123.4 185.2
51 44.7 38.3 57.5
86 65.0 51.4 77.0





#26
Hexane
Concen: 2.189 ppbv
RT: 5.211 min Scan# 814
Delta R.T. -0.010 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

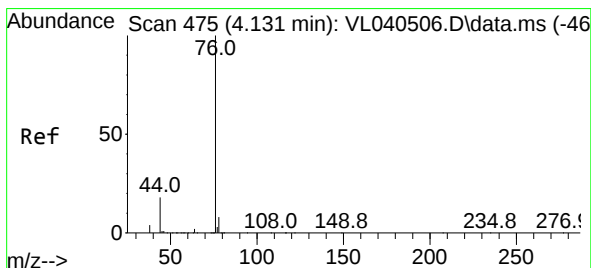
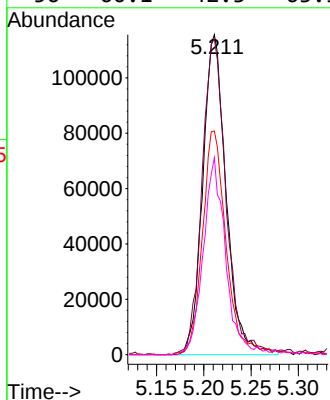
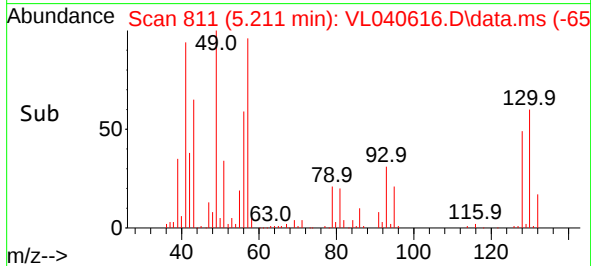
Instrument :
MSVOA_L
ClientSampleId :
SV1



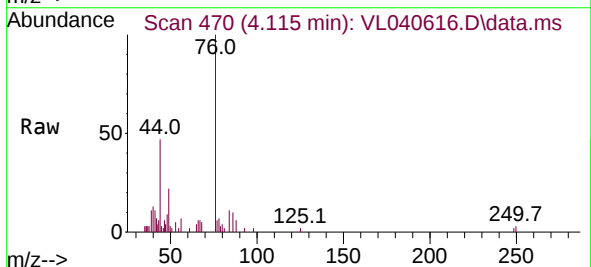
Tgt Ion: 57 Resp: 19864
Ion Ratio Lower Upper
57 100
41 103.8 69.5 104.3
43 71.4 177.1 265.7
56 60.1 42.3 63.5

Manual Integrations
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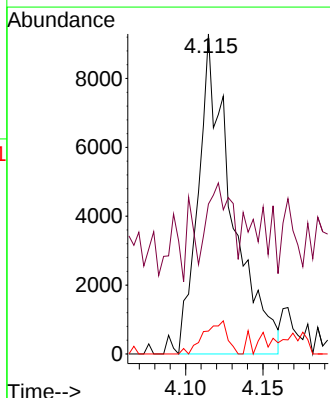
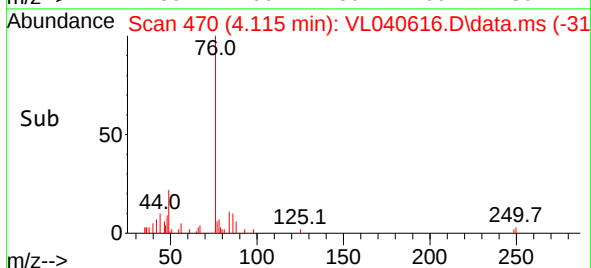
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

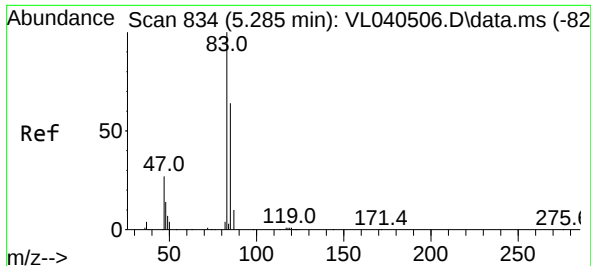


#27
Carbon Disulfide
Concen: 0.131 ppbv m
RT: 4.115 min Scan# 470
Delta R.T. -0.016 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02



Tgt Ion: 76 Resp: 13935
Ion Ratio Lower Upper
76 100
44 20.8 15.1 22.7
78 8.2 7.5 11.3





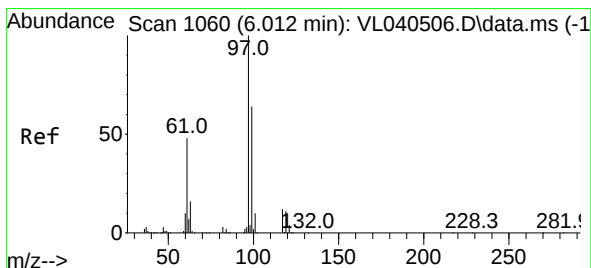
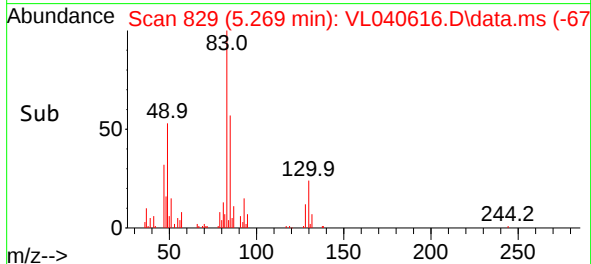
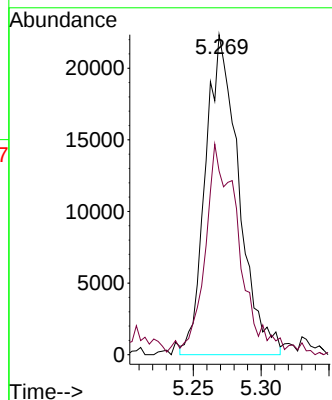
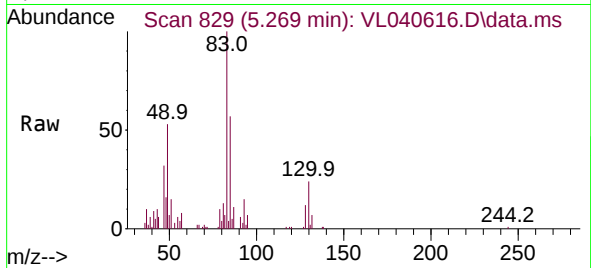
#29
Chloroform
Concen: 0.253 ppbv
RT: 5.269 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 83 Resp: 3810
Ion Ratio Lower Upper
83 100
85 56.8 51.1 76.7

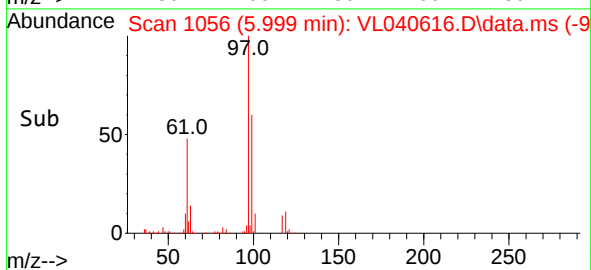
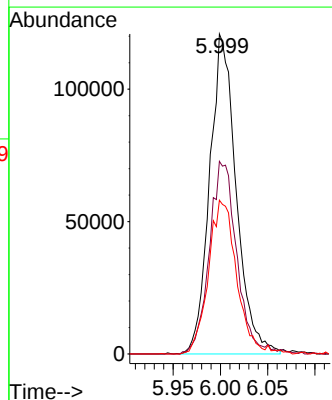
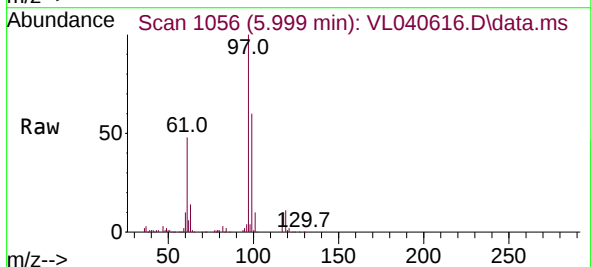
Manual Integrations
APPROVED

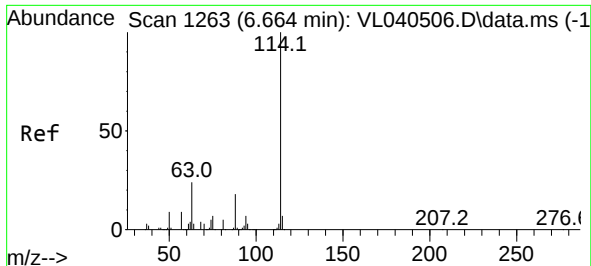
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#32
1,1,1-Trichloroethane
Concen: 1.603 ppbv
RT: 5.999 min Scan# 1056
Delta R.T. -0.013 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

Tgt Ion: 97 Resp: 236116
Ion Ratio Lower Upper
97 100
99 62.7 52.0 78.0
61 51.5 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. -0.013 min

Lab File: VL040616.D

Acq: 9 Aug 2023 22:02

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 223875

Ion Ratio Lower Upper

114 100

63 27.0 19.6 29.4

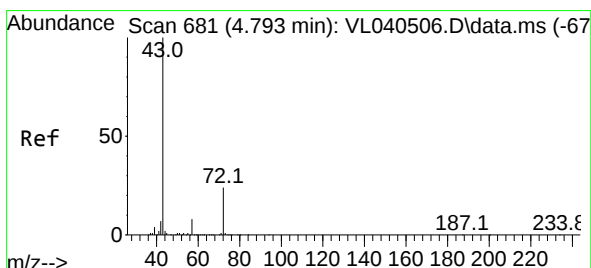
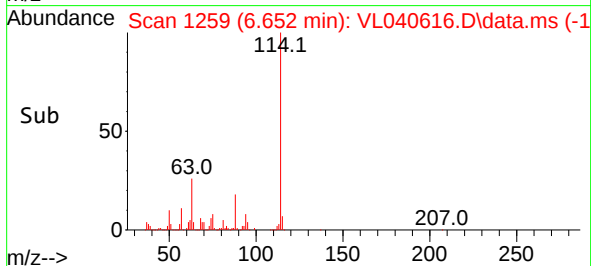
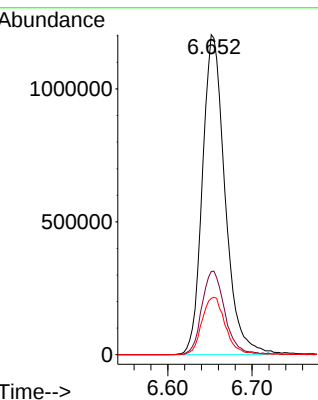
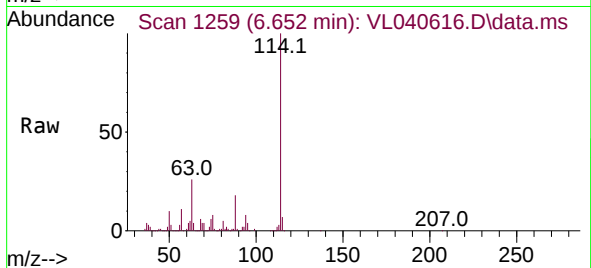
88 18.8 14.2 21.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#34

2-Butanone

Concen: 0.204 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.010 min

Lab File: VL040616.D

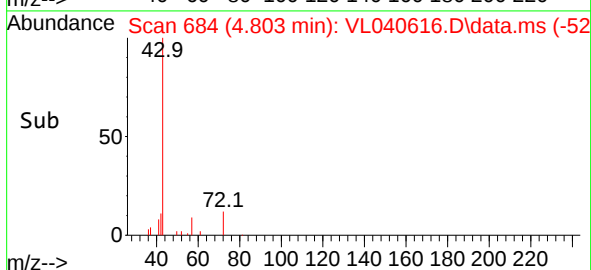
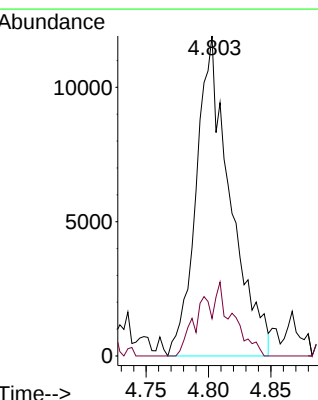
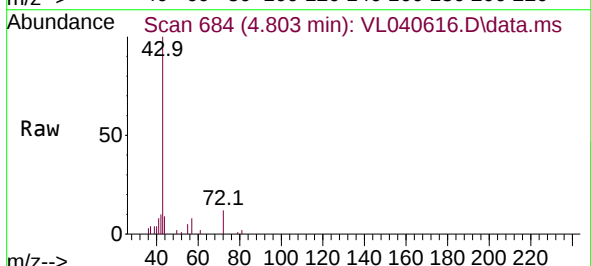
Acq: 9 Aug 2023 22:02

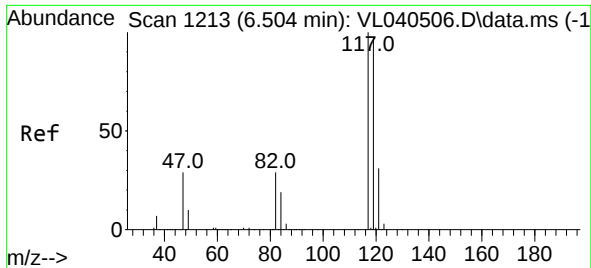
Tgt Ion: 43 Resp: 22617

Ion Ratio Lower Upper

43 100

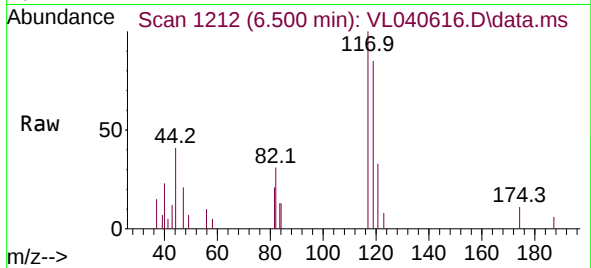
72 22.3 19.1 28.7





#35
Carbon Tetrachloride
Concen: 0.038 ppbv m
RT: 6.500 min Scan# 1172
Delta R.T. -0.003 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

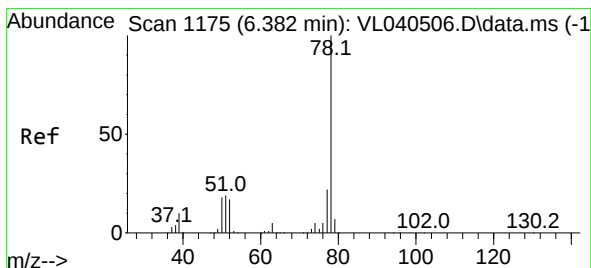
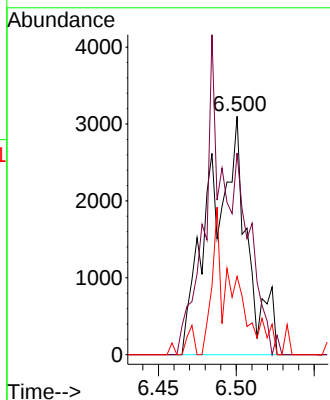
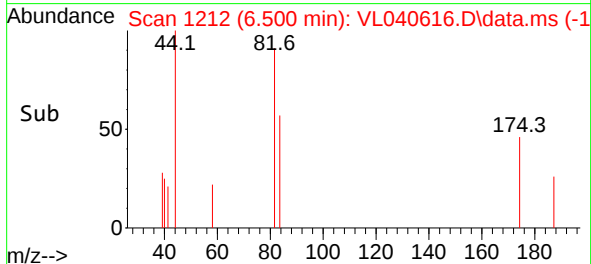
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:117 Resp: 5134
Ion Ratio Lower Upper
117 100
119 84.6 77.8 116.6
121 32.8 24.8 37.2

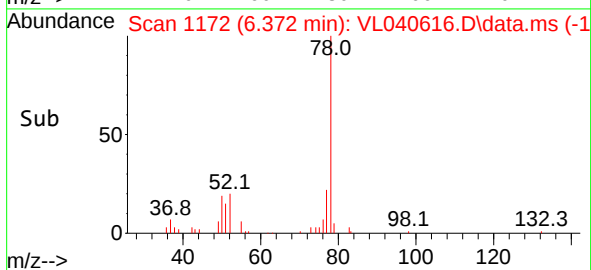
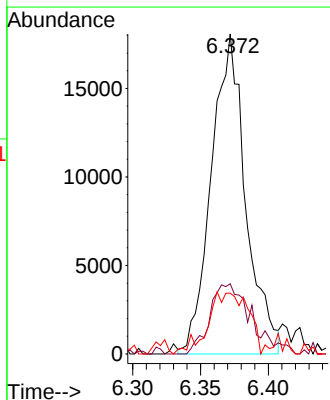
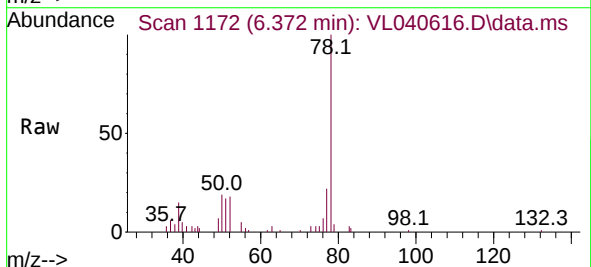
Manual Integrations
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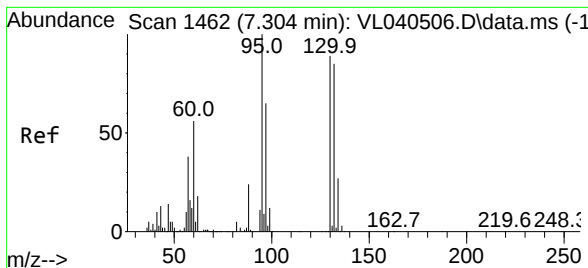
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#36
Benzene
Concen: 0.177 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.010 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

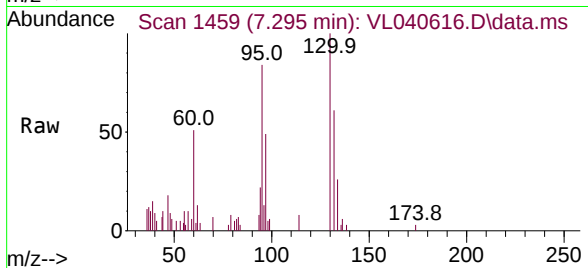
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Ion Ratio Lower Upper
78 100
77 22.2 17.4 26.0
50 17.8 14.4 21.6





#38
 Trichloroethene
 Concen: 0.137 ppbv m
 RT: 7.295 min Scan# 1459
 Delta R.T. -0.010 min
 Lab File: VL040616.D
 Acq: 9 Aug 2023 22:02

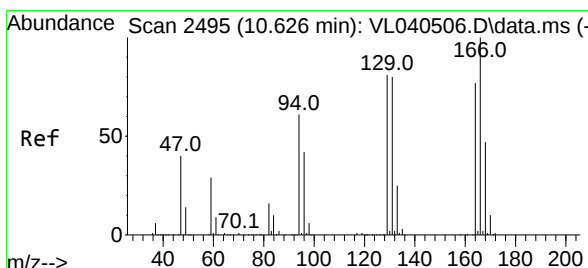
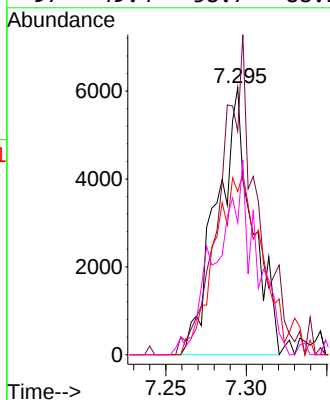
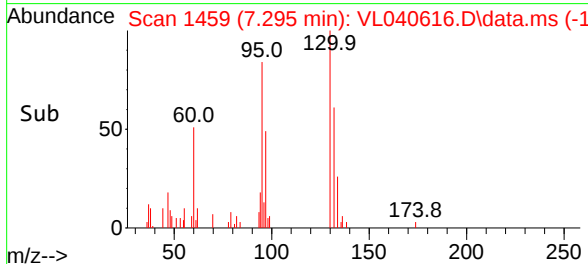
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



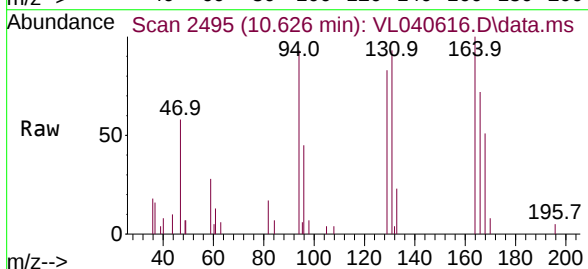
Tgt Ion:130 Resp: 932
 Ion Ratio Lower Upper
 130 100
 95 83.6 90.2 135.2
 132 61.0 76.3 114.5
 97 49.4 58.7 88.1#

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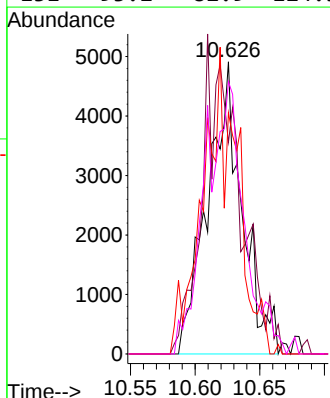
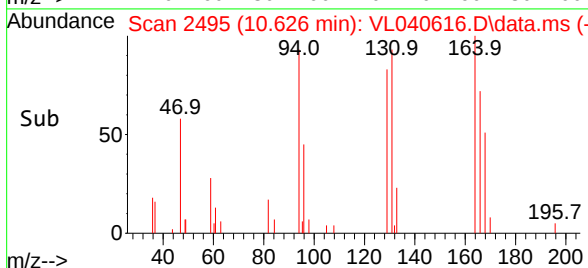
Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023

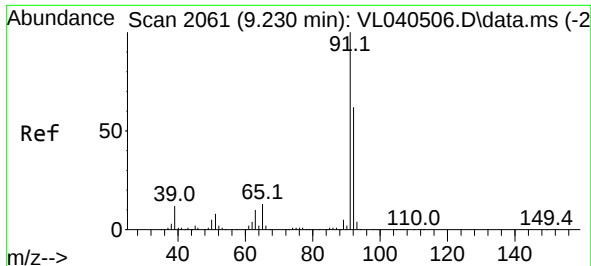


#52
 Tetrachloroethene
 Concen: 0.156 ppbv m
 RT: 10.626 min Scan# 2495
 Delta R.T. -0.000 min
 Lab File: VL040616.D
 Acq: 9 Aug 2023 22:02



Tgt Ion:164 Resp: 9100
 Ion Ratio Lower Upper
 164 100
 166 72.5 103.9 155.9#
 129 82.5 84.6 126.8#
 131 93.2 82.9 124.3





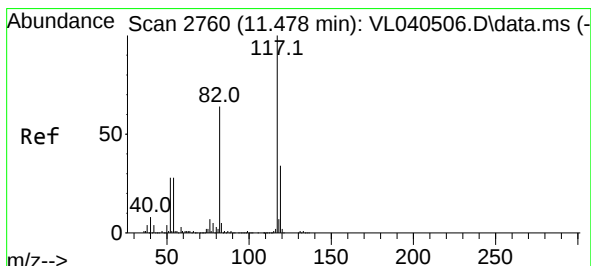
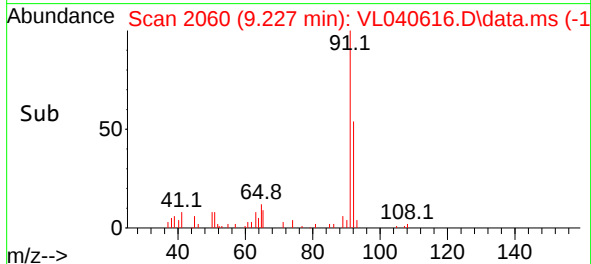
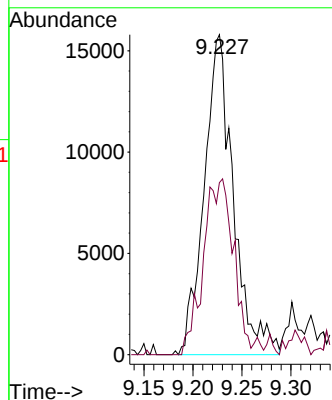
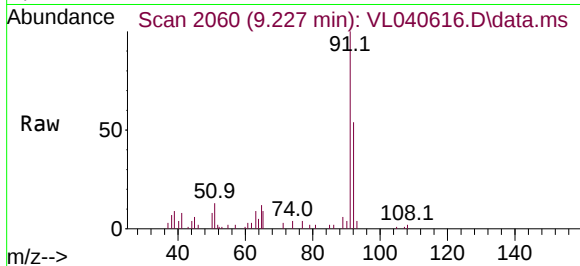
#53
Toluene
Concen: 0.167 ppbv m
RT: 9.227 min Scan# 2061
Delta R.T. -0.003 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 32670
Ion Ratio Lower Upper
91 100
92 57.8 49.1 73.7

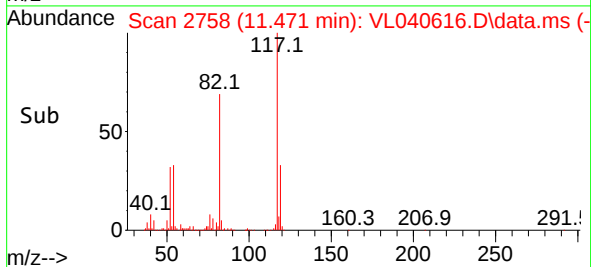
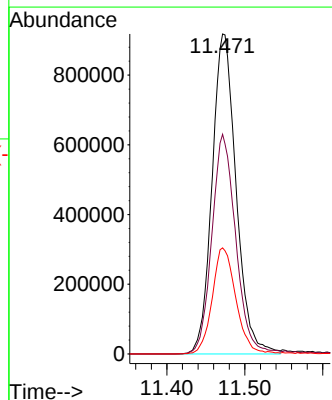
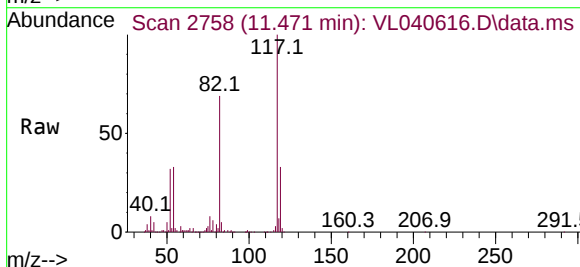
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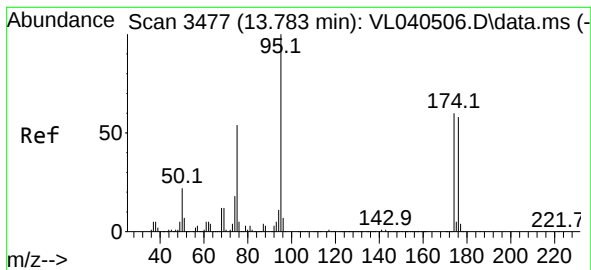
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. -0.006 min
Lab File: VL040616.D
Acq: 9 Aug 2023 22:02

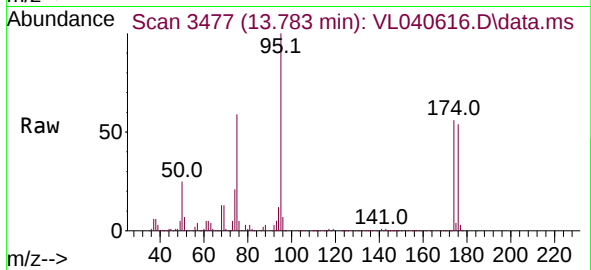
Tgt Ion:117 Resp: 1971475
Ion Ratio Lower Upper
117 100
82 69.5 50.2 75.4
119 33.1 26.9 40.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.491 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. -0.000 min
 Lab File: VL040616.D
 Acq: 9 Aug 2023 22:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 95 Resp: 1636834
 Ion Ratio Lower Upper
 95 100
 174 58.5 50.6 75.8
 175 4.3 3.7 5.5

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023

