

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040609.D
 Acq On : 9 Aug 2023 17:16
 Operator : SY/MD
 Sample : 03907-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 10 01:30:06 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	5.192	49	1022740	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.658	114	2504527	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2168990	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 1768126 10.300 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
9) Propene	2.681	41	528029	9.514	ppbv	95
10) Heptane	7.581	43	32533m	0.265	ppbv	
13) Ethanol	3.247	45	51655m	4.278	ppbv	
15) Acetone	3.468	43	483662m	4.108	ppbv	
17) tert-Butyl alcohol	3.890	59	62119	0.510	ppbv	95
20) Methylene Chloride	3.928	84	1303672	26.034	ppbv	100
26) Hexane	5.211	57	1269875	12.196	ppbv #	41
27) Carbon Disulfide	4.121	76	64715	0.528	ppbv	97
34) 2-Butanone	4.796	43	109112	0.882	ppbv	99
36) Benzene	6.375	78	53461m	0.265	ppbv	
38) Trichloroethene	7.298	130	84237	1.105	ppbv	97
50) 4-Methyl-2-Pentanone	8.208	43	95338m	0.530	ppbv	
51) 2-Hexanone	9.584	43	17866m	0.141	ppbv	
52) Tetrachloroethene	10.629	164	1888749	28.942	ppbv	95
53) Toluene	9.227	91	51929m	0.237	ppbv	
59) m/p-Xylene	12.352	91	29296m	0.121	ppbv	

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

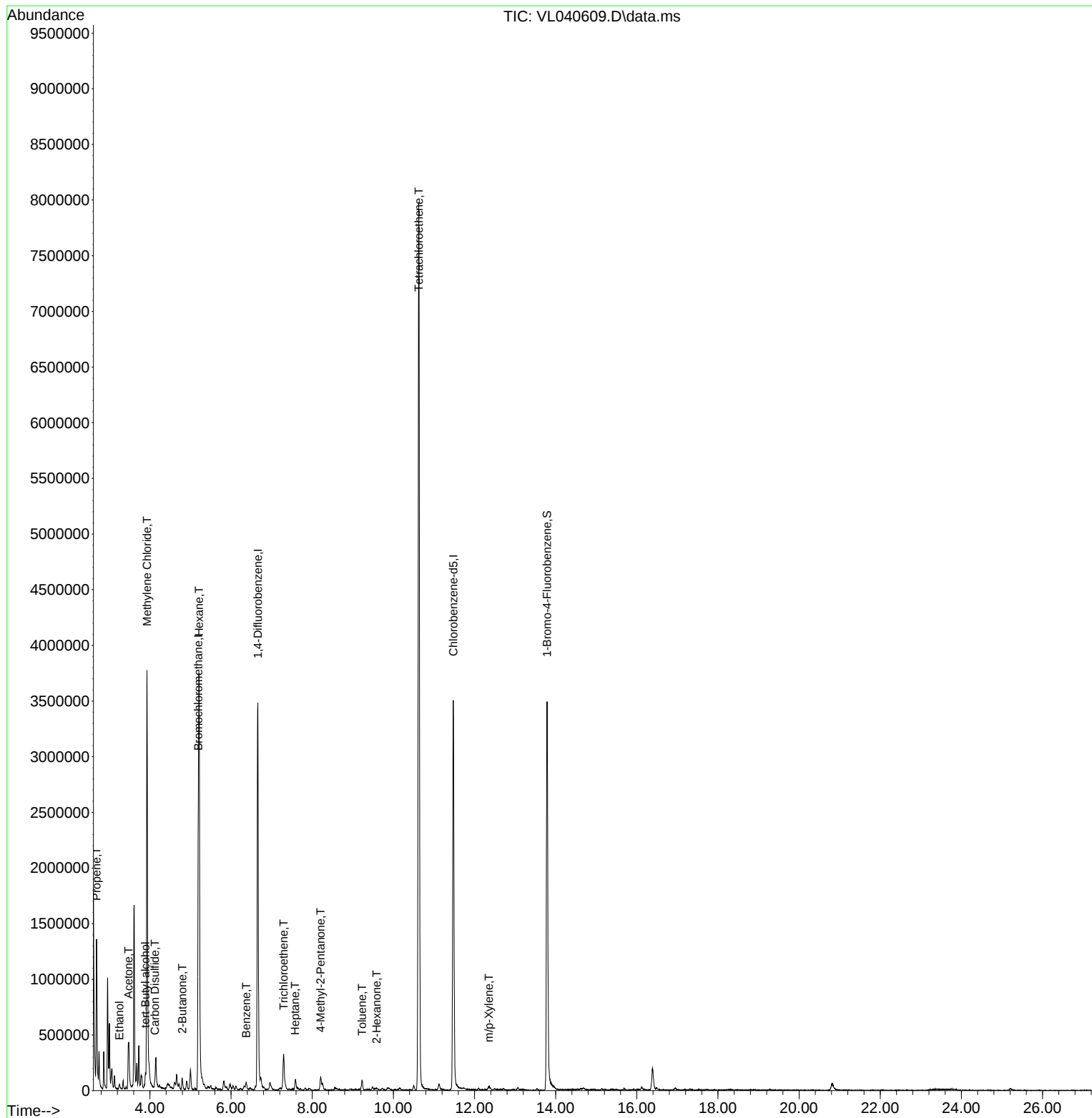
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
Data File : VL040609.D
Acq On : 9 Aug 2023 17:16
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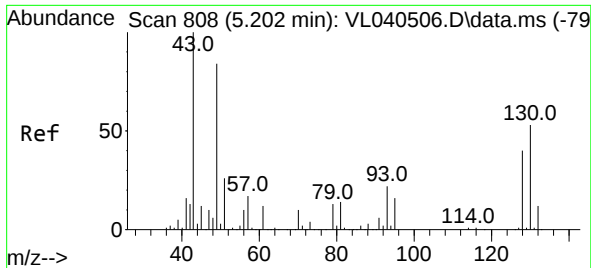
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Quant Time: Aug 10 01:30:06 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

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Supervised By : Mahesh Dadoda 08/10/2023





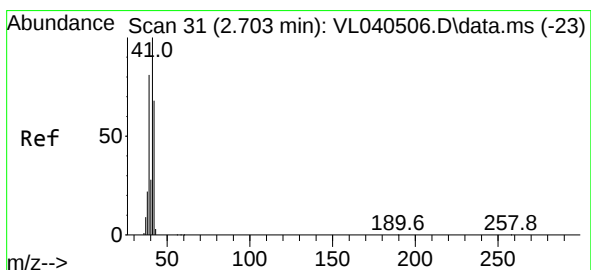
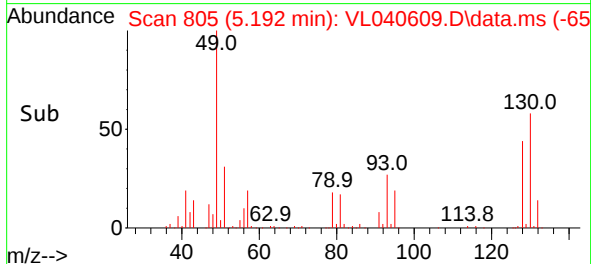
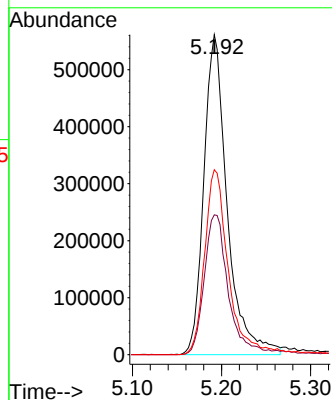
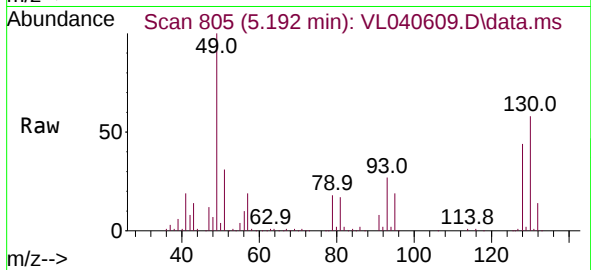
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 49 Resp: 1022740
Ion Ratio Lower Upper
49 100
128 46.2 25.1 75.4
130 60.2 31.6 94.7

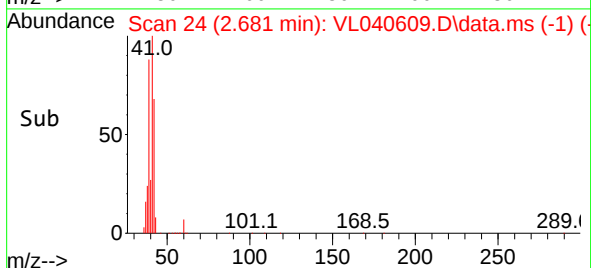
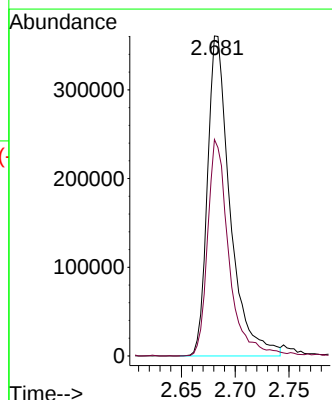
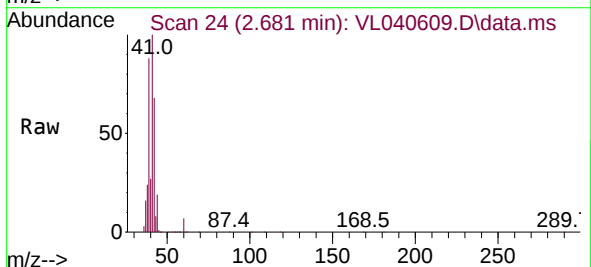
Manual Integrations
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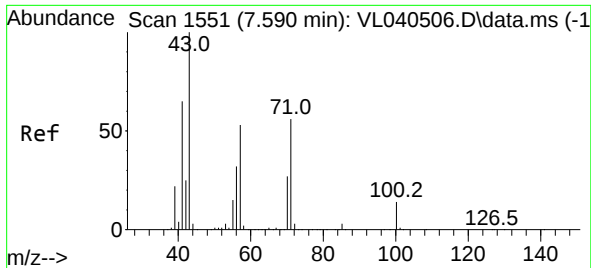
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#9
Propene
Concen: 9.514 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.023 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

Tgt Ion: 41 Resp: 528029
Ion Ratio Lower Upper
41 100
42 64.5 55.0 82.6





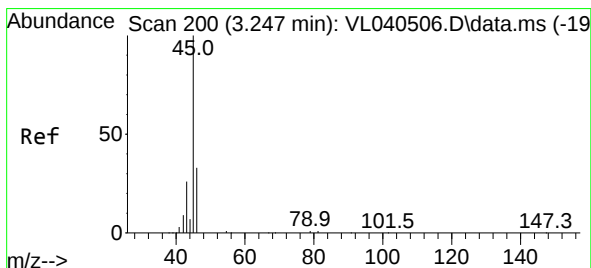
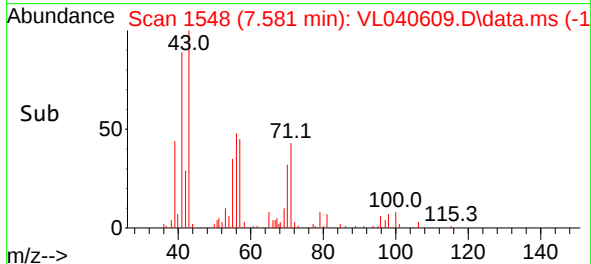
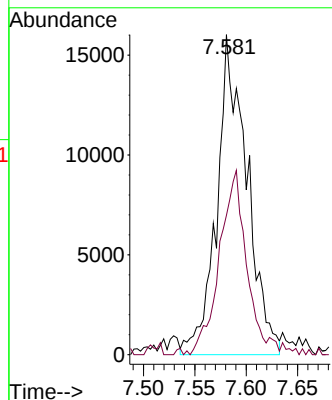
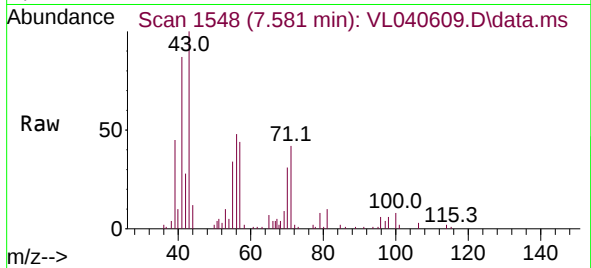
#10
Heptane
Concen: 0.265 ppbv m
RT: 7.581 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 43 Resp: 3253
Ion Ratio Lower Upper
43 100
57 0.0 42.5 63.7

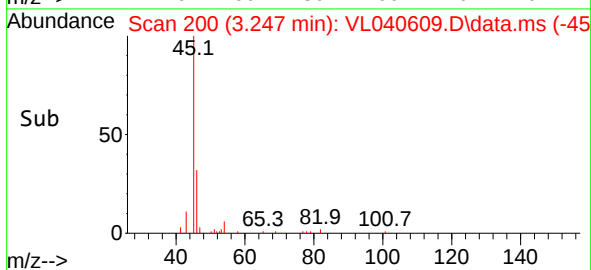
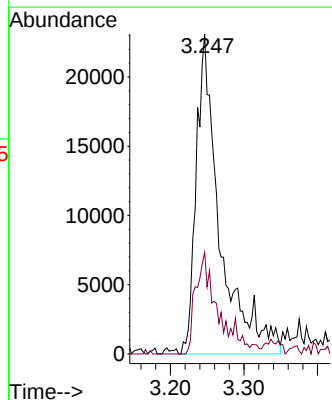
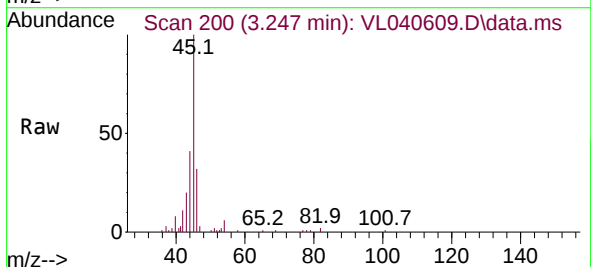
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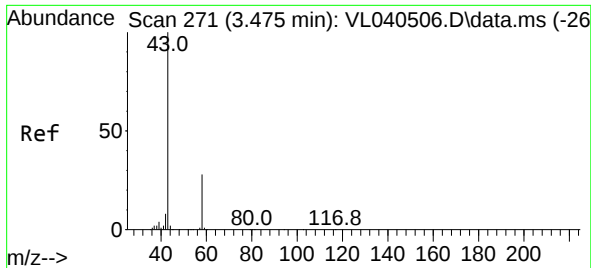
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#13
Ethanol
Concen: 4.278 ppbv m
RT: 3.247 min Scan# 200
Delta R.T. -0.000 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

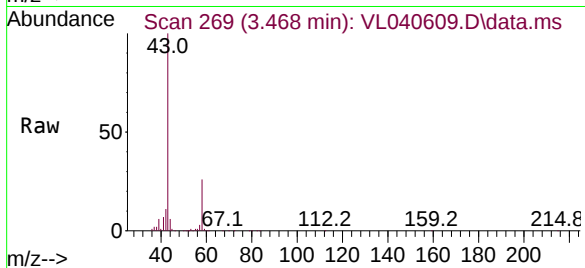
Tgt Ion: 45 Resp: 51655
Ion Ratio Lower Upper
45 100
46 30.0 15.3 61.1





#15
Acetone
Concen: 4.108 ppbv m
RT: 3.468 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

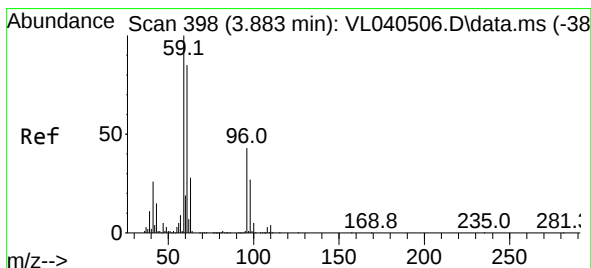
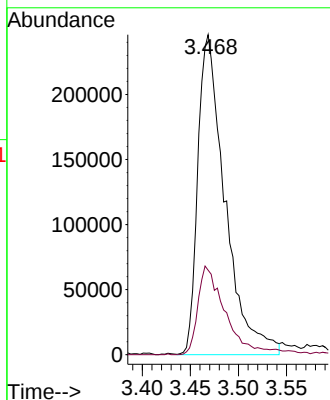
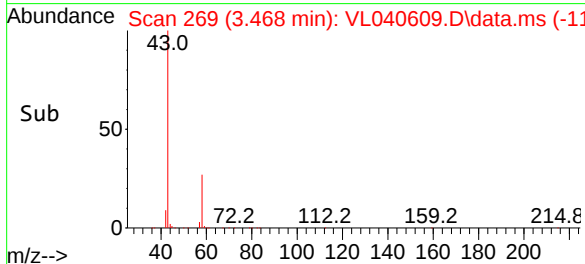
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



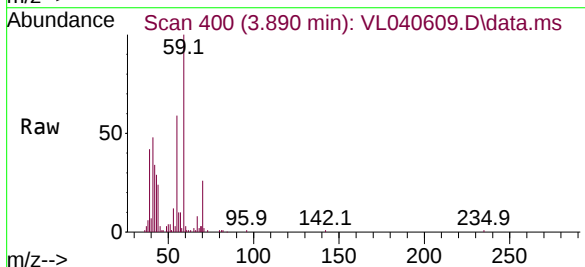
Tgt Ion: 43 Resp: 483662
Ion Ratio Lower Upper
43 100
58 29.6 22.9 34.3

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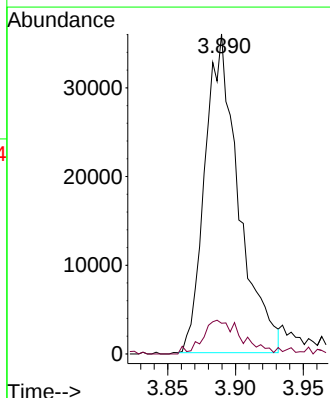
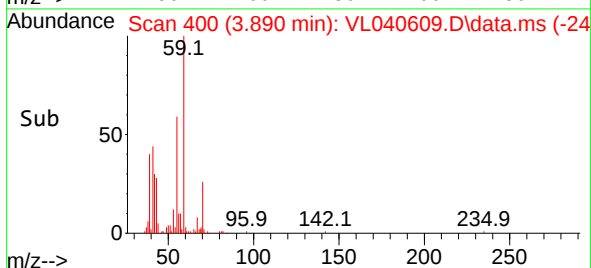
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

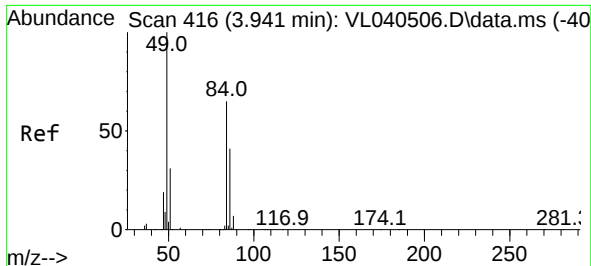


#17
tert-Butyl alcohol
Concen: 0.510 ppbv
RT: 3.890 min Scan# 400
Delta R.T. 0.006 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16



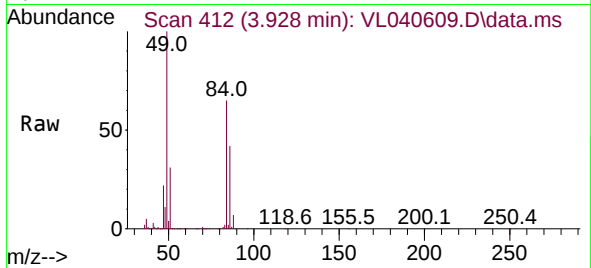
Tgt Ion: 59 Resp: 62119
Ion Ratio Lower Upper
59 100
57 12.9 8.7 13.1





#20
Methylene Chloride
Concen: 26.034 ppbv
RT: 3.928 min Scan# 416
Delta R.T. -0.013 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

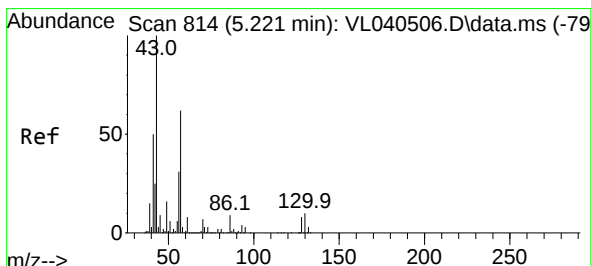
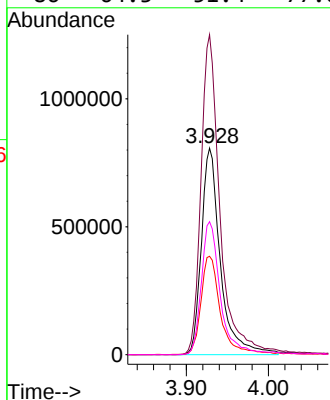
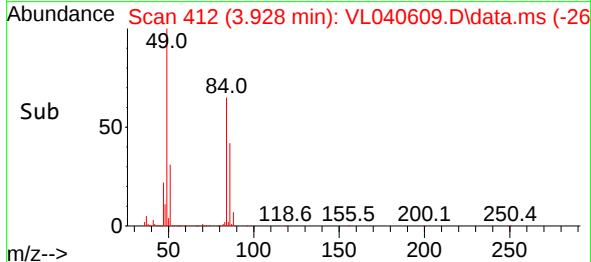
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



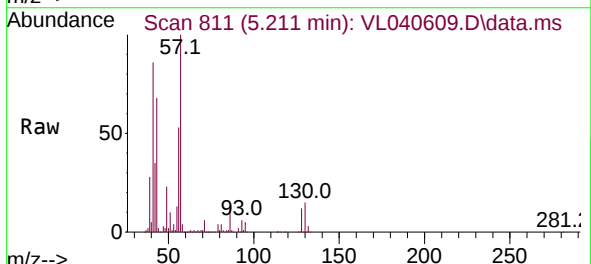
Tgt Ion: 84 Resp: 1303672
Ion Ratio Lower Upper
84 100
49 154.8 123.4 185.2
51 47.4 38.3 57.5
86 64.3 51.4 77.0

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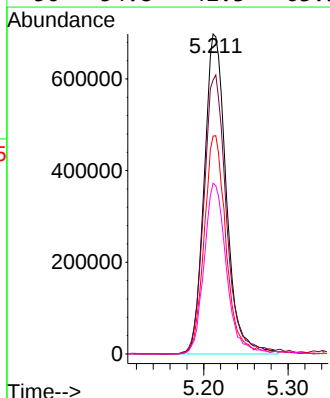
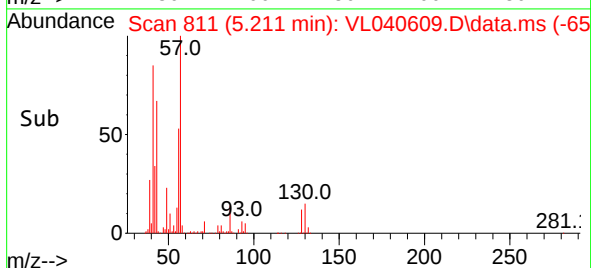
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

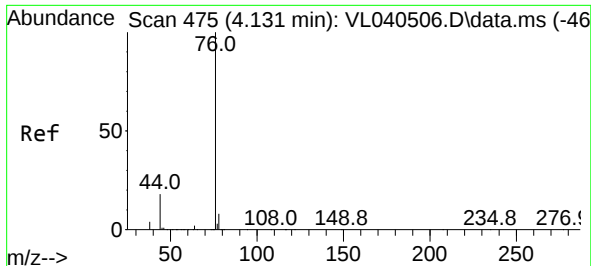


#26
Hexane
Concen: 12.196 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16



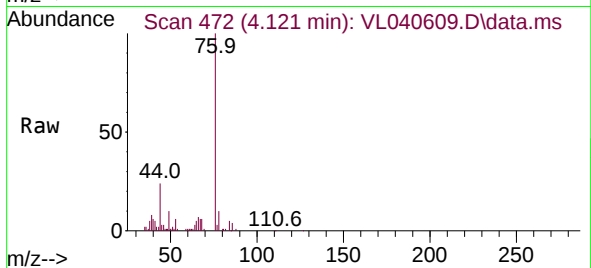
Tgt Ion: 57 Resp: 1269875
Ion Ratio Lower Upper
57 100
41 90.6 69.5 104.3
43 68.7 177.1 265.7#
56 54.8 42.3 63.5





#27
Carbon Disulfide
Concen: 0.528 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

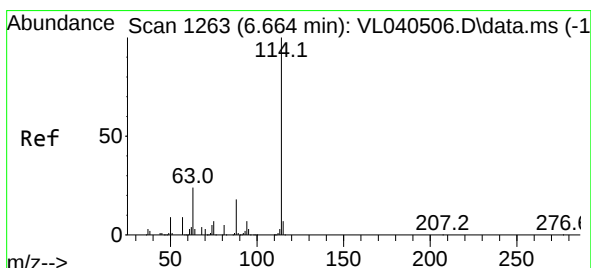
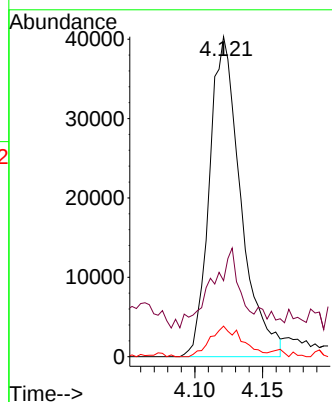
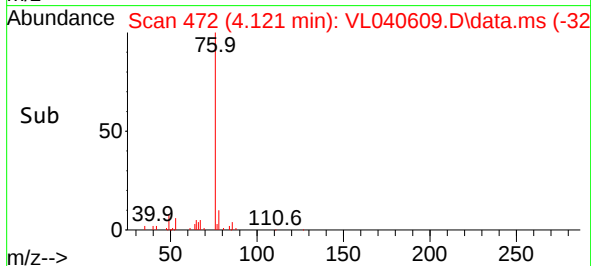
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



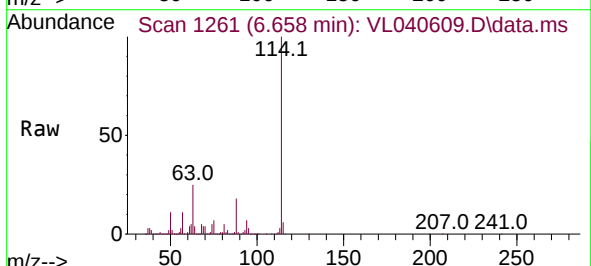
Tgt Ion: 76 Resp: 64715
Ion Ratio Lower Upper
76 100
44 17.5 15.1 22.7
78 10.9 7.5 11.3

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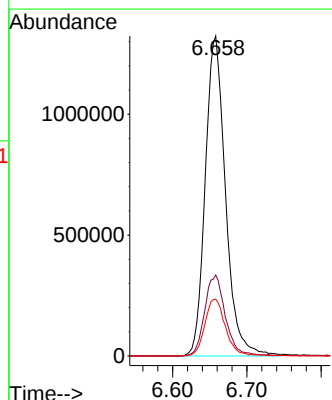
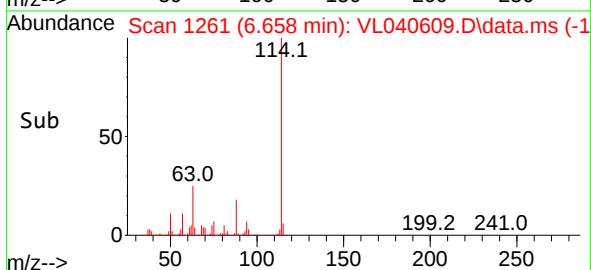
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

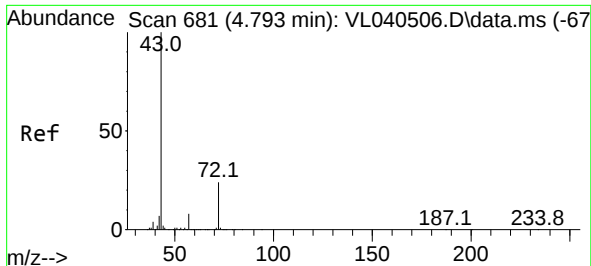


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16



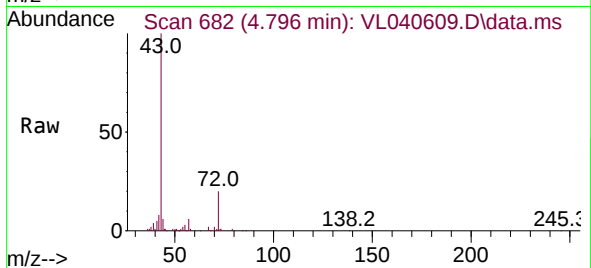
Tgt Ion:114 Resp: 2504527
Ion Ratio Lower Upper
114 100
63 26.2 19.6 29.4
88 18.3 14.2 21.2





#34
2-Butanone
Concen: 0.882 ppbv
RT: 4.796 min Scan# 681
Delta R.T. 0.003 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

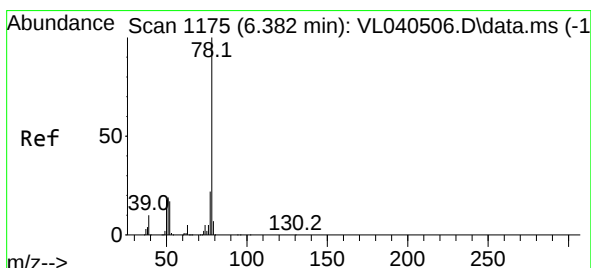
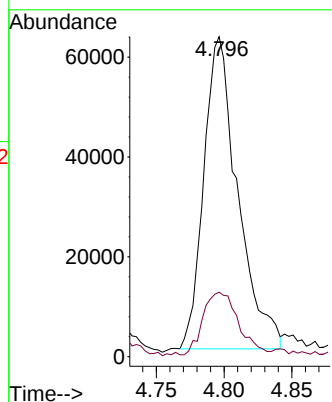
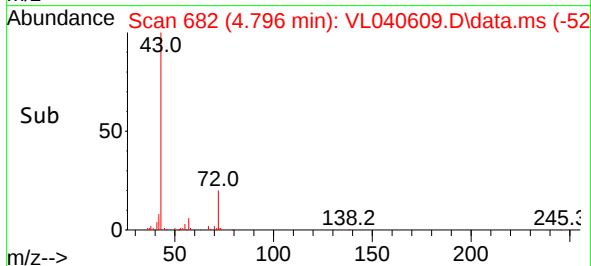
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



Tgt Ion: 43 Resp: 10911
Ion Ratio Lower Upper
43 100
72 23.4 19.1 28.7

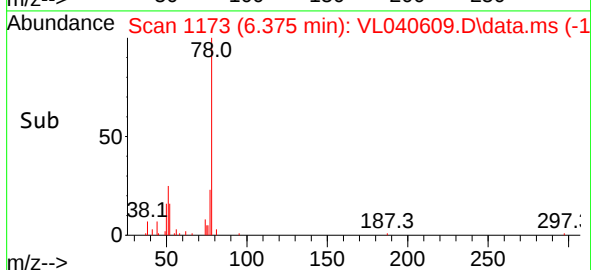
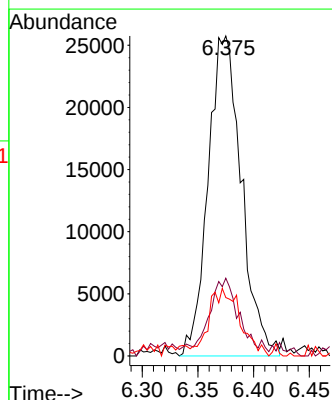
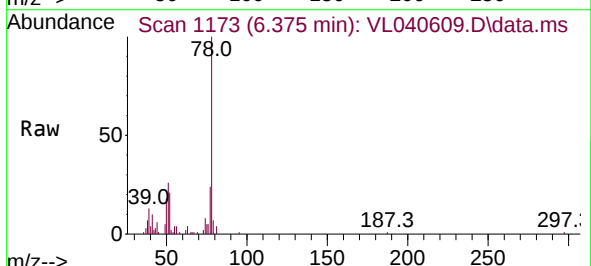
Manual Integrations
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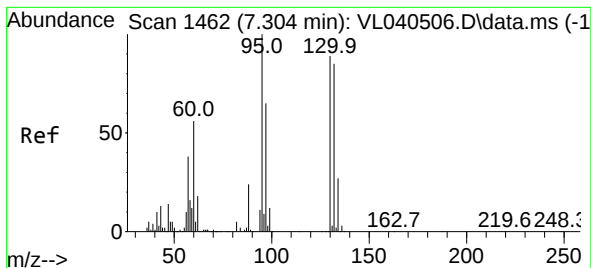
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#36
Benzene
Concen: 0.265 ppbv m
RT: 6.375 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

Tgt Ion: 78 Resp: 53461
Ion Ratio Lower Upper
78 100
77 24.3 17.4 26.0
50 18.3 14.4 21.6





#38

Trichloroethene

Concen: 1.105 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VL040609.D

Acq: 9 Aug 2023 17:16

Instrument :

MSVOA_L

ClientSampleId :

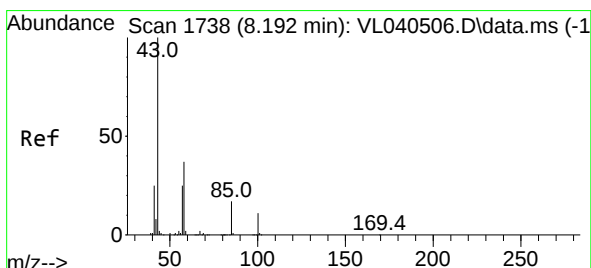
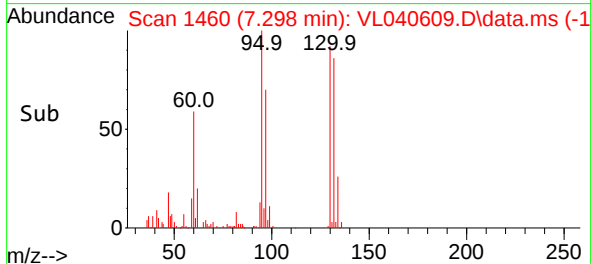
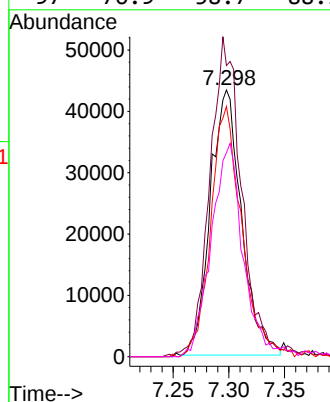
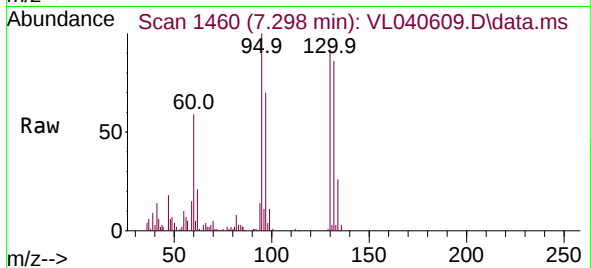
SV-2DL

Tgt Ion:	130	Resp:	8423
Ion Ratio	Lower	Upper	
130	100		
95	108.1	90.2	135.2
132	94.4	76.3	114.5
97	76.9	58.7	88.1

Manual Integrations

APPROVED

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



#50

4-Methyl-2-Pentanone

Concen: 0.530 ppbv m

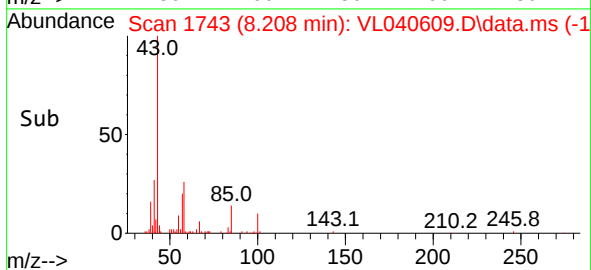
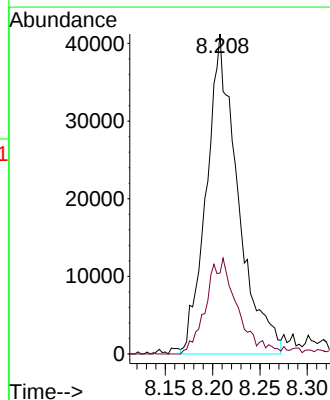
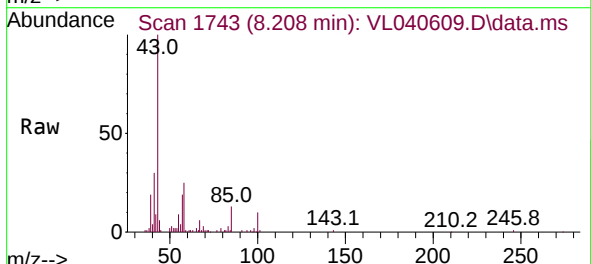
RT: 8.208 min Scan# 1743

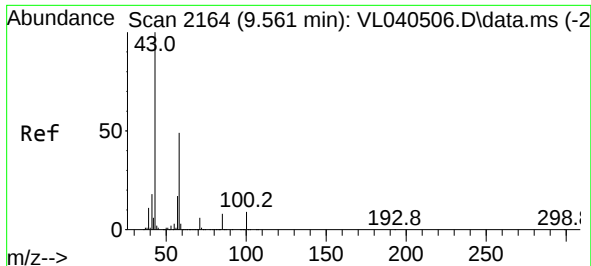
Delta R.T. 0.016 min

Lab File: VL040609.D

Acq: 9 Aug 2023 17:16

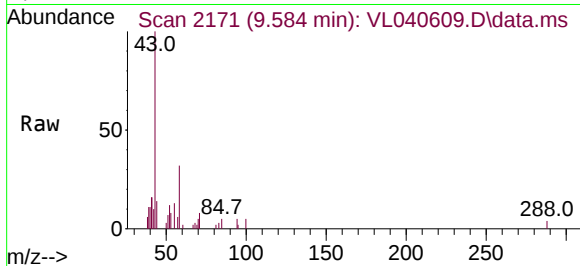
Tgt Ion:	43	Resp:	95338
Ion Ratio	Lower	Upper	
43	100		
58	30.2	30.2	45.2





#51
2-Hexanone
Concen: 0.141 ppbv m
RT: 9.584 min Scan# 2164
Delta R.T. 0.023 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

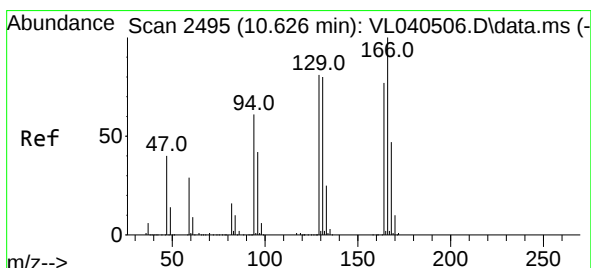
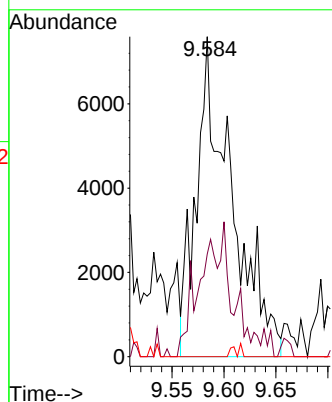
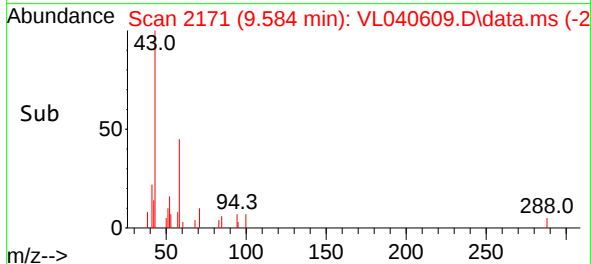
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5
98 0.0 0.3 0.5

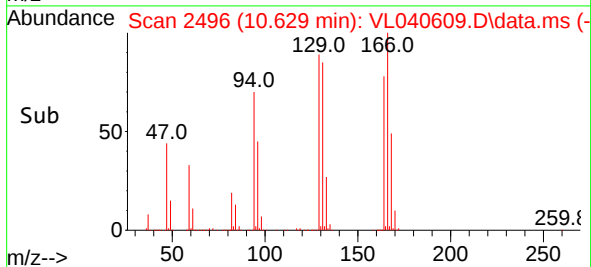
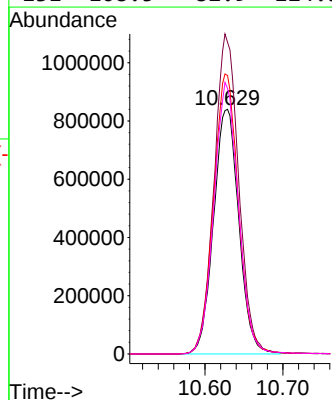
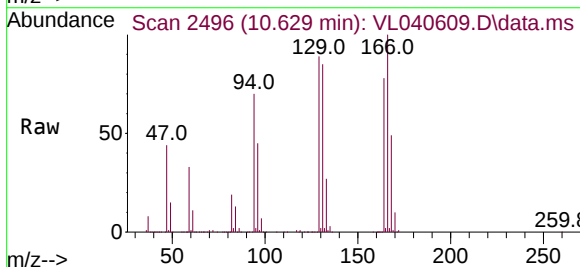
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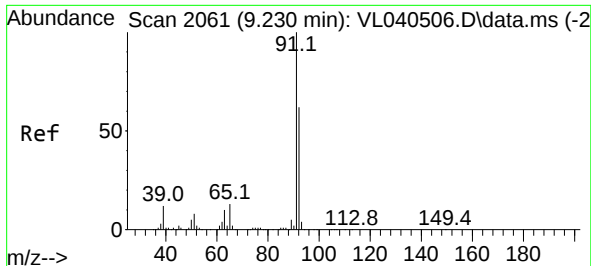
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#52
Tetrachloroethene
Concen: 28.942 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

Tgt Ion:164 Resp: 1888749
Ion Ratio Lower Upper
164 100
166 127.4 103.9 155.9
129 113.7 84.6 126.8
131 108.5 82.9 124.3





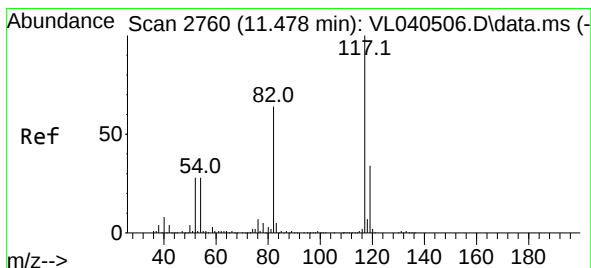
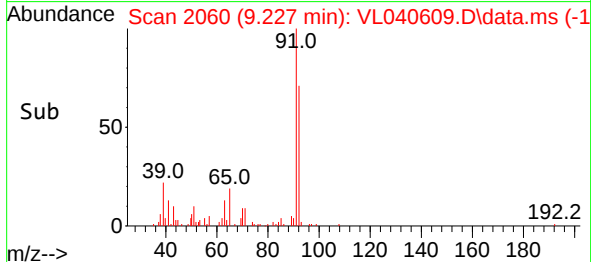
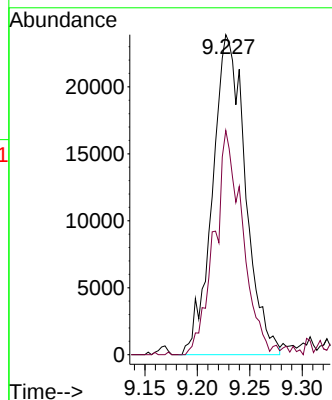
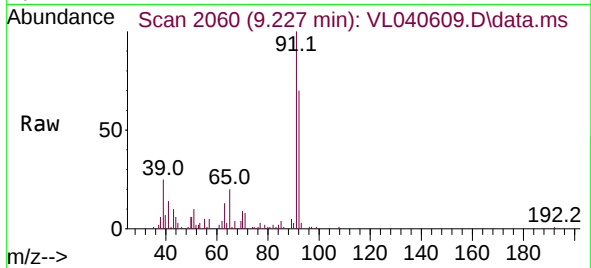
#53
Toluene
Concen: 0.237 ppbv m
RT: 9.227 min Scan# 2061
Delta R.T. -0.003 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 91 Resp: 51929
Ion Ratio Lower Upper
91 100
92 61.5 49.1 73.7

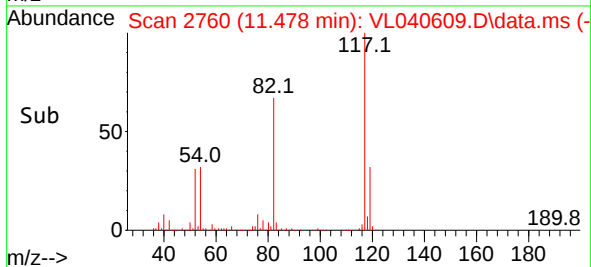
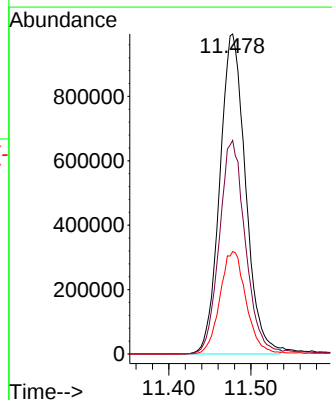
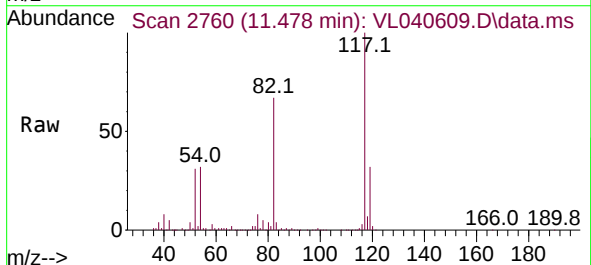
Manual Integrations
APPROVED

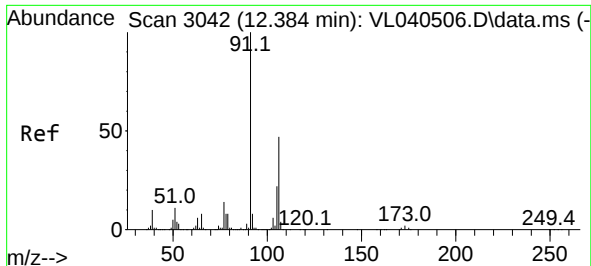
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.000 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

Tgt Ion:117 Resp: 2168990
Ion Ratio Lower Upper
117 100
82 68.8 50.2 75.4
119 33.2 26.9 40.3





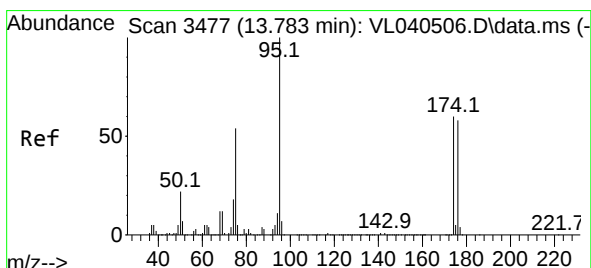
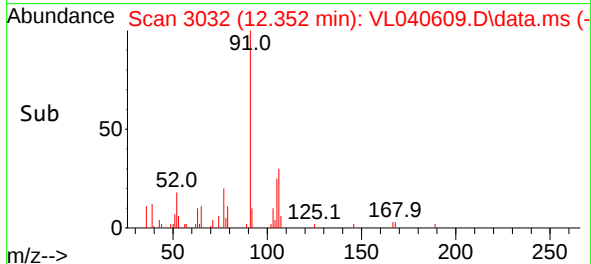
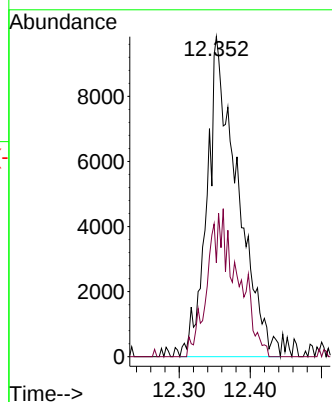
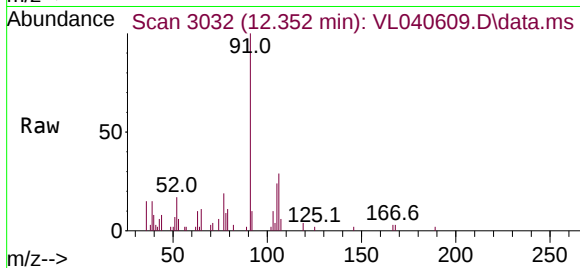
#59
m/p-Xylene
Concen: 0.121 ppbv m
RT: 12.352 min Scan# 3042
Delta R.T. -0.032 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 91 Resp: 29290
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.300 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. 0.006 min
Lab File: VL040609.D
Acq: 9 Aug 2023 17:16

Tgt Ion: 95 Resp: 1768126
Ion Ratio Lower Upper
95 100
174 58.9 50.6 75.8
175 4.2 3.7 5.5

