

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041638.D
 Acq On : 10 Oct 2024 12:10
 Operator : SY/MD
 Sample : P4339-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024

Quant Time: Oct 11 05:38:58 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1214210	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3324588	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3004462	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2311429 10.451 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.500%

Target Compounds

						Qvalue
9) Propene	2.671	41	1107963	17.836	ppbv	93
10) Heptane	7.568	43	160597	1.104	ppbv	95
13) Ethanol	3.237	45	54745	11.722	ppbv	94
15) Acetone	3.449	43	1067399	7.002	ppbv	94
16) 1,3-Butadiene	2.944	39	462931	6.244	ppbv #	32
17) tert-Butyl alcohol	3.877	59	100515m	0.750	ppbv	
20) Methylene Chloride	3.918	84	60250	1.052	ppbv	92
26) Hexane	5.198	57	127770	1.120	ppbv #	40
27) Carbon Disulfide	4.105	76	32813	0.270	ppbv #	98
30) Cyclohexane	6.587	84	9909m	0.113	ppbv	
34) 2-Butanone	4.777	43	255536	1.612	ppbv	91
36) Benzene	6.356	78	128157	0.555	ppbv #	92
44) 2,2,4-Trimethylpentane	7.311	57	38214m	0.096	ppbv	
50) 4-Methyl-2-Pentanone	8.192	43	59520m	0.243	ppbv	
52) Tetrachloroethene	10.603	164	40654m	0.486	ppbv	
53) Toluene	9.211	91	515266	2.102	ppbv	98
58) Ethyl Benzene	12.079	91	181302	0.564	ppbv	97
59) m/p-Xylene	12.333	91	475547	1.661	ppbv	97
60) o-Xylene	13.047	91	126472m	0.461	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	48724m	0.147	ppbv	

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

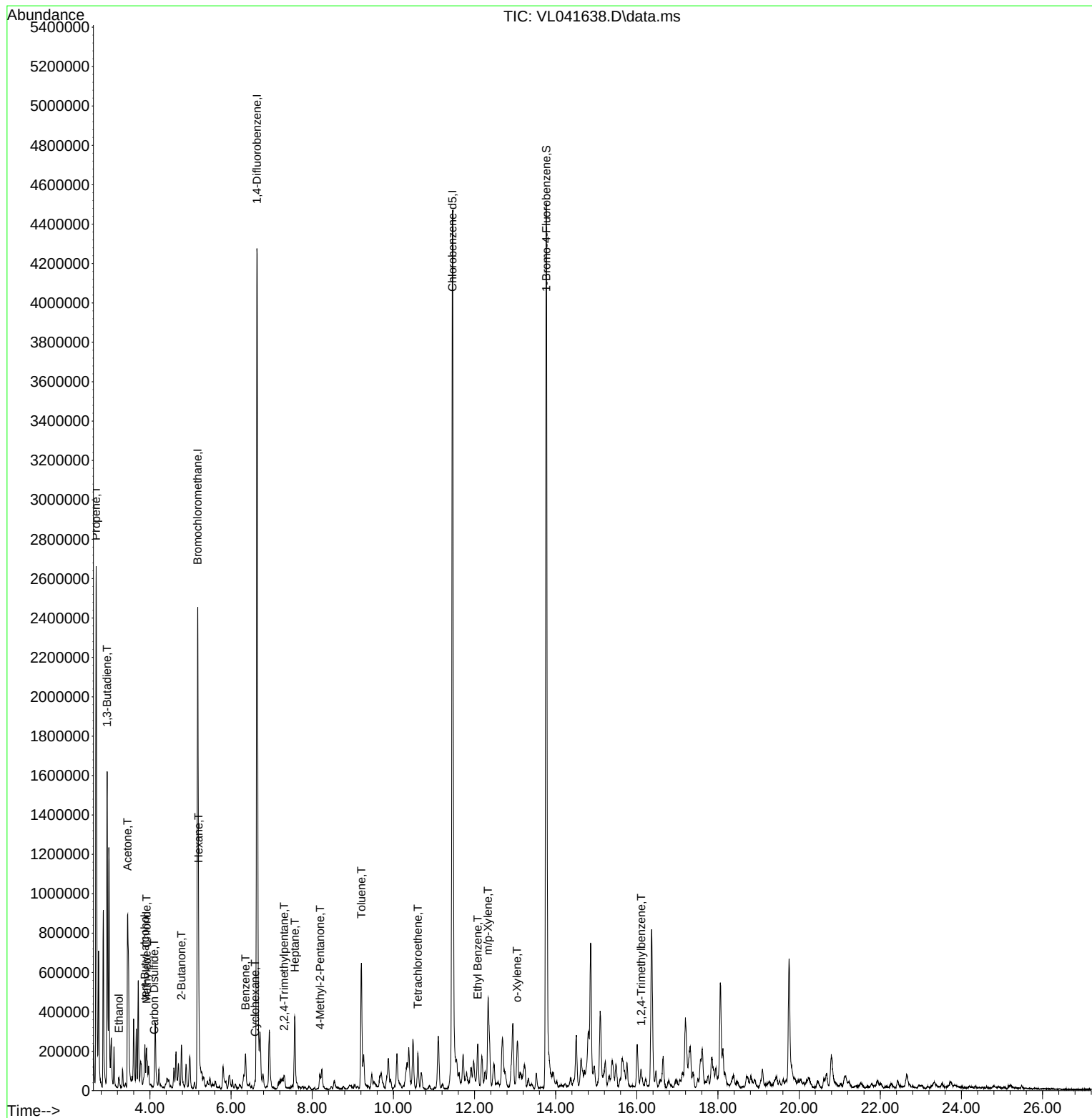
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
Data File : VL041638.D
Acq On : 10 Oct 2024 12:10
Operator : SY/MD
Sample : P4339-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

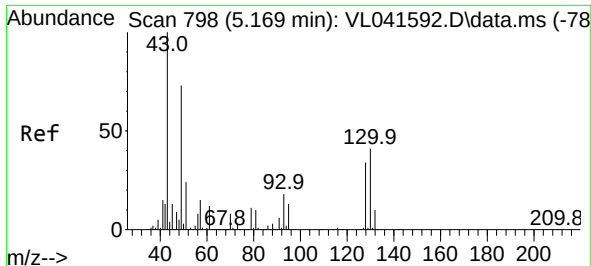
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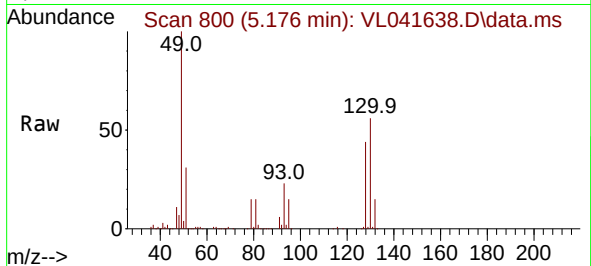
Quant Time: Oct 11 05:38:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

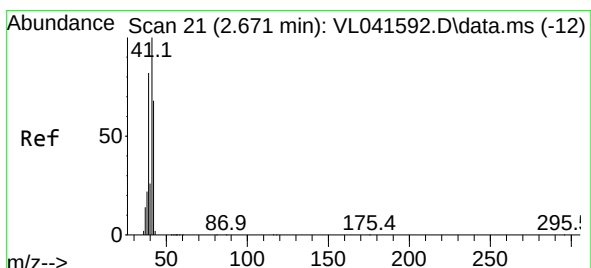
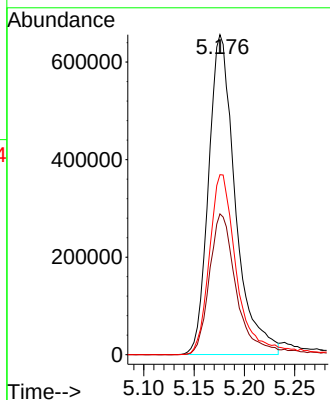
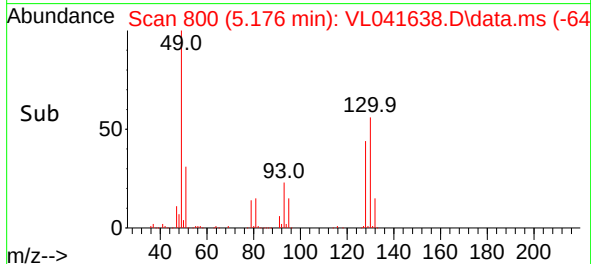
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



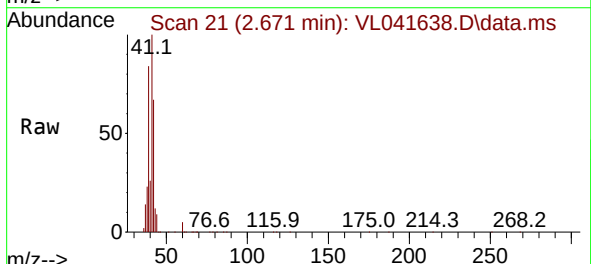
Tgt Ion: 49 Resp: 1214210
Ion Ratio Lower Upper
49 100
128 46.7 23.8 71.5
130 59.2 30.4 91.3

Manual Integrations
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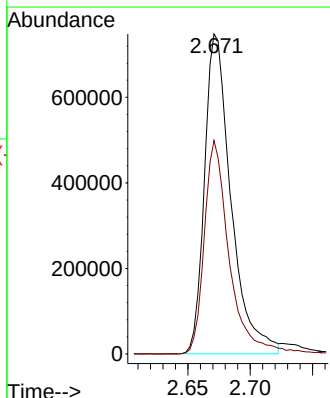
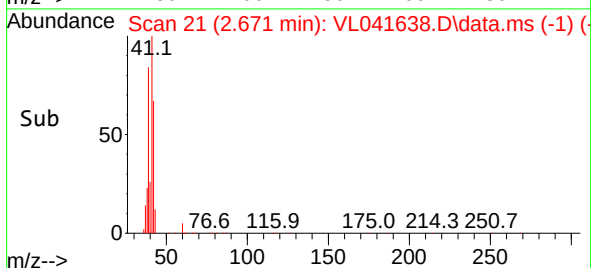
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024

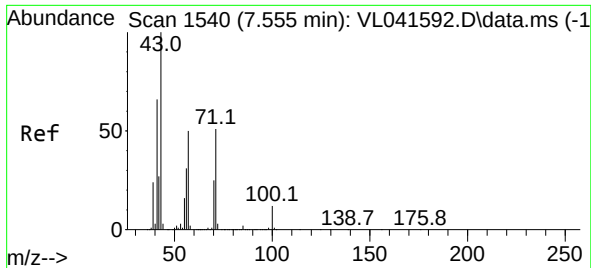


#9
Propene
Concen: 17.836 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10



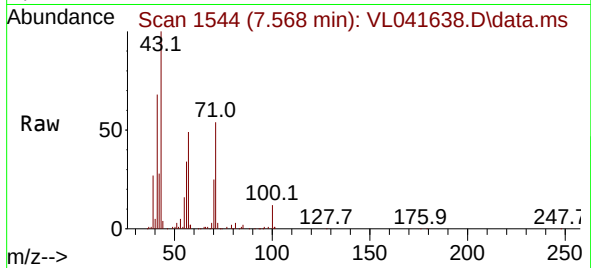
Tgt Ion: 41 Resp: 1107963
Ion Ratio Lower Upper
41 100
42 63.2 55.2 82.8





#10
Heptane
Concen: 1.104 ppbv
RT: 7.568 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

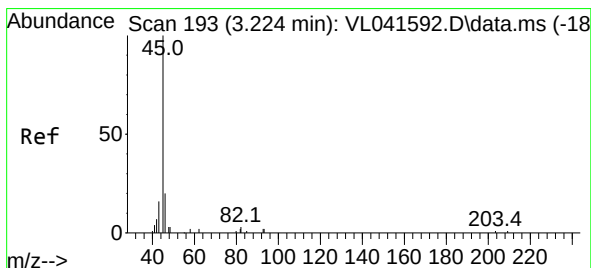
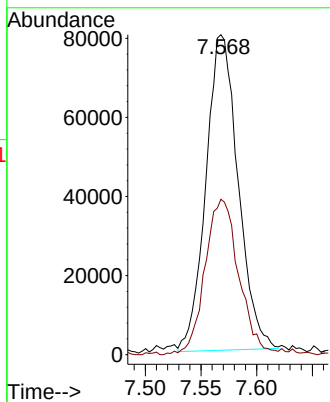
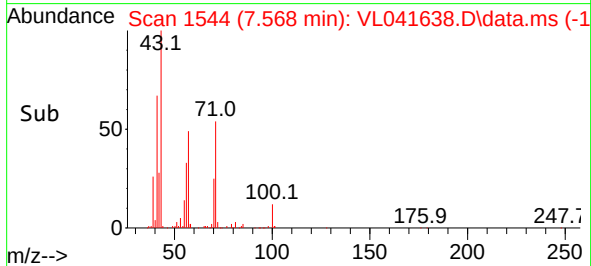
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 16059
Ion Ratio Lower Upper
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57 52.9 39.8 59.8

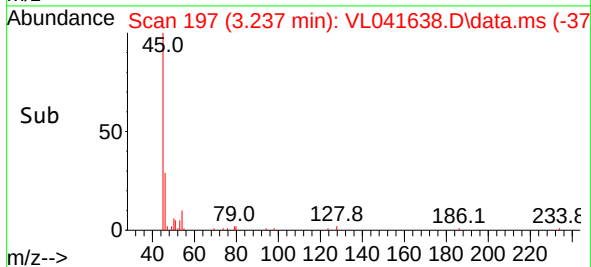
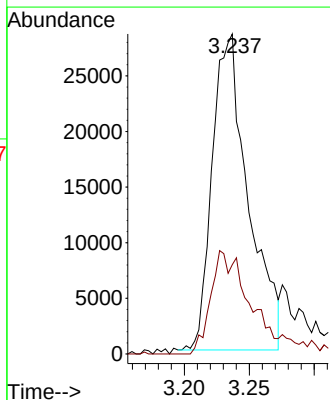
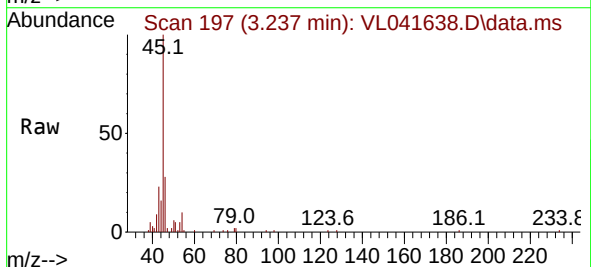
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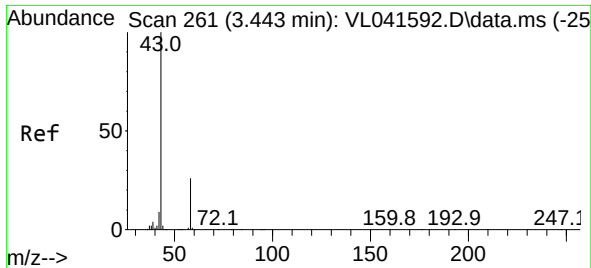
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#13
Ethanol
Concen: 11.722 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.013 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

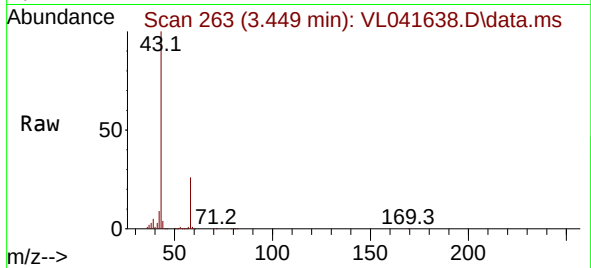
Tgt Ion: 45 Resp: 54745
Ion Ratio Lower Upper
45 100
46 41.7 15.2 60.8





#15
Acetone
Concen: 7.002 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

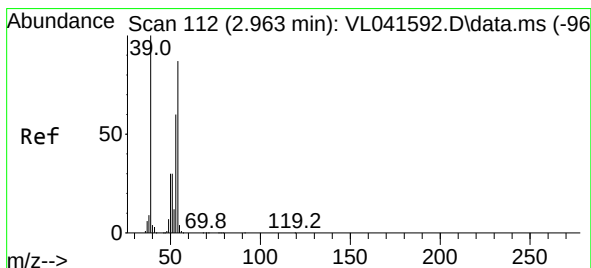
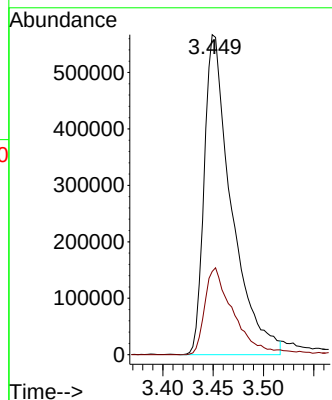
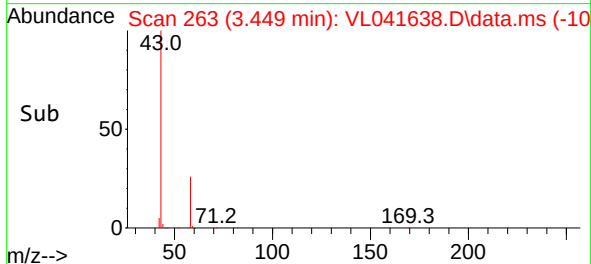
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 1067399
Ion Ratio Lower Upper
43 100
58 30.1 21.5 32.3

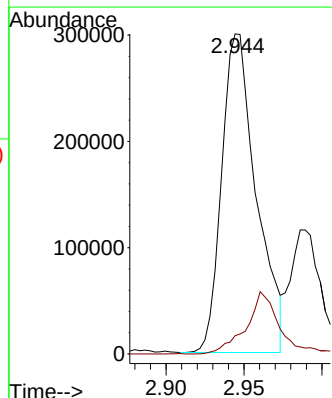
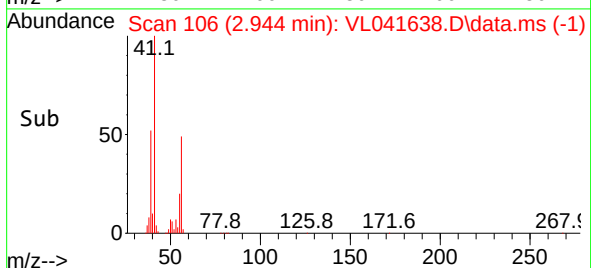
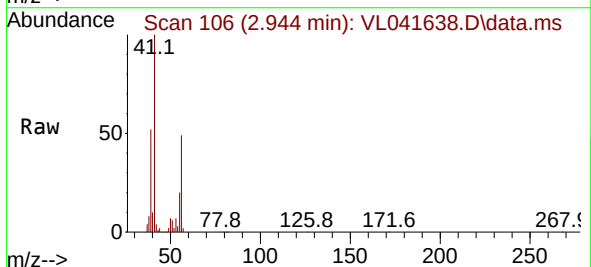
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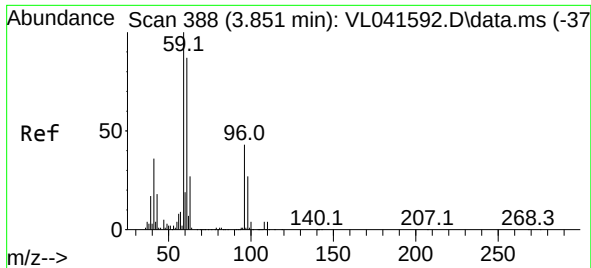
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#16
1,3-Butadiene
Concen: 6.244 ppbv
RT: 2.944 min Scan# 106
Delta R.T. -0.019 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

Tgt Ion: 39 Resp: 462931
Ion Ratio Lower Upper
39 100
54 18.9 62.9 94.3#





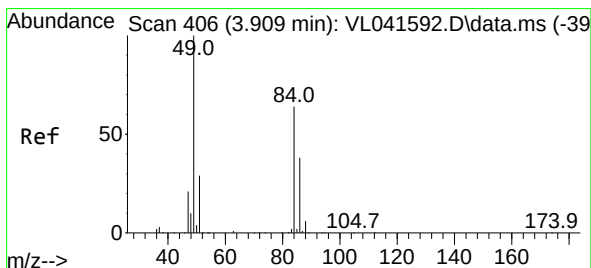
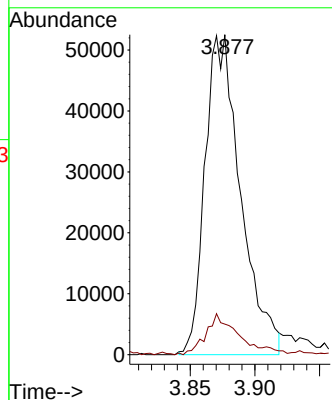
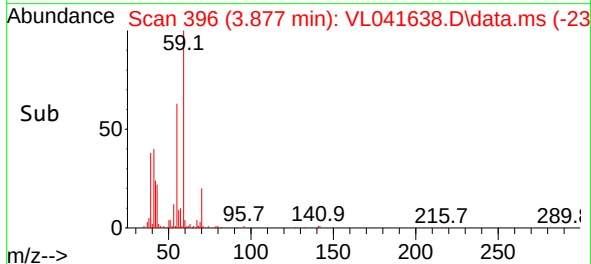
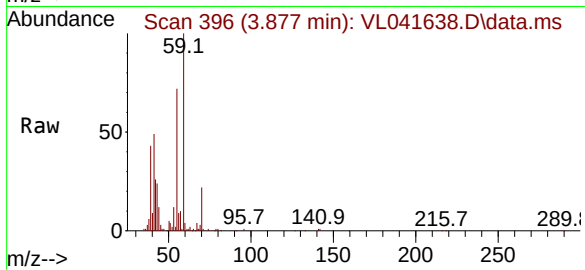
#17
tert-Butyl alcohol
Concen: 0.750 ppbv m
RT: 3.877 min Scan# 396
Delta R.T. 0.026 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 59 Resp: 10051
Ion Ratio Lower Upper
59 100
57 12.7 8.7 13.1

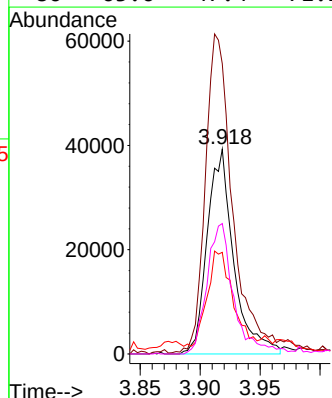
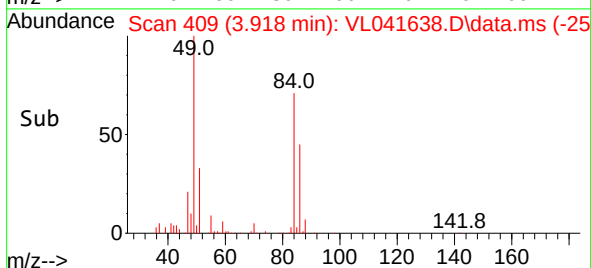
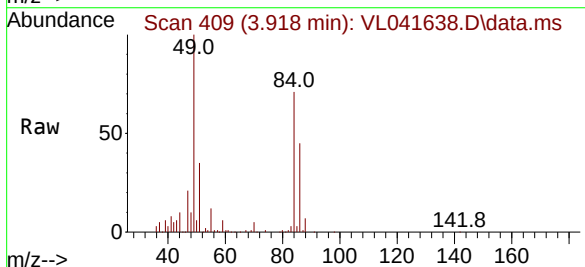
Manual Integrations
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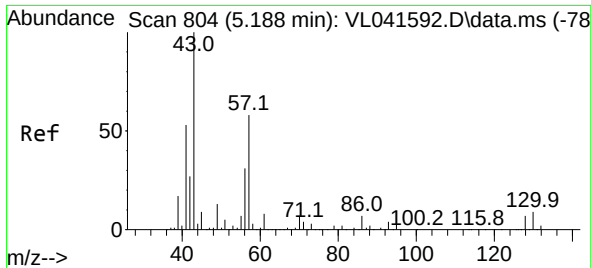
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#20
Methylene Chloride
Concen: 1.052 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.010 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

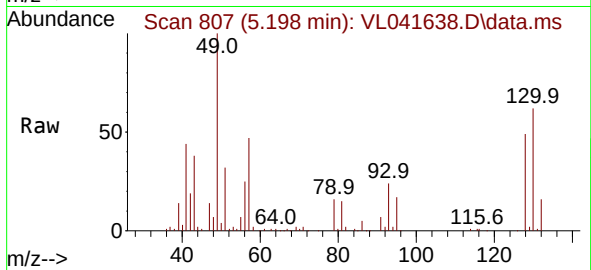
Tgt Ion: 84 Resp: 60250
Ion Ratio Lower Upper
84 100
49 140.7 124.3 186.5
51 44.7 36.3 54.5
86 63.6 47.4 71.2





#26
Hexane
Concen: 1.120 ppbv
RT: 5.198 min Scan# 804
Delta R.T. 0.010 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

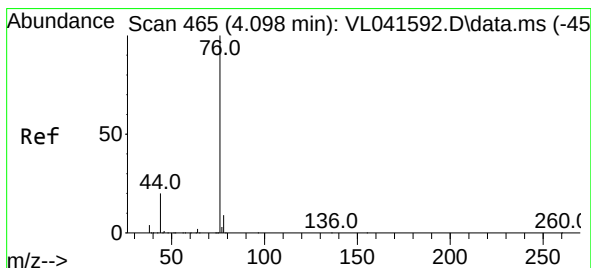
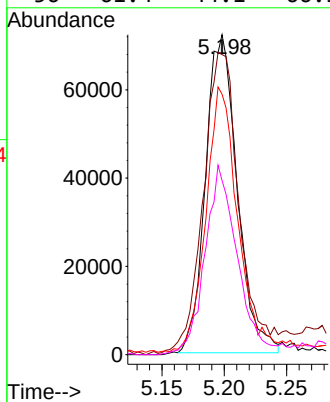
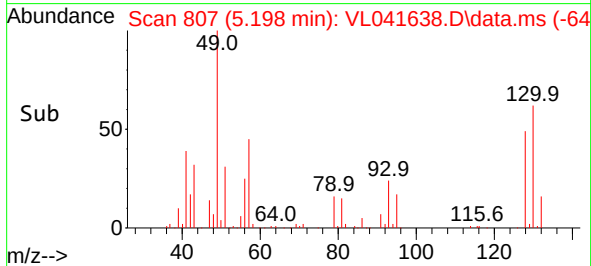
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



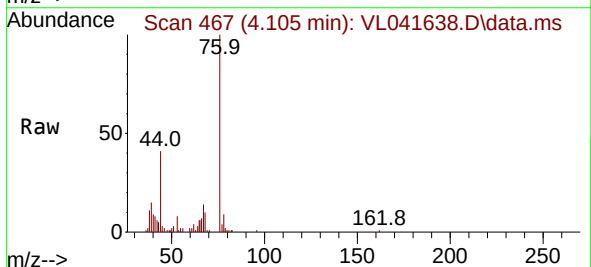
Tgt Ion: 57 Resp: 127770
Ion Ratio Lower Upper
57 100
41 110.5 75.7 113.5
43 94.2 198.5 297.7
56 61.4 44.1 66.1

Manual Integrations
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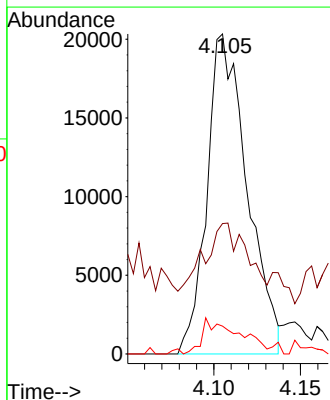
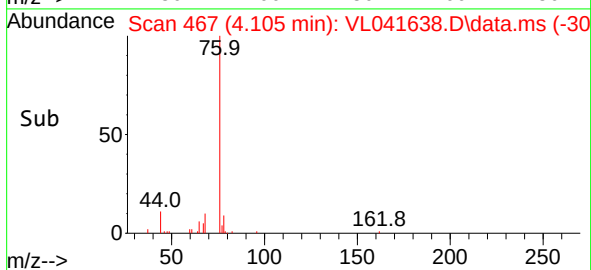
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024

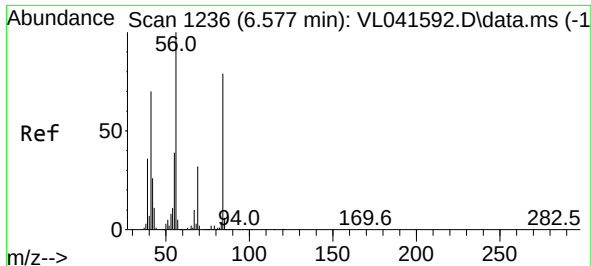


#27
Carbon Disulfide
Concen: 0.270 ppbv
RT: 4.105 min Scan# 467
Delta R.T. 0.006 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10



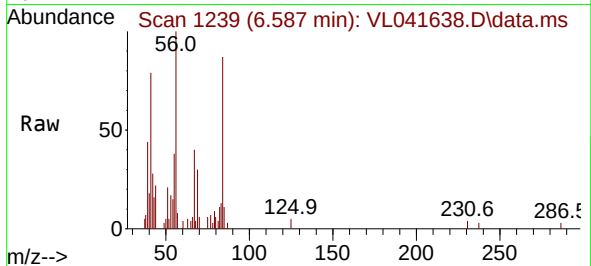
Tgt Ion: 76 Resp: 32813
Ion Ratio Lower Upper
76 100
44 20.0 15.8 23.8
78 11.3 7.5 11.3





#30
Cyclohexane
Concen: 0.113 ppbv m
RT: 6.587 min Scan# 1239
Delta R.T. 0.010 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

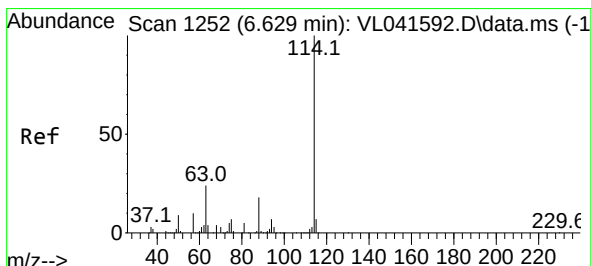
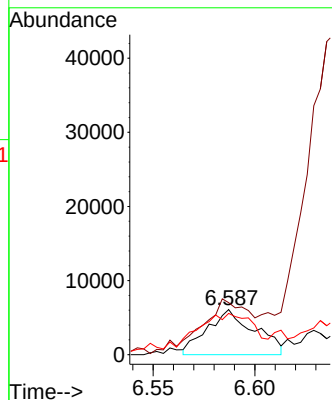
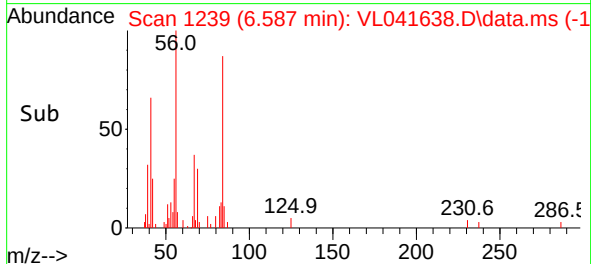
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 84 Resp: 9909
Ion Ratio Lower Upper
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56 0.0 111.5 167.3
41 119.1 70.9 106.3

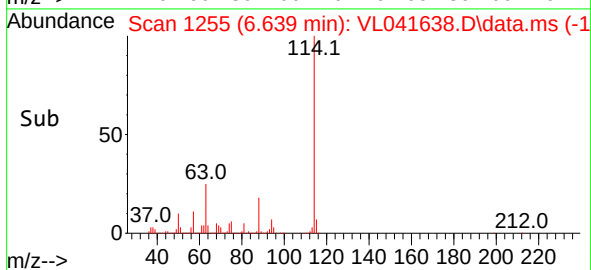
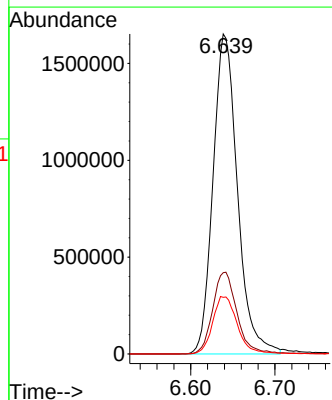
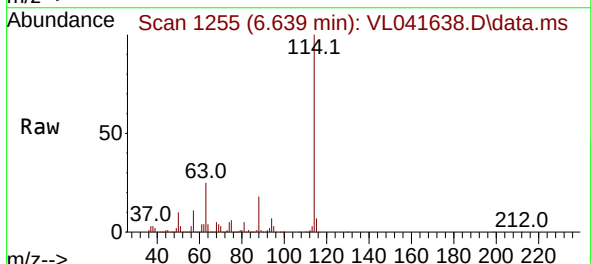
Manual Integrations
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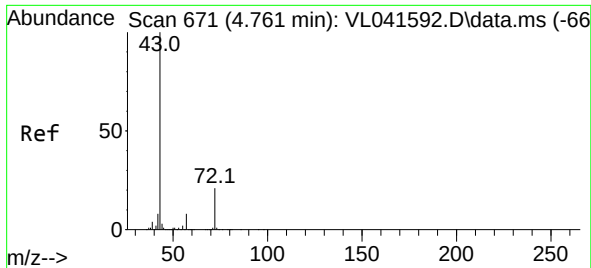
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.010 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

Tgt Ion:114 Resp: 3324588
Ion Ratio Lower Upper
114 100
63 25.7 20.2 30.2
88 18.3 14.2 21.4





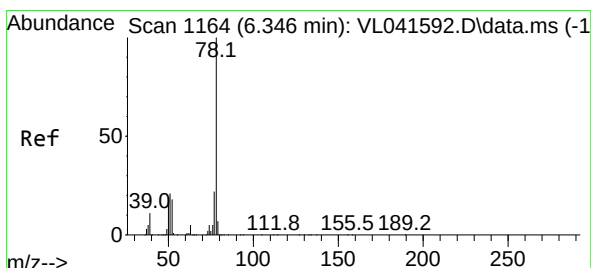
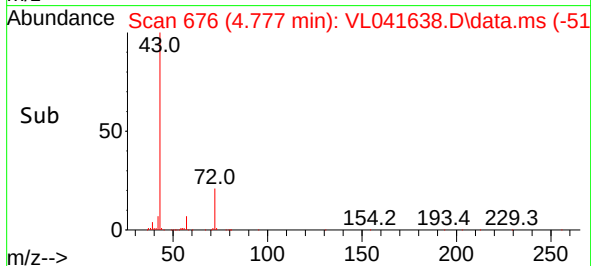
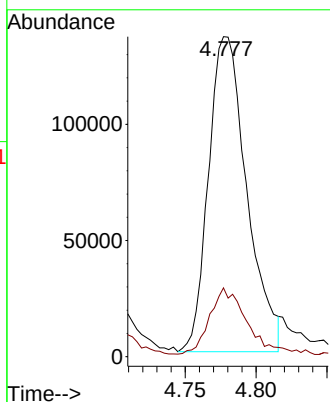
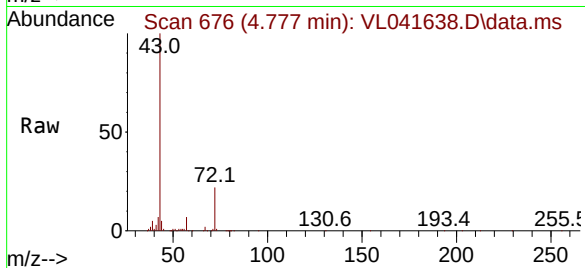
#34
2-Butanone
Concen: 1.612 ppbv
RT: 4.777 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 255530
Ion Ratio Lower Upper
43 100
72 25.1 16.8 25.2

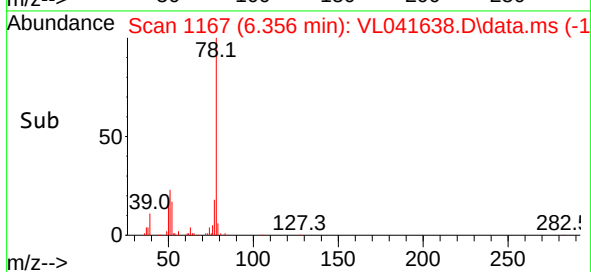
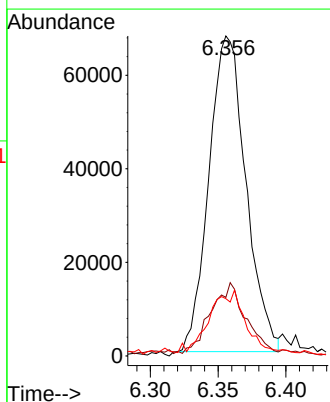
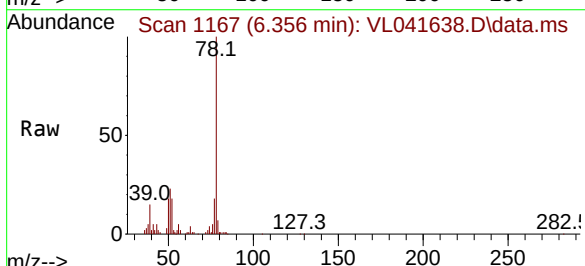
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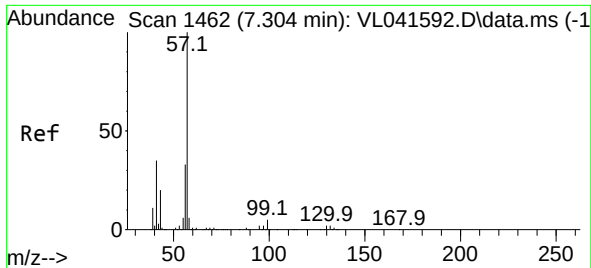
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#36
Benzene
Concen: 0.555 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.010 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

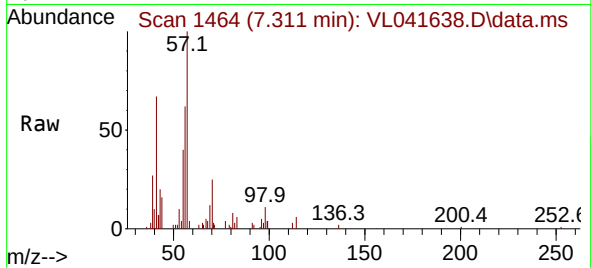
Tgt Ion: 78 Resp: 128157
Ion Ratio Lower Upper
78 100
77 17.3 17.8 26.6#
50 17.1 15.4 23.0





#44
2,2,4-Trimethylpentane
Concen: 0.096 ppbv m
RT: 7.311 min Scan# 1462
Delta R.T. 0.006 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

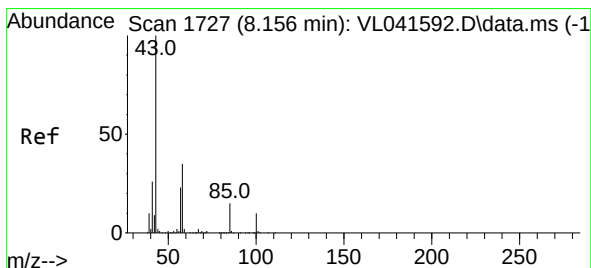
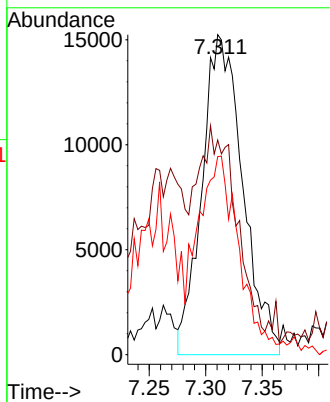
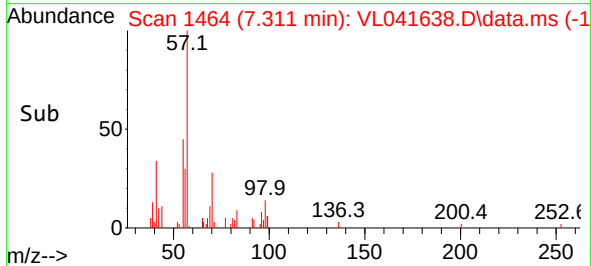
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 38214
Ion Ratio Lower Upper
57 100
41 72.2 27.0 40.6
56 59.9 25.5 38.3

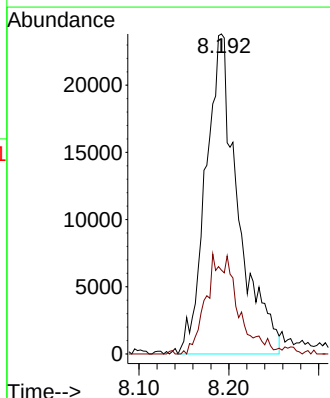
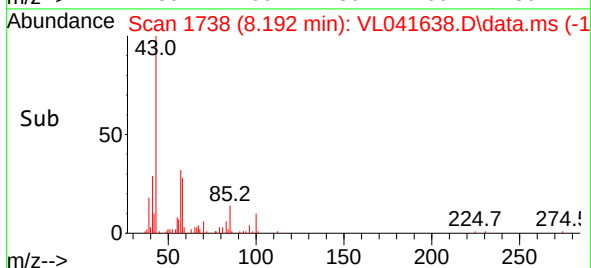
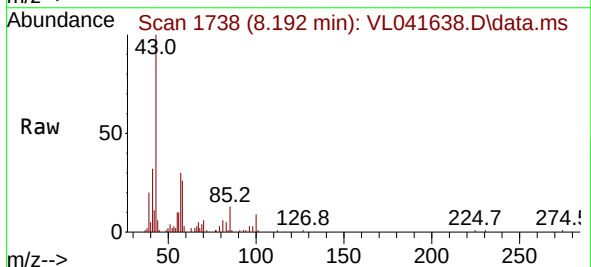
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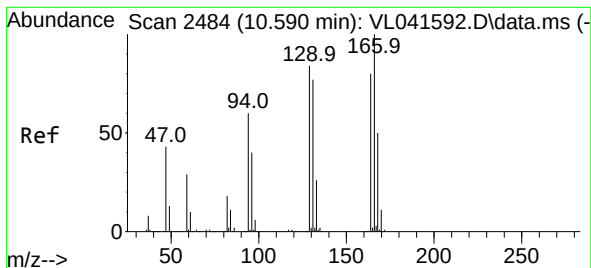
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#50
4-Methyl-2-Pentanone
Concen: 0.243 ppbv m
RT: 8.192 min Scan# 1738
Delta R.T. 0.035 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

Tgt Ion: 43 Resp: 59520
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8





#52

Tetrachloroethene

Concen: 0.486 ppbv m

RT: 10.603 min Scan# 2484

Delta R.T. 0.013 min

Lab File: VL041638.D

Acq: 10 Oct 2024 12:10

Instrument :

MSVOA_L

ClientSampleId :

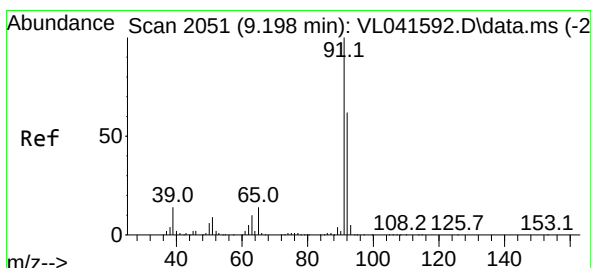
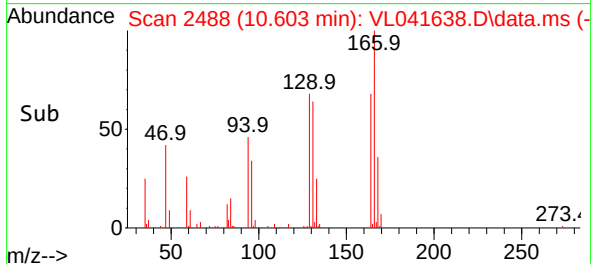
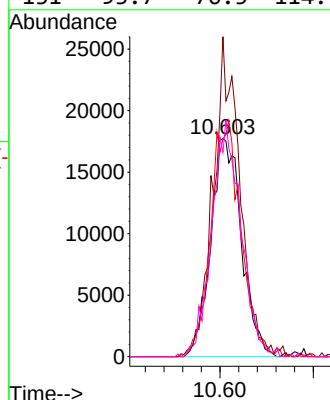
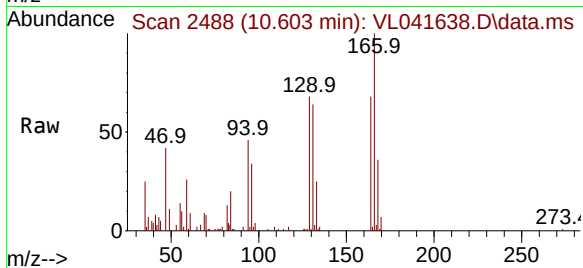
SV1DL

Tgt Ion:164	Resp:	40654
Ion	Ratio	Lower Upper
164	100	
166	146.7	99.4 149.2
129	99.8	83.5 125.3
131	93.7	76.5 114.7

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Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#53

Toluene

Concen: 2.102 ppbv

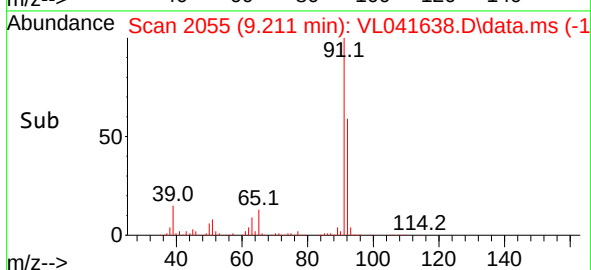
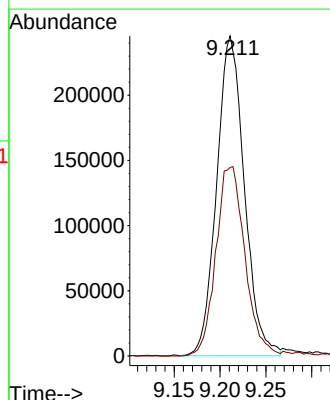
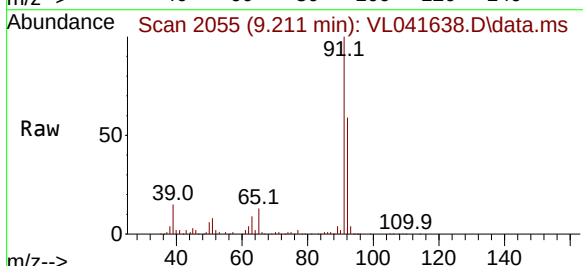
RT: 9.211 min Scan# 2055

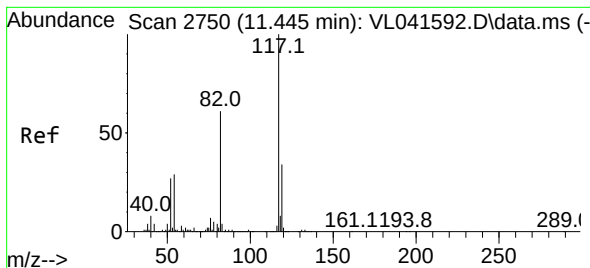
Delta R.T. 0.013 min

Lab File: VL041638.D

Acq: 10 Oct 2024 12:10

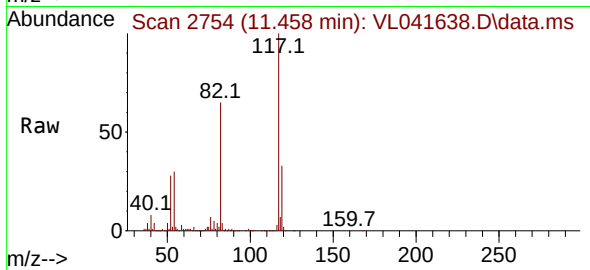
Tgt Ion: 91	Resp:	515266
Ion	Ratio	Lower Upper
91	100	
92	62.9	48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

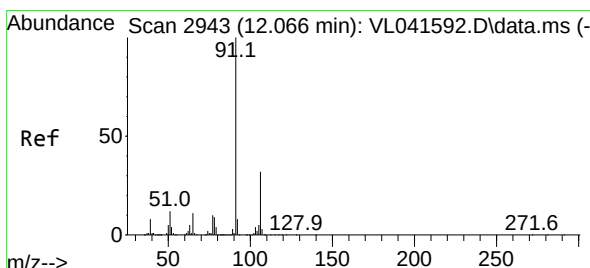
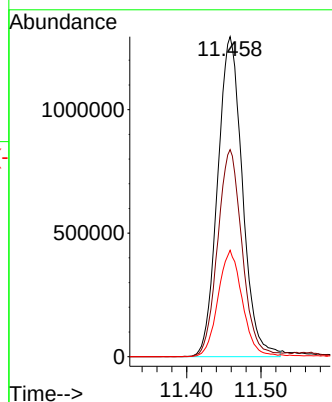
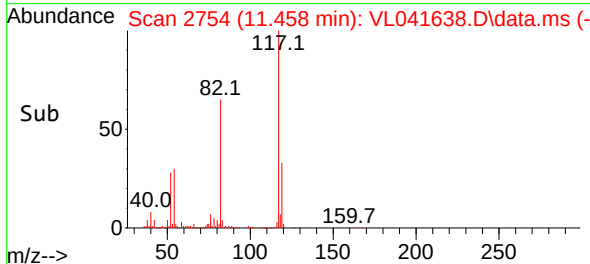
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:117 Resp: 300446
Ion Ratio Lower Upper
117 100
82 64.5 49.4 74.2
119 33.3 24.4 36.6

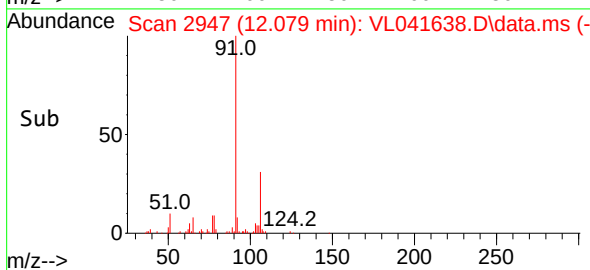
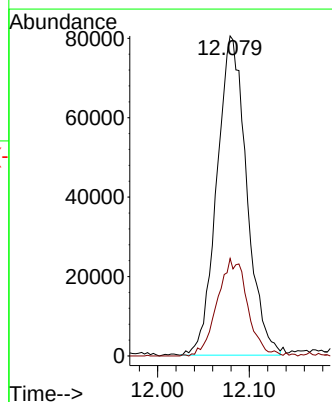
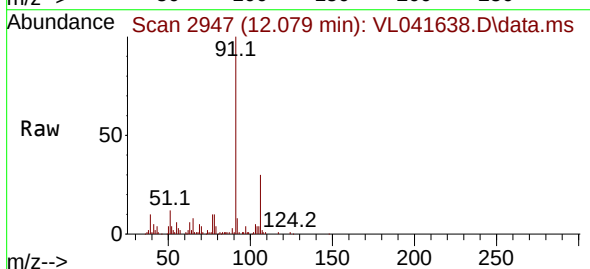
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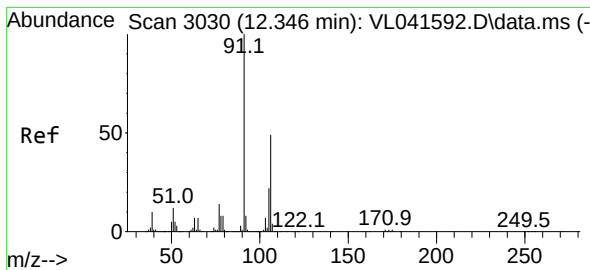
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#58
Ethyl Benzene
Concen: 0.564 ppbv
RT: 12.079 min Scan# 2947
Delta R.T. 0.013 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

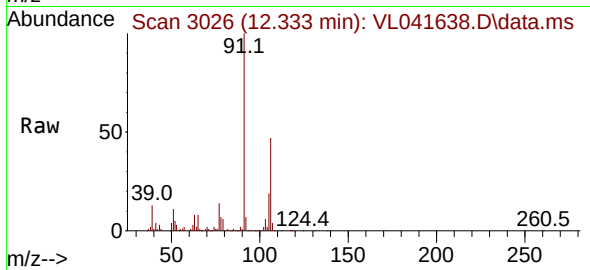
Tgt Ion: 91 Resp: 181302
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.6





#59
m/p-Xylene
Concen: 1.661 ppbv
RT: 12.333 min Scan# 3030
Delta R.T. -0.013 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

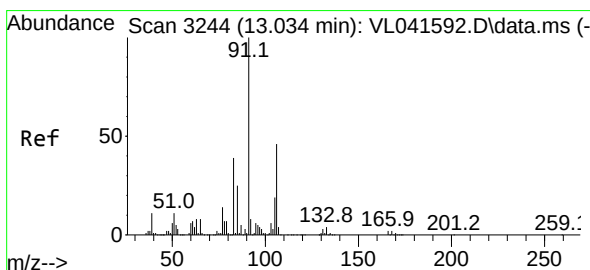
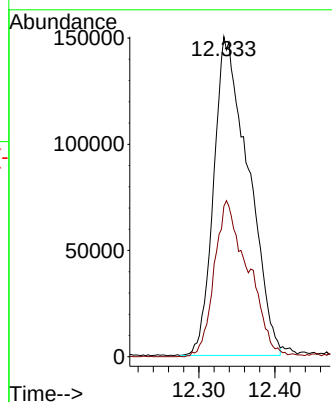
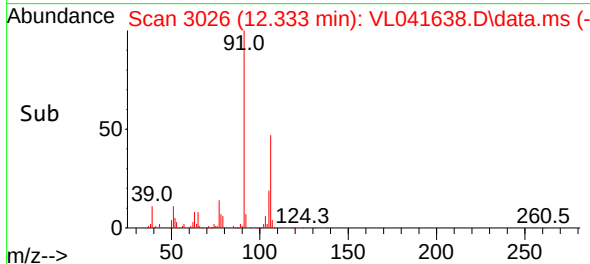
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



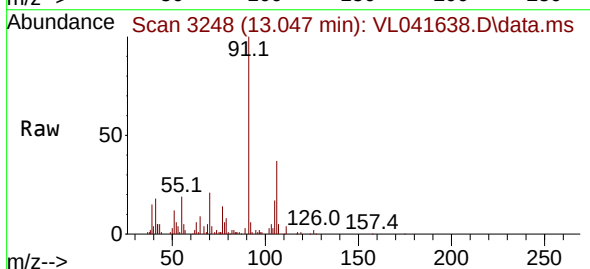
Tgt Ion: 91 Resp: 47554
Ion Ratio Lower Upper
91 100
106 48.0 36.8 55.2

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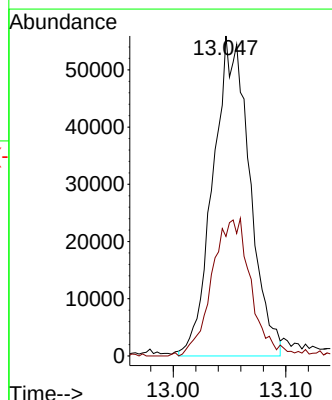
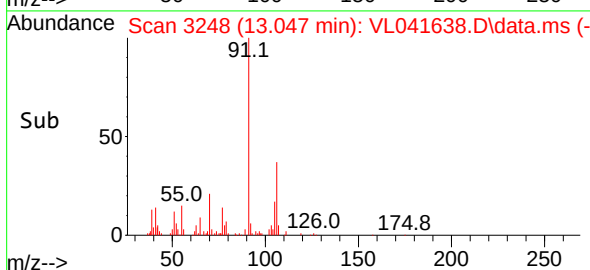
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024

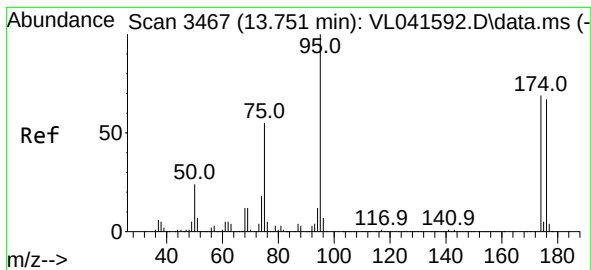


#60
o-Xylene
Concen: 0.461 ppbv m
RT: 13.047 min Scan# 3248
Delta R.T. 0.013 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10



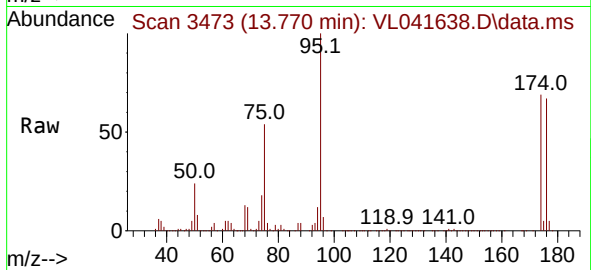
Tgt Ion: 91 Resp: 126472
Ion Ratio Lower Upper
91 100
106 0.0 23.1 69.3#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.451 ppbv
RT: 13.770 min Scan# 3467
Delta R.T. 0.019 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10

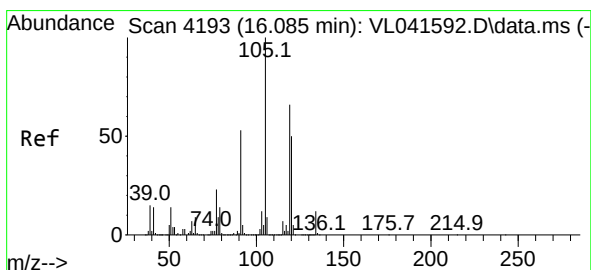
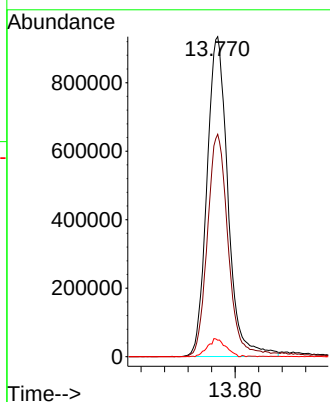
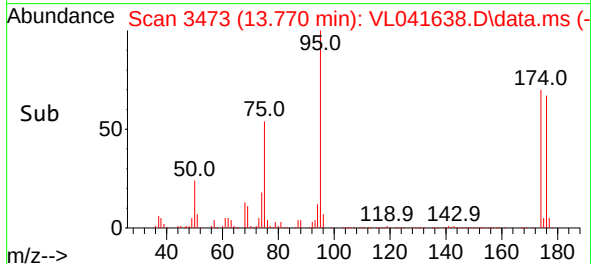
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



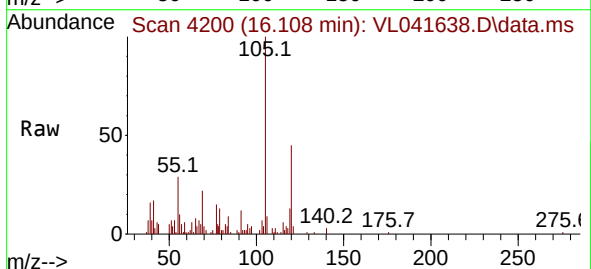
Tgt Ion: 95 Resp: 2311429
Ion Ratio Lower Upper
95 100
174 70.7 55.8 83.8
175 5.0 4.1 6.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.147 ppbv m
RT: 16.108 min Scan# 4200
Delta R.T. 0.023 min
Lab File: VL041638.D
Acq: 10 Oct 2024 12:10



Tgt Ion:105 Resp: 48724
Ion Ratio Lower Upper
105 100
120 44.7 39.9 59.9
91 11.7 42.6 63.8#
77 14.6 18.2 27.2#

