

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041608.D
 Acq On : 18 Sep 2024 15:43
 Operator : SY/MD
 Sample : P4028-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 01:34:13 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-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	5.192	49	1181339	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.652	114	3105157	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.465	117	2822973	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2133729 10.268 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	16237m	0.095	ppbv	
4) Chloromethane	2.819	50	8976	0.114	ppbv	99
9) Propene	2.703	41	93206	1.542	ppbv	93
10) Heptane	7.571	43	29222m	0.207	ppbv	
13) Ethanol	3.256	45	22551m	4.963	ppbv	
15) Acetone	3.478	43	360079	2.428	ppbv #	83
20) Methylene Chloride	3.935	84	59854	1.074	ppbv #	91
23) Vinyl Acetate	4.629	43	913960m	11.204	ppbv	
26) Hexane	5.214	57	283772	2.556	ppbv #	32
27) Carbon Disulfide	4.128	76	17073m	0.145	ppbv	
34) 2-Butanone	4.800	43	159186	1.075	ppbv	94
36) Benzene	6.369	78	30486	0.141	ppbv #	88
41) Tetrahydrofuran	5.584	42	28325m	0.348	ppbv	
51) 2-Hexanone	9.558	43	49142	0.284	ppbv #	86
52) Tetrachloroethene	10.610	164	17870m	0.229	ppbv	
53) Toluene	9.221	91	227784	0.995	ppbv	99
58) Ethyl Benzene	12.089	91	34750m	0.115	ppbv	
59) m/p-Xylene	12.339	91	98695m	0.367	ppbv	
60) o-Xylene	13.053	91	52885	0.205	ppbv	99
74) 1,2,4-Trimethylbenzene	16.101	105	93249m	0.299	ppbv	

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

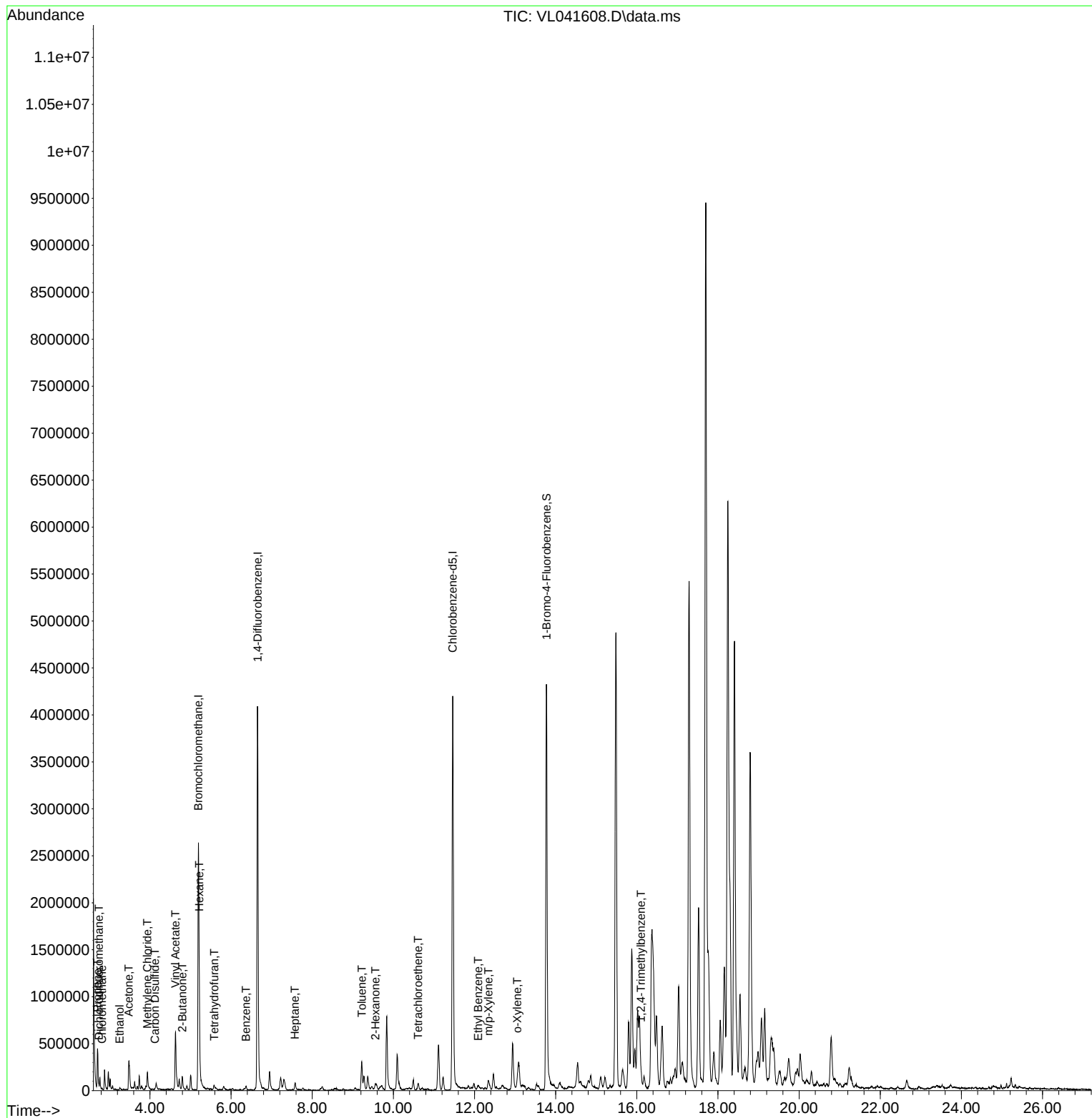
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
Data File : VL041608.D
Acq On : 18 Sep 2024 15:43
Operator : SY/MD
Sample : P4028-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

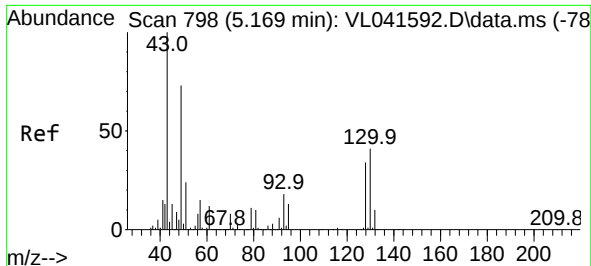
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Sep 19 01:34:13 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

Manual Integrations
APPROVED

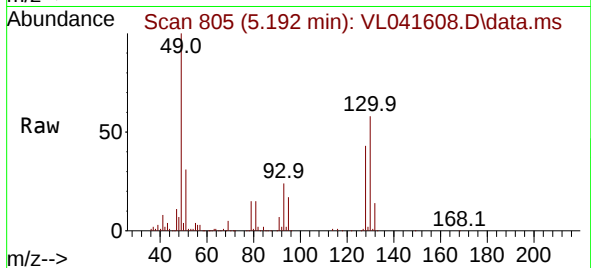
Reviewed By : Semsettin Yesilyurt 09/19/2024
Supervised By : Mahesh Dadoda 09/19/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.023 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

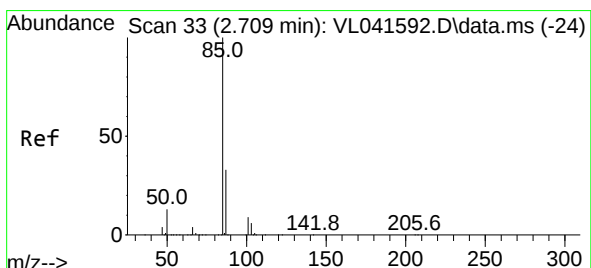
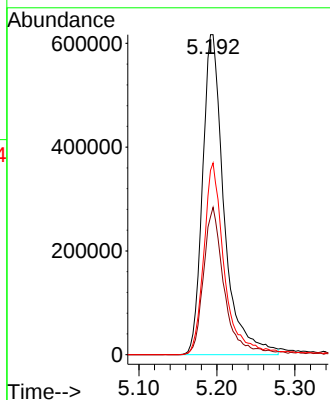
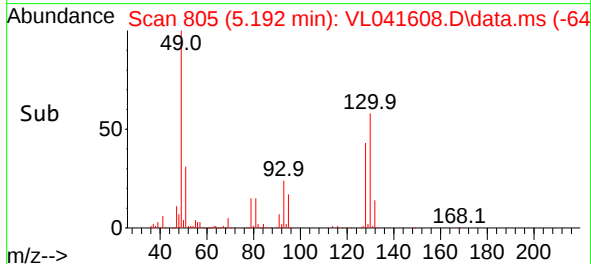
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 1181339
Ion Ratio Lower Upper
49 100
128 45.7 23.8 71.5
130 59.4 30.4 91.3

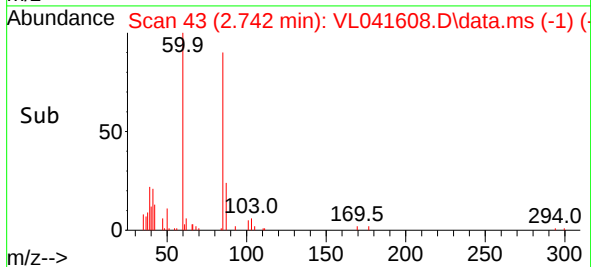
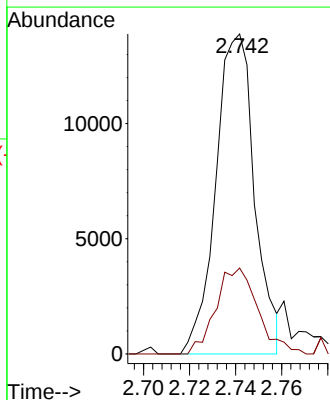
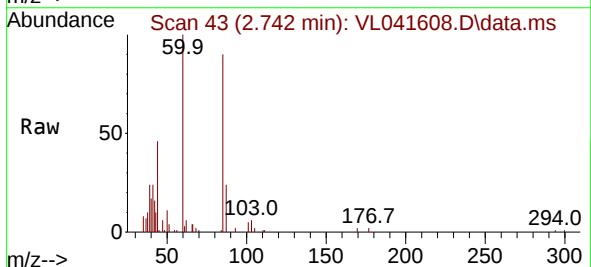
Manual Integrations
APPROVED

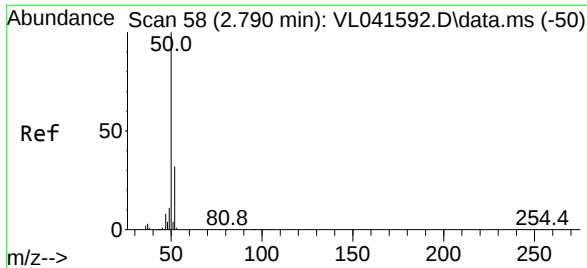
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#2
Dichlorodifluoromethane
Concen: 0.095 ppbv m
RT: 2.742 min Scan# 43
Delta R.T. 0.032 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

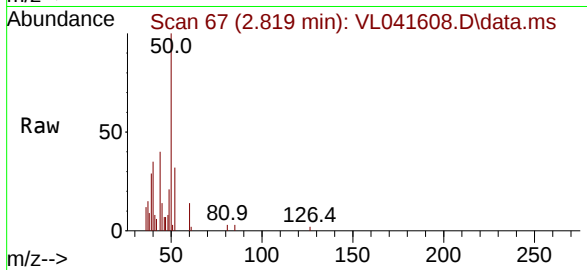
Tgt Ion: 85 Resp: 16237
Ion Ratio Lower Upper
85 100
87 26.9 26.3 39.5





#4
Chloromethane
Concen: 0.114 ppbv
RT: 2.819 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

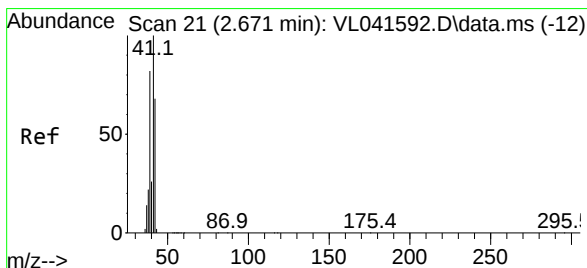
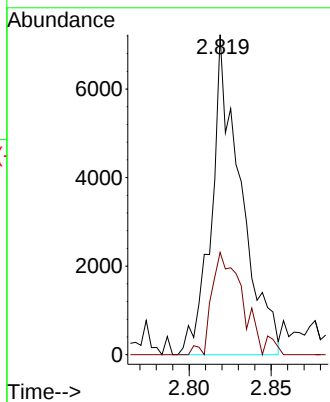
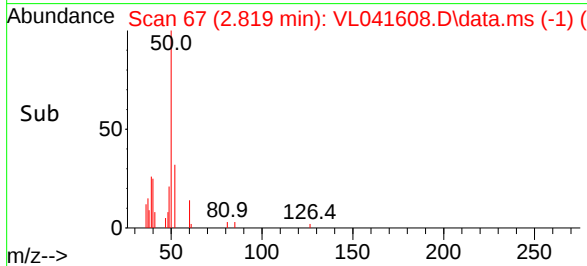
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 50 Resp: 8970
Ion Ratio Lower Upper
50 100
52 31.1 25.4 38.2

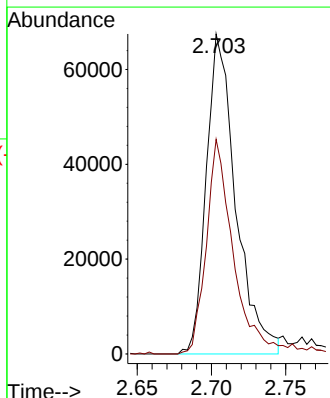
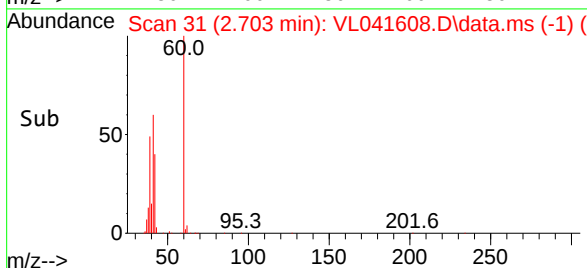
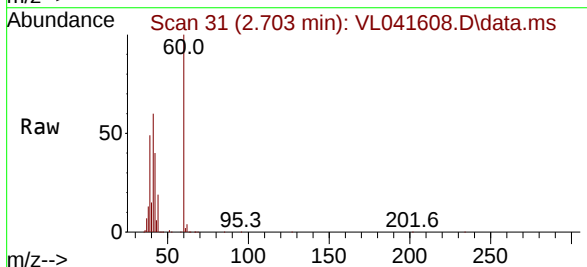
Manual Integrations
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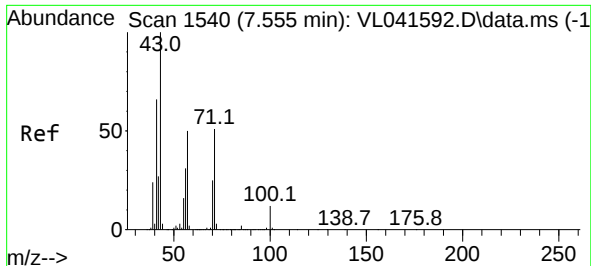
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#9
Propene
Concen: 1.542 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.032 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

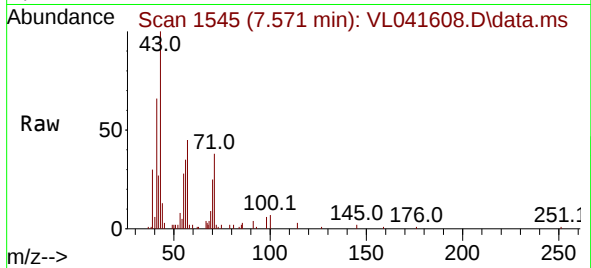
Tgt Ion: 41 Resp: 93206
Ion Ratio Lower Upper
41 100
42 63.4 55.2 82.8





#10
Heptane
Concen: 0.207 ppbv m
RT: 7.571 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

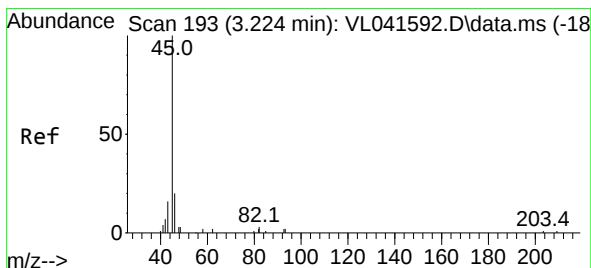
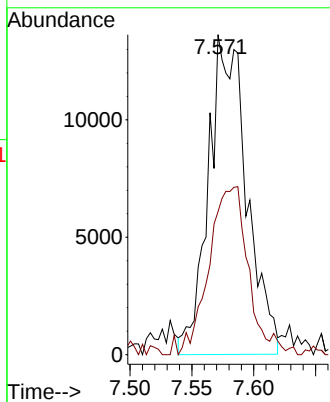
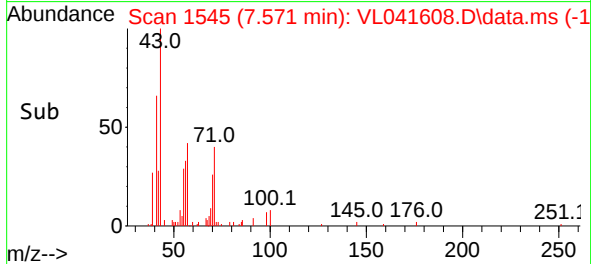
Instrument :
MSVOA_L
ClientSampleId :
SV1



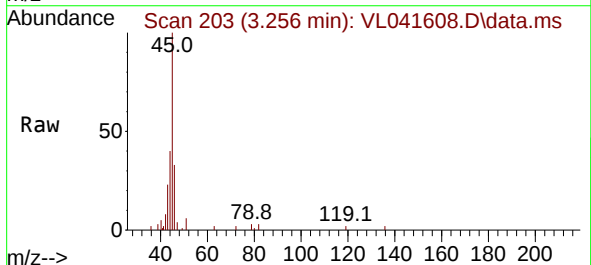
Tgt Ion: 43 Resp: 2922
Ion Ratio Lower Upper
43 100
57 54.1 39.8 59.8

Manual Integrations
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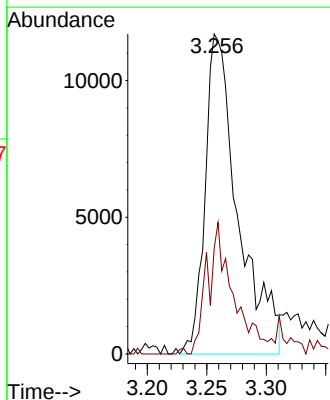
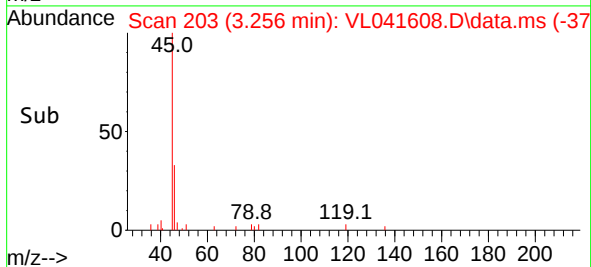
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024

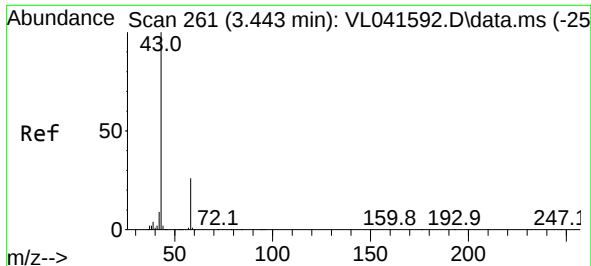


#13
Ethanol
Concen: 4.963 ppbv m
RT: 3.256 min Scan# 203
Delta R.T. 0.032 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43



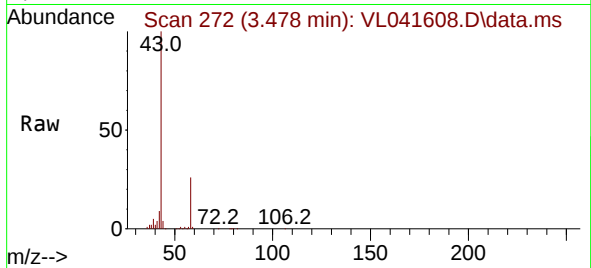
Tgt Ion: 45 Resp: 22551
Ion Ratio Lower Upper
45 100
46 37.1 15.2 60.8





#15
Acetone
Concen: 2.428 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

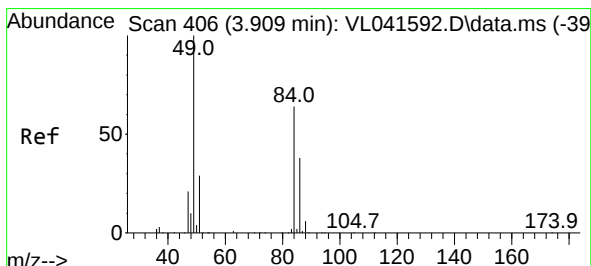
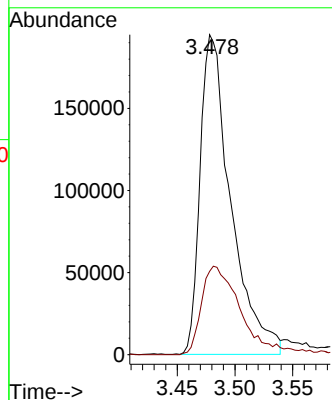
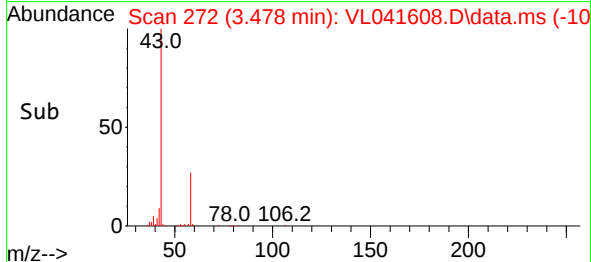
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 360079
Ion Ratio Lower Upper
43 100
58 35.9 21.5 32.3

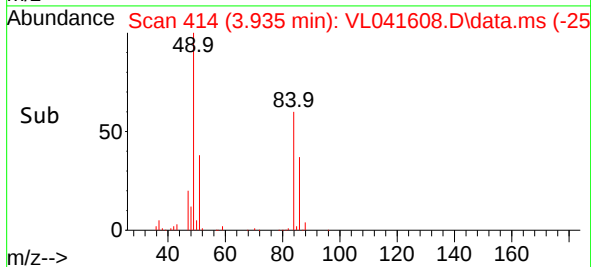
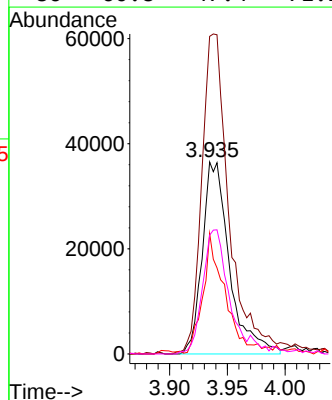
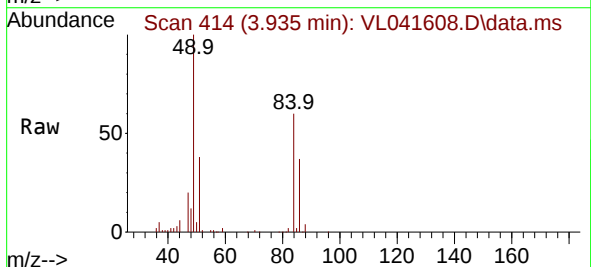
Manual Integrations
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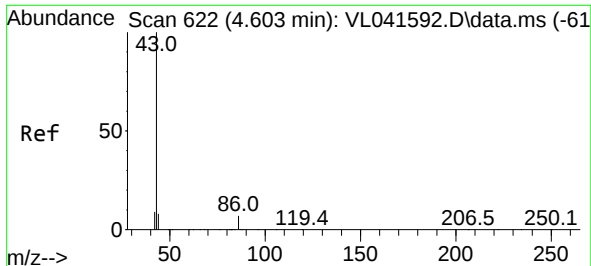
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#20
Methylene Chloride
Concen: 1.074 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.026 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

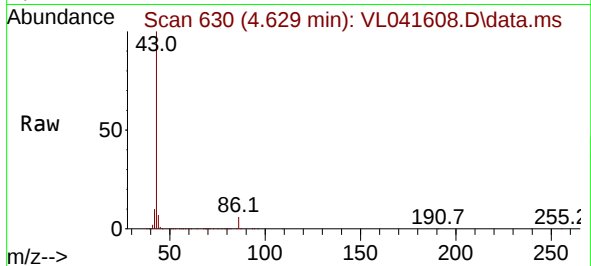
Tgt Ion: 84 Resp: 59854
Ion Ratio Lower Upper
84 100
49 164.3 124.3 186.5
51 61.4 36.3 54.5#
86 60.8 47.4 71.2





#23
 Vinyl Acetate
 Concen: 11.204 ppbv m
 RT: 4.629 min Scan# 61
 Delta R.T. 0.026 min
 Lab File: VL041608.D
 Acq: 18 Sep 2024 15:43

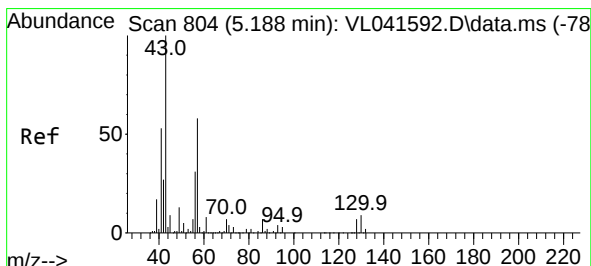
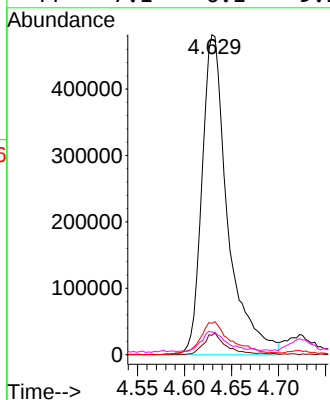
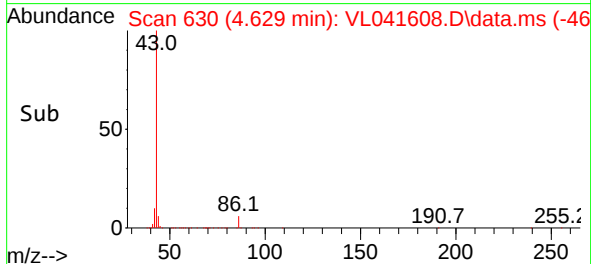
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 43 Resp: 913960
 Ion Ratio Lower Upper
 43 100
 86 6.1 4.9 7.3
 42 9.8 8.0 12.0
 44 7.1 6.1 9.1

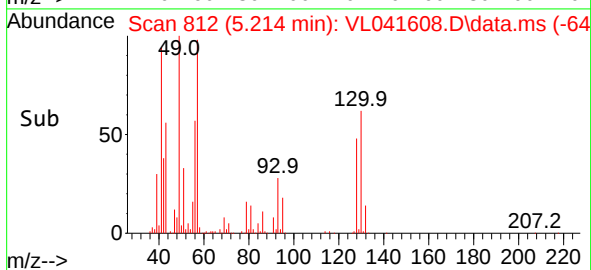
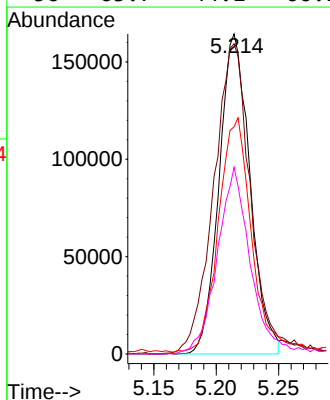
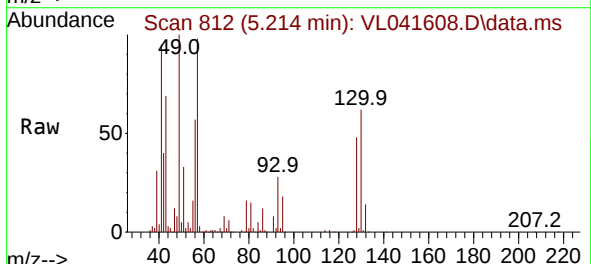
Manual Integrations
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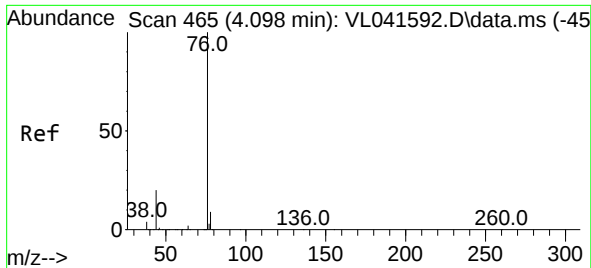
Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024



#26
 Hexane
 Concen: 2.556 ppbv
 RT: 5.214 min Scan# 812
 Delta R.T. 0.026 min
 Lab File: VL041608.D
 Acq: 18 Sep 2024 15:43

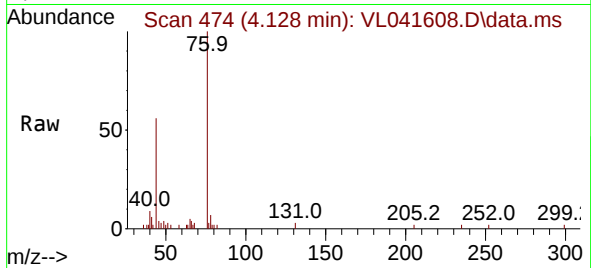
Tgt Ion: 57 Resp: 283772
 Ion Ratio Lower Upper
 57 100
 41 118.2 75.7 113.5#
 43 79.1 198.5 297.7#
 56 63.7 44.1 66.1





#27
Carbon Disulfide
Concen: 0.145 ppbv m
RT: 4.128 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

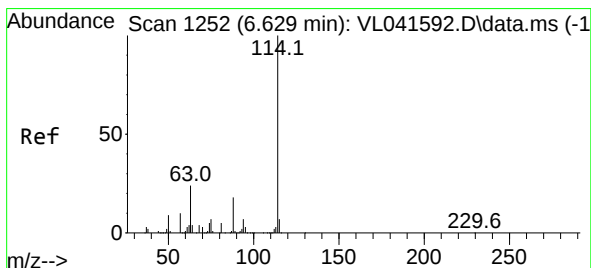
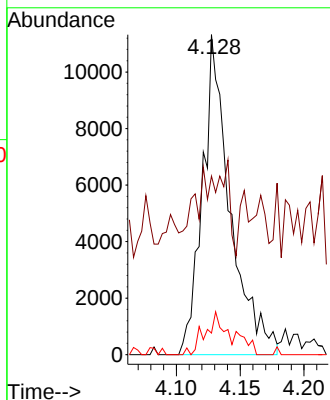
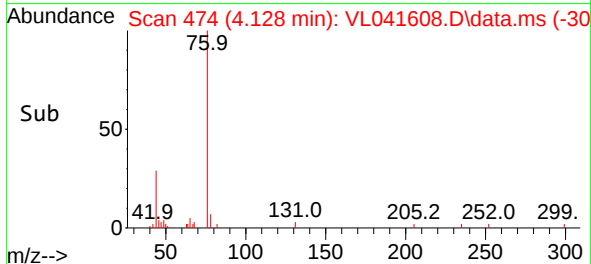
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 76 Resp: 1707
Ion Ratio Lower Upper
76 100
44 55.5 15.8 23.8
78 12.5 7.5 11.3

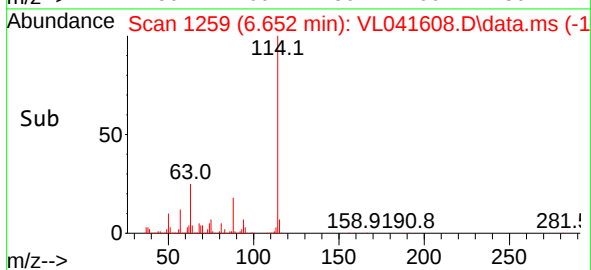
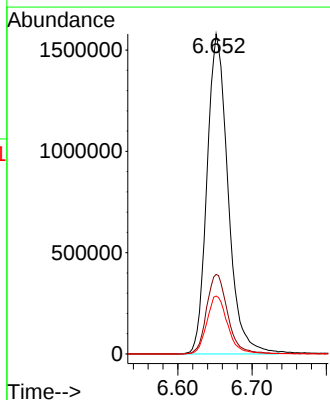
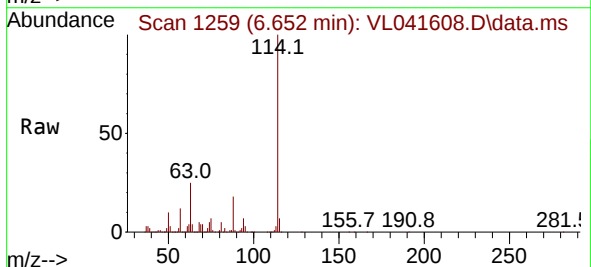
Manual Integrations
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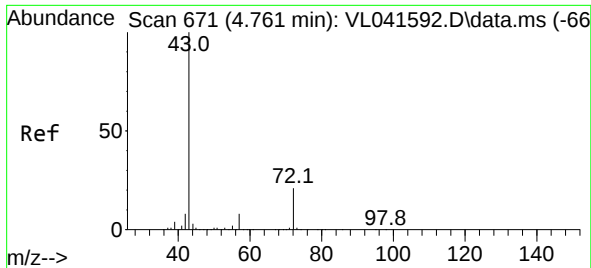
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.023 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

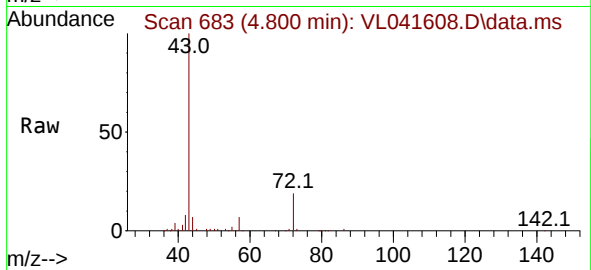
Tgt Ion:114 Resp: 3105157
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.2
88 18.1 14.2 21.4





#34
2-Butanone
Concen: 1.075 ppbv
RT: 4.800 min Scan# 61
Delta R.T. 0.039 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

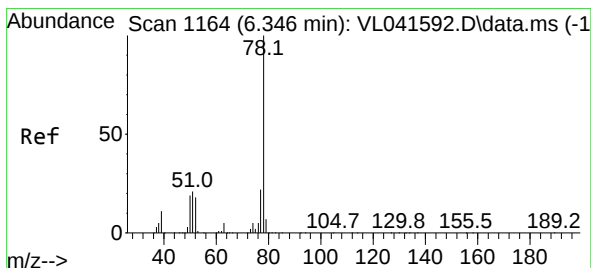
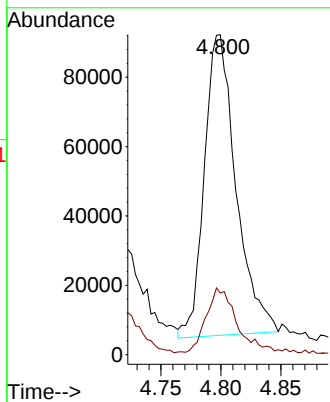
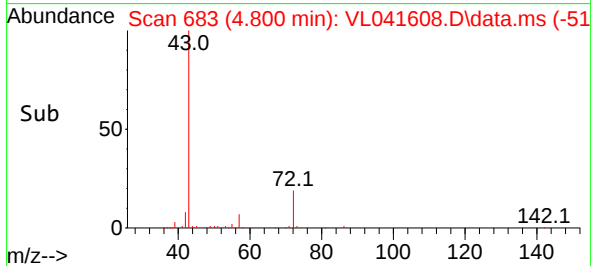
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 159186
Ion Ratio Lower Upper
43 100
72 23.7 16.8 25.2

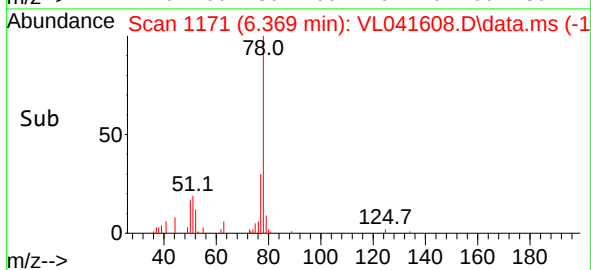
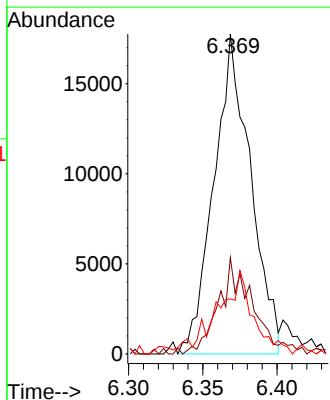
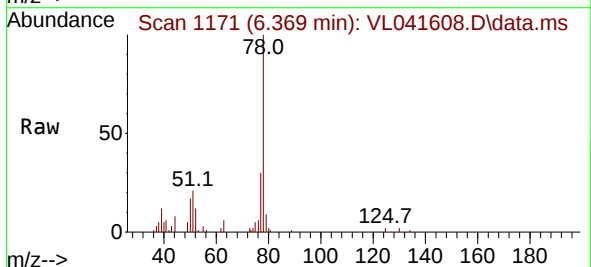
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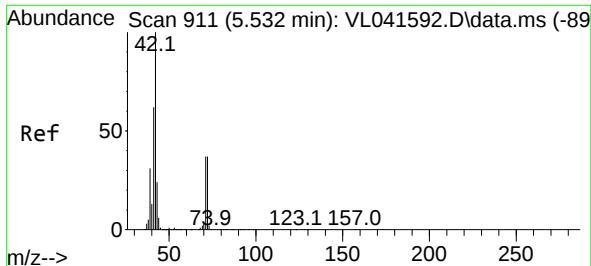
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#36
Benzene
Concen: 0.141 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.023 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

Tgt Ion: 78 Resp: 30486
Ion Ratio Lower Upper
78 100
77 28.3 17.8 26.6#
50 13.7 15.4 23.0#





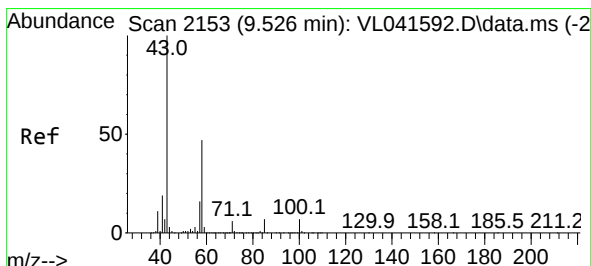
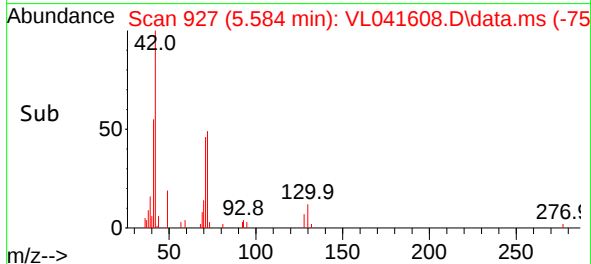
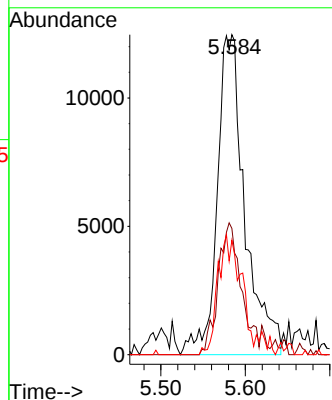
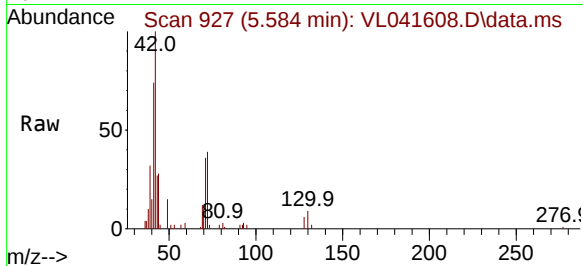
#41
Tetrahydrofuran
Concen: 0.348 ppbv m
RT: 5.584 min Scan# 911
Delta R.T. 0.052 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2
71	35.3	29.6	44.4

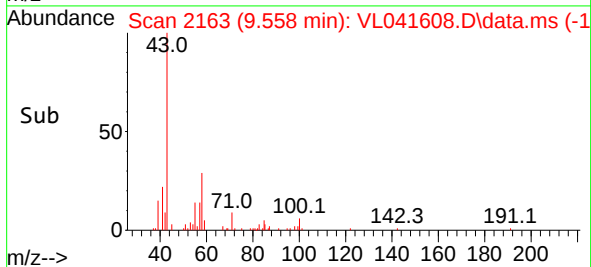
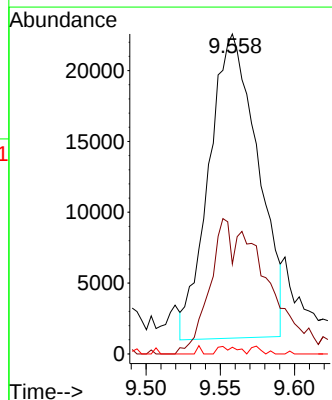
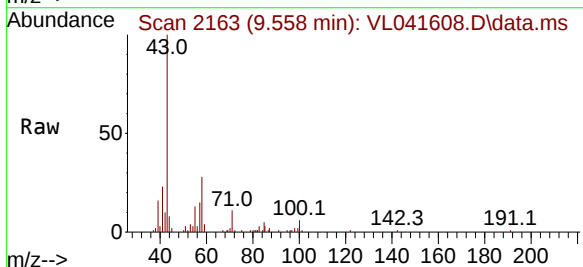
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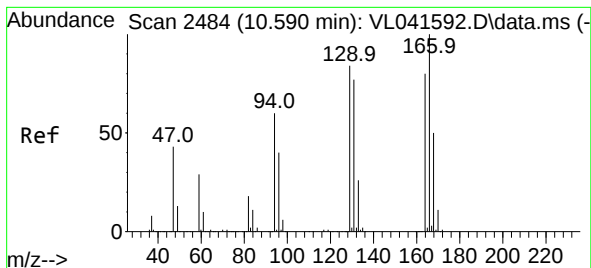
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#51
2-Hexanone
Concen: 0.284 ppbv
RT: 9.558 min Scan# 2163
Delta R.T. 0.032 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.7	37.2	55.8
98	1.8	0.5	0.7





#52

Tetrachloroethene

Concen: 0.229 ppbv m

RT: 10.610 min Scan# 2484

Delta R.T. 0.019 min

Lab File: VL041608.D

Acq: 18 Sep 2024 15:43

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:164 Resp: 17870

Ion Ratio Lower Upper

164 100

166 98.0 99.4 149.2

129 89.5 83.5 125.3

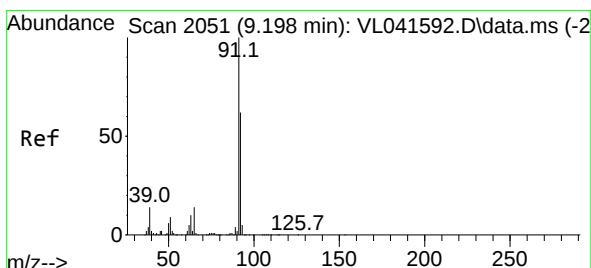
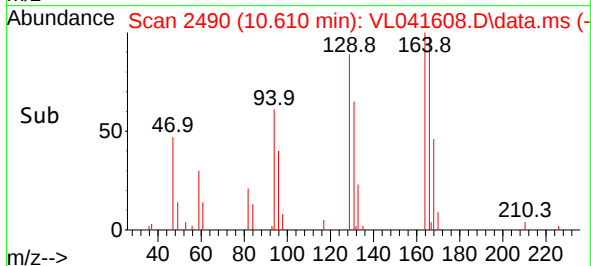
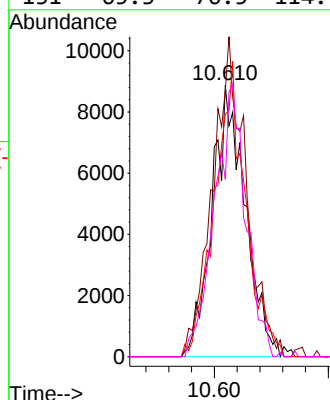
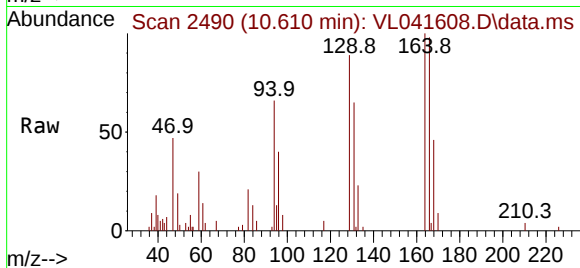
131 65.3 76.5 114.7#

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Reviewed By :Semsettin Yesilyurt 09/19/2024

Supervised By :Mahesh Dadoda 09/19/2024



#53

Toluene

Concen: 0.995 ppbv

RT: 9.221 min Scan# 2058

Delta R.T. 0.023 min

Lab File: VL041608.D

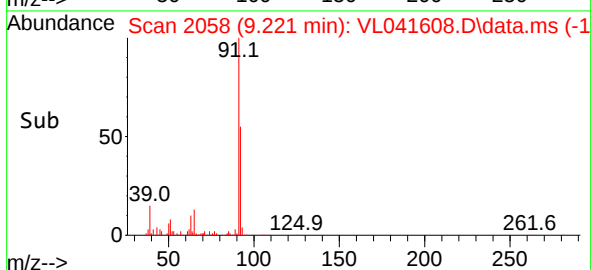
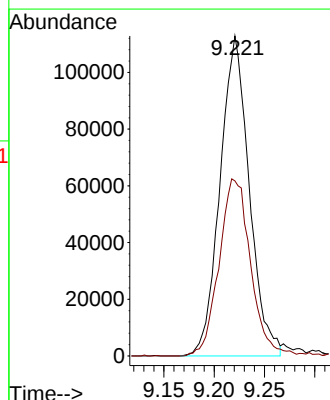
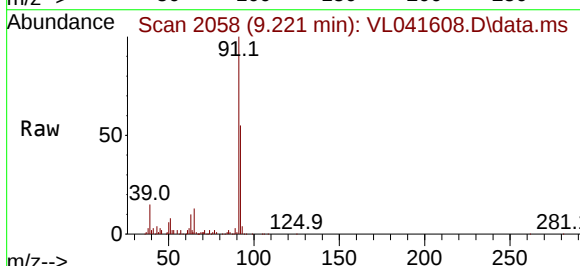
Acq: 18 Sep 2024 15:43

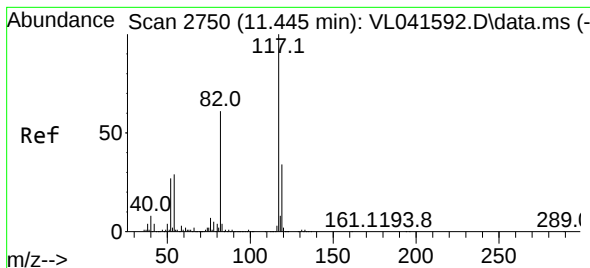
Tgt Ion: 91 Resp: 227784

Ion Ratio Lower Upper

91 100

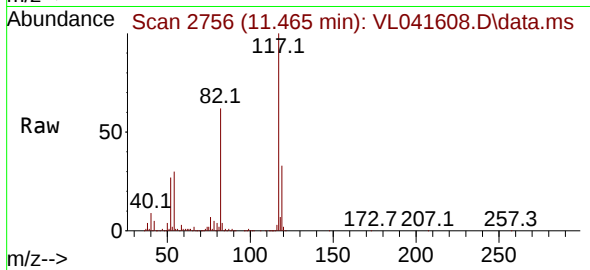
92 60.1 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

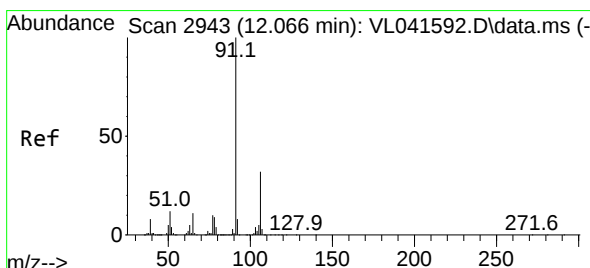
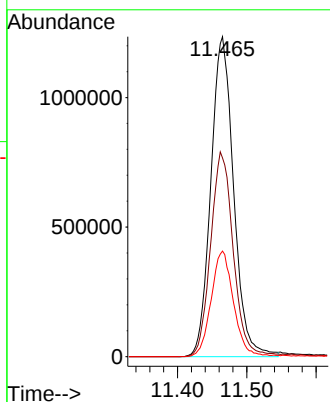
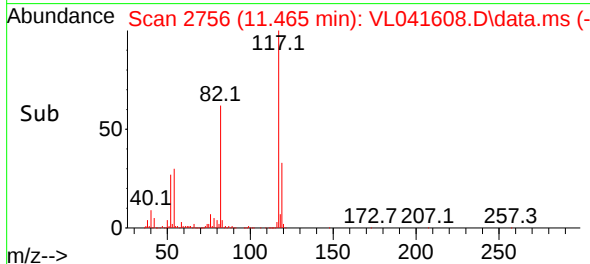
Instrument :
MSVOA_L
ClientSampleId :
SV1



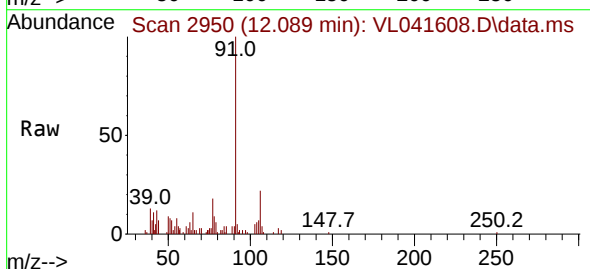
Tgt Ion:117 Resp: 282297
Ion Ratio Lower Upper
117 100
82 65.0 49.4 74.2
119 33.1 24.4 36.6

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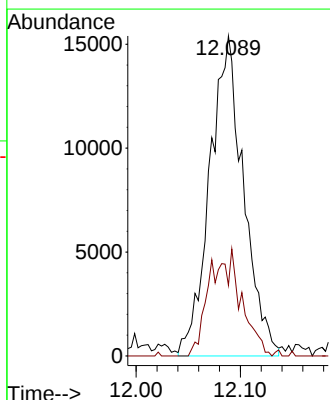
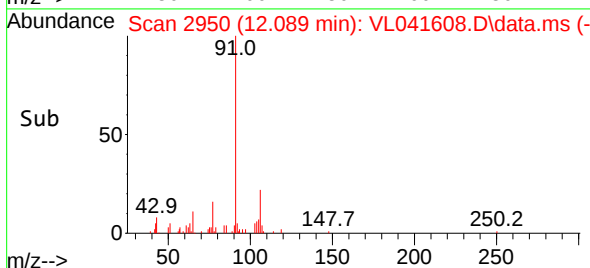
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024

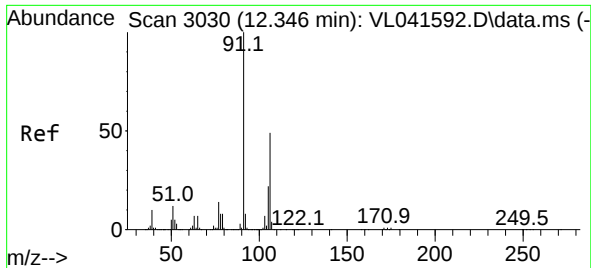


#58
Ethyl Benzene
Concen: 0.115 ppbv m
RT: 12.089 min Scan# 2950
Delta R.T. 0.023 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43



Tgt Ion: 91 Resp: 34750
Ion Ratio Lower Upper
91 100
106 22.1 25.8 38.6#





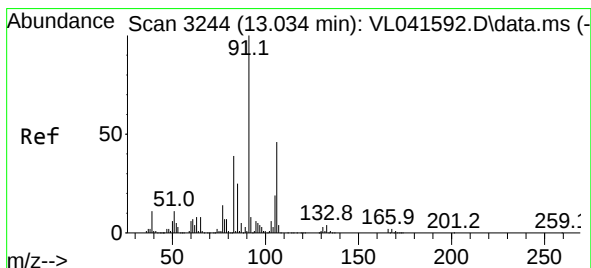
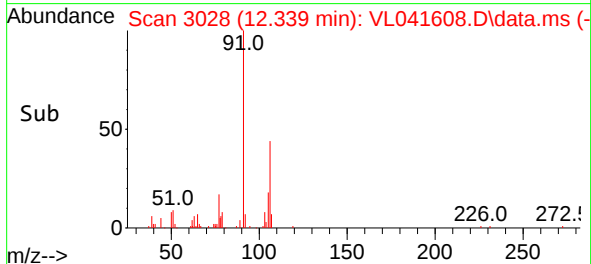
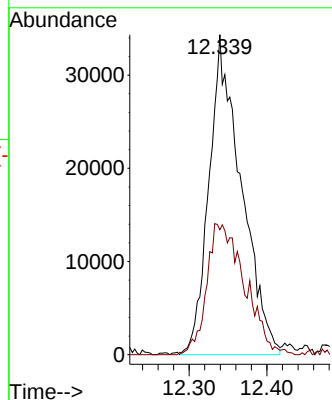
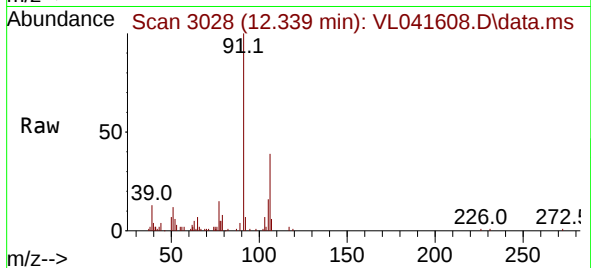
#59
m/p-Xylene
Concen: 0.367 ppbv m
RT: 12.339 min Scan# 3030
Delta R.T. -0.006 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 9869
Ion Ratio Lower Upper
91 100
106 0.0 36.8 55.2

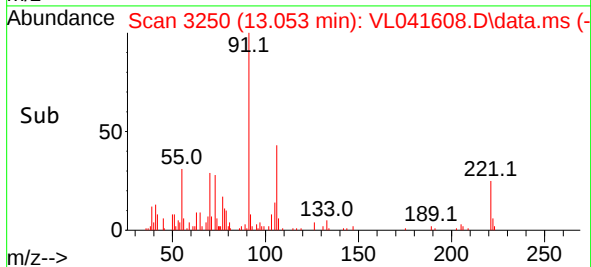
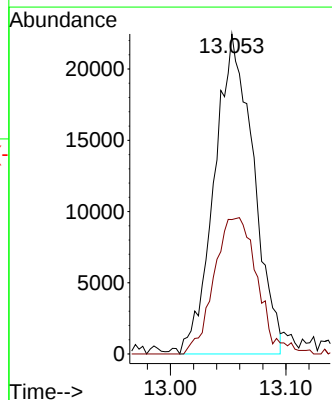
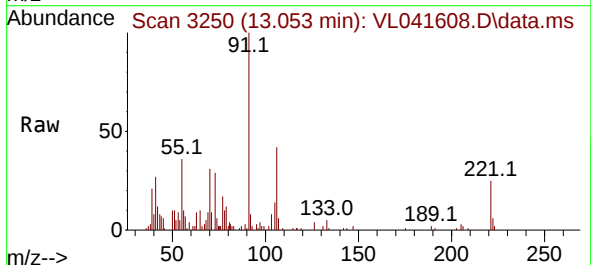
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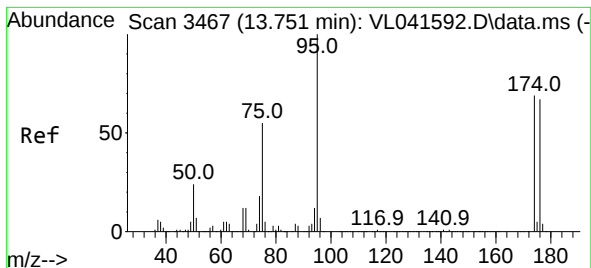
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#60
o-Xylene
Concen: 0.205 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.019 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

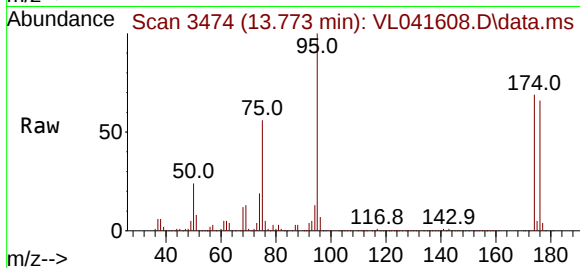
Tgt Ion: 91 Resp: 52885
Ion Ratio Lower Upper
91 100
106 47.2 23.1 69.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.268 ppbv
RT: 13.773 min Scan# 3467
Delta R.T. 0.023 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43

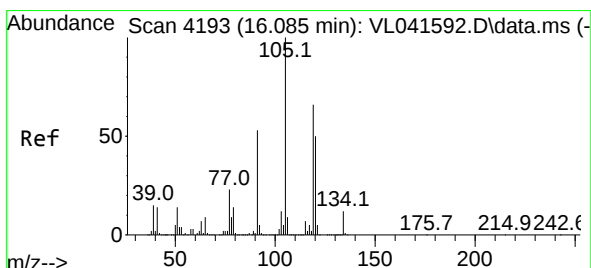
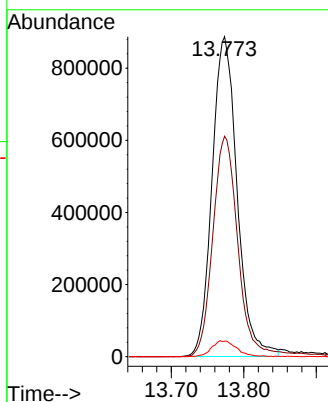
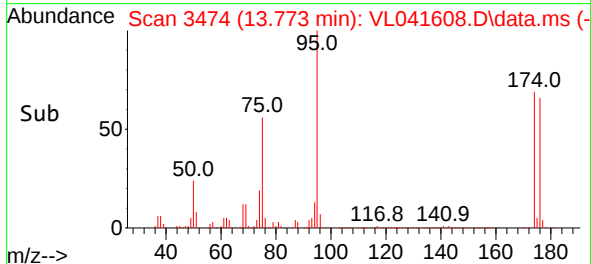
Instrument :
MSVOA_L
ClientSampleId :
SV1



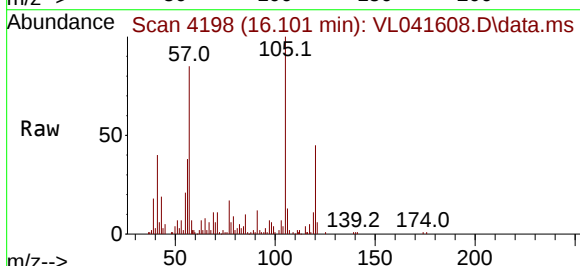
Tgt Ion: 95 Resp: 2133729
Ion Ratio Lower Upper
95 100
174 70.6 55.8 83.8
175 5.0 4.1 6.1

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Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.299 ppbv m
RT: 16.101 min Scan# 4198
Delta R.T. 0.016 min
Lab File: VL041608.D
Acq: 18 Sep 2024 15:43



Tgt Ion:105 Resp: 93249
Ion Ratio Lower Upper
105 100
120 44.8 39.9 59.9
91 11.5 42.6 63.8#
77 17.3 18.2 27.2#

