

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
 Data File : VL041498.D
 Acq On : 5 Aug 2024 13:07
 Operator : SY/MD
 Sample : P3454-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 06 01:37:06 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 09 12:34:45 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1026442	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2815282	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2417190	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1913846	10.289	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						Qvalue
4) Chloromethane	2.819	50	1222250	18.806	ppbv	100
5) Vinyl Chloride	2.925	62	102927	1.607	ppbv	97
11) Trichlorofluoromethane	3.568	101	2916690	18.599	ppbv	99
13) Ethanol	3.259	45	14568m	2.904	ppbv	
15) Acetone	3.478	43	124216	1.065	ppbv	90
20) Methylene Chloride	3.935	84	182584	4.198	ppbv	95
26) Hexane	5.214	57	4159236	43.274	ppbv #	37
34) 2-Butanone	4.806	43	25277m	0.186	ppbv	
36) Benzene	6.369	78	7792502	37.880	ppbv	94
37) 1,2-Dichloroethane	5.809	62	2514979	21.844	ppbv	100
39) 1,2-Dichloropropane	7.073	63	1670650	21.213	ppbv	99
57) Chlorobenzene	11.526	112	3338216	19.397	ppbv	100
58) Ethyl Benzene	12.089	91	7191002	25.811	ppbv	97
65) tert-Butylbenzene	16.108	119	1002657	3.210	ppbv #	67
73) 1,3,5-Trimethylbenzene	15.352	105	9384285	40.668	ppbv	96
74) 1,2,4-Trimethylbenzene	16.108	105	8428678	31.418	ppbv #	75

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

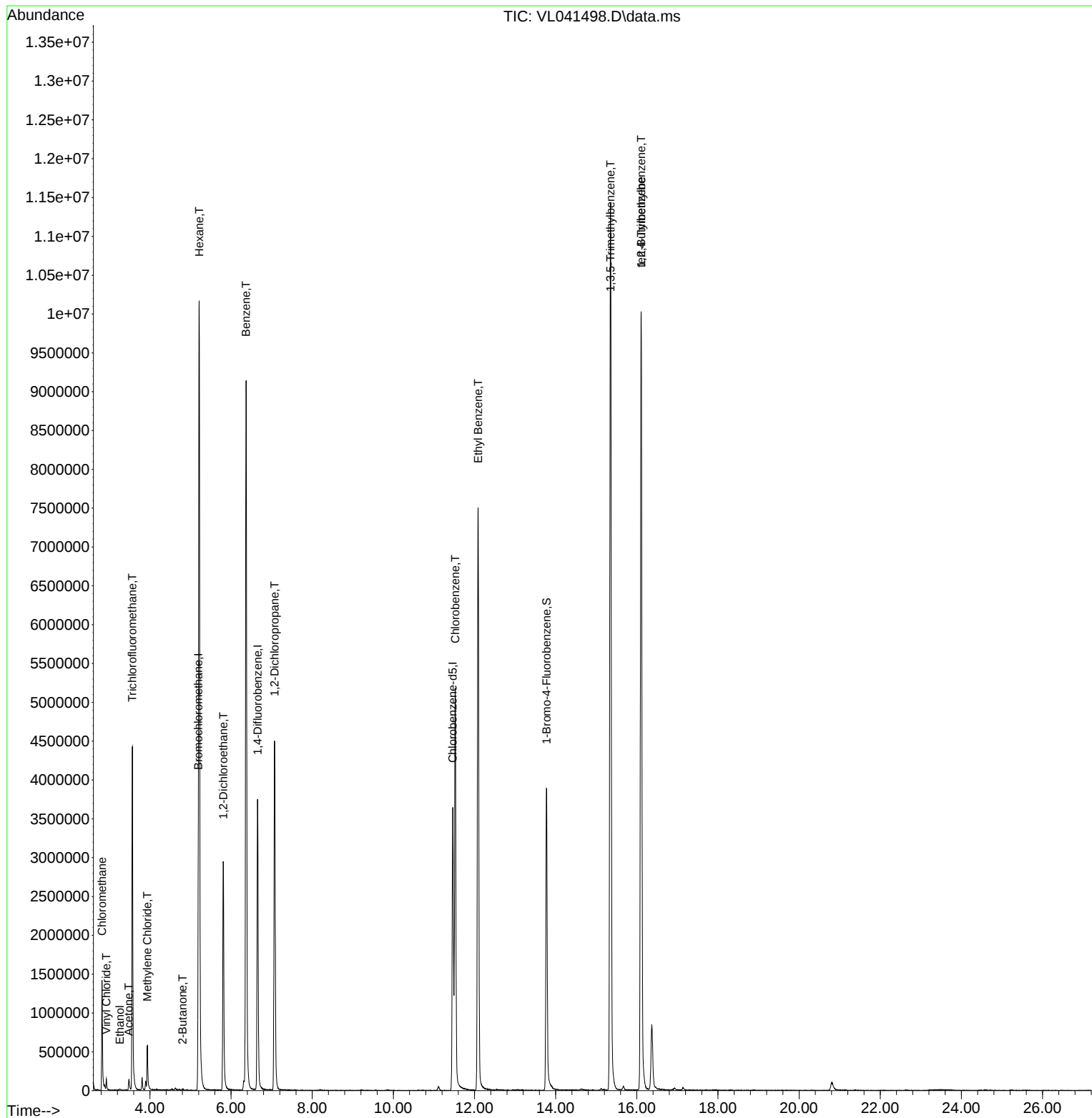
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
Data File : VL041498.D
Acq On : 5 Aug 2024 13:07
Operator : SY/MD
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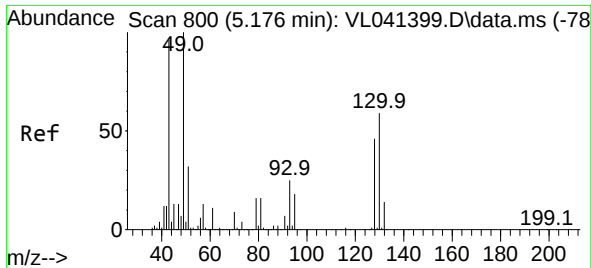
Instrument :
MSVOA_L
ClientSampleId :
E069-1100

Quant Time: Aug 06 01:37:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration

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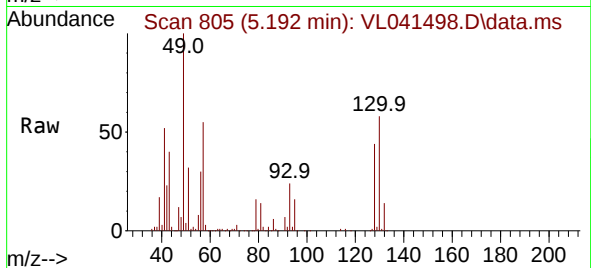
Reviewed By : Semsettin Yesilyurt 08/09/2024
Supervised By : Mahesh Dadoda 08/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07

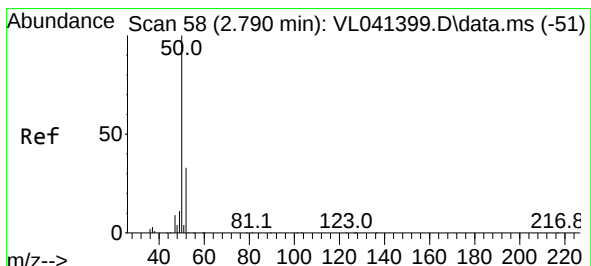
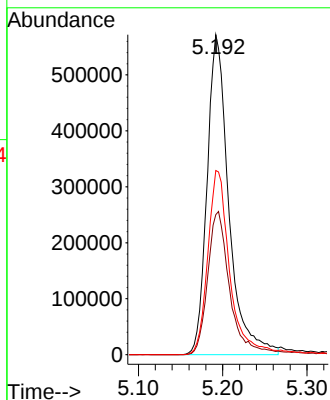
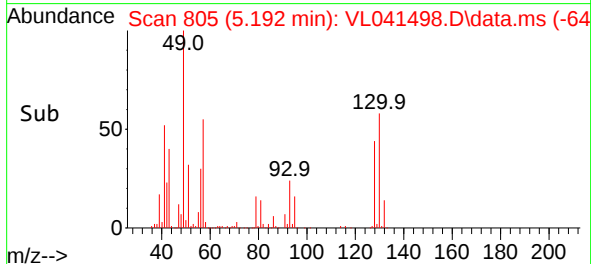
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



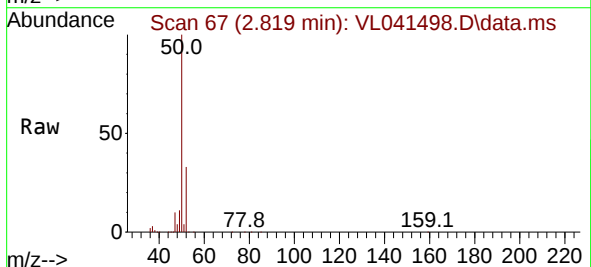
Tgt Ion: 49 Resp: 102644
Ion Ratio Lower Upper
49 100
128 46.5 23.8 71.4
130 60.1 30.8 92.4

Manual Integrations
APPROVED

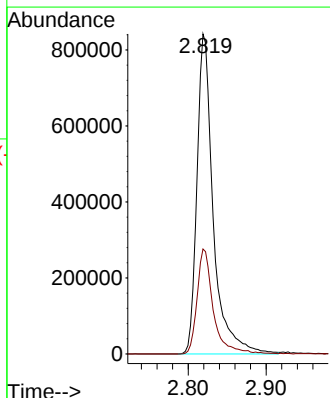
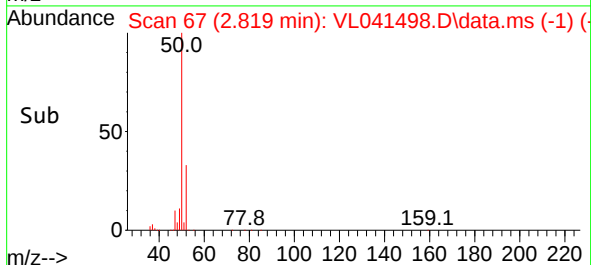
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

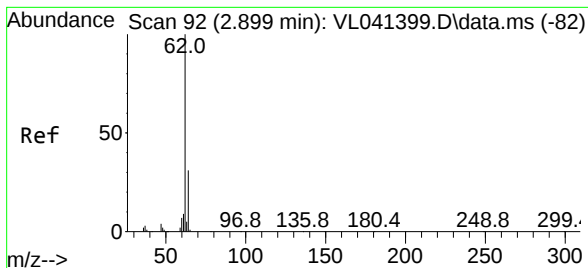


#4
Chloromethane
Concen: 18.806 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.003 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07



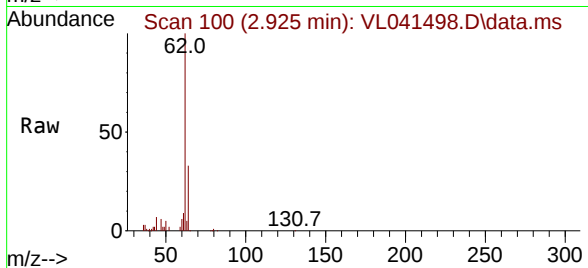
Tgt Ion: 50 Resp: 1222250
Ion Ratio Lower Upper
50 100
52 32.8 26.1 39.1





#5
 Vinyl Chloride
 Concen: 1.607 ppbv
 RT: 2.925 min Scan# 10
 Delta R.T. 0.003 min
 Lab File: VL041498.D
 Acq: 5 Aug 2024 13:07

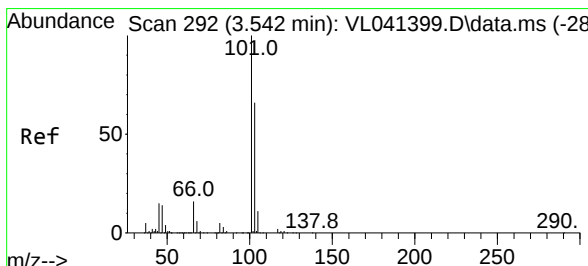
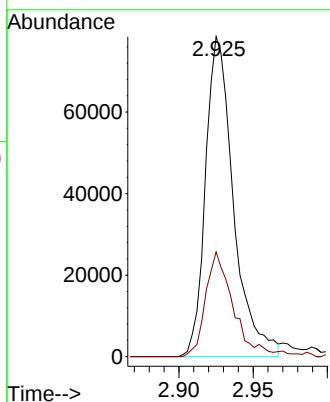
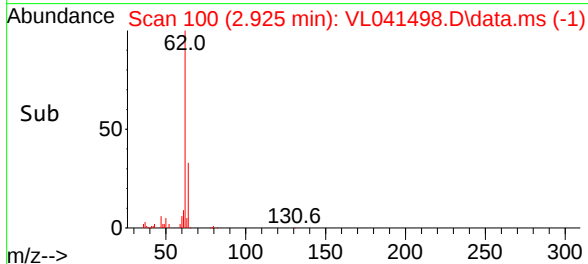
Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100



Tgt Ion: 62 Resp: 102927
 Ion Ratio Lower Upper
 62 100
 64 32.7 25.0 37.4

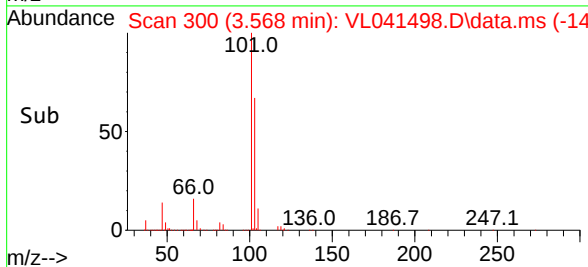
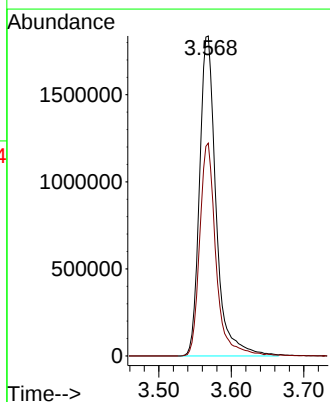
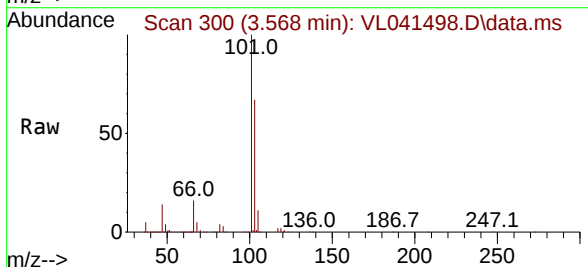
Manual Integrations
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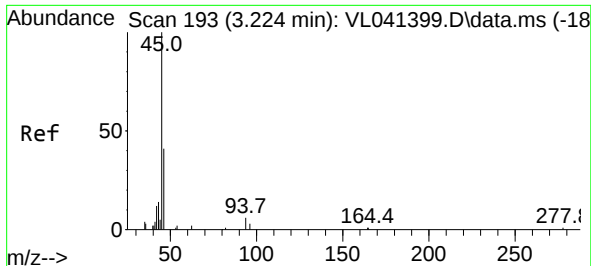
Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024



#11
 Trichlorofluoromethane
 Concen: 18.599 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. 0.007 min
 Lab File: VL041498.D
 Acq: 5 Aug 2024 13:07

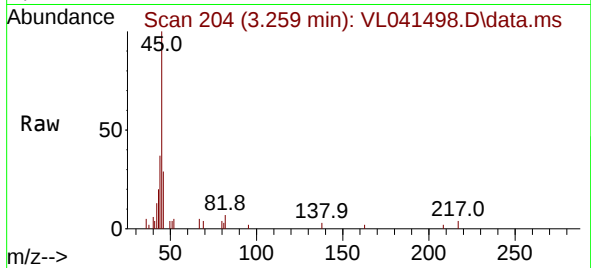
Tgt Ion:101 Resp: 2916690
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.6 79.0





#13
Ethanol
Concen: 2.904 ppbv m
RT: 3.259 min Scan# 204
Delta R.T. 0.016 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07

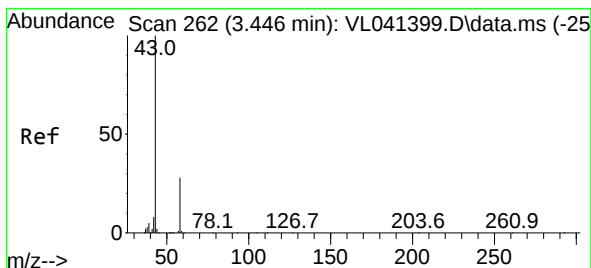
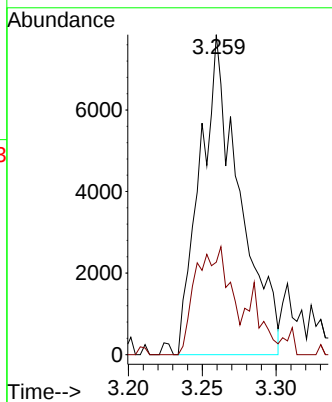
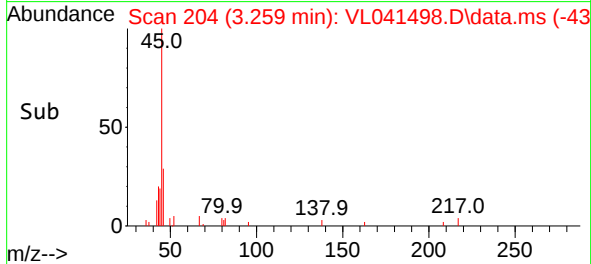
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



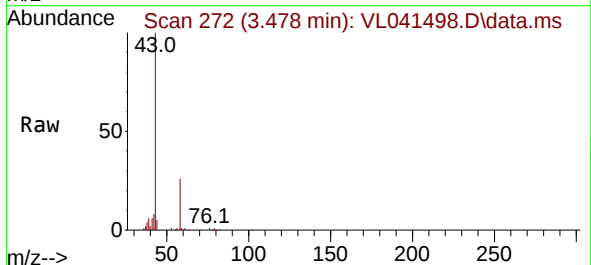
Tgt Ion: 45 Resp: 14568
Ion Ratio Lower Upper
45 100
46 0.0 13.4 53.4

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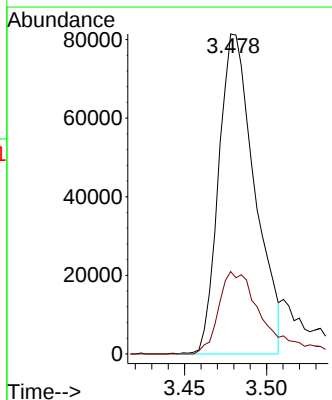
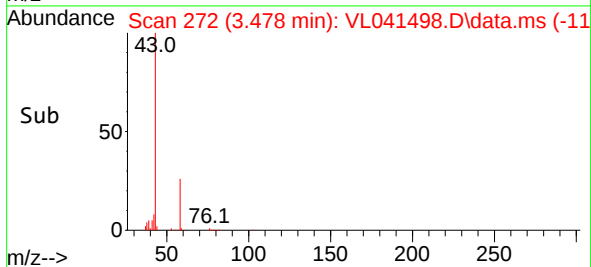
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

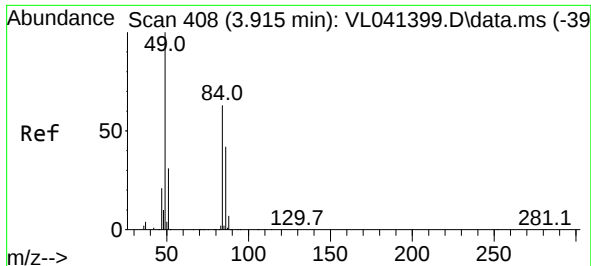


#15
Acetone
Concen: 1.065 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.010 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07



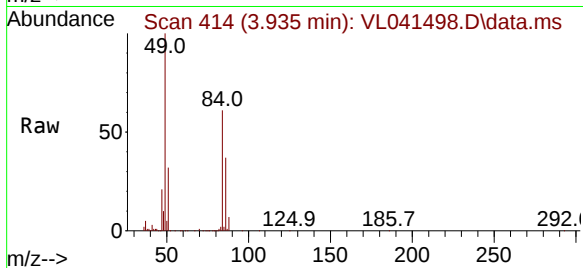
Tgt Ion: 43 Resp: 124216
Ion Ratio Lower Upper
43 100
58 31.8 21.4 32.2





#20
Methylene Chloride
Concen: 4.198 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.003 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07

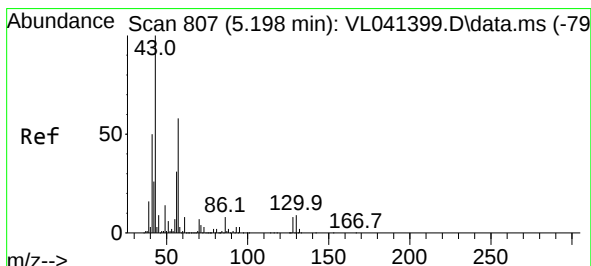
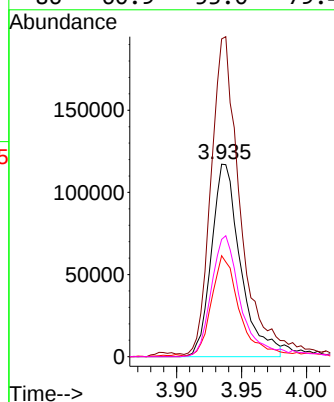
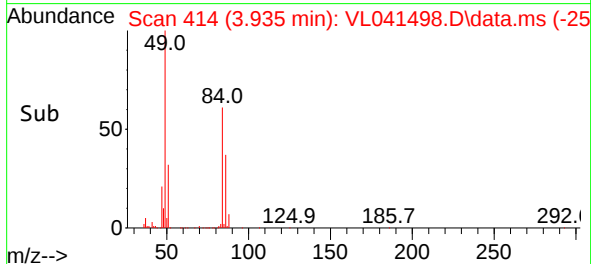
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



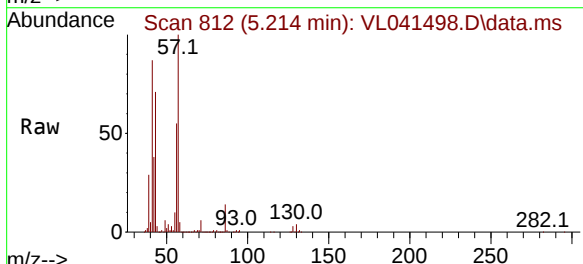
Tgt Ion: 84 Resp: 182584
Ion Ratio Lower Upper
84 100
49 163.5 126.6 190.0
51 51.8 38.6 58.0
86 60.9 53.0 79.4

Manual Integrations
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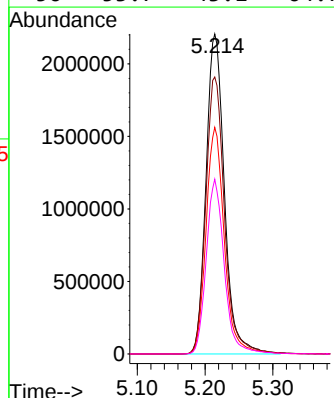
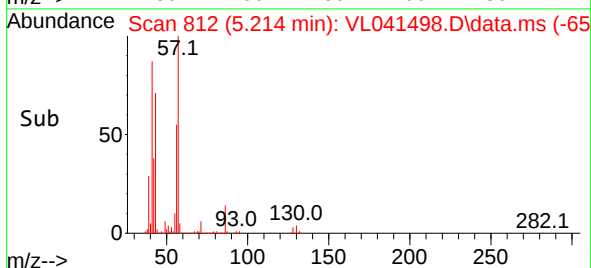
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

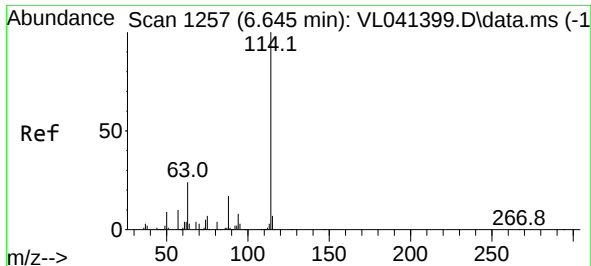


#26
Hexane
Concen: 43.274 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07



Tgt Ion: 57 Resp: 4159236
Ion Ratio Lower Upper
57 100
41 88.8 74.0 111.0
43 70.6 193.6 290.4#
56 53.7 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. 0.007 min

Lab File: VL041498.D

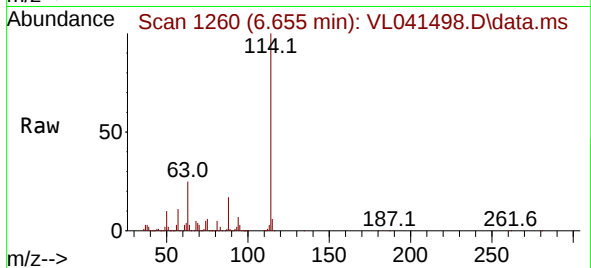
Acq: 5 Aug 2024 13:07

Instrument :

MSVOA_L

ClientSampleId :

E069-1100



Tgt Ion:114 Resp: 281528

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

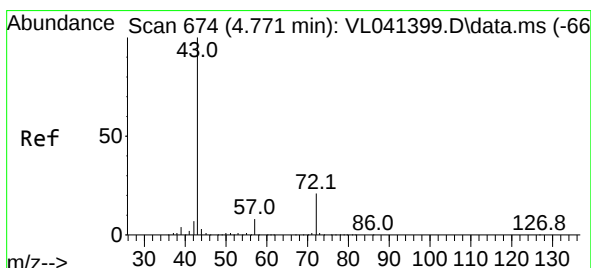
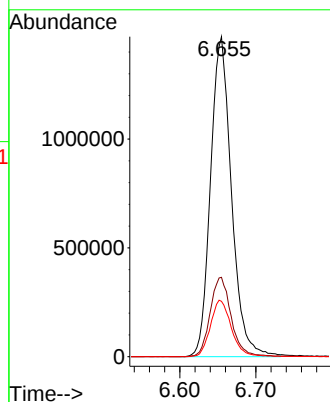
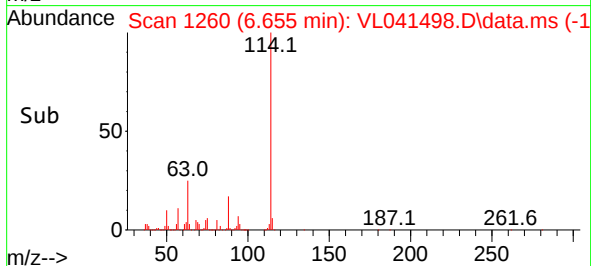
88 17.8 14.3 21.5

Manual Integrations

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Supervised By :Mahesh Dadoda 08/09/2024



#34

2-Butanone

Concen: 0.186 ppbv m

RT: 4.806 min Scan# 685

Delta R.T. 0.023 min

Lab File: VL041498.D

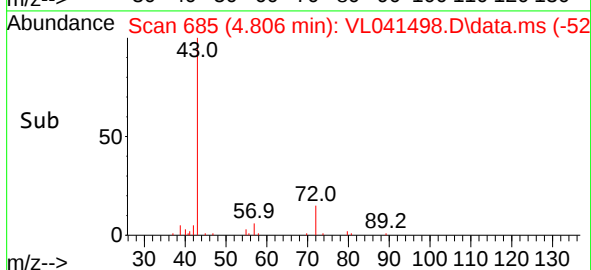
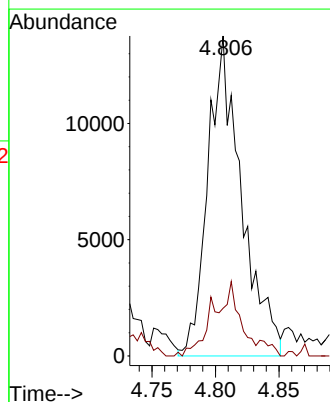
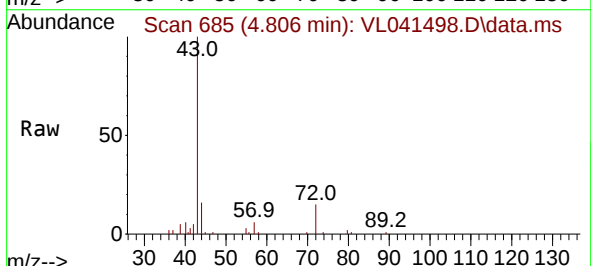
Acq: 5 Aug 2024 13:07

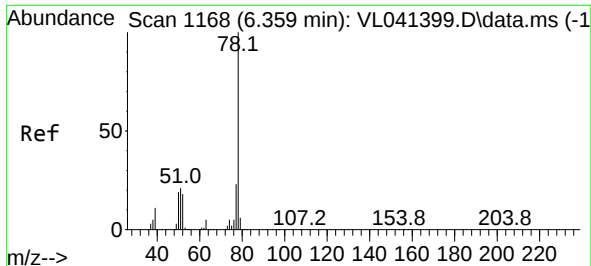
Tgt Ion: 43 Resp: 25277

Ion Ratio Lower Upper

43 100

72 0.0 17.3 25.9#





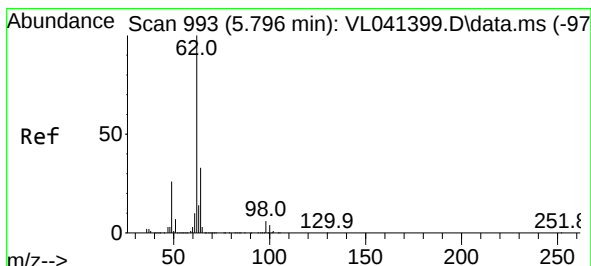
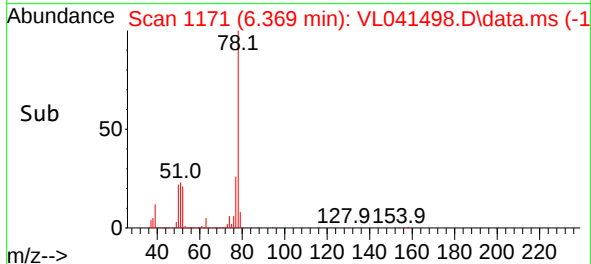
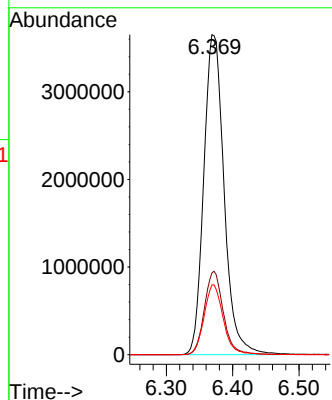
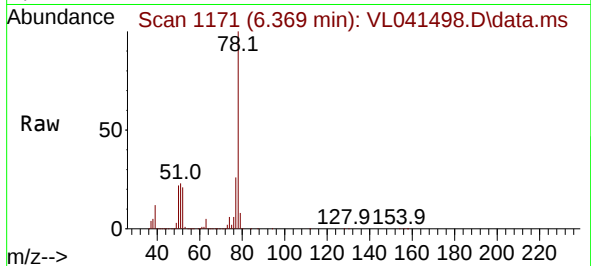
#36
Benzene
Concen: 37.880 ppbv
RT: 6.369 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07

Instrument :
MSVOA_L
ClientSampleId :
E069-1100

Tgt Ion: 78 Resp: 779250
Ion Ratio Lower Upper
78 100
77 25.6 18.1 27.1
50 21.8 15.5 23.3

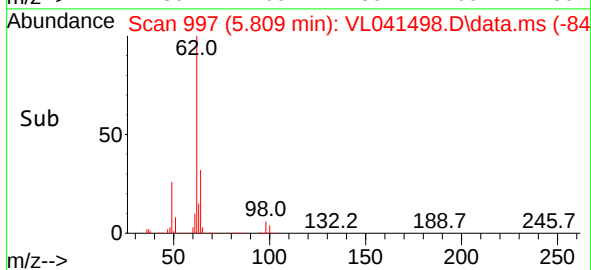
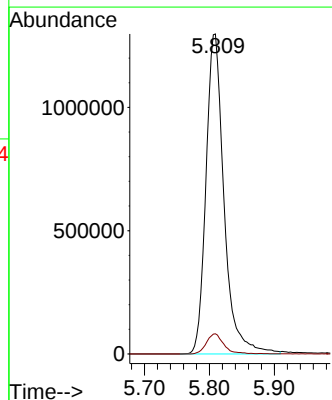
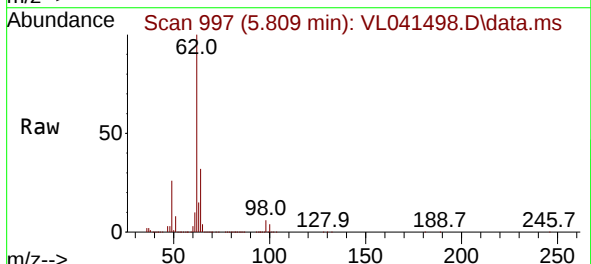
Manual Integrations
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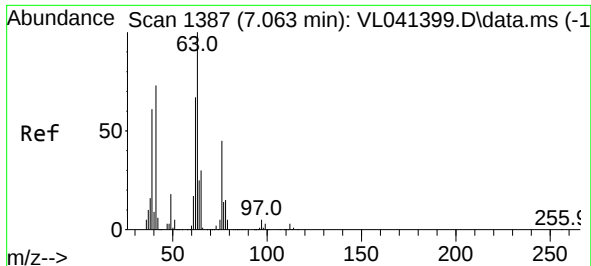
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#37
1,2-Dichloroethane
Concen: 21.844 ppbv
RT: 5.809 min Scan# 997
Delta R.T. 0.003 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07

Tgt Ion: 62 Resp: 2514979
Ion Ratio Lower Upper
62 100
98 6.2 5.0 7.4





#39

1,2-Dichloropropane

Concen: 21.213 ppbv

RT: 7.073 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VL041498.D

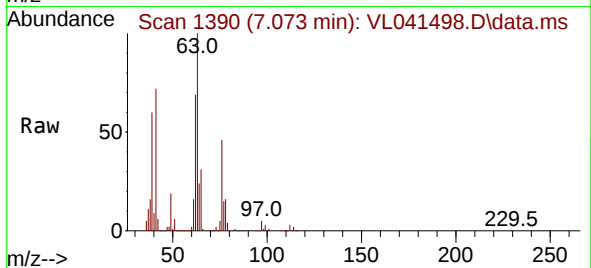
Acq: 5 Aug 2024 13:07

Instrument :

MSVOA_L

ClientSampleId :

E069-1100



Tgt Ion: 63 Resp: 1670650

Ion Ratio Lower Upper

63 100

41 72.3 58.3 87.5

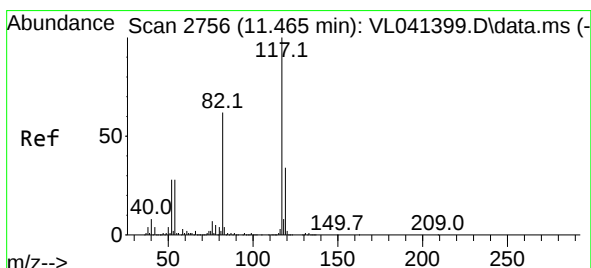
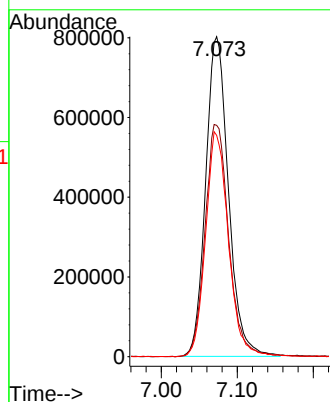
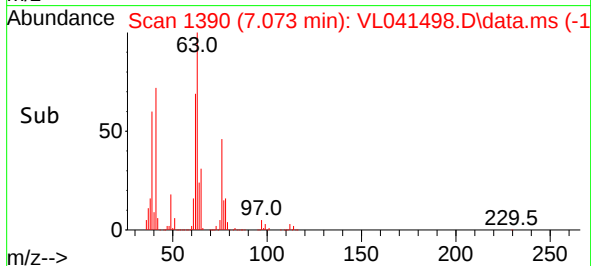
62 69.0 53.9 80.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.003 min

Lab File: VL041498.D

Acq: 5 Aug 2024 13:07

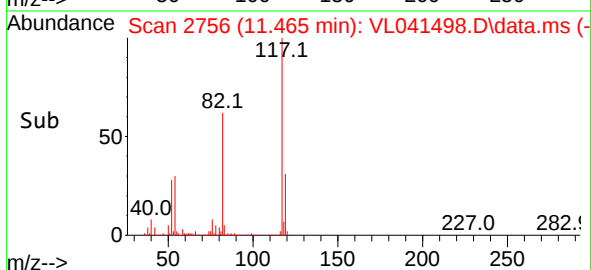
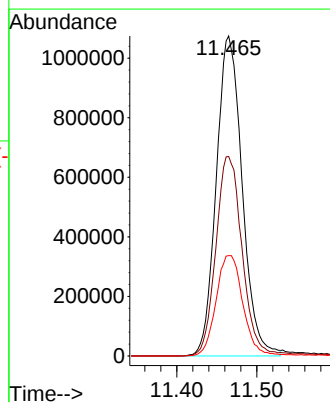
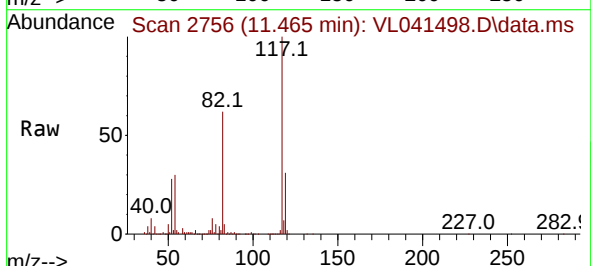
Tgt Ion:117 Resp: 2417190

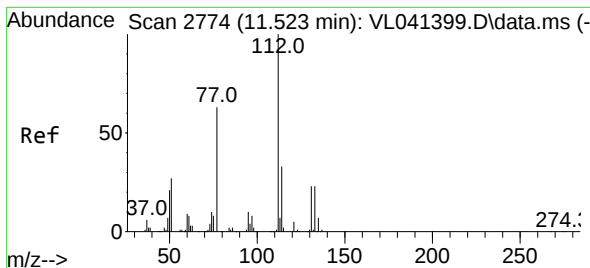
Ion Ratio Lower Upper

117 100

82 64.5 51.0 76.6

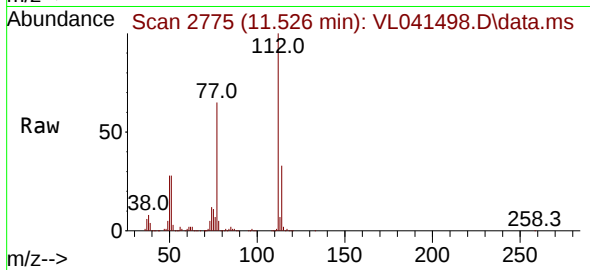
119 33.2 45.2 67.8





#57
Chlorobenzene
Concen: 19.397 ppbv
RT: 11.526 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07

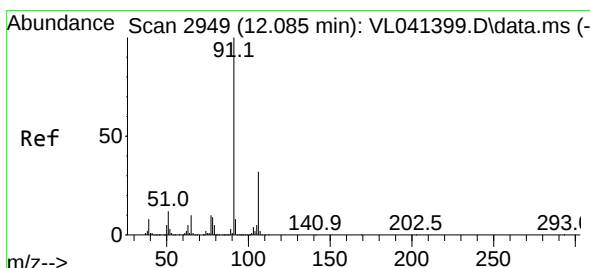
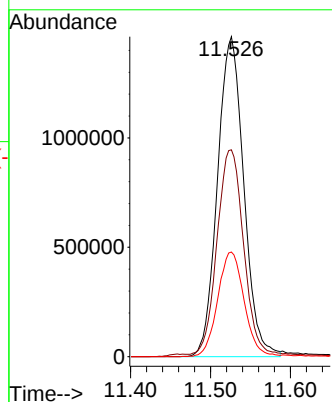
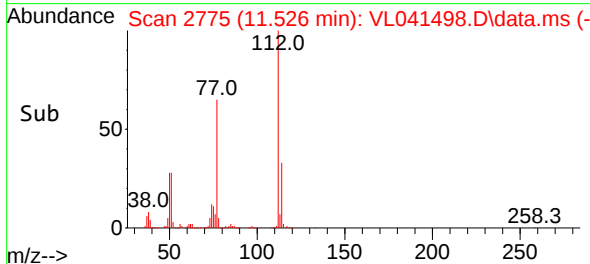
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion:112 Resp: 3338210
Ion Ratio Lower Upper
112 100
77 63.9 51.1 76.7
114 32.7 29.5 36.1

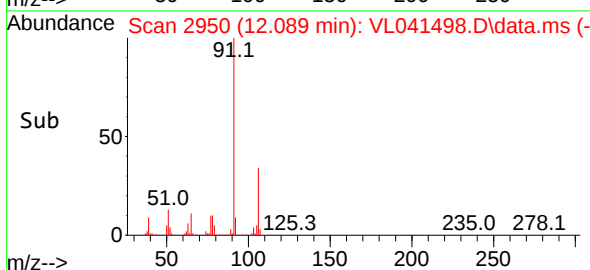
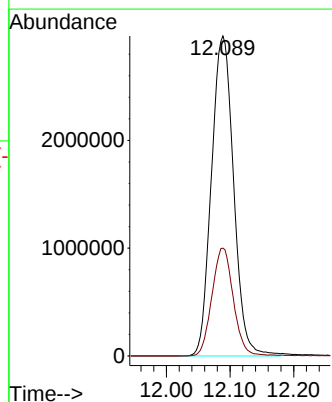
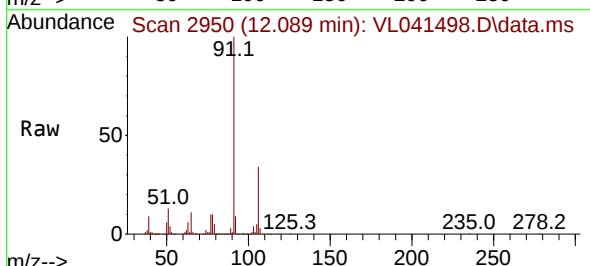
Manual Integrations
APPROVED

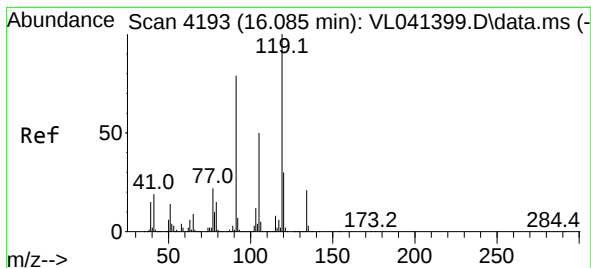
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#58
Ethyl Benzene
Concen: 25.811 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07

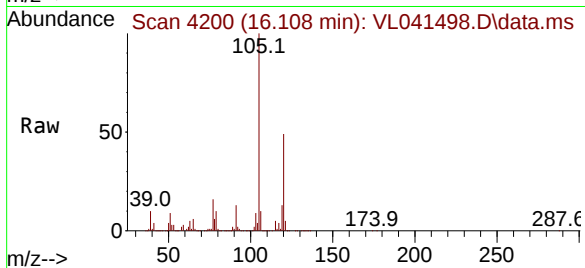
Tgt Ion: 91 Resp: 7191002
Ion Ratio Lower Upper
91 100
106 33.7 25.8 38.8





#65
tert-Butylbenzene
Concen: 3.210 ppbv
RT: 16.108 min Scan# 4193
Delta R.T. 0.026 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07

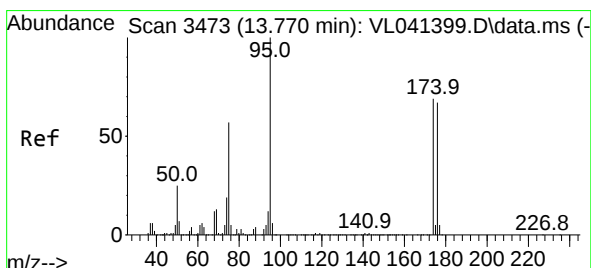
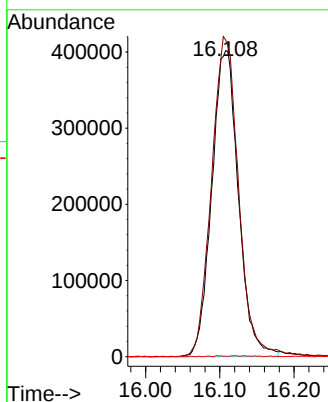
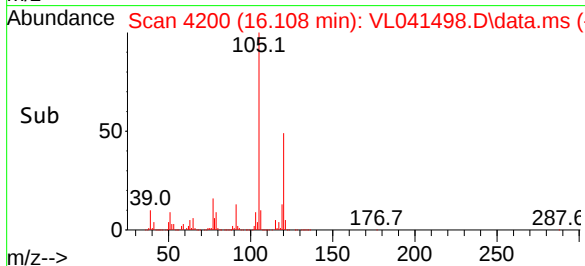
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion:119 Resp: 100265
Ion Ratio Lower Upper
119 100
91 106.9 64.2 96.2
134 0.3 15.7 23.5

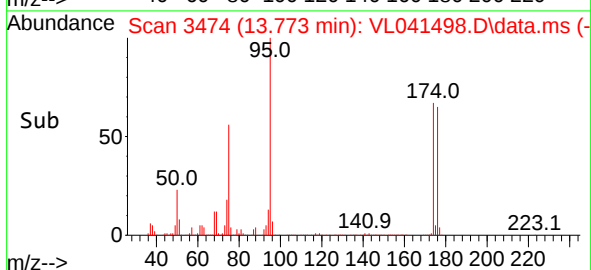
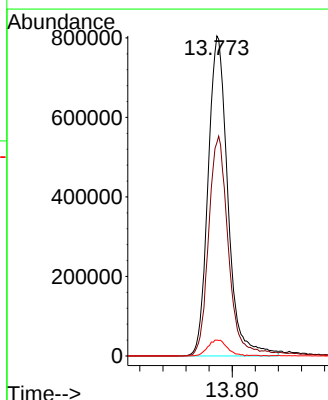
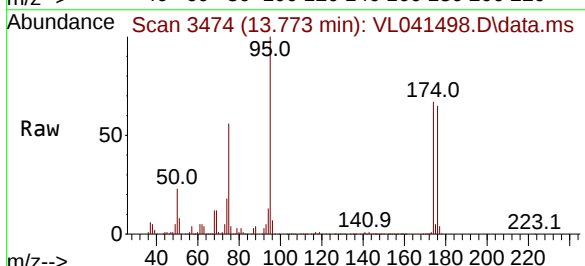
Manual Integrations
APPROVED

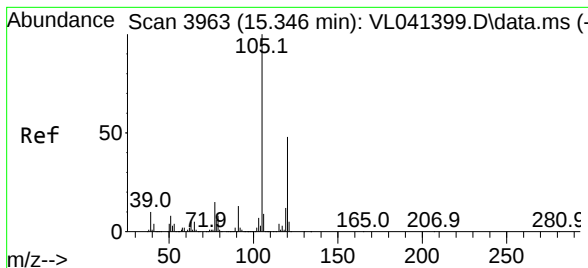
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.289 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. 0.007 min
Lab File: VL041498.D
Acq: 5 Aug 2024 13:07

Tgt Ion: 95 Resp: 1913846
Ion Ratio Lower Upper
95 100
174 69.9 56.3 84.5
175 5.0 4.0 6.0





#73

1,3,5-Trimethylbenzene

Concen: 40.668 ppbv

RT: 15.352 min Scan# 3963

Delta R.T. 0.007 min

Lab File: VL041498.D

Acq: 5 Aug 2024 13:07

Instrument :

MSVOA_L

ClientSampleId :

E069-1100

Tgt Ion:105 Resp: 938428

Ion Ratio Lower Upper

105 100

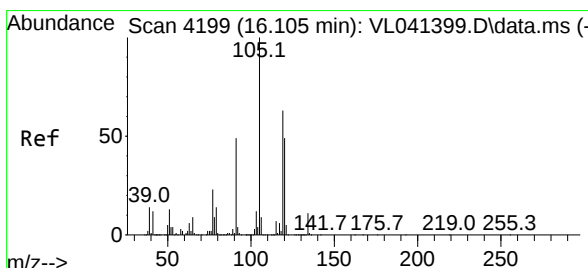
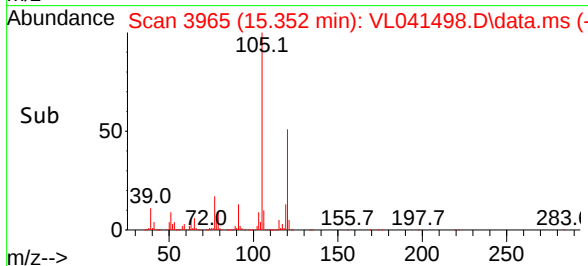
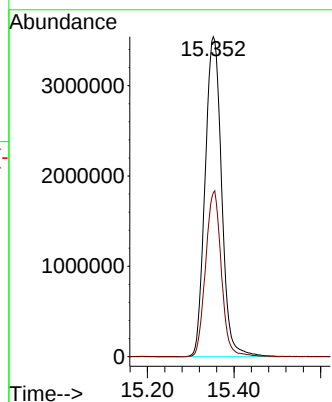
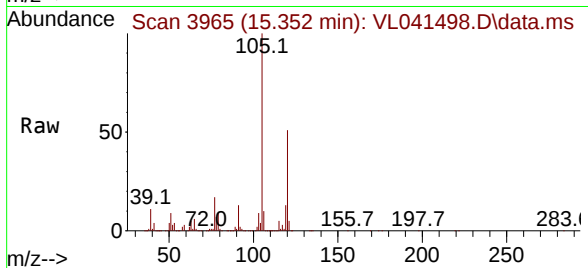
120 51.2 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 31.418 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.007 min

Lab File: VL041498.D

Acq: 5 Aug 2024 13:07

Tgt Ion:105 Resp: 8428678

Ion Ratio Lower Upper

105 100

120 48.9 39.5 59.3

91 13.0 39.8 59.8#

77 15.8 18.2 27.4#

