

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
 Data File : VL041500.D
 Acq On : 5 Aug 2024 14:52
 Operator : SY/MD
 Sample : P3454-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 01:37:56 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 09 12:35:32 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	5.198	49	1108900	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3057984	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2840872	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2174696	9.947	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
						Qvalue
4) Chloromethane	2.825	50	285882	4.072	ppbv	100
5) Vinyl Chloride	2.935	62	22511	0.325	ppbv	98
9) Propene	2.710	41	5912m	0.097	ppbv	
11) Trichlorofluoromethane	3.571	101	724474	4.276	ppbv	98
13) Ethanol	3.272	45	3582m	0.661	ppbv	
15) Acetone	3.491	43	45476	0.361	ppbv	# 89
20) Methylene Chloride	3.941	84	62177	1.323	ppbv	# 83
26) Hexane	5.218	57	993607	9.569	ppbv	# 37
36) Benzene	6.372	78	1968039	8.808	ppbv	99
37) 1,2-Dichloroethane	5.809	62	573243	4.584	ppbv	100
39) 1,2-Dichloropropane	7.076	63	374722	4.380	ppbv	99
57) Chlorobenzene	11.526	112	787012	3.891	ppbv	98
58) Ethyl Benzene	12.089	91	1678111	5.125	ppbv	99
65) tert-Butylbenzene	16.108	119	213993	0.583	ppbv	# 62
73) 1,3,5-Trimethylbenzene	15.352	105	2242989	8.271	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	1922856	6.099	ppbv	# 71

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

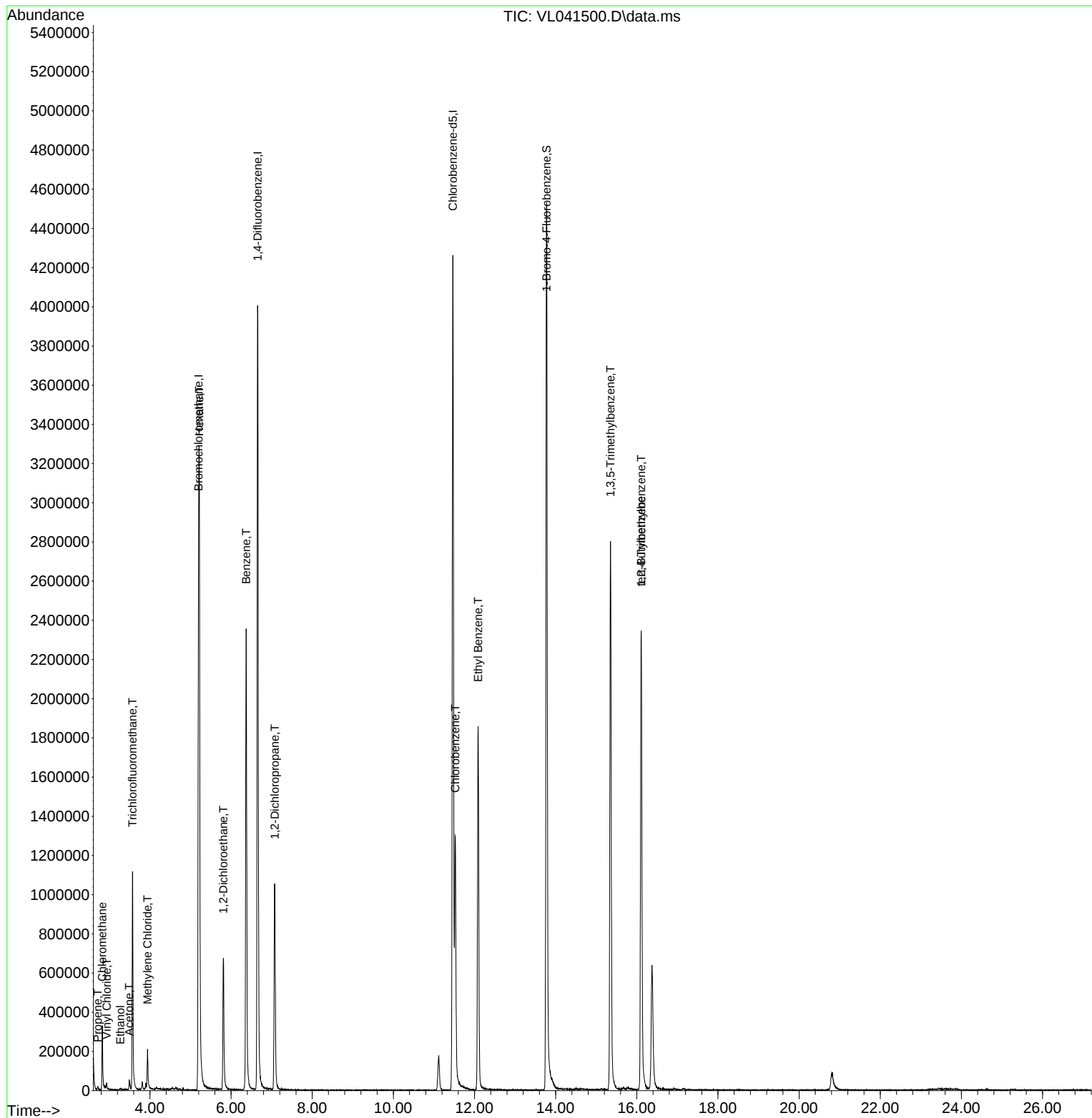
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
Data File : VL041500.D
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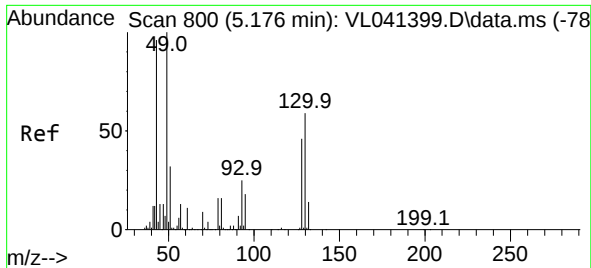
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL

Quant Time: Aug 06 01:37:56 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

Manual Integrations
APPROVED

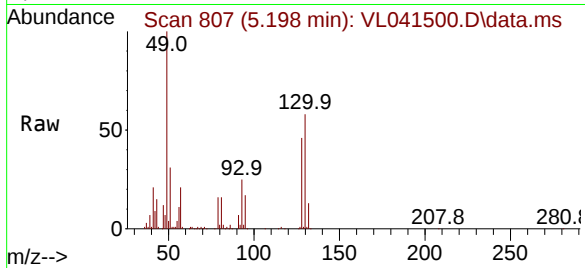
Reviewed By : Semsettin Yesilyurt 08/09/2024
Supervised By : Mahesh Dadoda 08/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

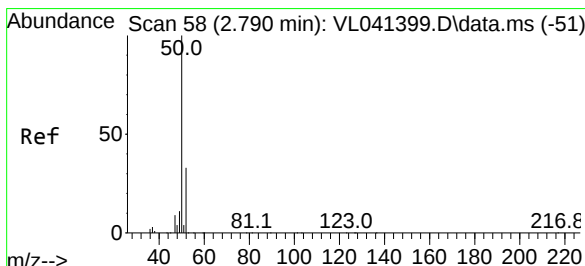
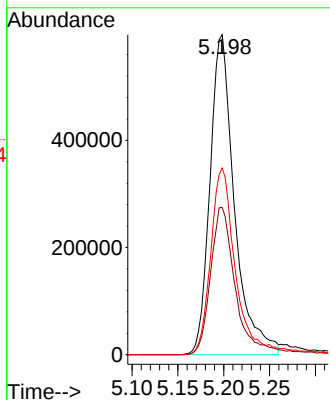
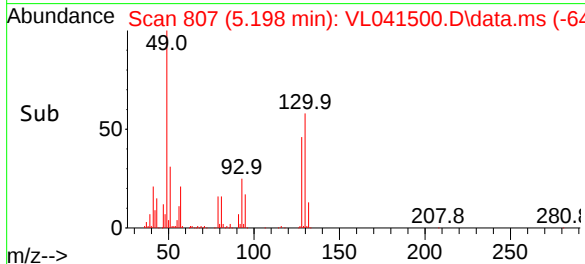
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



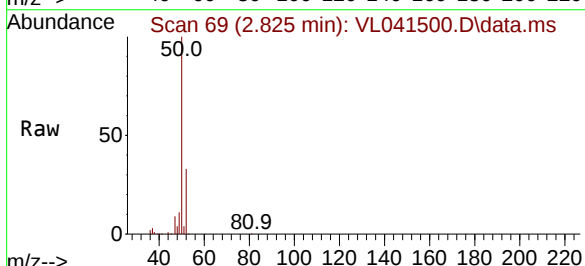
Tgt Ion: 49 Resp: 1108900
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.4
130 61.6 30.8 92.4

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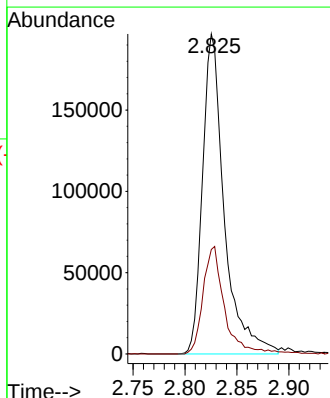
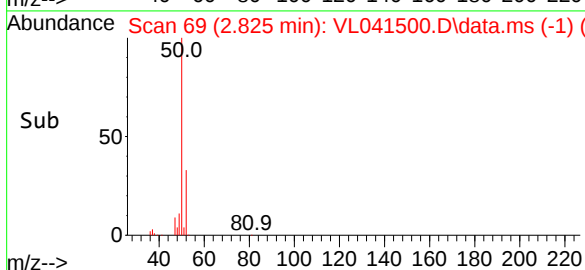
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

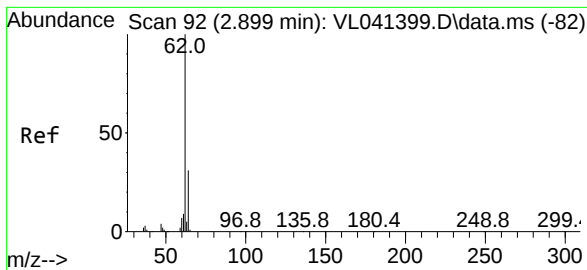


#4
Chloromethane
Concen: 4.072 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.010 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52



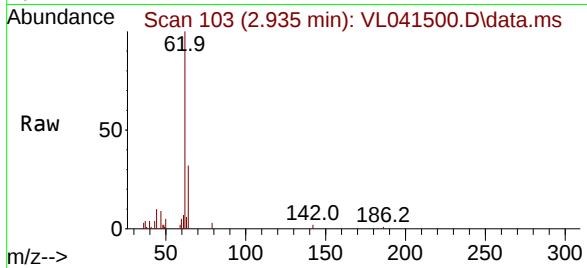
Tgt Ion: 50 Resp: 285882
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1





#5
 Vinyl Chloride
 Concen: 0.325 ppbv
 RT: 2.935 min Scan# 103
 Delta R.T. 0.013 min
 Lab File: VL041500.D
 Acq: 5 Aug 2024 14:52

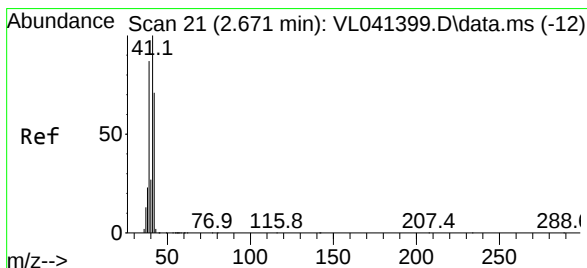
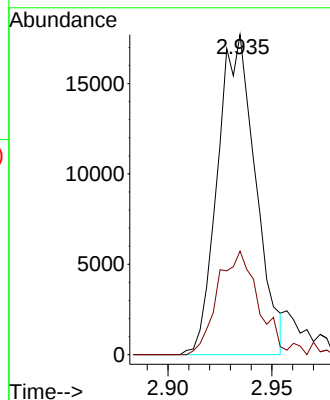
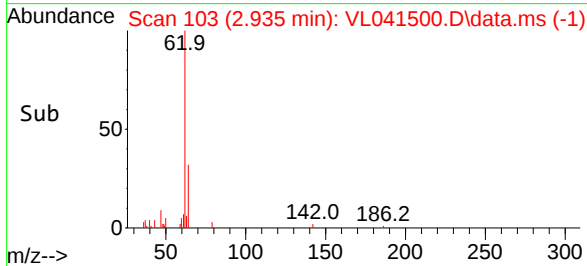
Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100DL



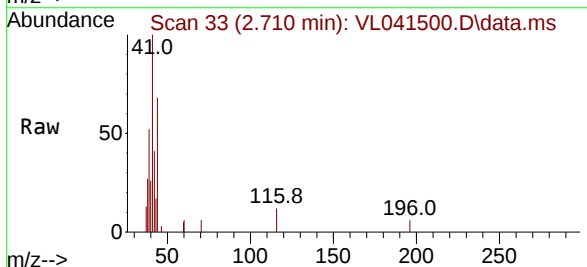
Tgt Ion: 62 Resp: 2251
 Ion Ratio Lower Upper
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 64 32.3 25.0 37.4

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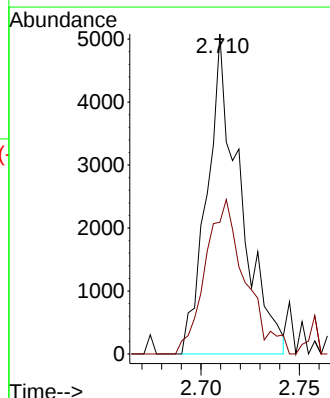
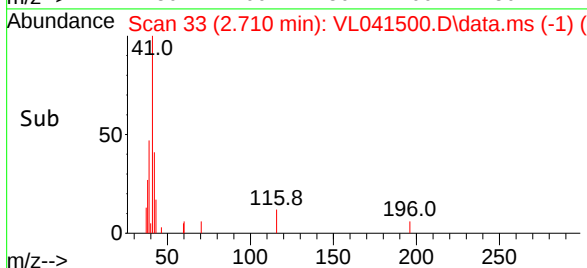
Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024

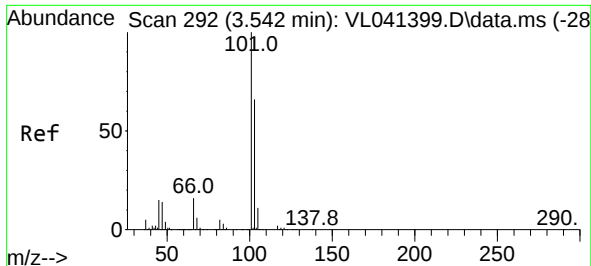


#9
 Propene
 Concen: 0.097 ppbv m
 RT: 2.710 min Scan# 33
 Delta R.T. 0.013 min
 Lab File: VL041500.D
 Acq: 5 Aug 2024 14:52



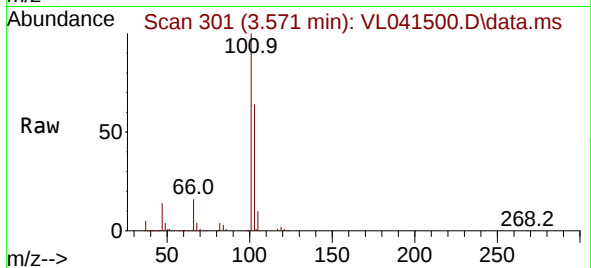
Tgt Ion: 41 Resp: 5912
 Ion Ratio Lower Upper
 41 100
 42 61.4 55.9 83.9





#11
Trichlorofluoromethane
Concen: 4.276 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

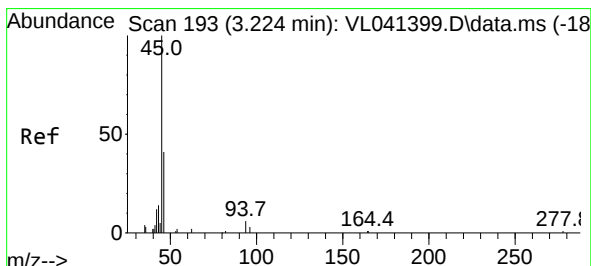
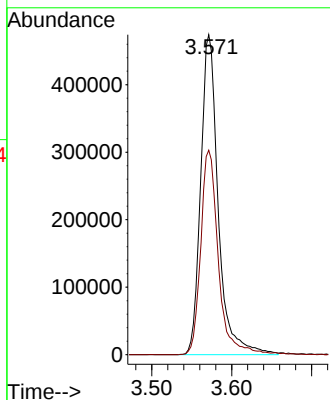
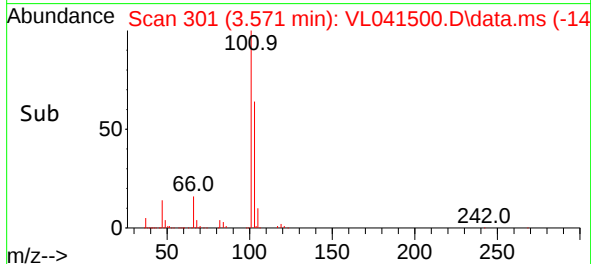
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



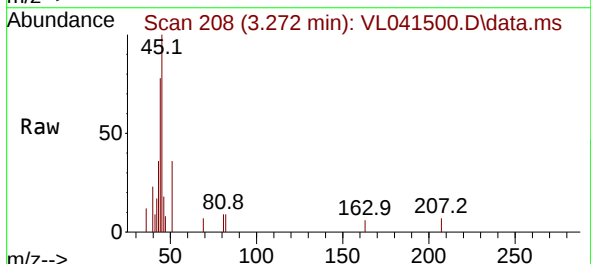
Tgt Ion: 101 Resp: 724474
Ion Ratio Lower Upper
101 100
103 63.9 52.6 79.0

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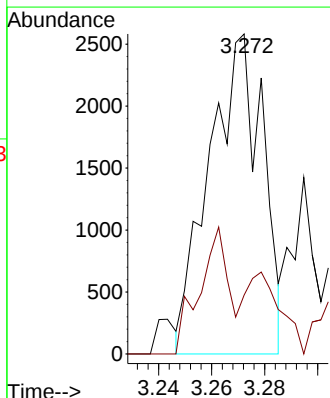
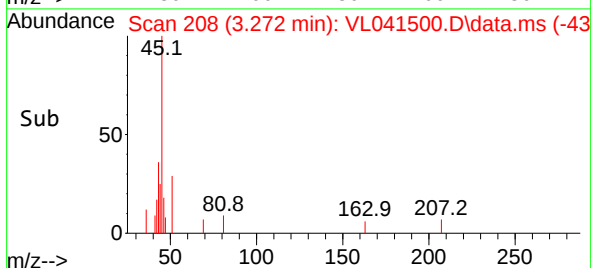
Reviewed By : Semsettin Yesilyurt 08/09/2024
Supervised By : Mahesh Dadoda 08/09/2024

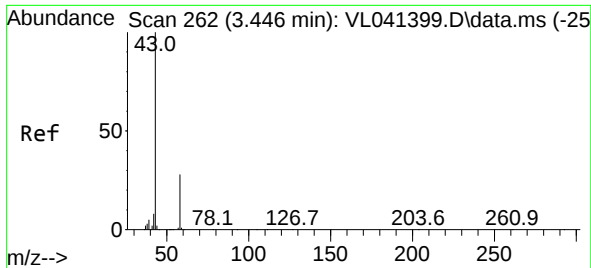


#13
Ethanol
Concen: 0.661 ppbv m
RT: 3.272 min Scan# 208
Delta R.T. 0.029 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52



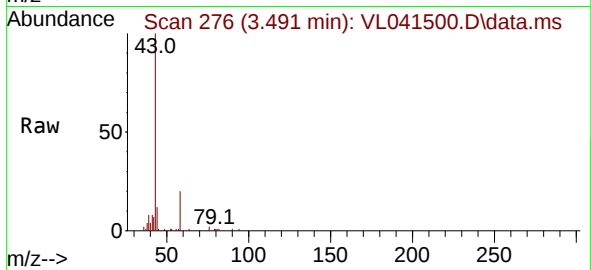
Tgt Ion: 45 Resp: 3582
Ion Ratio Lower Upper
45 100
46 0.0 13.4 53.4#





#15
Acetone
Concen: 0.361 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

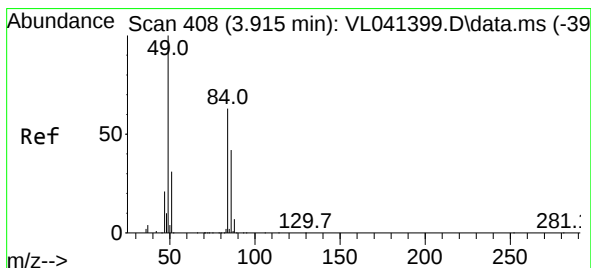
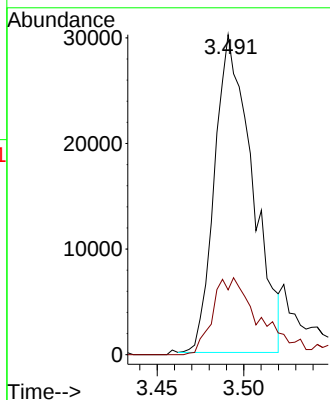
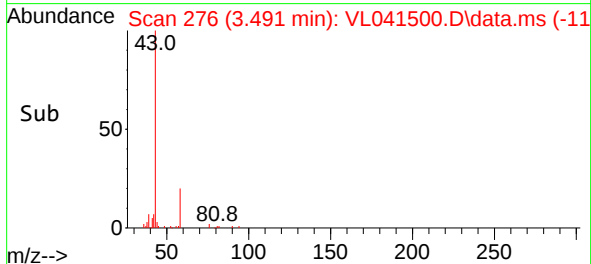
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



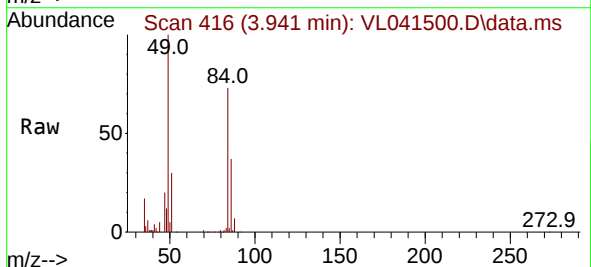
Tgt Ion: 43 Resp: 45470
Ion Ratio Lower Upper
43 100
58 32.7 21.4 32.2

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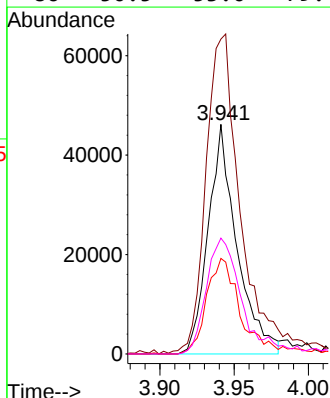
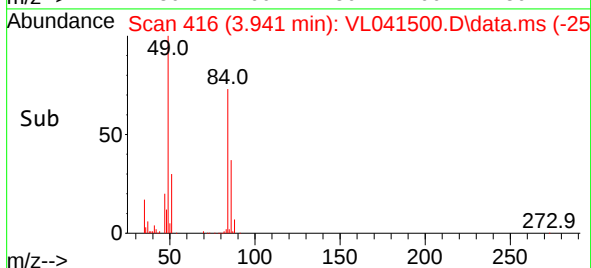
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

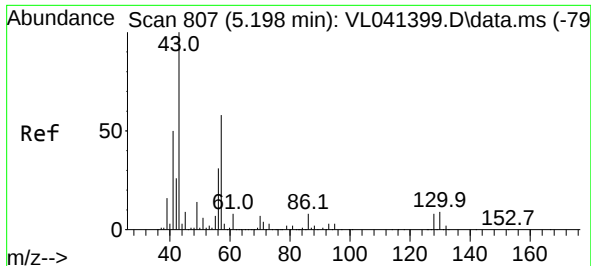


#20
Methylene Chloride
Concen: 1.323 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.010 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52



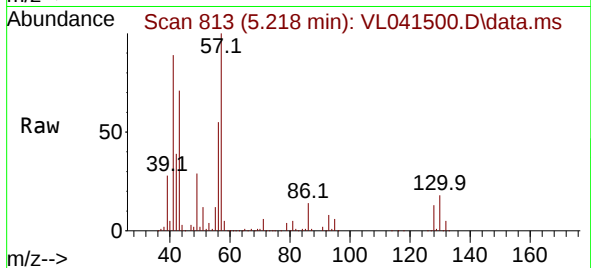
Tgt Ion: 84 Resp: 62177
Ion Ratio Lower Upper
84 100
49 135.7 126.6 190.0
51 41.6 38.6 58.0
86 50.5 53.0 79.4





#26
Hexane
Concen: 9.569 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.006 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

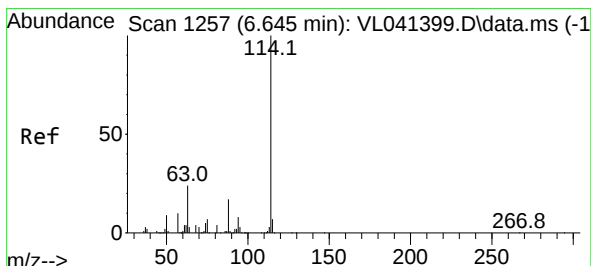
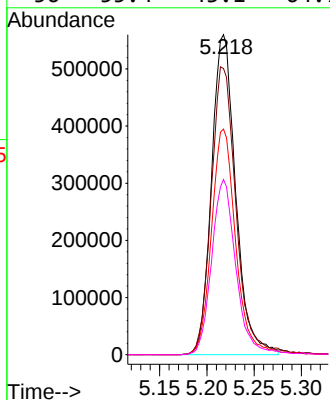
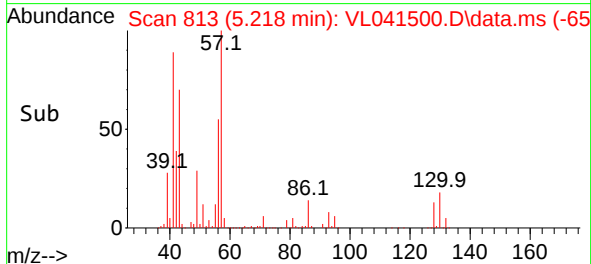
Instrument :
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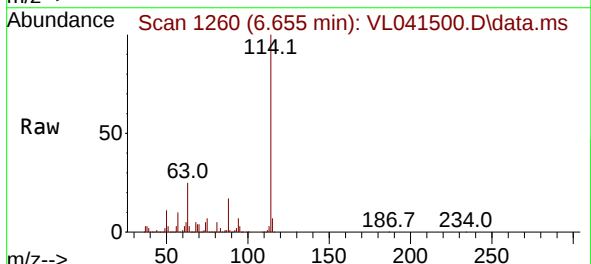
Tgt Ion: 57 Resp: 993607
Ion Ratio Lower Upper
57 100
41 93.5 74.0 111.0
43 71.4 193.6 290.4
56 55.4 43.1 64.7

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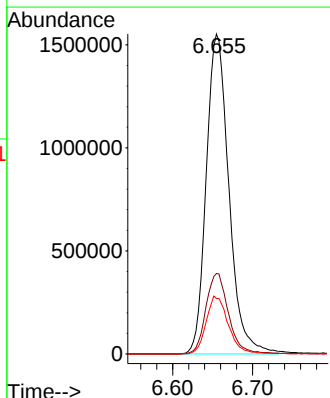
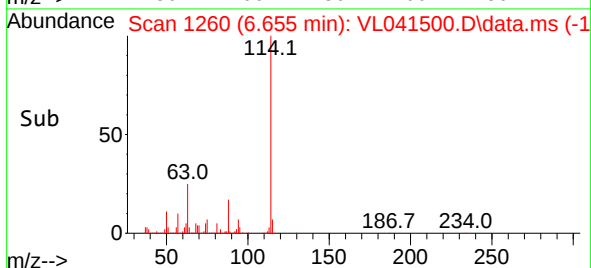
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

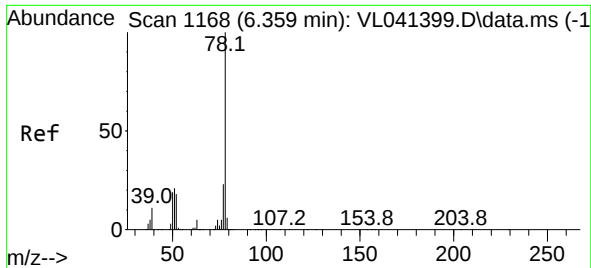


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.007 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52



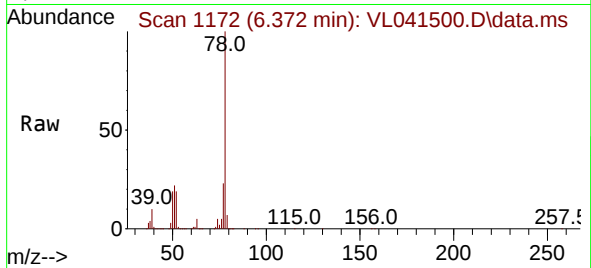
Tgt Ion:114 Resp: 3057984
Ion Ratio Lower Upper
114 100
63 25.2 20.3 30.5
88 17.8 14.3 21.5





#36
Benzene
Concen: 8.808 ppbv
RT: 6.372 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

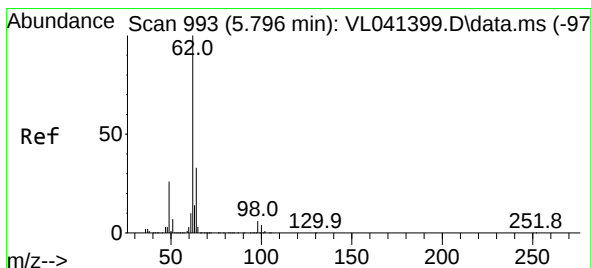
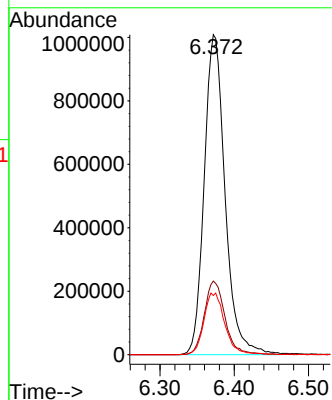
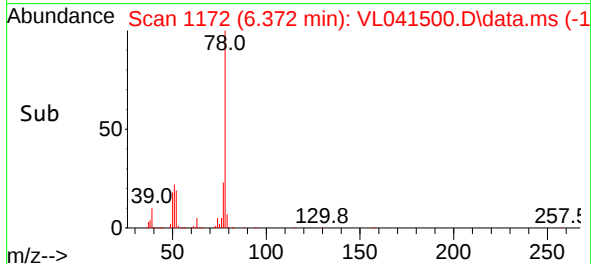
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 78 Resp: 1968039
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1
50 18.5 15.5 23.3

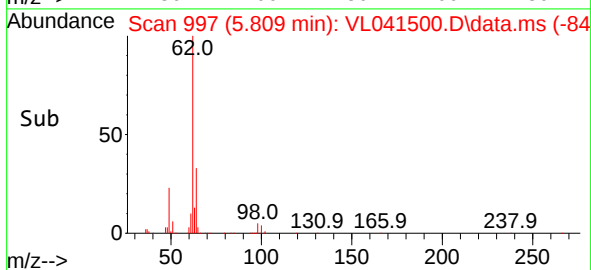
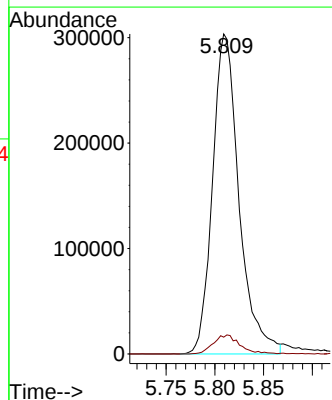
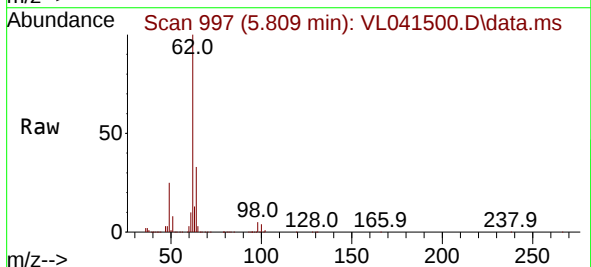
Manual Integrations
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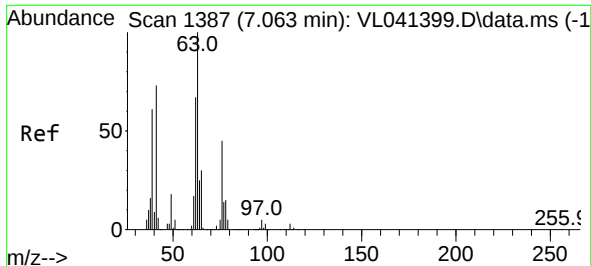
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#37
1,2-Dichloroethane
Concen: 4.584 ppbv
RT: 5.809 min Scan# 997
Delta R.T. 0.003 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

Tgt Ion: 62 Resp: 573243
Ion Ratio Lower Upper
62 100
98 6.1 5.0 7.4





#39

1,2-Dichloropropane

Concen: 4.380 ppbv

RT: 7.076 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041500.D

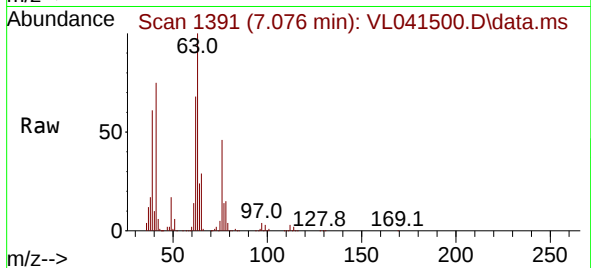
Acq: 5 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

E069-1100DL



Tgt Ion: 63 Resp: 37472

Ion Ratio Lower Upper

63 100

41 74.5 58.3 87.5

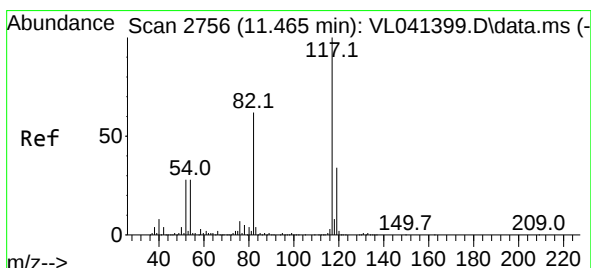
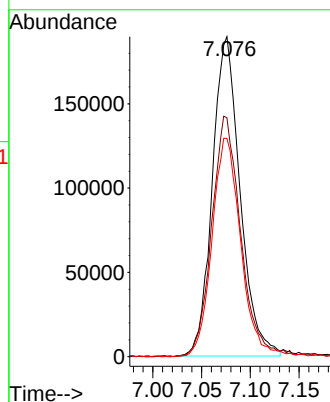
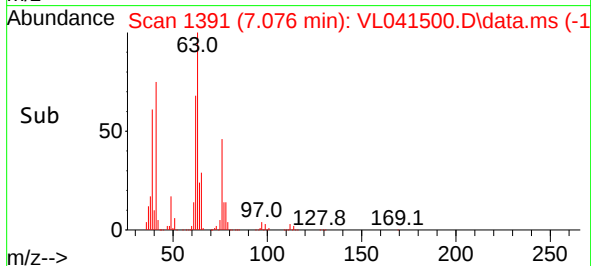
62 68.2 53.9 80.9

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: 11.468 min Scan# 2757

Delta R.T. 0.007 min

Lab File: VL041500.D

Acq: 5 Aug 2024 14:52

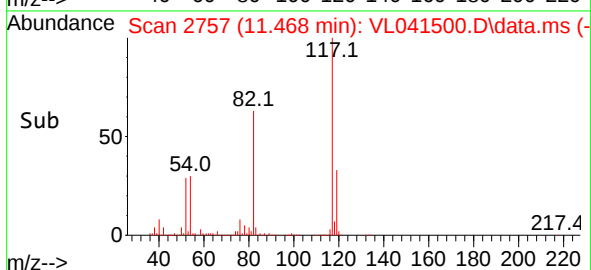
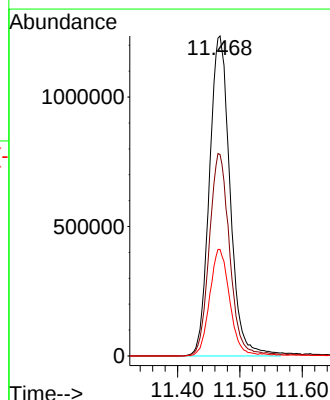
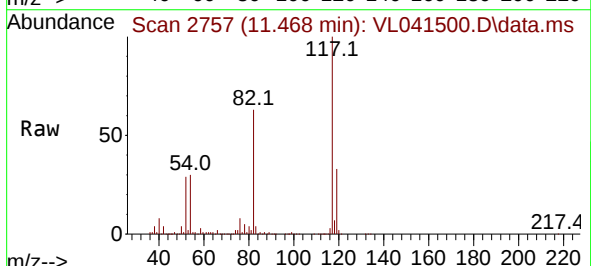
Tgt Ion:117 Resp: 2840872

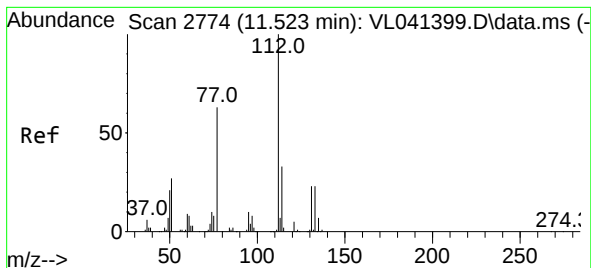
Ion Ratio Lower Upper

117 100

82 63.5 51.0 76.6

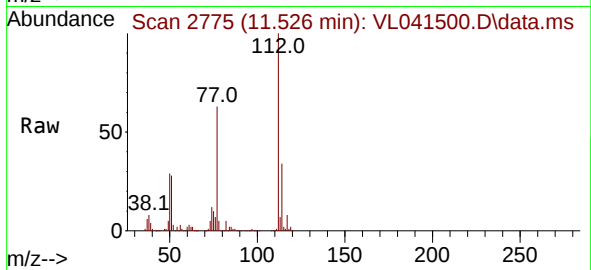
119 33.3 45.2 67.8





#57
Chlorobenzene
Concen: 3.891 ppbv
RT: 11.526 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

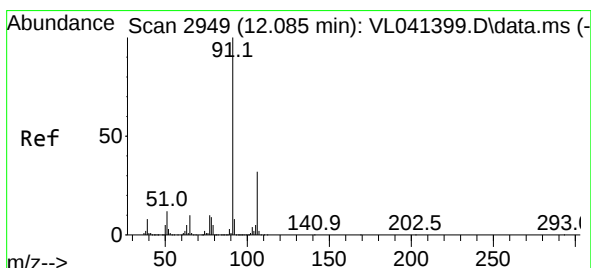
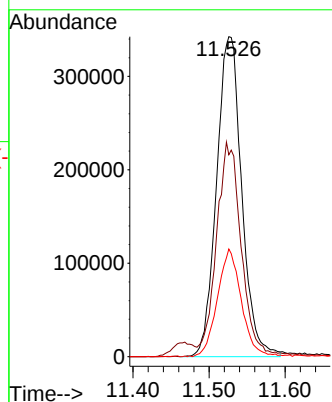
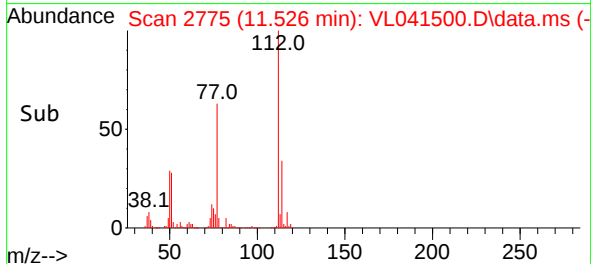
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



Tgt Ion:112 Resp: 787012
Ion Ratio Lower Upper
112 100
77 61.9 51.1 76.7
114 33.6 29.5 36.1

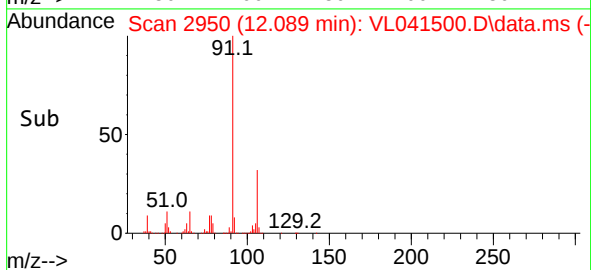
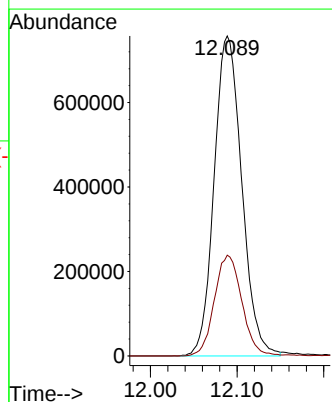
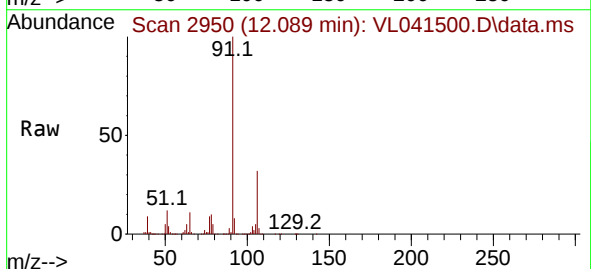
Manual Integrations
APPROVED

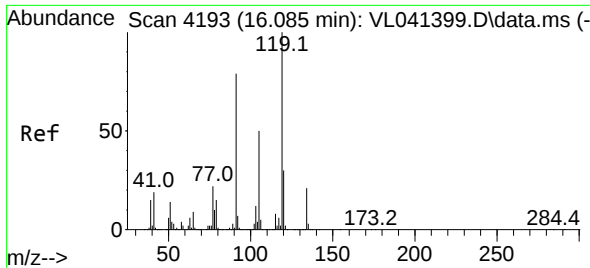
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#58
Ethyl Benzene
Concen: 5.125 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

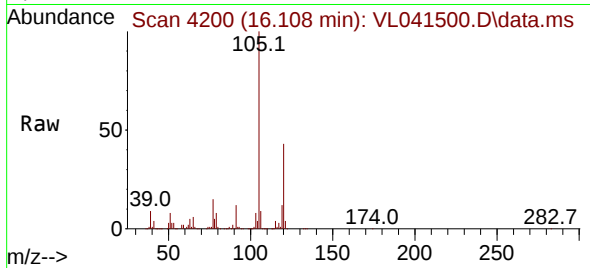
Tgt Ion: 91 Resp: 1678111
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.8





#65
tert-Butylbenzene
Concen: 0.583 ppbv
RT: 16.108 min Scan# 4193
Delta R.T. 0.026 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

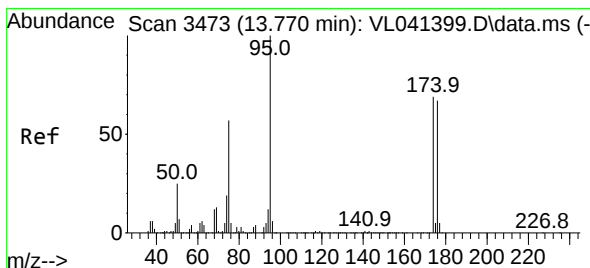
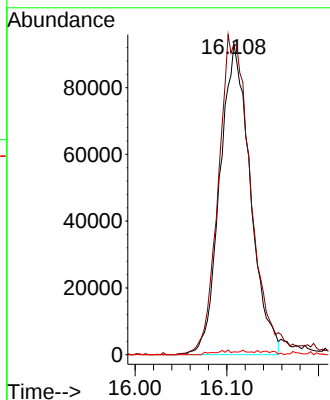
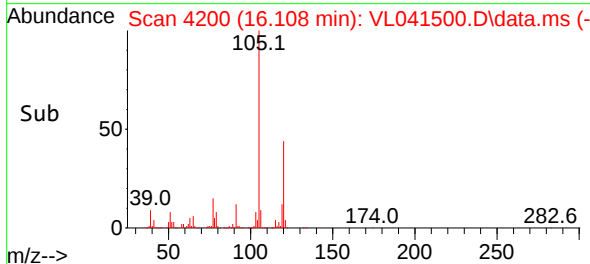
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



Tgt Ion:119 Resp: 21399
Ion Ratio Lower Upper
119 100
91 112.9 64.2 96.2
134 1.3 15.7 23.5

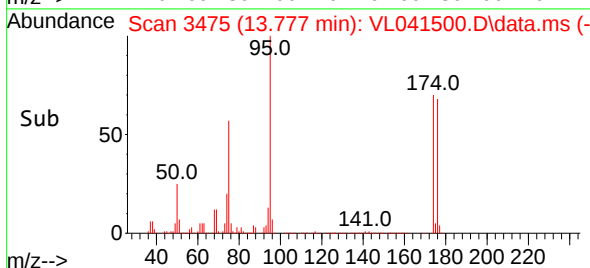
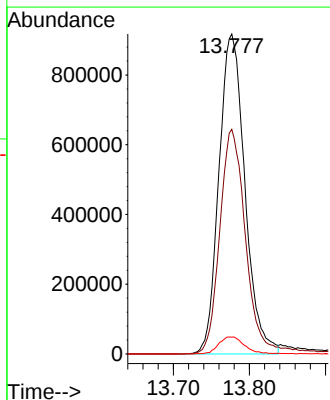
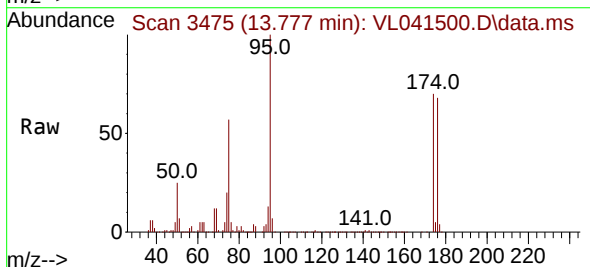
Manual Integrations
APPROVED

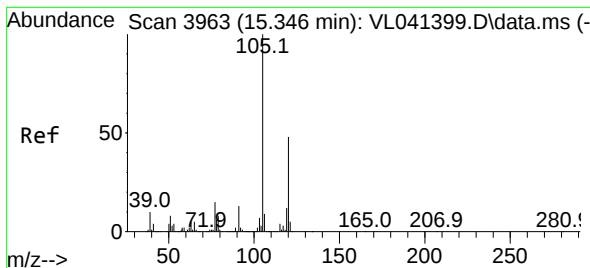
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.947 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.010 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

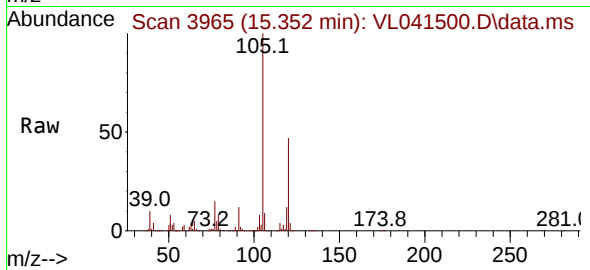
Tgt Ion: 95 Resp: 2174696
Ion Ratio Lower Upper
95 100
174 71.7 56.3 84.5
175 5.5 4.0 6.0





#73
1,3,5-Trimethylbenzene
Concen: 8.271 ppbv
RT: 15.352 min Scan# 3965
Delta R.T. 0.007 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52

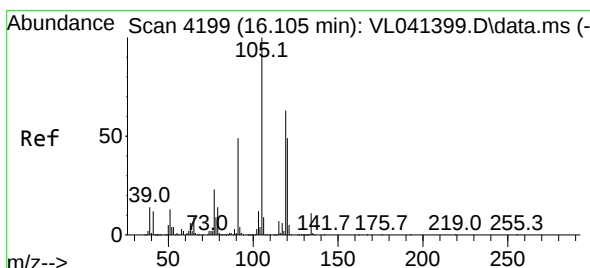
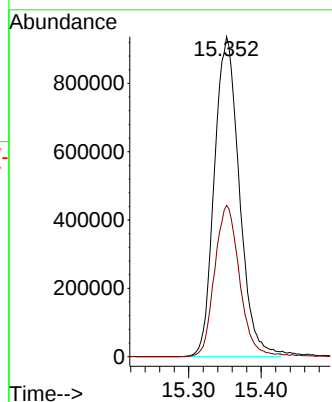
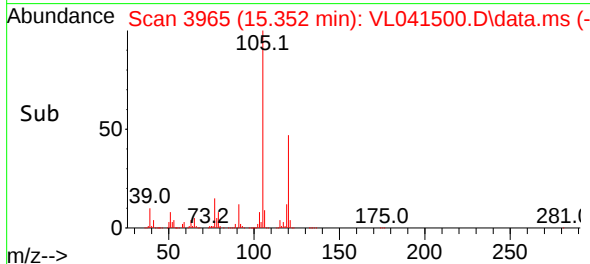
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



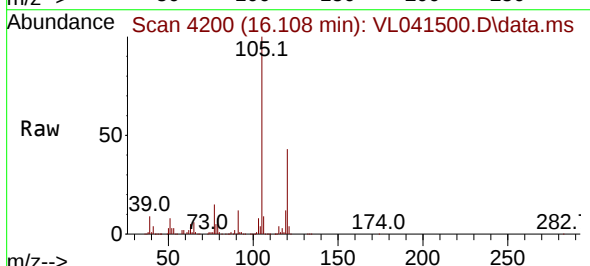
Tgt Ion:105 Resp: 2242989
Ion Ratio Lower Upper
105 100
120 47.3 38.6 57.8

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 6.099 ppbv
RT: 16.108 min Scan# 4200
Delta R.T. 0.006 min
Lab File: VL041500.D
Acq: 5 Aug 2024 14:52



Tgt Ion:105 Resp: 1922856
Ion Ratio Lower Upper
105 100
120 43.5 39.5 59.3
91 11.7 39.8 59.8#
77 15.0 18.2 27.4#

