

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092524\
 Data File : VL041626.D
 Acq On : 25 Sep 2024 16:36
 Operator : SY/MD
 Sample : P4174-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/26/2024
 Supervised By :Mahesh Dadoda 09/26/2024

Quant Time: Sep 26 01:21:24 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	5.169	49	1080988	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2881122	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2557929	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1875270	9.959	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.700	85	34864	0.223	ppbv	92
3) Chlorodifluoromethane	2.645	51	120099	0.916	ppbv	97
4) Chloromethane	2.784	50	21465	0.298	ppbv	93
9) Propene	2.668	41	142628	2.579	ppbv	94
10) Heptane	7.565	43	21363m	0.165	ppbv	
11) Trichlorofluoromethane	3.536	101	44767	0.269	ppbv	94
13) Ethanol	3.214	45	64788	15.582	ppbv	96
15) Acetone	3.436	43	4890026	36.033	ppbv	93
17) tert-Butyl alcohol	3.861	59	38685	0.324	ppbv #	86
19) Isopropyl Alcohol	3.549	45	1314567	18.922	ppbv #	1
20) Methylene Chloride	3.906	84	24855	0.488	ppbv	98
26) Hexane	5.192	57	69521	0.684	ppbv #	35
29) Chloroform	5.253	83	223611	1.345	ppbv	92
32) 1,1,1-Trichloroethane	5.976	97	8003m	0.054	ppbv	
34) 2-Butanone	4.764	43	463601	3.375	ppbv	98
35) Carbon Tetrachloride	6.475	117	33390	0.236	ppbv	89
36) Benzene	6.349	78	91306	0.456	ppbv	99
38) Trichloroethene	7.266	130	6843m	0.066	ppbv	
50) 4-Methyl-2-Pentanone	8.179	43	20895m	0.098	ppbv	
52) Tetrachloroethene	10.600	164	637900	8.804	ppbv	97
53) Toluene	9.205	91	101627	0.478	ppbv	96
59) m/p-Xylene	12.327	91	28883m	0.119	ppbv	

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

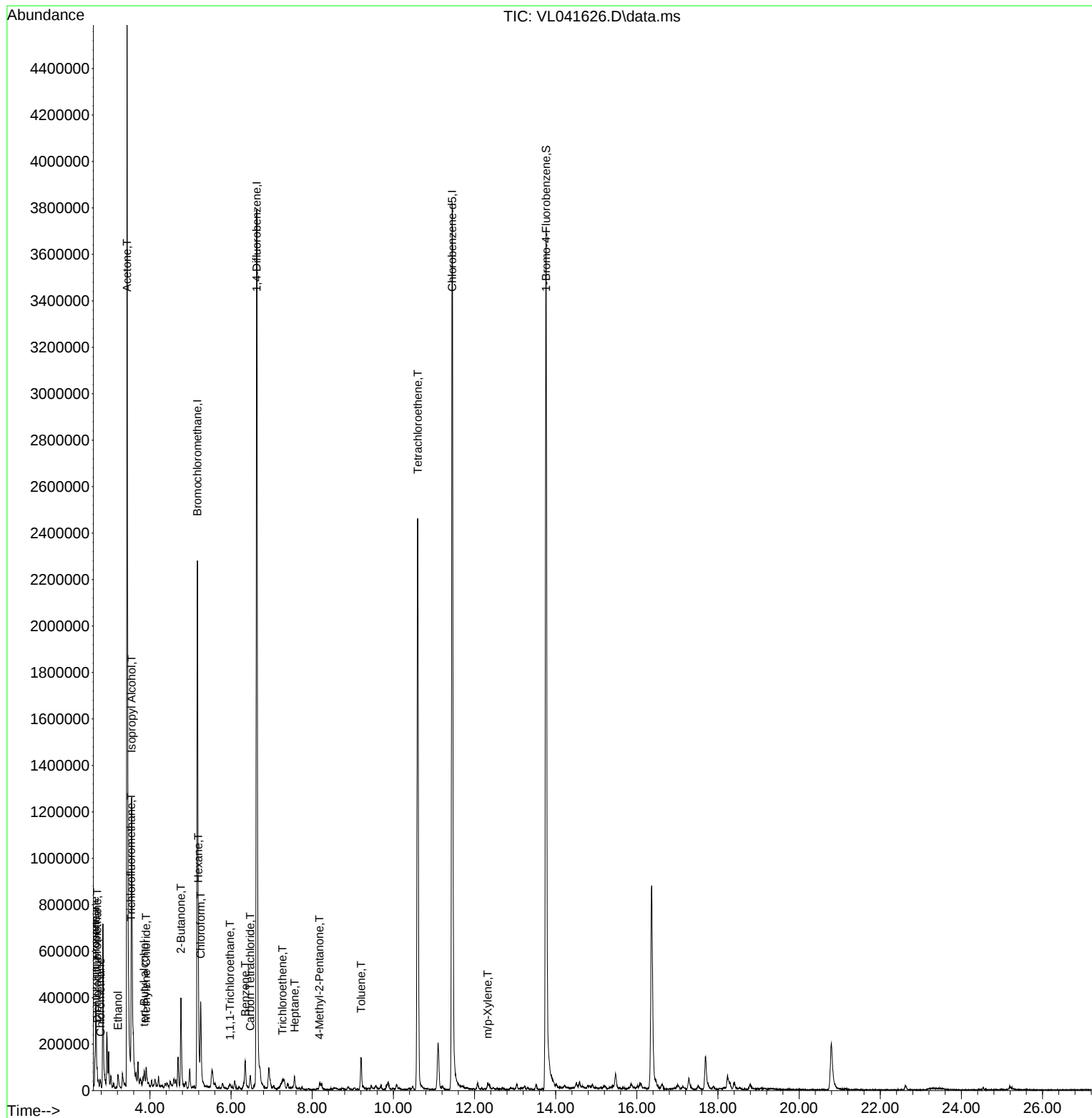
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092524\
Data File : VL041626.D
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Misc : 400mL/MSVOA_L
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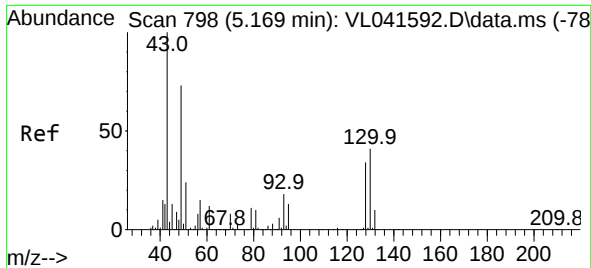
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Sep 26 01:21:24 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
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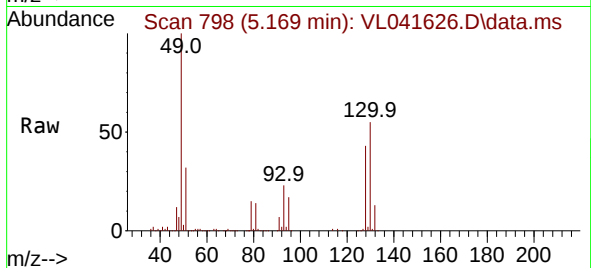
Reviewed By : Semsettin Yesilyurt 09/26/2024
Supervised By : Mahesh Dadoda 09/26/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 798
Delta R.T. 0.000 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

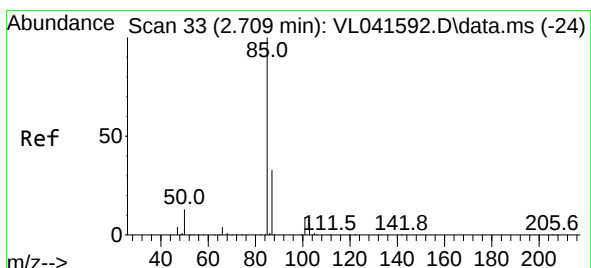
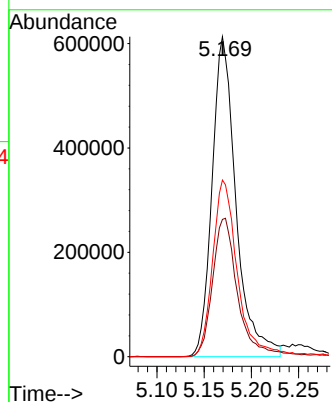
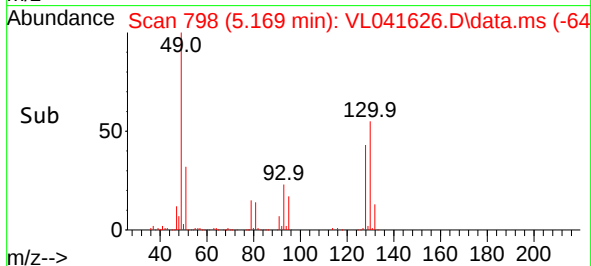
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 108098
Ion Ratio Lower Upper
49 100
128 46.5 23.8 71.5
130 59.0 30.4 91.3

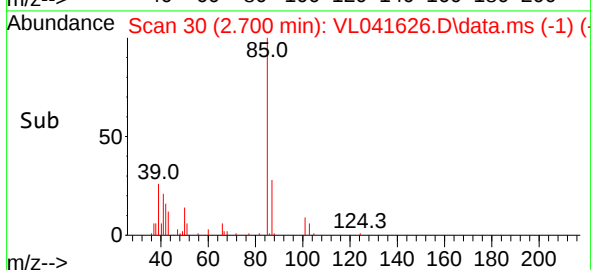
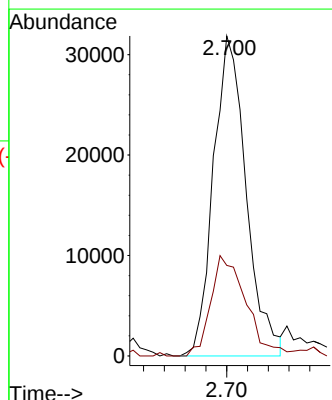
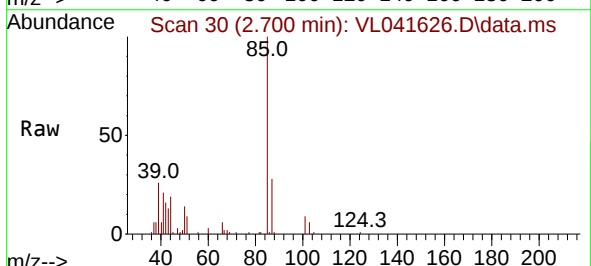
Manual Integrations
APPROVED

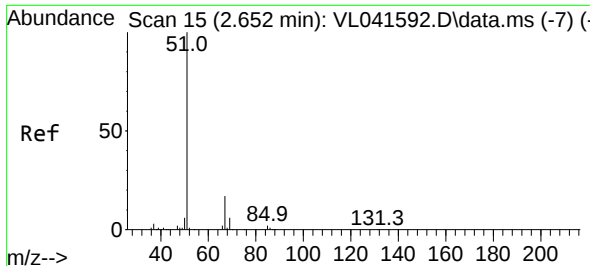
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#2
Dichlorodifluoromethane
Concen: 0.223 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.009 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

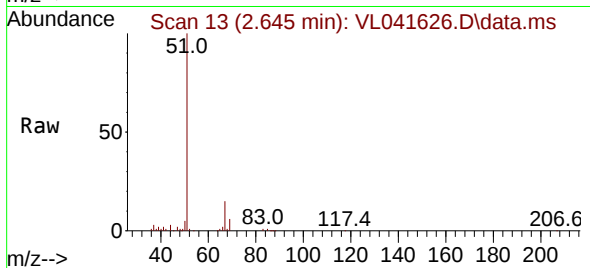
Tgt Ion: 85 Resp: 34864
Ion Ratio Lower Upper
85 100
87 28.3 26.3 39.5





#3
Chlorodifluoromethane
Concen: 0.916 ppbv
RT: 2.645 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

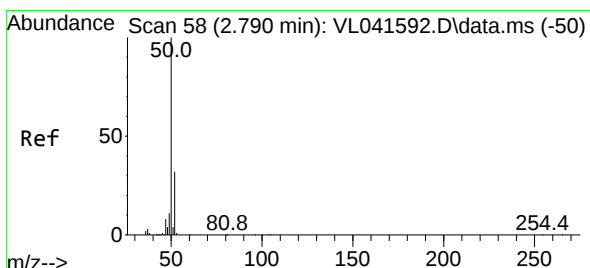
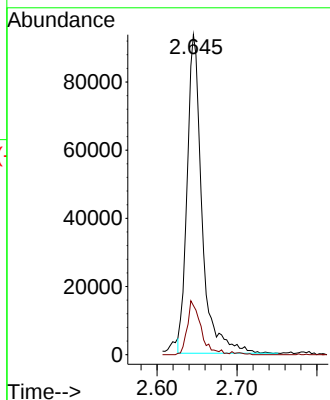
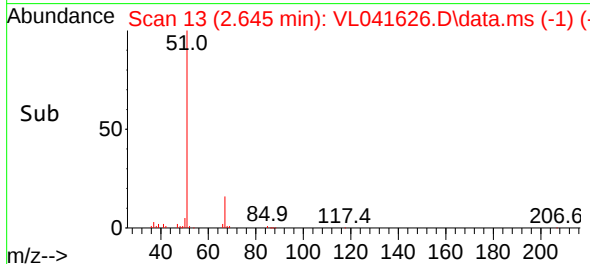
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 51 Resp: 120099
Ion Ratio Lower Upper
51 100
67 16.2 14.1 21.1

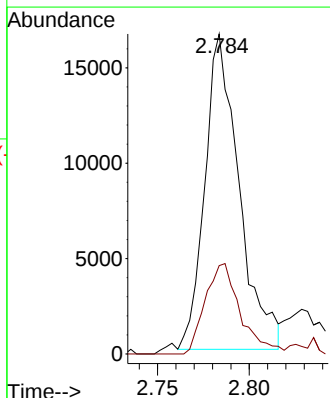
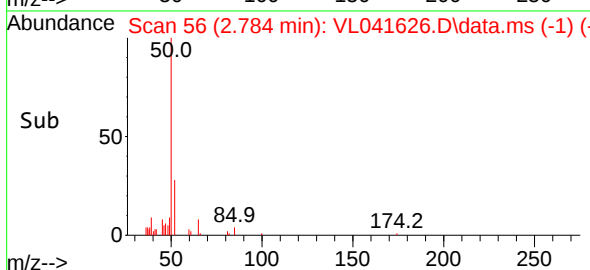
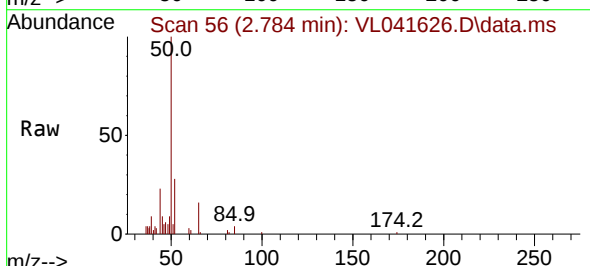
Manual Integrations
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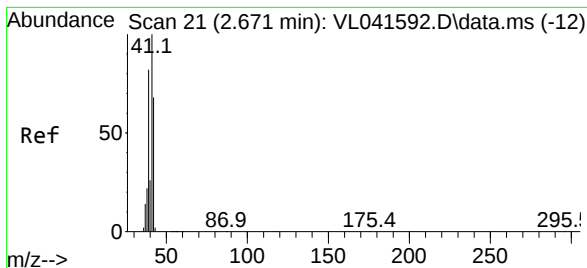
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#4
Chloromethane
Concen: 0.298 ppbv
RT: 2.784 min Scan# 56
Delta R.T. -0.006 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Tgt Ion: 50 Resp: 21465
Ion Ratio Lower Upper
50 100
52 28.0 25.4 38.2





#9

Propene

Concen: 2.579 ppbv

RT: 2.668 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041626.D

Acq: 25 Sep 2024 16:36

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 41 Resp: 142628

Ion Ratio Lower Upper

41 100

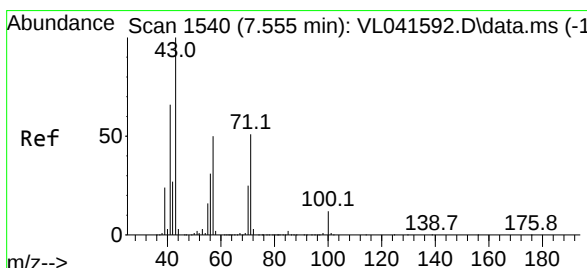
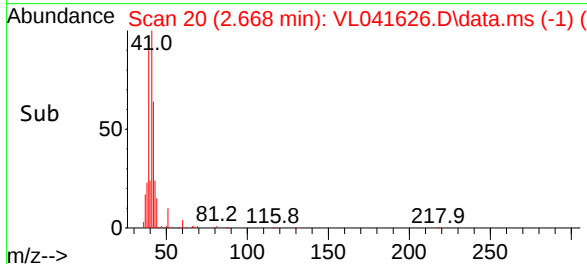
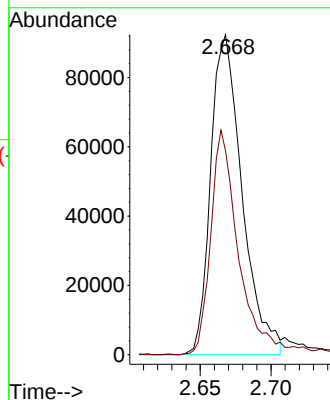
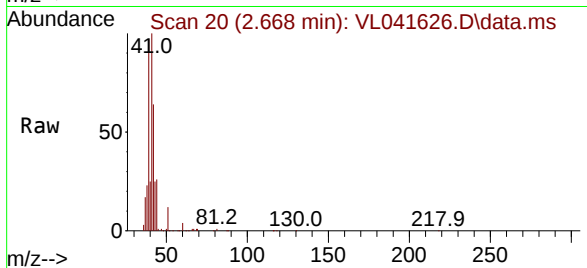
42 63.9 55.2 82.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/26/2024

Supervised By :Mahesh Dadoda 09/26/2024



#10

Heptane

Concen: 0.165 ppbv m

RT: 7.565 min Scan# 1543

Delta R.T. 0.010 min

Lab File: VL041626.D

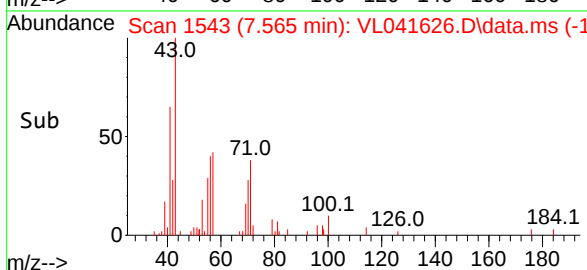
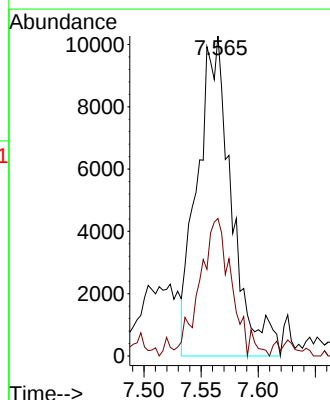
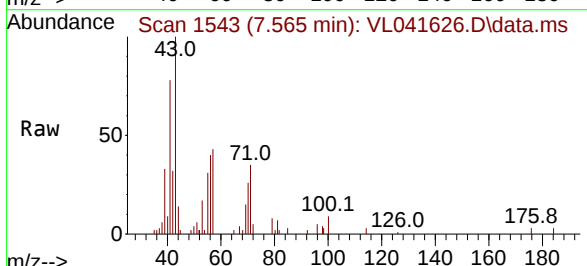
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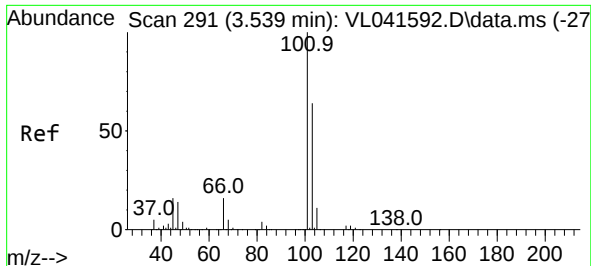
Tgt Ion: 43 Resp: 21363

Ion Ratio Lower Upper

43 100

57 0.0 39.8 59.8#





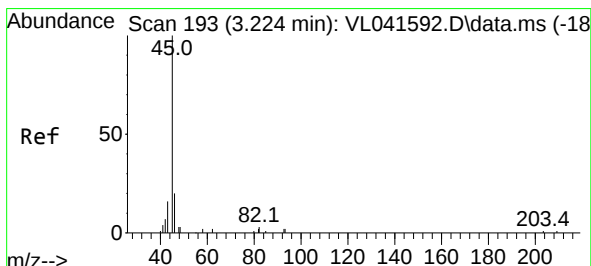
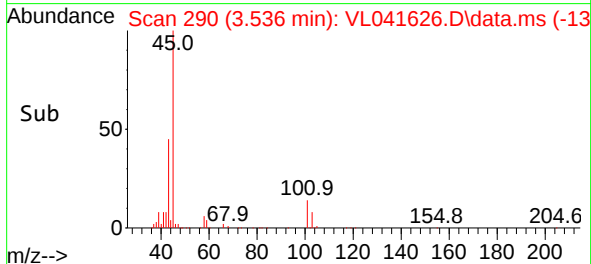
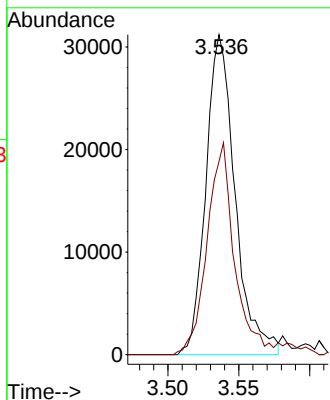
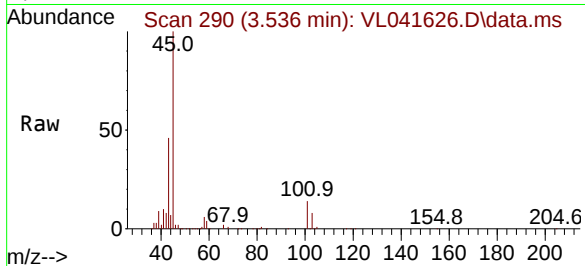
#11
Trichlorofluoromethane
Concen: 0.269 ppbv
RT: 3.536 min Scan# 291
Delta R.T. -0.003 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:101 Resp: 4476
Ion Ratio Lower Upper
101 100
103 59.4 51.2 76.8

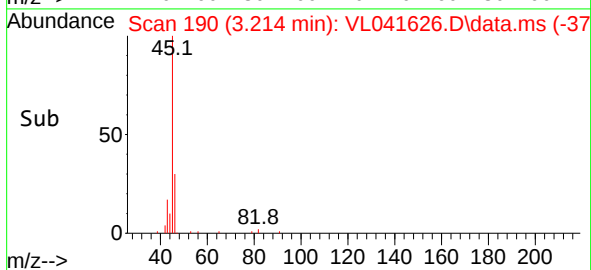
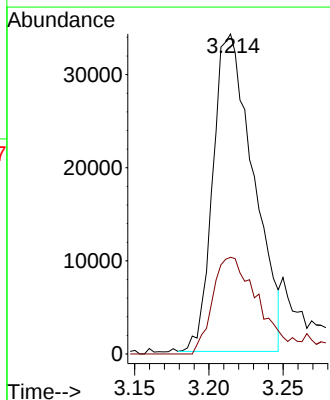
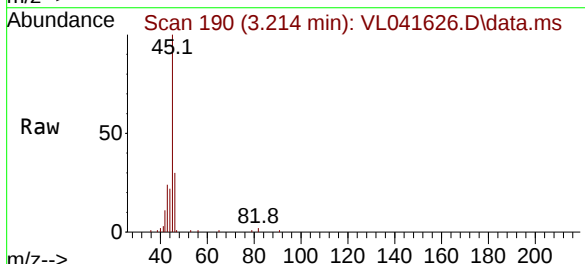
Manual Integrations
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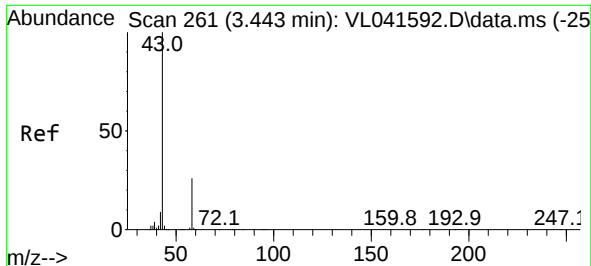
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#13
Ethanol
Concen: 15.582 ppbv
RT: 3.214 min Scan# 190
Delta R.T. -0.009 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

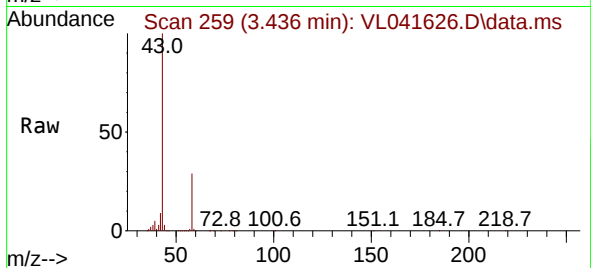
Tgt Ion: 45 Resp: 64788
Ion Ratio Lower Upper
45 100
46 40.3 15.2 60.8





#15
Acetone
Concen: 36.033 ppbv
RT: 3.436 min Scan# 215
Delta R.T. -0.006 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

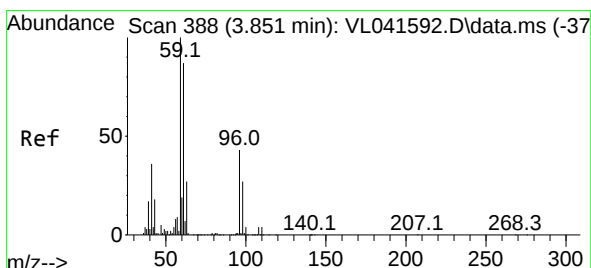
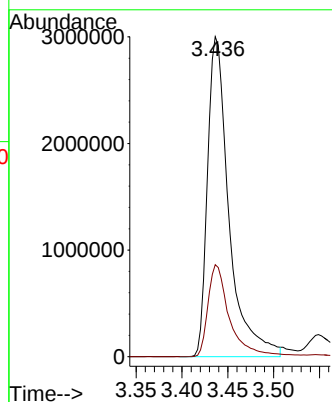
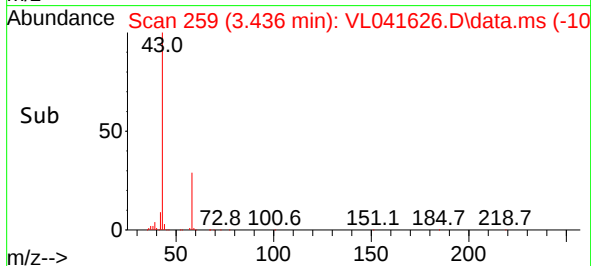
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 4890020
Ion Ratio Lower Upper
43 100
58 30.3 21.5 32.3

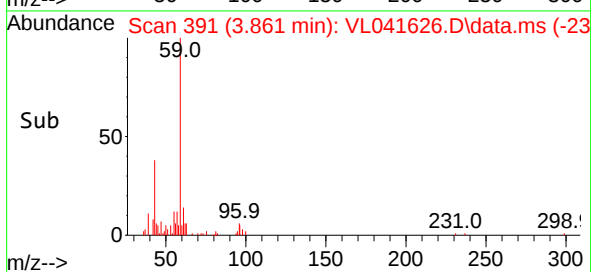
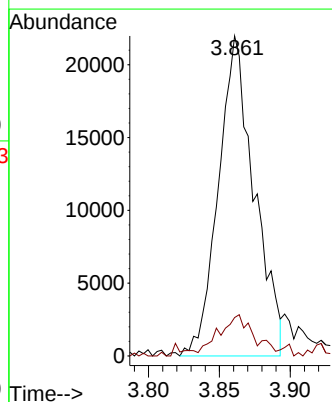
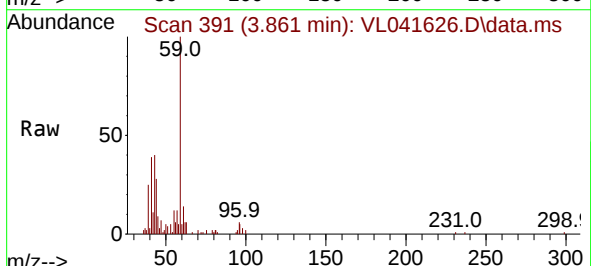
Manual Integrations
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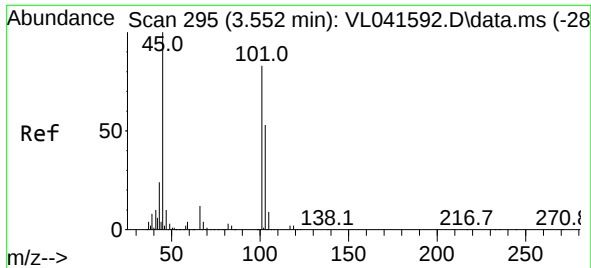
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#17
tert-Butyl alcohol
Concen: 0.324 ppbv
RT: 3.861 min Scan# 391
Delta R.T. 0.010 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Tgt Ion: 59 Resp: 38685
Ion Ratio Lower Upper
59 100
57 16.1 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 18.922 ppbv

RT: 3.549 min Scan# 295

Delta R.T. -0.003 min

Lab File: VL041626.D

Acq: 25 Sep 2024 16:36

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 45 Resp: 131456

Ion Ratio Lower Upper

45 100

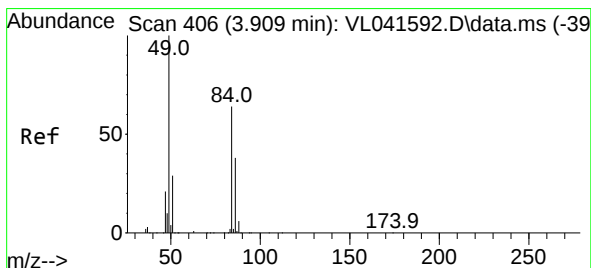
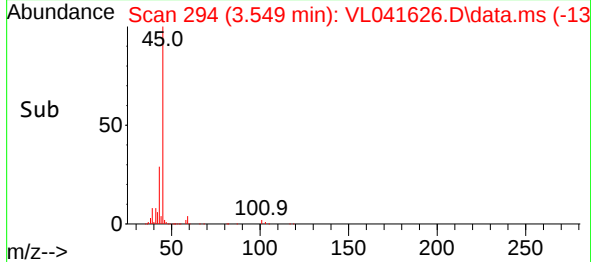
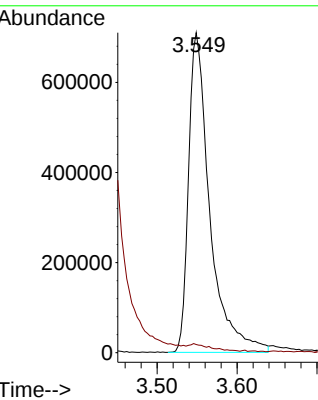
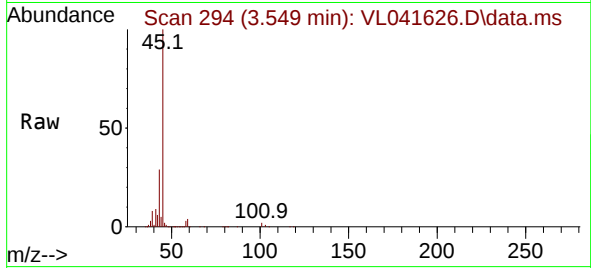
58 113.5 2.1 3.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/26/2024

Supervised By :Mahesh Dadoda 09/26/2024



#20

Methylene Chloride

Concen: 0.488 ppbv

RT: 3.906 min Scan# 405

Delta R.T. -0.003 min

Lab File: VL041626.D

Acq: 25 Sep 2024 16:36

Tgt Ion: 84 Resp: 24855

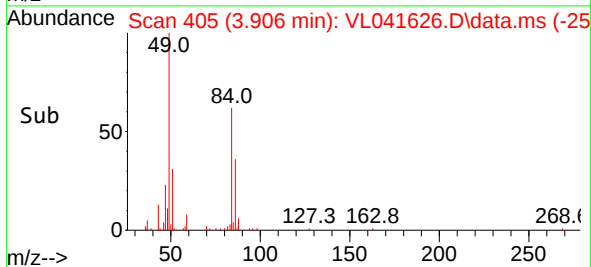
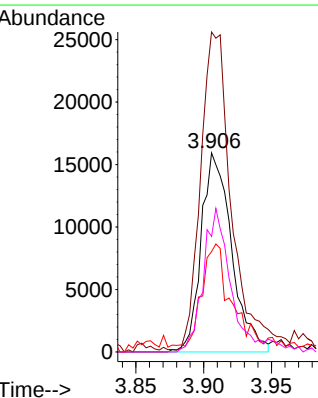
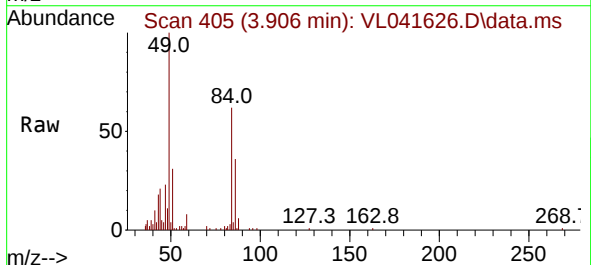
Ion Ratio Lower Upper

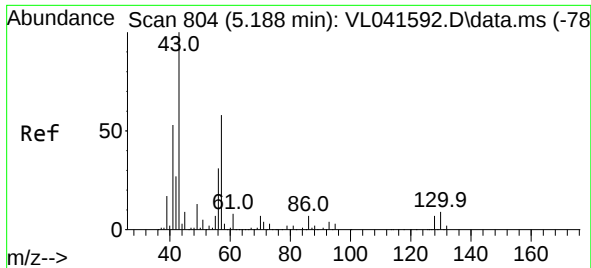
84 100

49 157.7 124.3 186.5

51 48.0 36.3 54.5

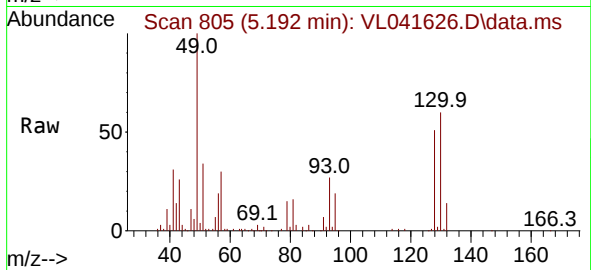
86 58.0 47.4 71.2





#26
Hexane
Concen: 0.684 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

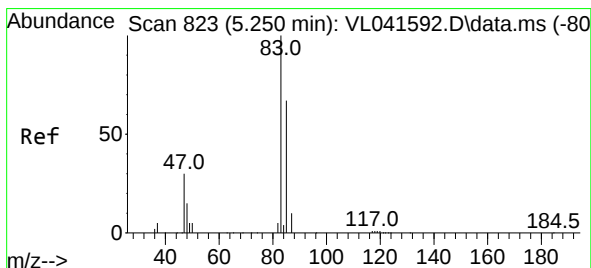
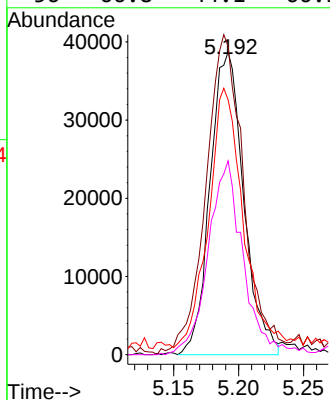
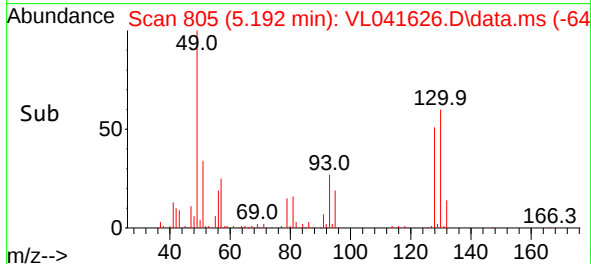
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 6952
Ion Ratio Lower Upper
57 100
41 118.6 75.7 113.5
43 90.3 198.5 297.7
56 66.8 44.1 66.1

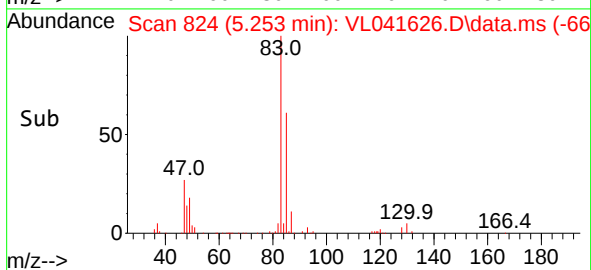
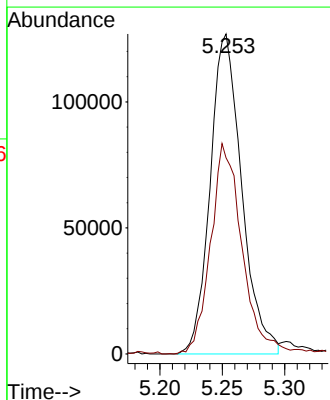
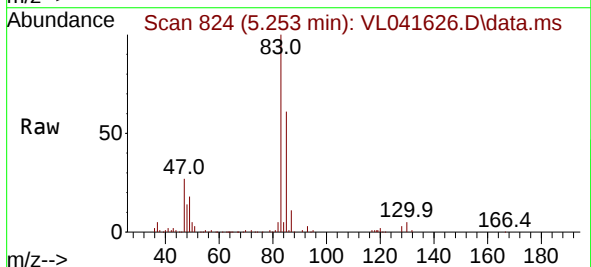
Manual Integrations
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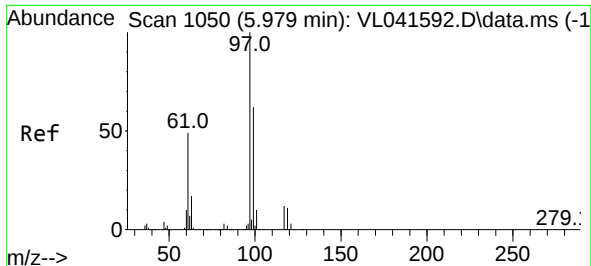
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#29
Chloroform
Concen: 1.345 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.003 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Tgt Ion: 83 Resp: 223611
Ion Ratio Lower Upper
83 100
85 61.1 53.8 80.6





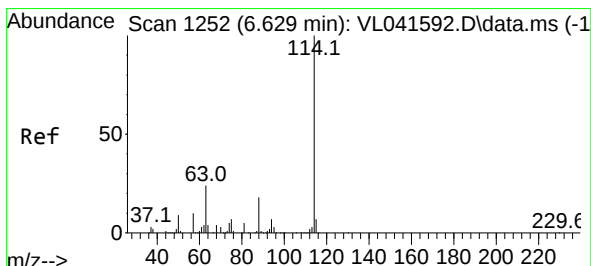
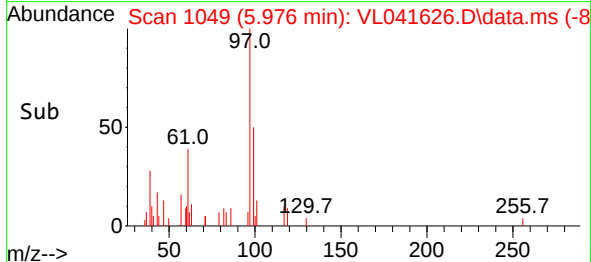
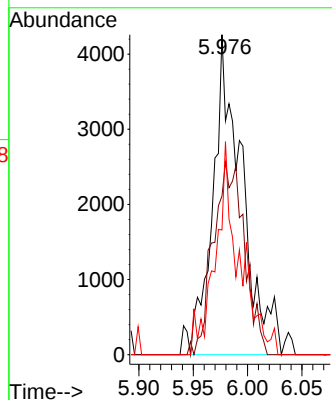
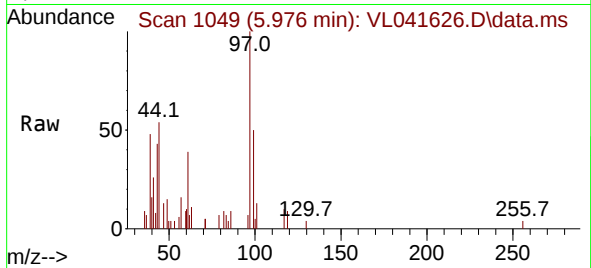
#32
1,1,1-Trichloroethane
Concen: 0.054 ppbv m
RT: 5.976 min Scan# 1049
Delta R.T. -0.003 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 97 Resp: 800
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 54.0 41.0 61.6

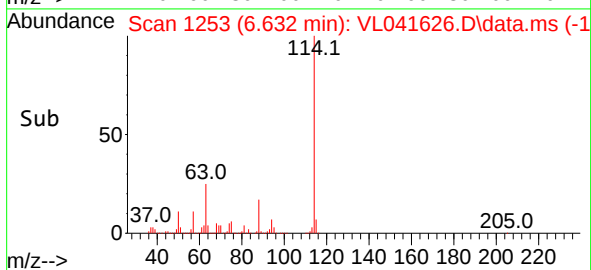
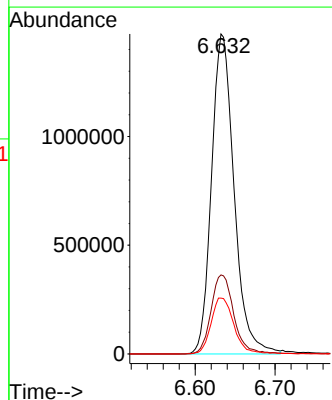
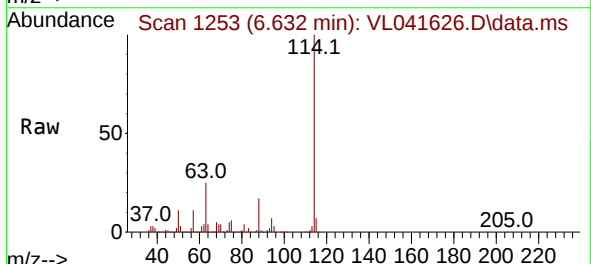
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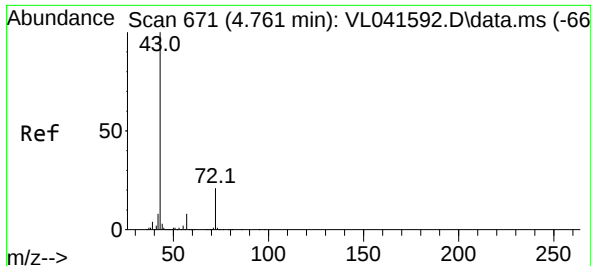
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.003 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

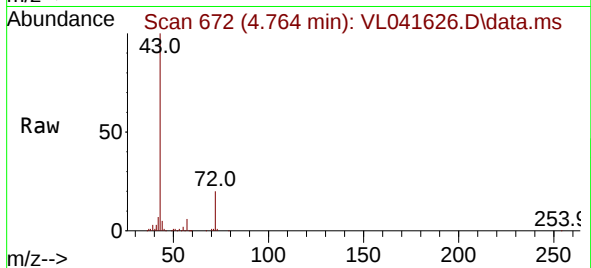
Tgt Ion:114 Resp: 2881122
Ion Ratio Lower Upper
114 100
63 25.3 20.2 30.2
88 17.9 14.2 21.4





#34
2-Butanone
Concen: 3.375 ppbv
RT: 4.764 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

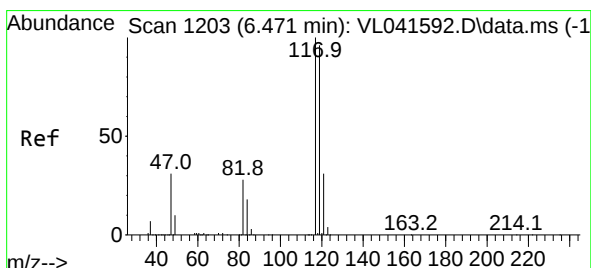
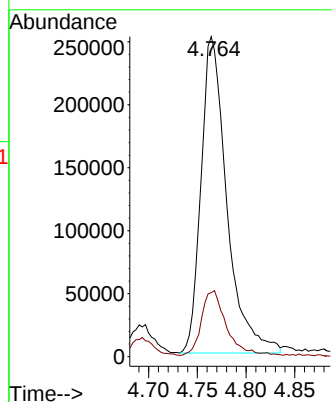
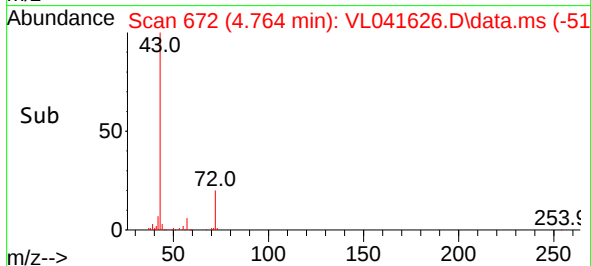
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 46360
Ion Ratio Lower Upper
43 100
72 21.7 16.8 25.2

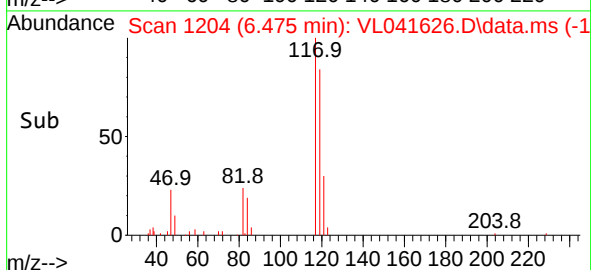
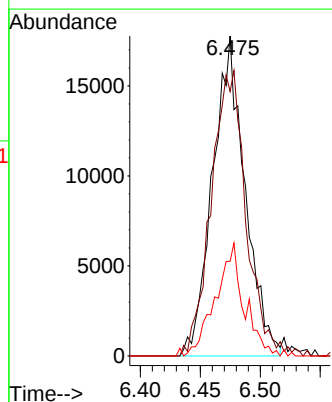
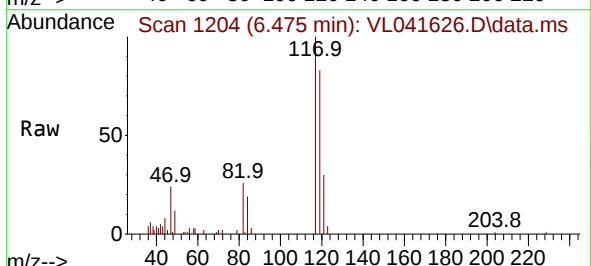
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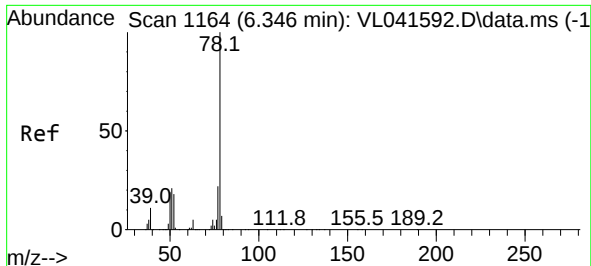
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#35
Carbon Tetrachloride
Concen: 0.236 ppbv
RT: 6.475 min Scan# 1204
Delta R.T. 0.003 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

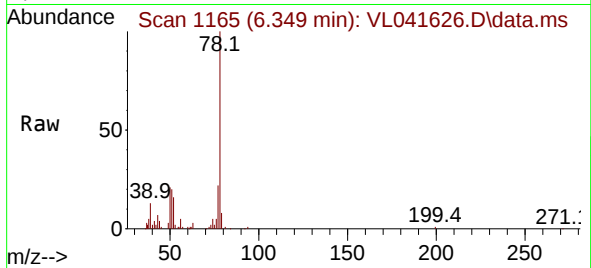
Tgt Ion:117 Resp: 33390
Ion Ratio Lower Upper
117 100
119 82.6 76.8 115.2
121 29.6 25.0 37.6





#36
Benzene
Concen: 0.456 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

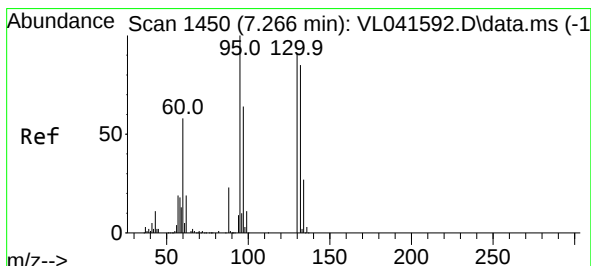
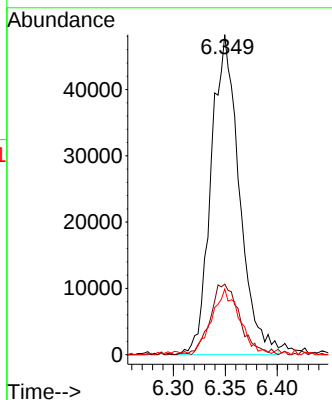
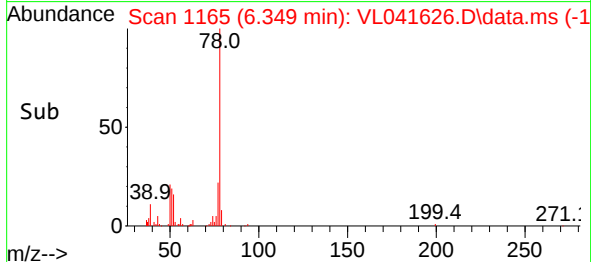
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 78 Resp: 91300
Ion Ratio Lower Upper
78 100
77 22.1 17.8 26.6
50 19.7 15.4 23.0

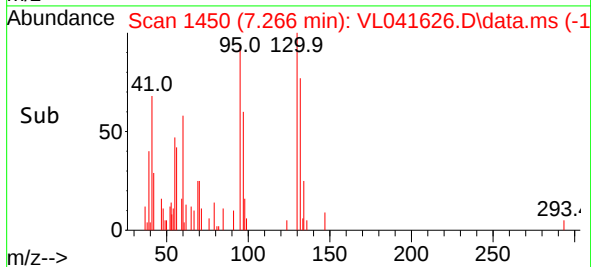
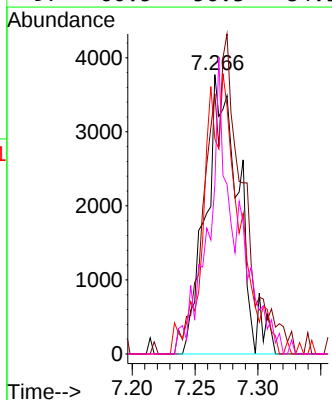
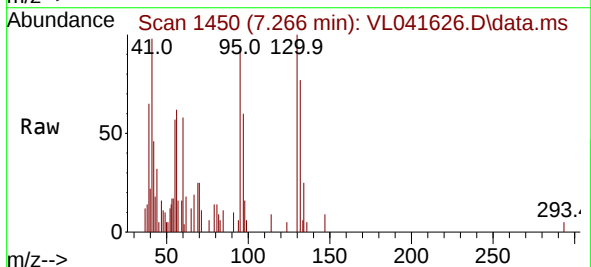
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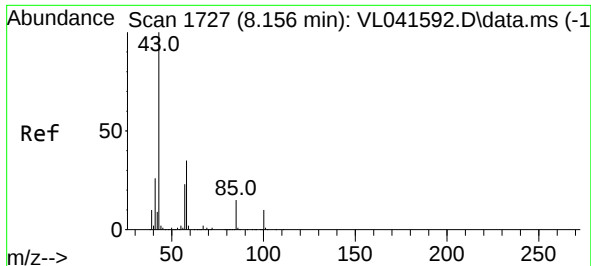
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#38
Trichloroethene
Concen: 0.066 ppbv m
RT: 7.266 min Scan# 1450
Delta R.T. 0.000 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Tgt Ion:130 Resp: 6843
Ion Ratio Lower Upper
130 100
95 93.1 87.7 131.5
132 77.0 74.5 111.7
97 60.5 56.3 84.5





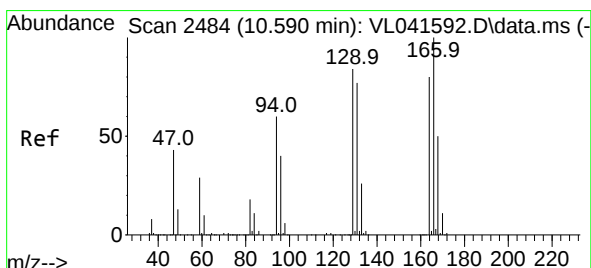
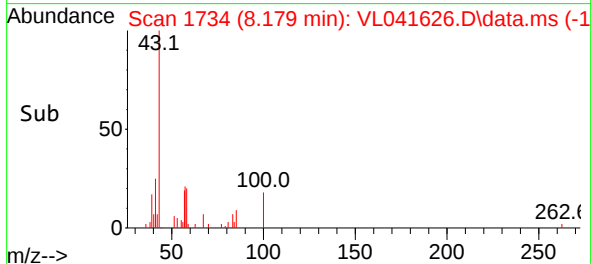
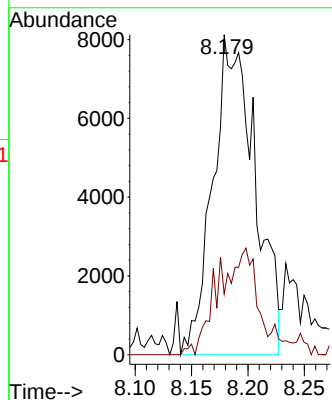
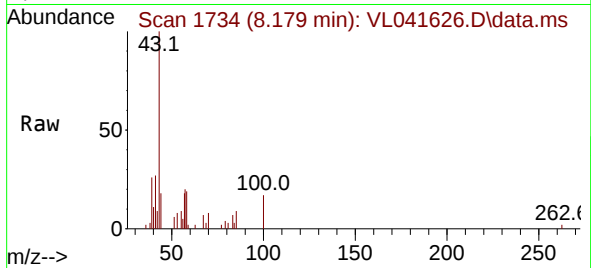
#50
4-Methyl-2-Pentanone
Concen: 0.098 ppbv m
RT: 8.179 min Scan# 1734
Delta R.T. 0.023 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 2089
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8

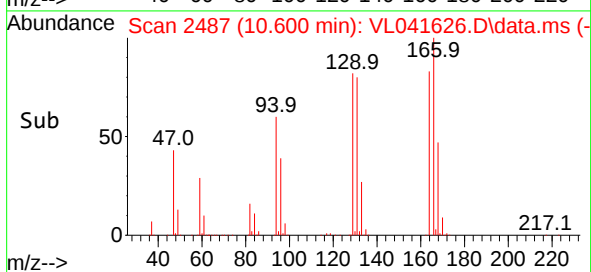
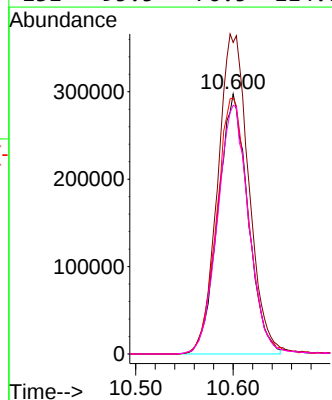
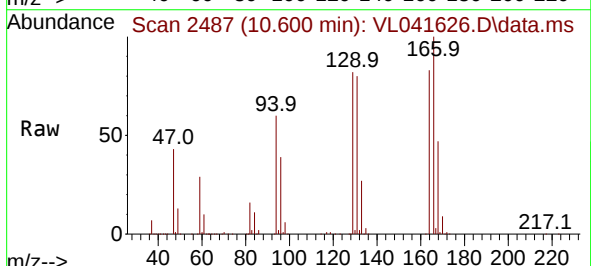
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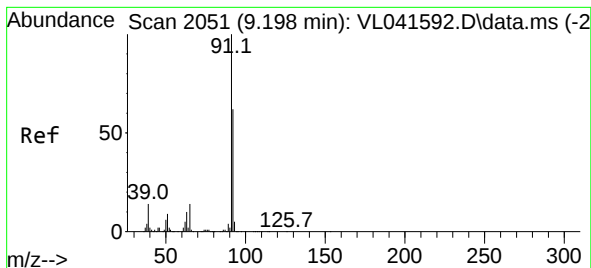
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#52
Tetrachloroethene
Concen: 8.804 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. 0.010 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Tgt Ion:164 Resp: 637900
Ion Ratio Lower Upper
164 100
166 119.7 99.4 149.2
129 98.5 83.5 125.3
131 95.5 76.5 114.7





#53

Toluene

Concen: 0.478 ppbv

RT: 9.205 min Scan# 2051

Delta R.T. 0.007 min

Lab File: VL041626.D

Acq: 25 Sep 2024 16:36

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 91 Resp: 10162

Ion Ratio Lower Upper

91 100

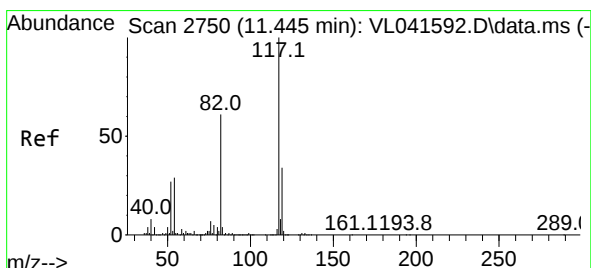
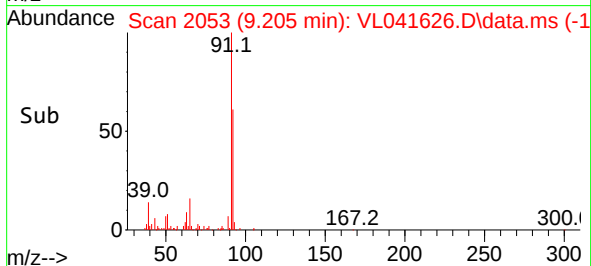
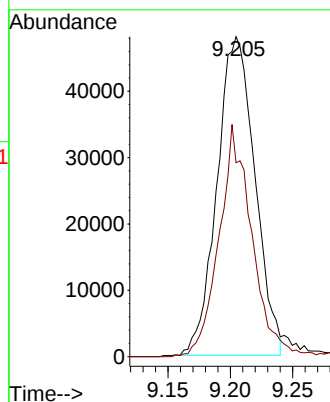
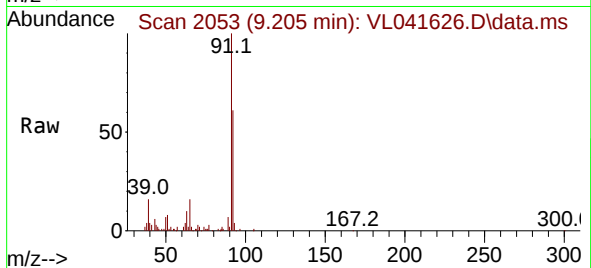
92 63.8 48.9 73.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/26/2024

Supervised By :Mahesh Dadoda 09/26/2024



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.449 min Scan# 2751

Delta R.T. 0.003 min

Lab File: VL041626.D

Acq: 25 Sep 2024 16:36

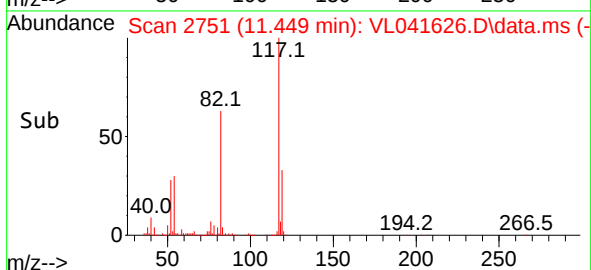
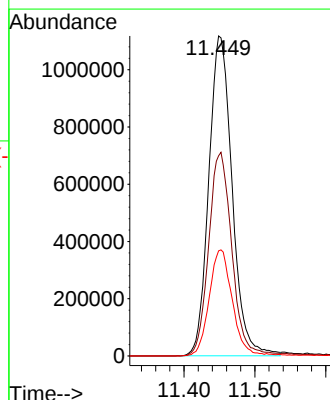
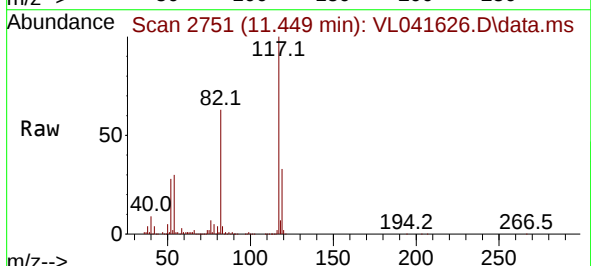
Tgt Ion:117 Resp: 2557929

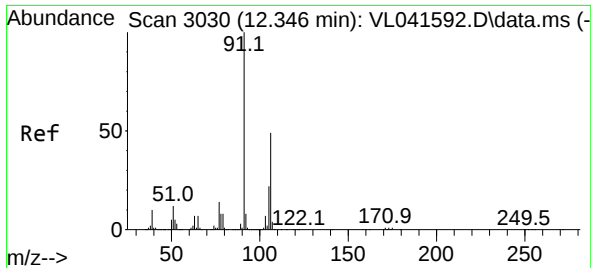
Ion Ratio Lower Upper

117 100

82 64.3 49.4 74.2

119 33.4 24.4 36.6





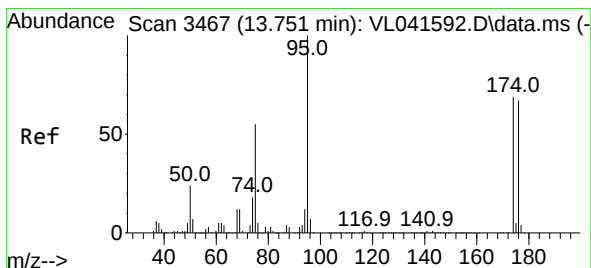
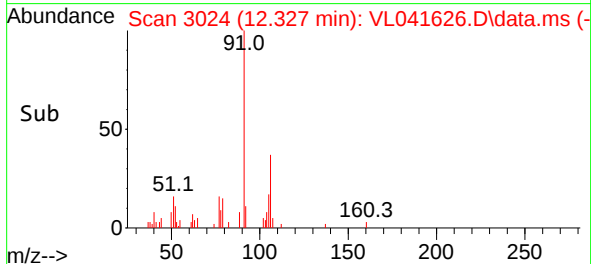
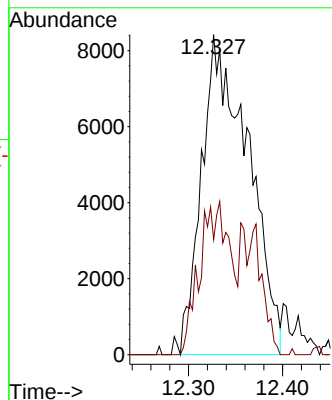
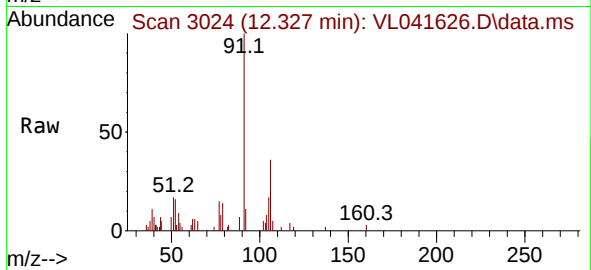
#59
m/p-Xylene
Concen: 0.119 ppbv m
RT: 12.327 min Scan# 3030
Delta R.T. -0.019 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 2888
Ion Ratio Lower Upper
91 100
106 0.0 36.8 55.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.959 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.013 min
Lab File: VL041626.D
Acq: 25 Sep 2024 16:36

Tgt Ion: 95 Resp: 1875270
Ion Ratio Lower Upper
95 100
174 69.1 55.8 83.8
175 4.9 4.1 6.1

