

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041801.D
 Acq On : 18 Dec 2024 19:24
 Operator : SY/MD
 Sample : P5296-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/19/2024
 Supervised By :Mahesh Dadoda 12/19/2024

Quant Time: Dec 19 07:58:06 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	75382	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.975	114	191938	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.895	117	165356	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	146176	10.608	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 106.100%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	4603	0.343	ppbv #	81
3) Chlorodifluoromethane	1.479	51	2255m	0.183	ppbv	
4) Chloromethane	1.534	50	4863	0.927	ppbv	92
9) Propene	1.492	41	54095m	10.152	ppbv	
11) Trichlorofluoromethane	1.881	101	2904	0.204	ppbv	99
13) Ethanol	1.725	45	702801	1592.927	ppbv	95
15) Acetone	1.839	43	130310	8.884	ppbv	96
17) tert-Butyl alcohol	2.049	59	4407m	0.303	ppbv	
19) Isopropyl Alcohol	1.891	45	301539	34.263	ppbv #	36
20) Methylene Chloride	2.069	84	1880	0.450	ppbv #	93
25) Ethyl Acetate	2.845	43	14961	0.548	ppbv #	18
29) Chloroform	2.858	83	2077	0.132	ppbv	99
30) Cyclohexane	3.881	84	1396m	0.158	ppbv	
34) 2-Butanone	2.567	43	18388	1.191	ppbv	99
35) Carbon Tetrachloride	3.777	117	780	0.057	ppbv #	71
36) Benzene	3.667	78	8357	0.421	ppbv	98
52) Tetrachloroethene	8.244	164	1104	0.149	ppbv	93
53) Toluene	6.956	91	12413m	0.551	ppbv	
58) Ethyl Benzene	9.367	91	5312	0.178	ppbv	96
59) m/p-Xylene	9.548	91	17313m	0.723	ppbv	
60) o-Xylene	9.979	91	7510	0.313	ppbv	100
74) 1,2,4-Trimethylbenzene	11.545	105	8267	0.327	ppbv #	60

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

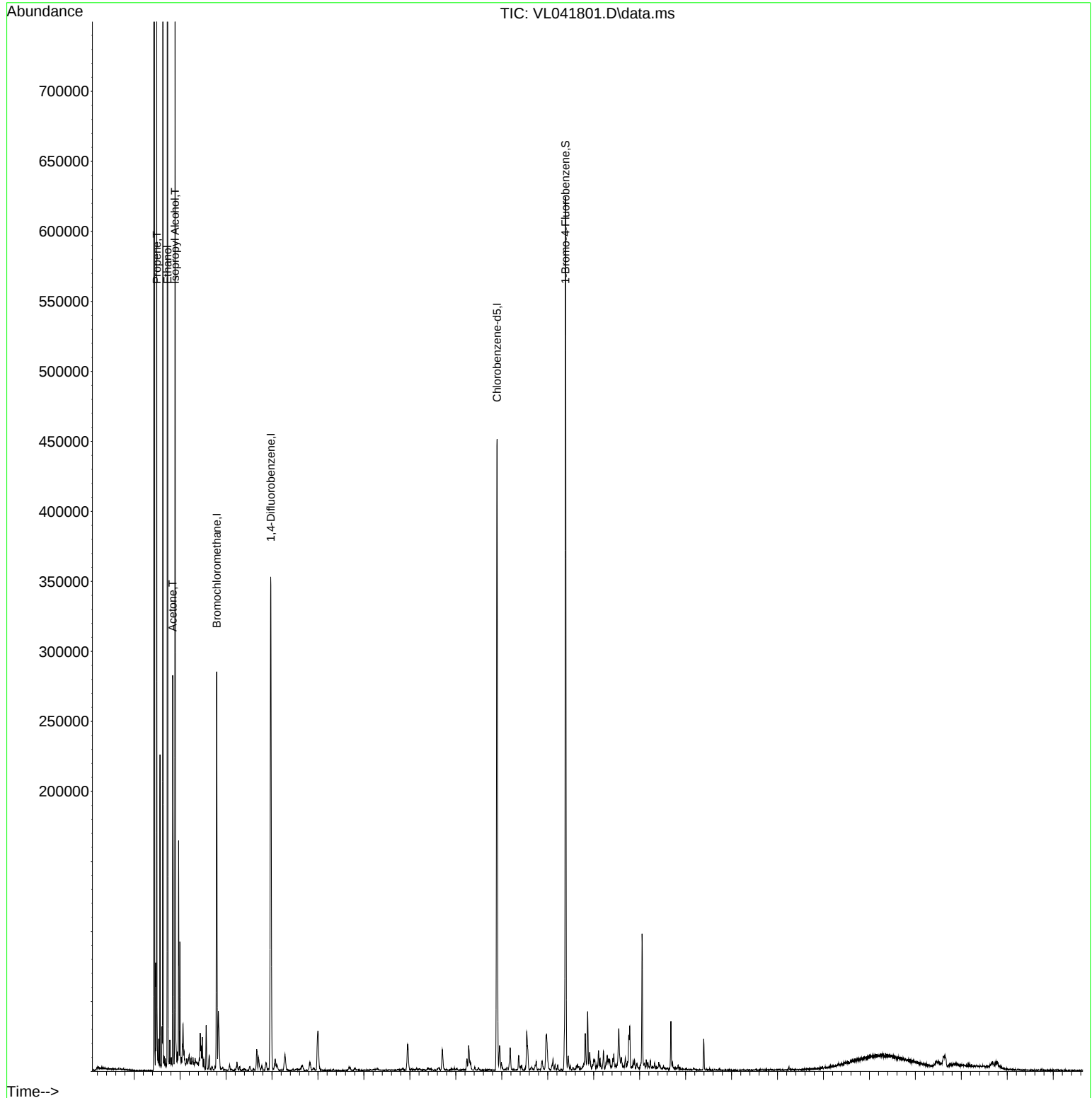
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041801.D
Acq On : 18 Dec 2024 19:24
Operator : SY/MD
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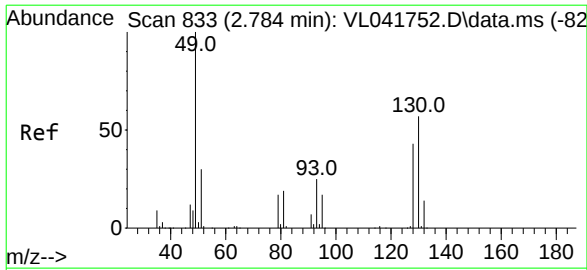
Instrument :
MSVOA_L
ClientSampleId :
C0AC2

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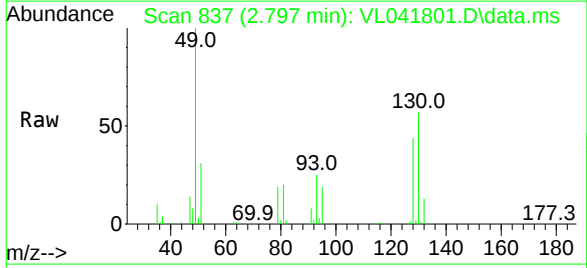
Quant Time: Dec 19 07:58:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 833
Delta R.T. 0.013 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

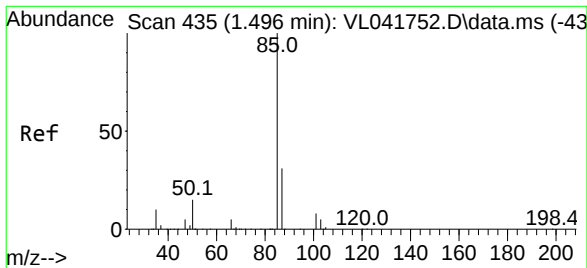
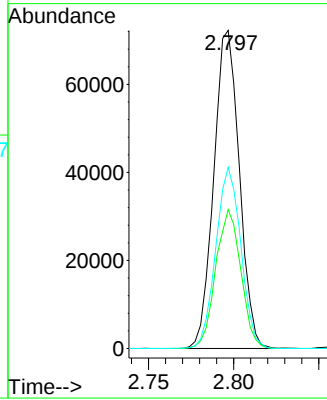
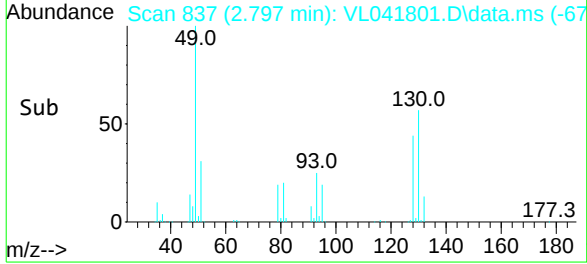
Instrument :
MSVOA_L
ClientSampleId :
C0AC2



Tgt Ion: 49 Resp: 75382
Ion Ratio Lower Upper
49 100
128 42.9 21.6 64.6
130 55.9 28.3 85.0

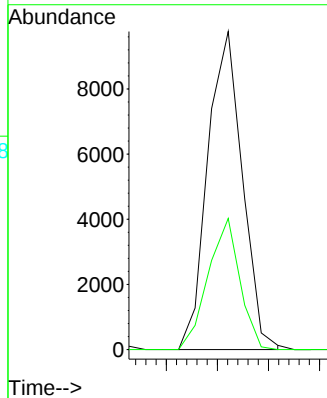
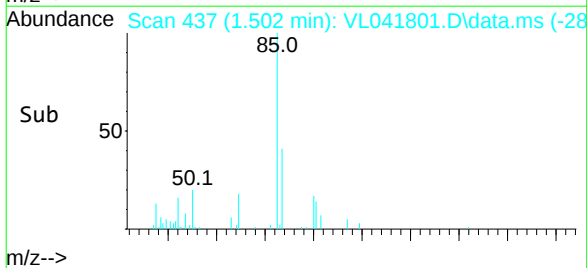
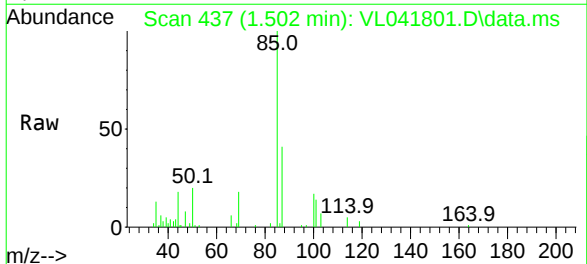
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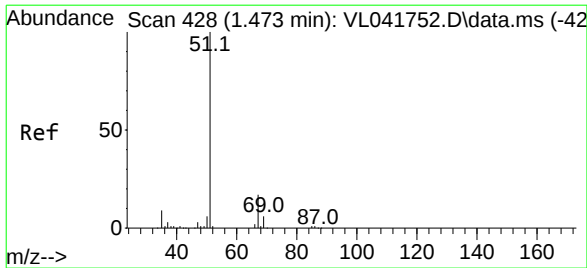
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#2
Dichlorodifluoromethane
Concen: 0.343 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

Tgt Ion: 85 Resp: 4603
Ion Ratio Lower Upper
85 100
87 41.2 24.5 36.7#





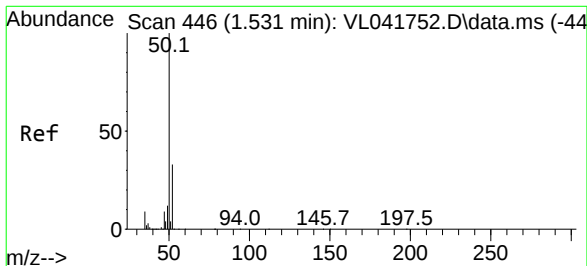
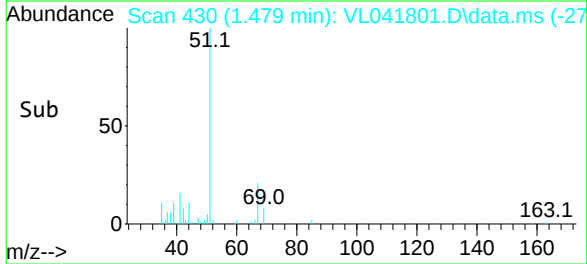
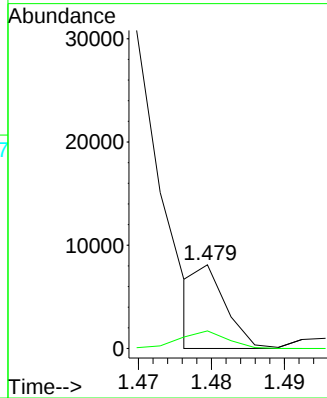
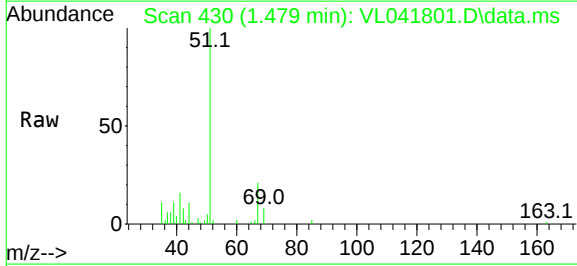
#3
Chlorodifluoromethane
Concen: 0.183 ppbv m
RT: 1.479 min Scan# 43
Delta R.T. 0.006 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

Instrument :
MSVOA_L
ClientSampleId :
C0AC2

Tgt Ion: 51 Resp: 2255
Ion Ratio Lower Upper
51 100
67 34.3 15.0 22.4#

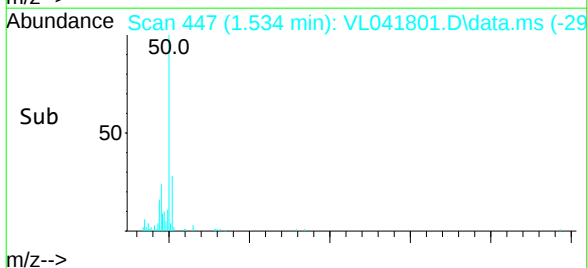
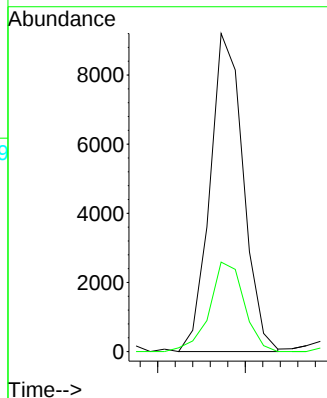
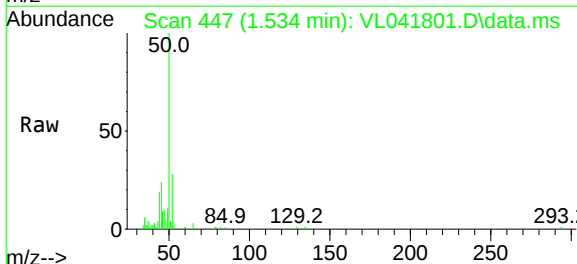
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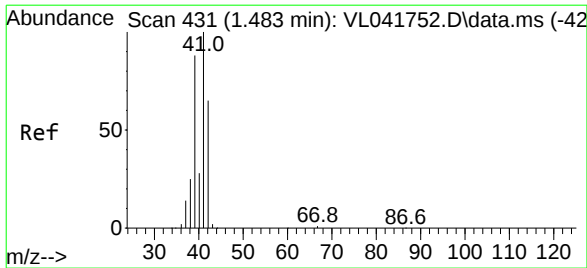
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#4
Chloromethane
Concen: 0.927 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

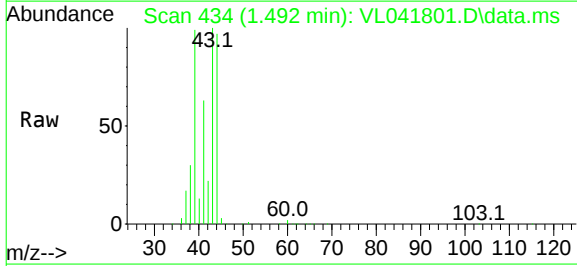
Tgt Ion: 50 Resp: 4863
Ion Ratio Lower Upper
50 100
52 28.1 26.2 39.2





#9
Propene
Concen: 10.152 ppbv m
RT: 1.492 min Scan# 431
Delta R.T. 0.009 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

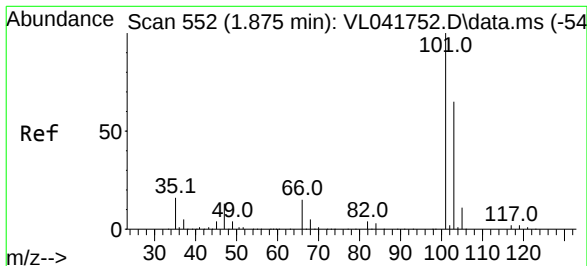
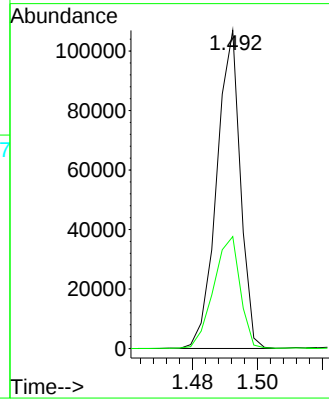
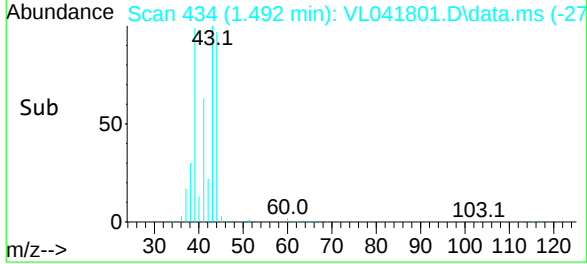
Instrument :
MSVOA_L
ClientSampleId :
C0AC2



Tgt Ion: 41 Resp: 54095
Ion Ratio Lower Upper
41 100
42 29.7 52.4 78.6#

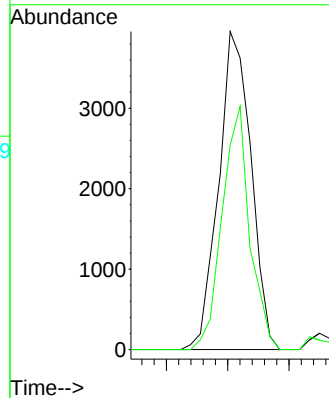
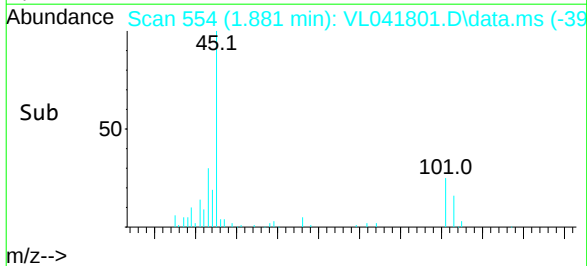
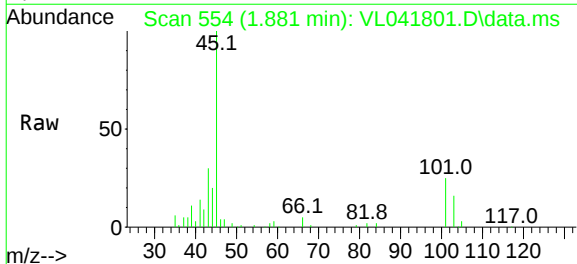
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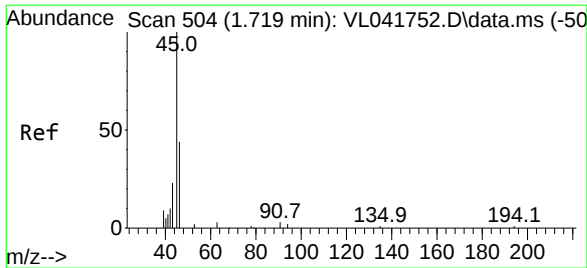
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#11
Trichlorofluoromethane
Concen: 0.204 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.006 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

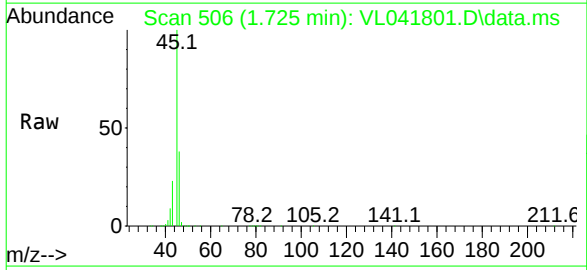
Tgt Ion:101 Resp: 2904
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8





#13
Ethanol
Concen: 1592.927 ppbv
RT: 1.725 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

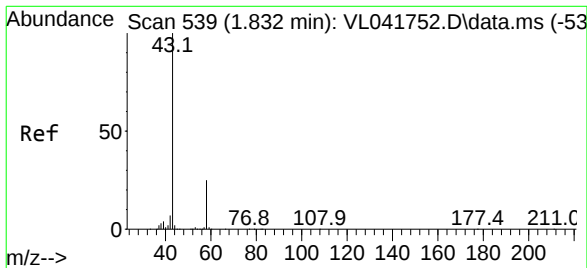
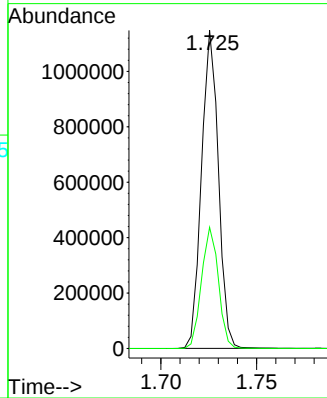
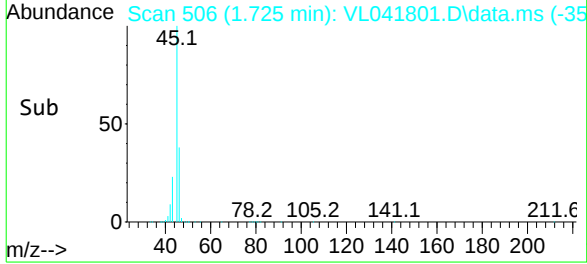
Instrument :
MSVOA_L
ClientSampleId :
C0AC2



Tgt Ion: 45 Resp: 702801
Ion Ratio Lower Upper
45 100
46 38.2 16.4 65.8

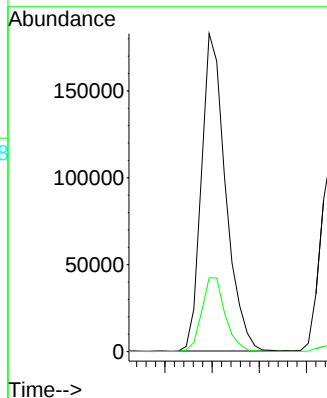
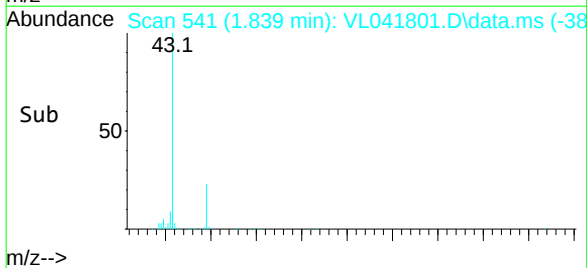
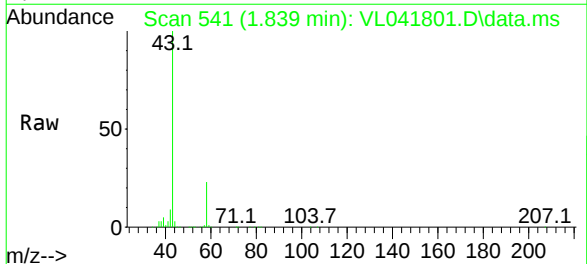
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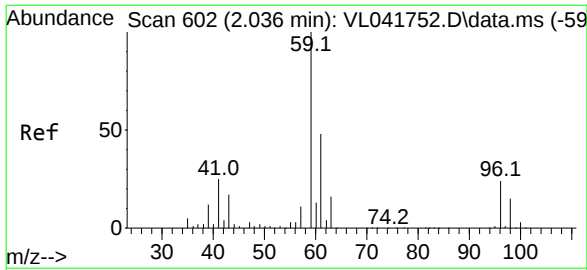
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#15
Acetone
Concen: 8.884 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

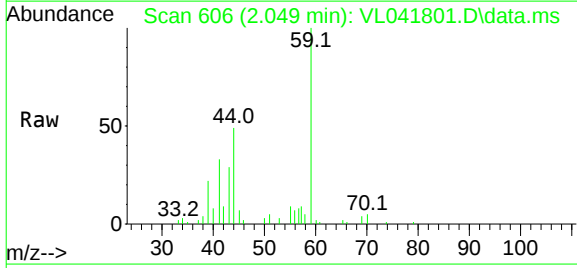
Tgt Ion: 43 Resp: 130310
Ion Ratio Lower Upper
43 100
58 22.7 19.7 29.5





#17
tert-Butyl alcohol
Concen: 0.303 ppbv m
RT: 2.049 min Scan# 607
Delta R.T. 0.013 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

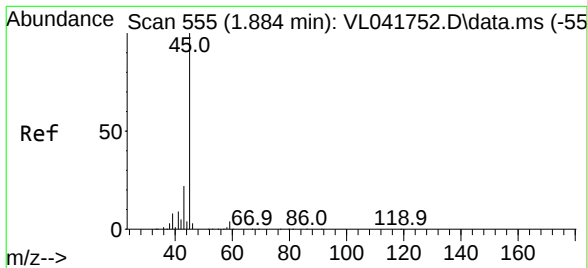
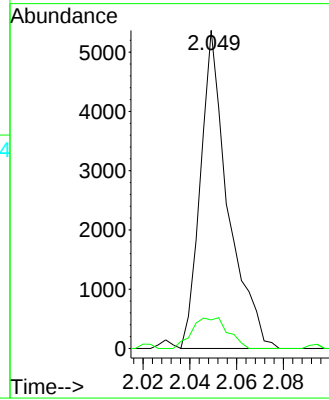
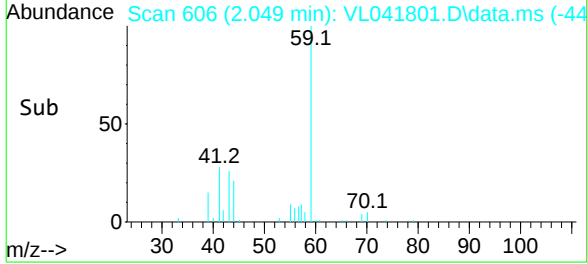
Instrument :
MSVOA_L
ClientSampleId :
C0AC2



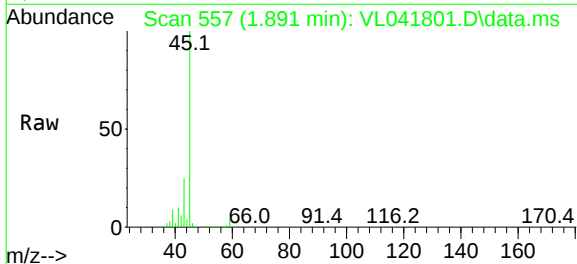
Tgt Ion: 59 Resp: 4407
Ion Ratio Lower Upper
59 100
57 23.2 8.6 13.0#

Manual Integrations
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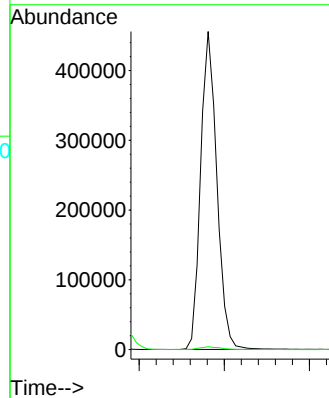
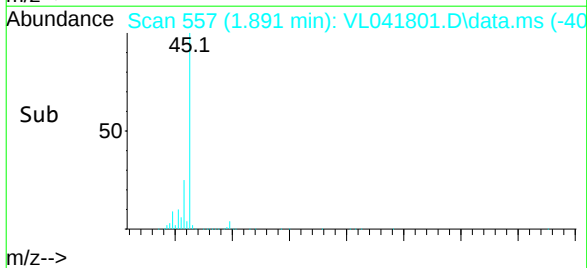
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Supervised By :Mahesh Dadoda 12/19/2024

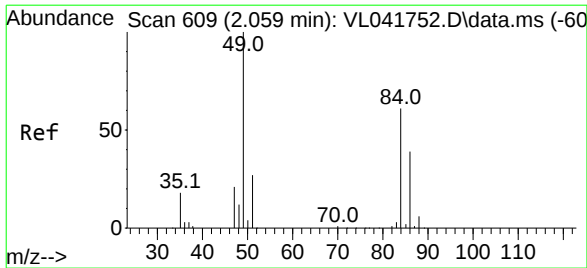


#19
Isopropyl Alcohol
Concen: 34.263 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24



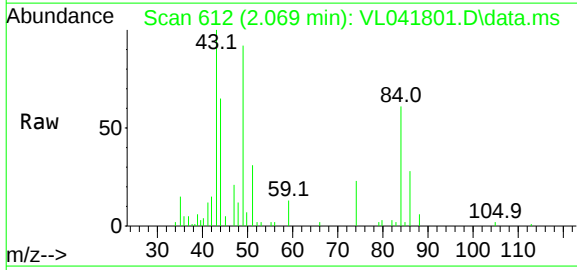
Tgt Ion: 45 Resp: 301539
Ion Ratio Lower Upper
45 100
58 1.2 33.3 49.9#





#20
Methylene Chloride
Concen: 0.450 ppbv
RT: 2.069 min Scan# 611
Delta R.T. 0.009 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

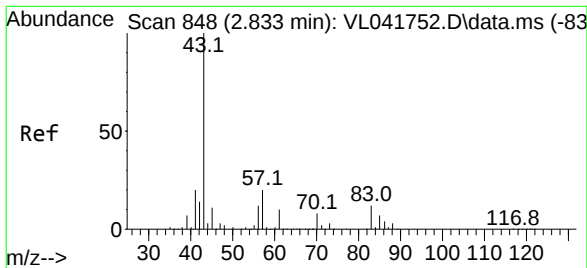
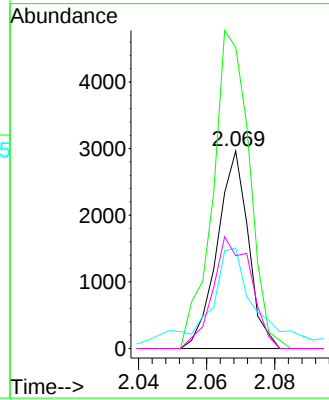
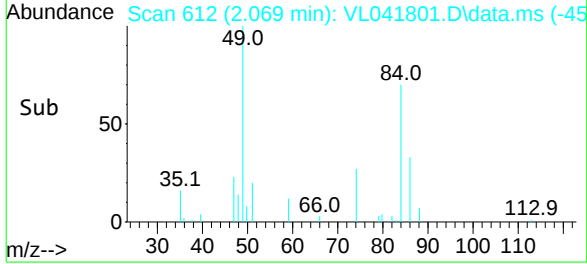
Instrument :
MSVOA_L
ClientSampleId :
C0AC2



Tgt Ion:	84	Resp:	1880
Ion	Ratio	Lower	Upper
84	100		
49	164.5	132.6	198.8
51	42.4	37.6	56.4
86	47.0	51.4	77.0#

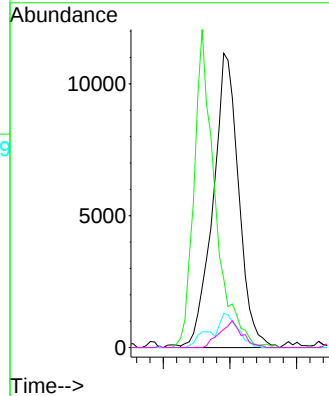
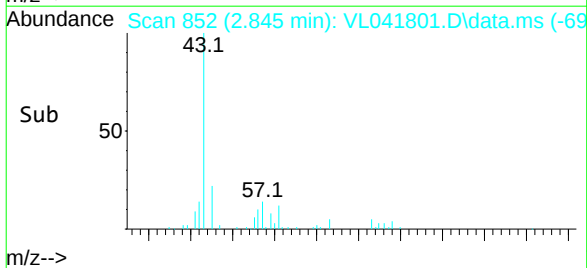
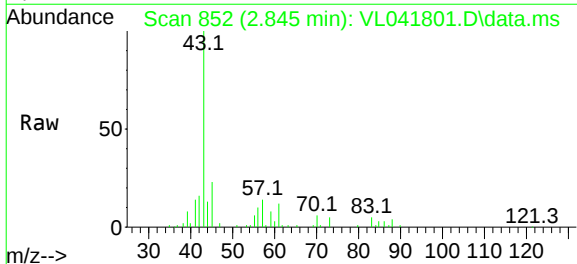
Manual Integrations
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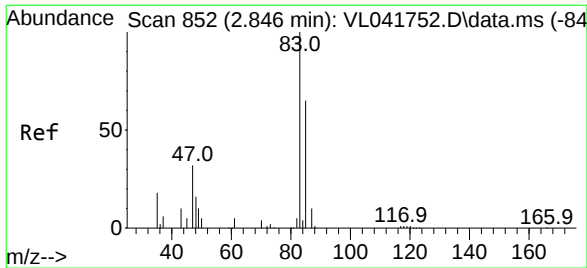
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.013 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

Tgt Ion:	43	Resp:	14961
Ion	Ratio	Lower	Upper
43	100		
45	88.3	8.1	12.1#
61	12.0	7.0	10.6#
70	7.8	6.5	9.7





#29

Chloroform

Concen: 0.132 ppbv

RT: 2.858 min Scan# 85

Delta R.T. 0.013 min

Lab File: VL041801.D

Acq: 18 Dec 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

C0AC2

Tgt Ion: 83 Resp: 2077

Ion Ratio Lower Upper

83 100

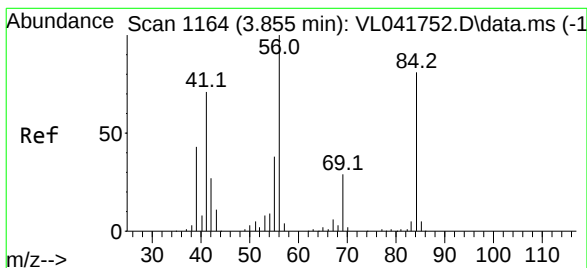
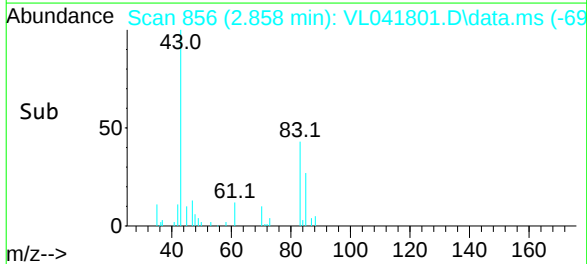
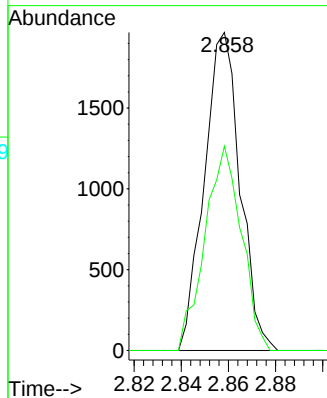
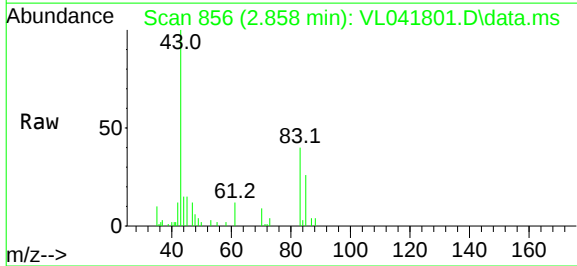
85 64.2 51.8 77.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/19/2024

Supervised By :Mahesh Dadoda 12/19/2024



#30

Cyclohexane

Concen: 0.158 ppbv m

RT: 3.881 min Scan# 1172

Delta R.T. 0.026 min

Lab File: VL041801.D

Acq: 18 Dec 2024 19:24

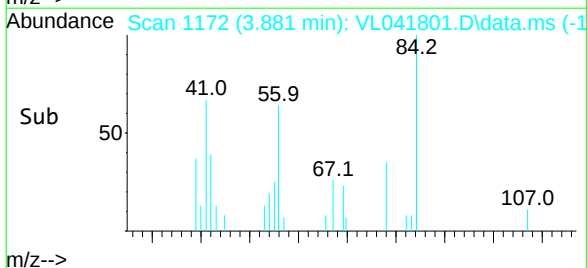
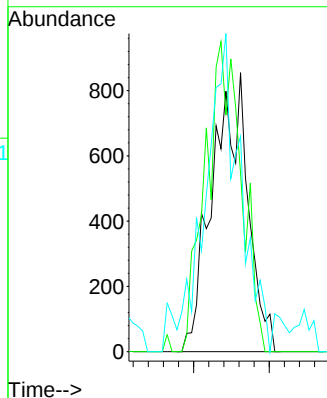
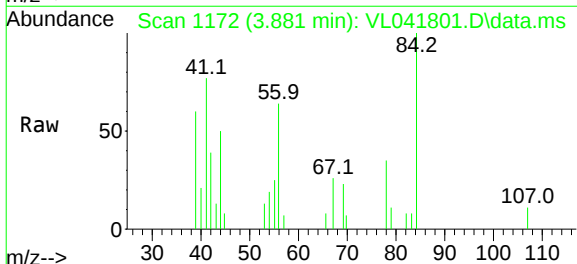
Tgt Ion: 84 Resp: 1396

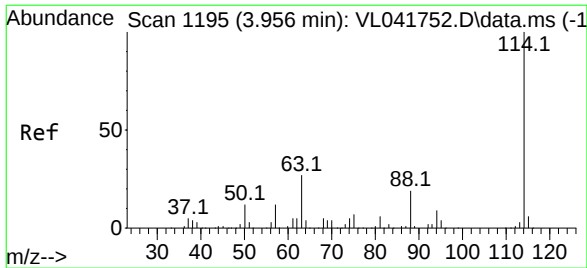
Ion Ratio Lower Upper

84 100

56 113.3 102.3 153.5

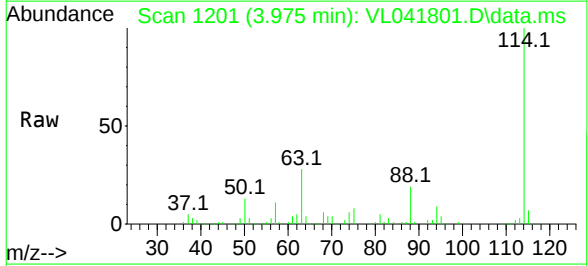
41 124.7 74.0 111.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 12
Delta R.T. 0.019 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

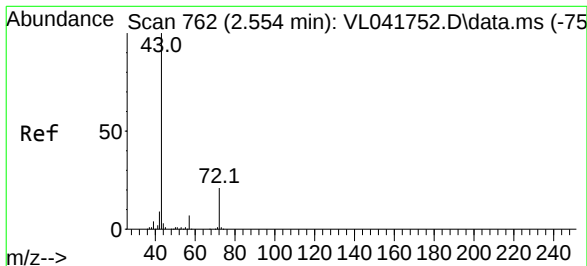
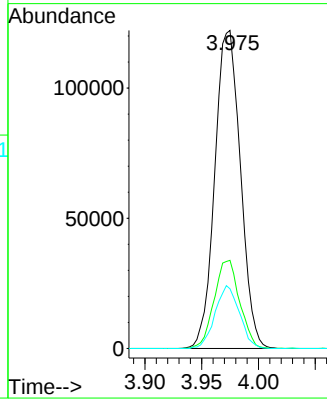
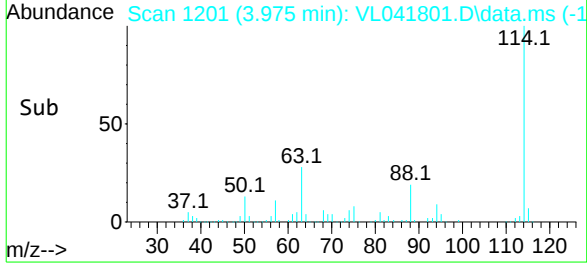
Instrument :
MSVOA_L
ClientSampleId :
C0AC2



Tgt Ion: 114 Resp: 191938
Ion Ratio Lower Upper
114 100
63 27.6 21.8 32.8
88 18.7 14.8 22.2

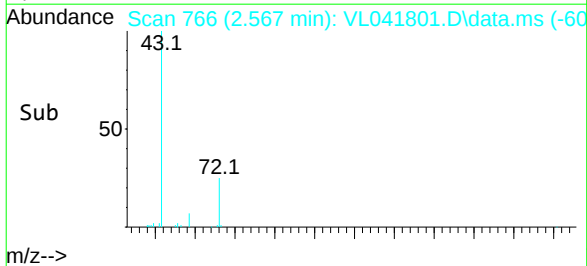
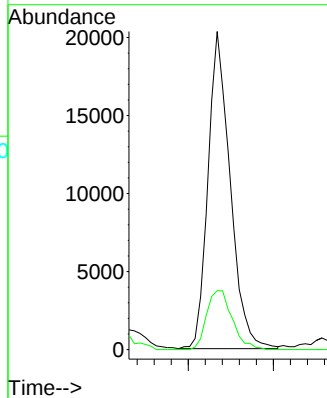
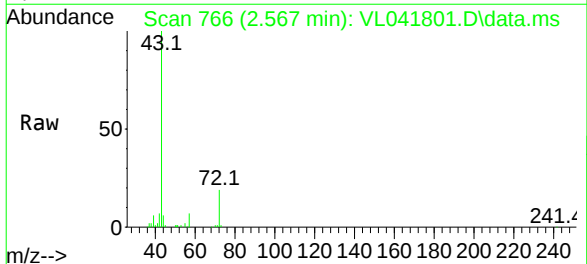
Manual Integrations
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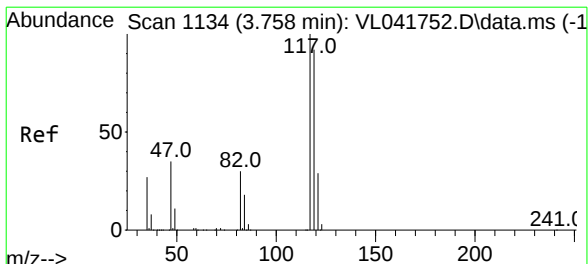
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#34
2-Butanone
Concen: 1.191 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.013 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

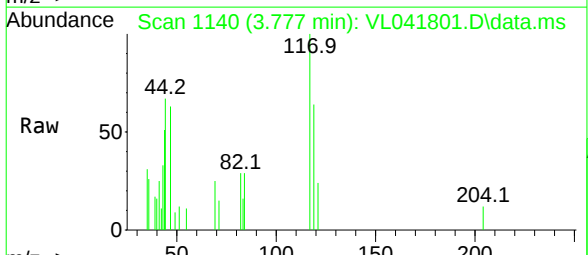
Tgt Ion: 43 Resp: 18388
Ion Ratio Lower Upper
43 100
72 21.4 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.057 ppbv
RT: 3.777 min Scan# 1134
Delta R.T. 0.019 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

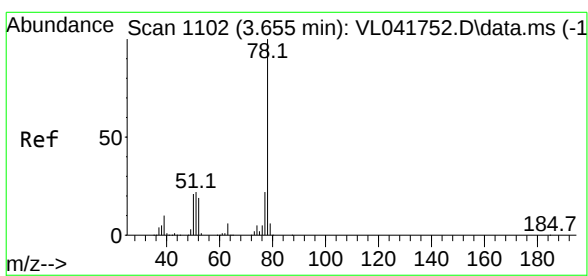
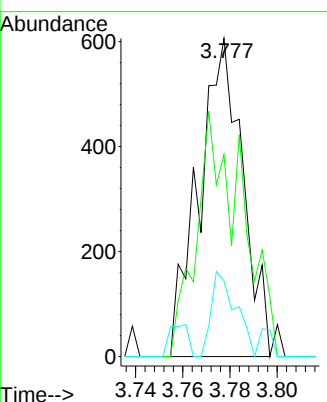
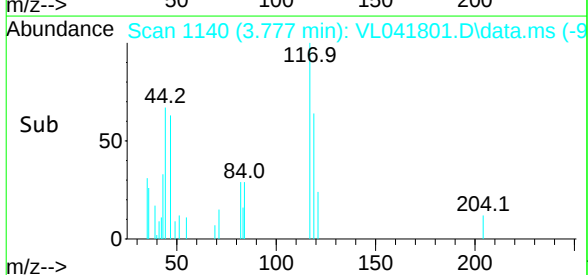
Instrument : MSVOA_L
ClientSampleId : C0AC2



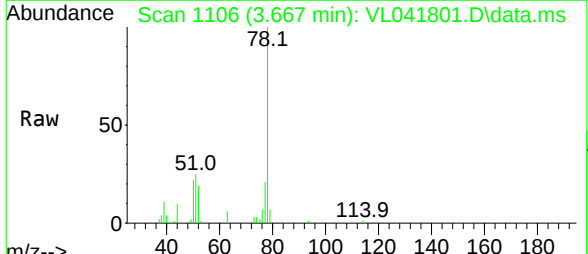
Tgt Ion: 117 Resp: 780

Ion	Ratio	Lower	Upper
117	100		
119	63.5	73.7	110.5
121	15.3	23.0	34.4

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Reviewed By : Semsettin Yesilyurt 12/19/2024
Supervised By : Mahesh Dadoda 12/19/2024

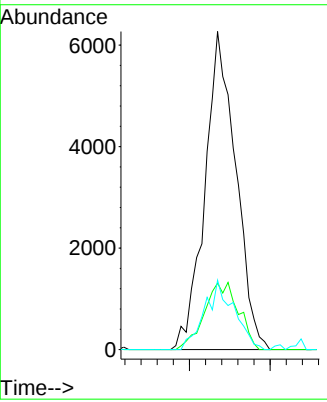
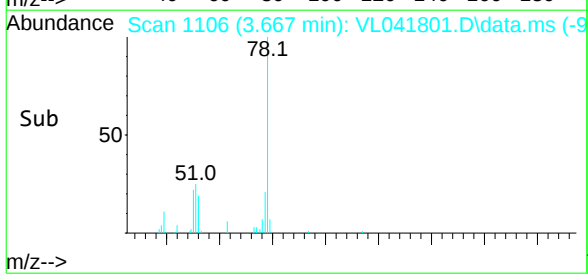


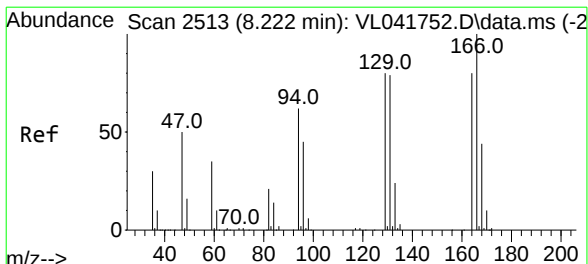
#36
Benzene
Concen: 0.421 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24



Tgt Ion: 78 Resp: 8357

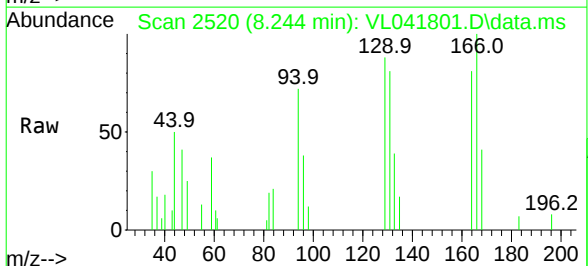
Ion	Ratio	Lower	Upper
78	100		
77	20.9	17.8	26.6
50	21.8	17.2	25.8





#52
Tetrachloroethene
Concen: 0.149 ppbv
RT: 8.244 min Scan# 2513
Delta R.T. 0.022 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

Instrument : MSVOA_L
ClientSampleId : C0AC2

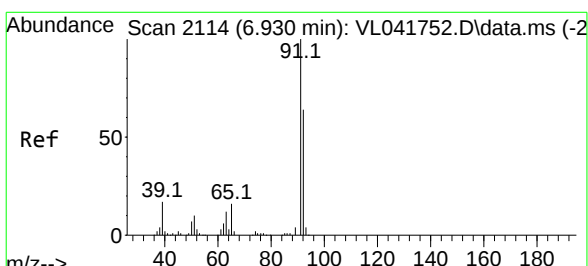
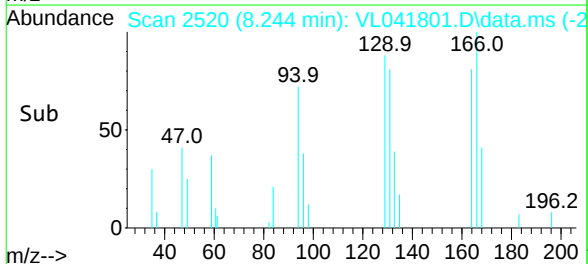
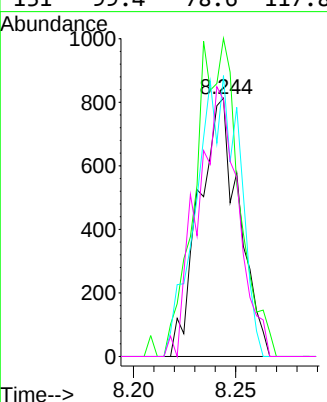


Tgt Ion: 164 Resp: 1104

Ion	Ratio	Lower	Upper
164	100		
166	113.8	99.8	149.6
129	108.7	79.6	119.4
131	99.4	78.6	117.8

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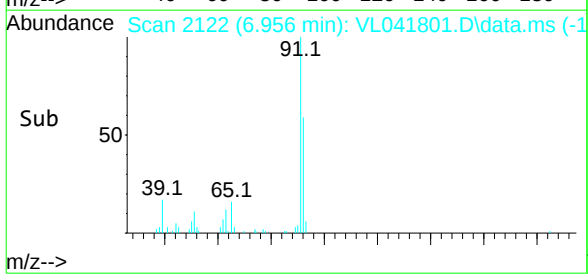
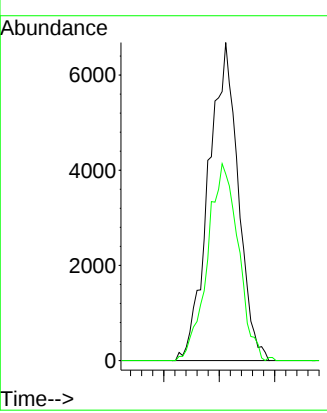
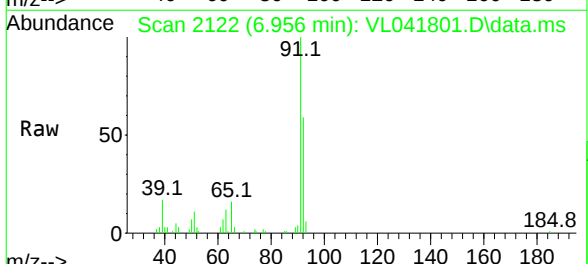
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024

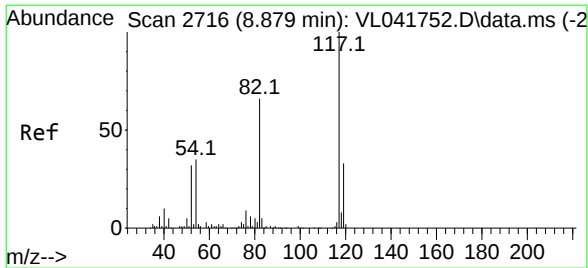


#53
Toluene
Concen: 0.551 ppbv m
RT: 6.956 min Scan# 2122
Delta R.T. 0.026 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

Tgt Ion: 91 Resp: 12413

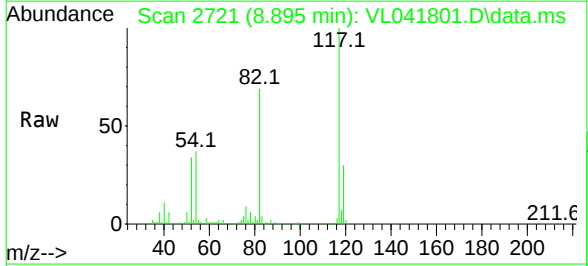
Ion	Ratio	Lower	Upper
91	100		
92	64.4	47.9	71.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2716
Delta R.T. 0.016 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

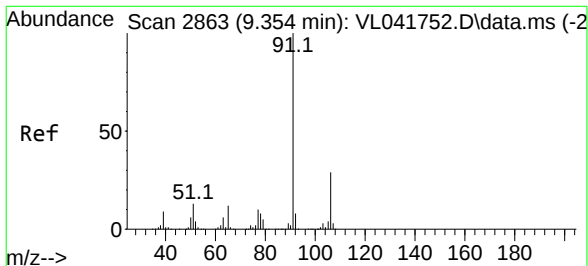
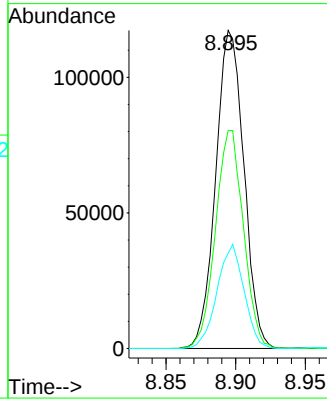
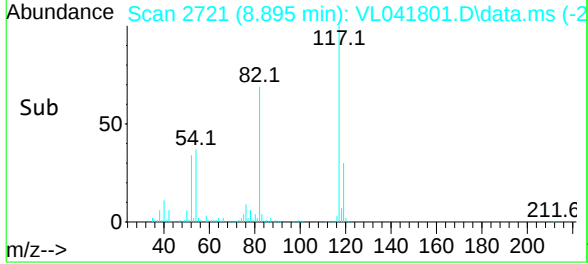
Instrument :
MSVOA_L
ClientSampleId :
C0AC2



Tgt Ion: 117 Resp: 165356
Ion Ratio Lower Upper
117 100
82 68.0 53.8 80.8
119 31.4 26.7 40.1

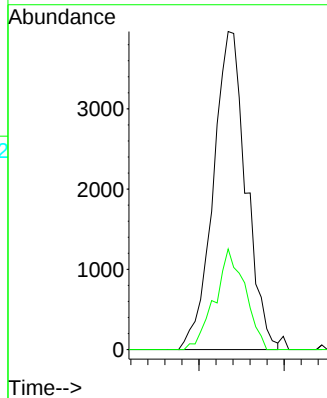
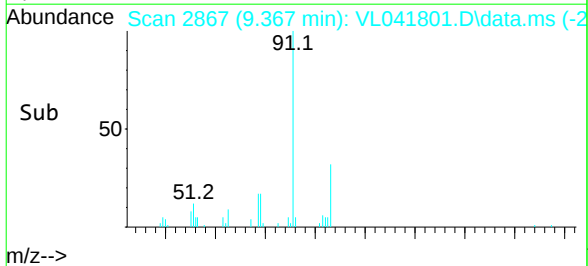
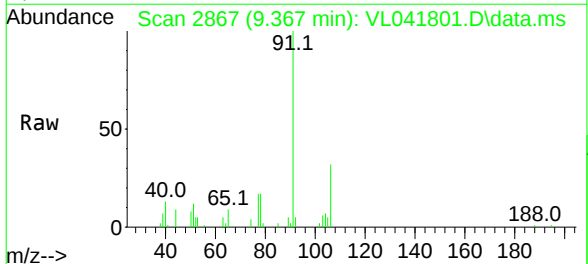
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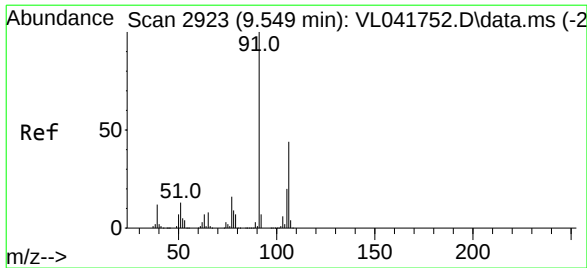
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#58
Ethyl Benzene
Concen: 0.178 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.013 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

Tgt Ion: 91 Resp: 5312
Ion Ratio Lower Upper
91 100
106 31.6 23.5 35.3





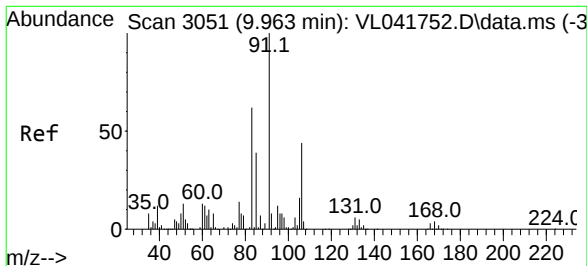
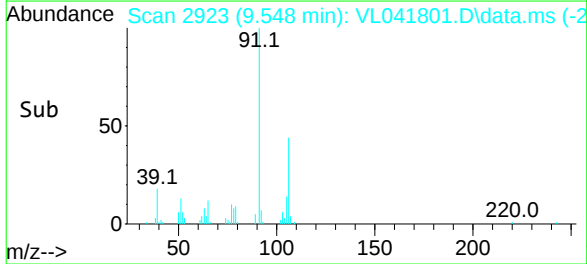
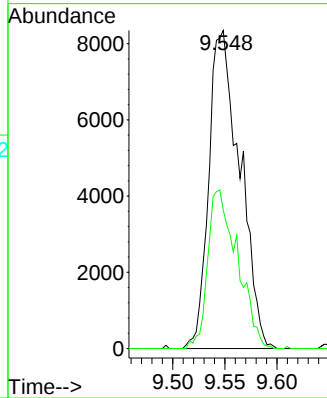
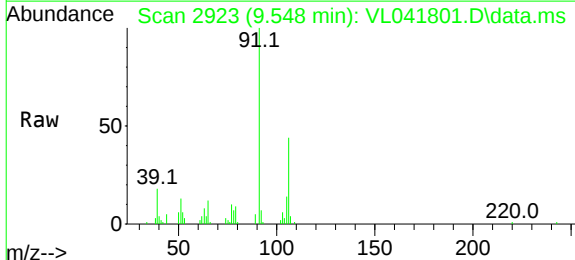
#59
m/p-Xylene
Concen: 0.723 ppbv m
RT: 9.548 min Scan# 29
Delta R.T. -0.000 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

Instrument :
MSVOA_L
ClientSampleId :
C0AC2

Tgt Ion: 91 Resp: 17313
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

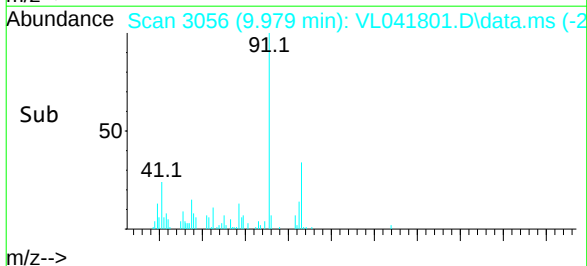
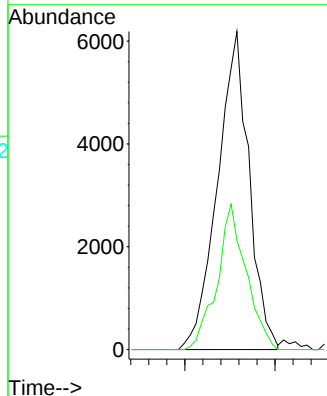
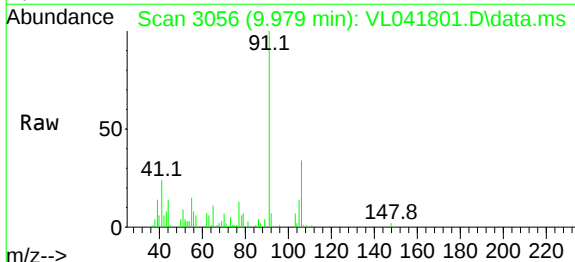
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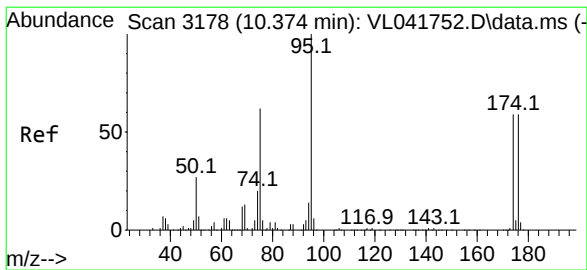
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#60
o-Xylene
Concen: 0.313 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.016 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

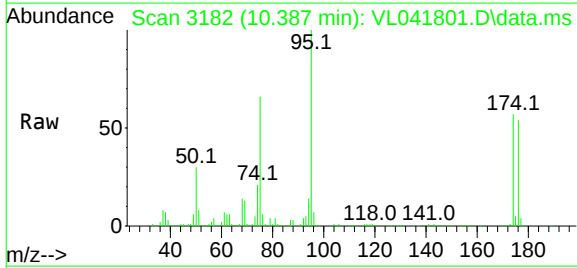
Tgt Ion: 91 Resp: 7510
Ion Ratio Lower Upper
91 100
106 42.1 21.1 63.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.608 ppbv
RT: 10.387 min Scan# 3178
Delta R.T. 0.013 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

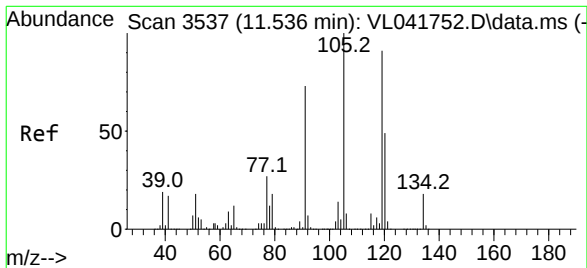
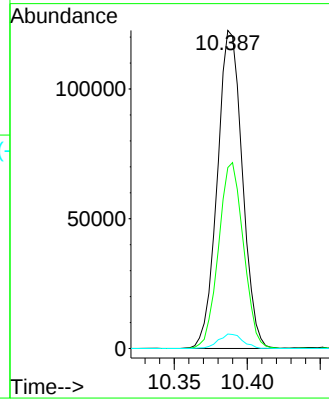
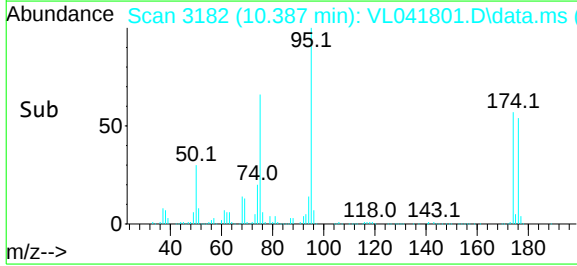
Instrument :
MSVOA_L
ClientSampleId :
C0AC2



Tgt Ion: 95 Resp: 146176
Ion Ratio Lower Upper
95 100
174 58.2 47.6 71.4
175 4.4 3.7 5.5

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Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.327 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.009 min
Lab File: VL041801.D
Acq: 18 Dec 2024 19:24

Tgt Ion:105 Resp: 8267
Ion Ratio Lower Upper
105 100
120 44.3 39.0 58.4
91 14.5 58.1 87.1#
77 17.1 21.8 32.8#

