

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041806.D
 Acq On : 18 Dec 2024 22:06
 Operator : SY/MD
 Sample : P5292-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC6

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 08:00:22 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	2.800	49	72264	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.975	114	174871	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.898	117	162352	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	134435	9.937	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	2378	0.185	ppbv	97
9) Propene	1.492	41	1211	0.237	ppbv	99
11) Trichlorofluoromethane	1.884	101	3527	0.258	ppbv	99
13) Ethanol	1.729	45	9109	21.537	ppbv #	34
15) Acetone	1.842	43	12972	0.923	ppbv	98
17) tert-Butyl alcohol	2.049	59	1884m	0.135	ppbv	
19) Isopropyl Alcohol	1.894	45	48517	5.751	ppbv #	38
20) Methylene Chloride	2.068	84	2394	0.597	ppbv #	92
25) Ethyl Acetate	2.848	43	6362	0.243	ppbv #	96
26) Hexane	2.842	57	2624	0.264	ppbv #	85
29) Chloroform	2.861	83	1784	0.118	ppbv	84
32) 1,1,1-Trichloroethane	3.383	97	8367	0.544	ppbv	94
34) 2-Butanone	2.573	43	2587	0.184	ppbv	99
53) Toluene	6.956	91	15703	0.766	ppbv	95
58) Ethyl Benzene	9.367	91	3037m	0.104	ppbv	
59) m/p-Xylene	9.545	91	7778m	0.331	ppbv	
60) o-Xylene	9.979	91	3105m	0.132	ppbv	

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

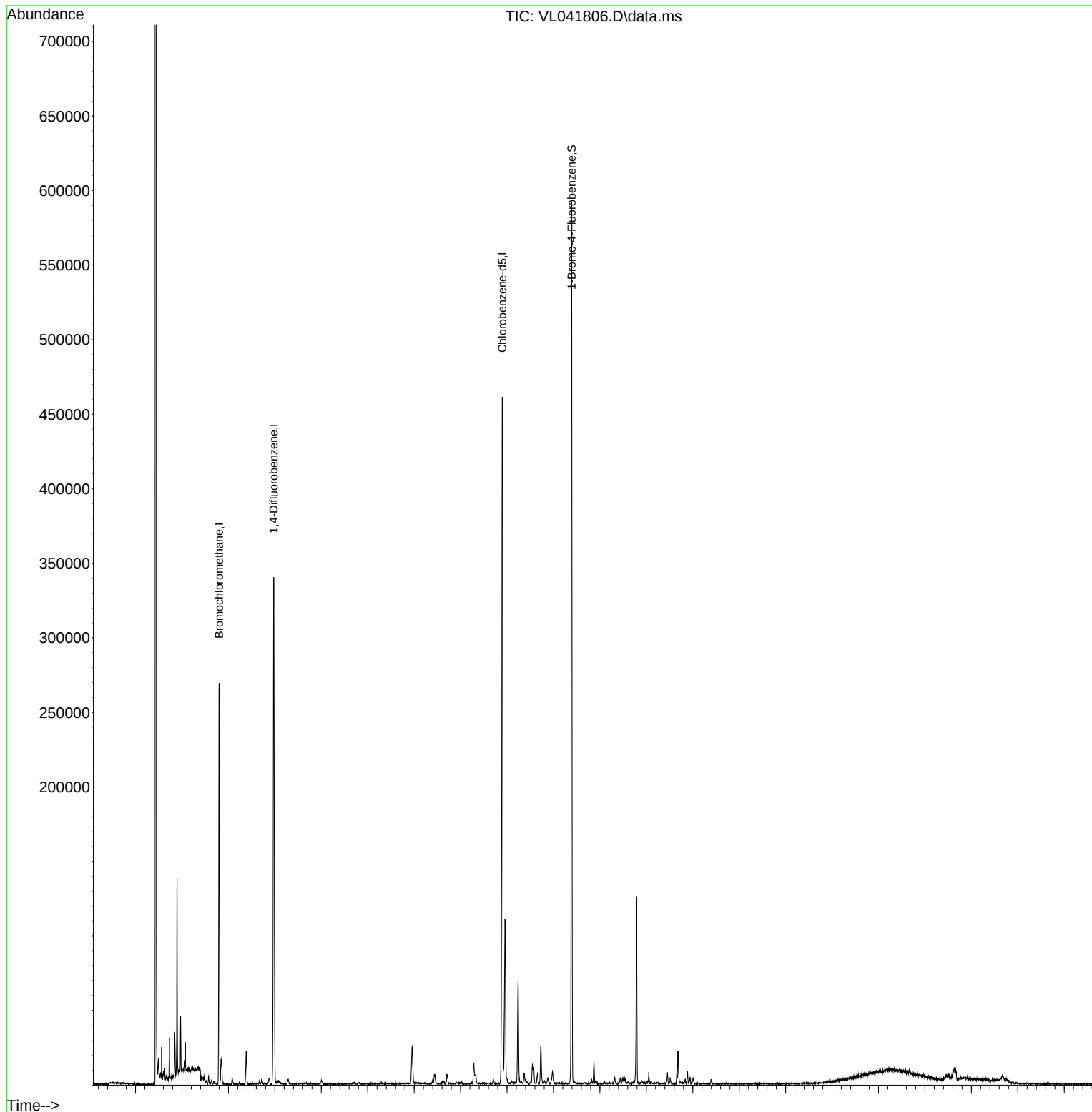
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041806.D
Acq On : 18 Dec 2024 22:06
Operator : SY/MD
Sample : P5292-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 14 Sample Multiplier: 1

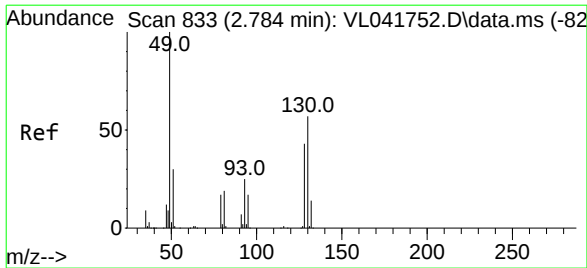
Instrument :
MSVOA_L
ClientSampleId :
C0AC6

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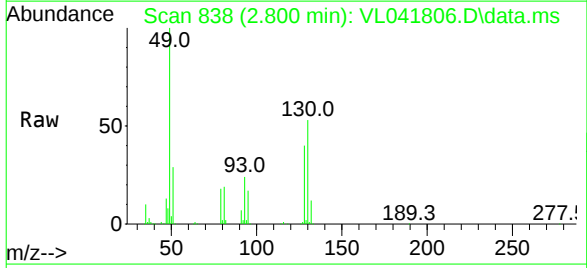
Quant Time: Dec 19 08:00:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 833
Delta R.T. 0.016 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

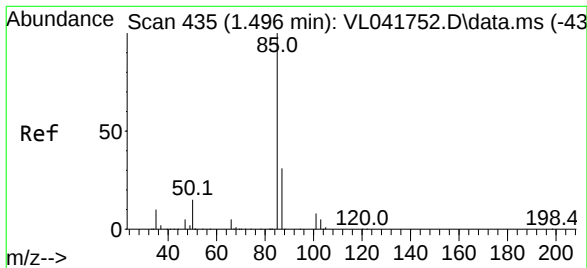
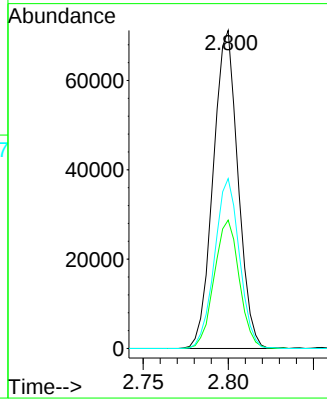
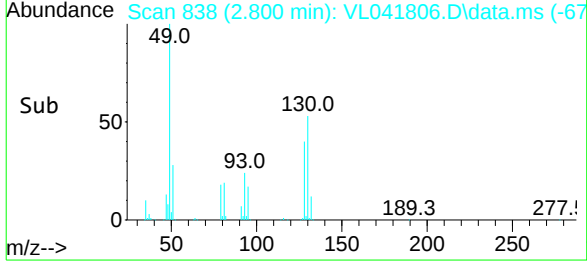
Instrument :
MSVOA_L
ClientSampleId :
C0AC6



Tgt Ion: 49 Resp: 72264
Ion Ratio Lower Upper
49 100
128 40.8 21.6 64.6
130 53.4 28.3 85.0

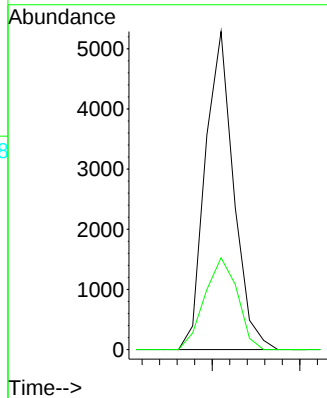
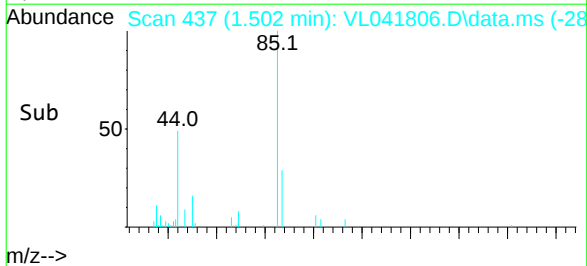
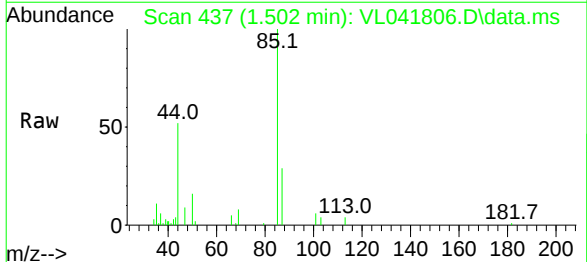
Manual Integrations
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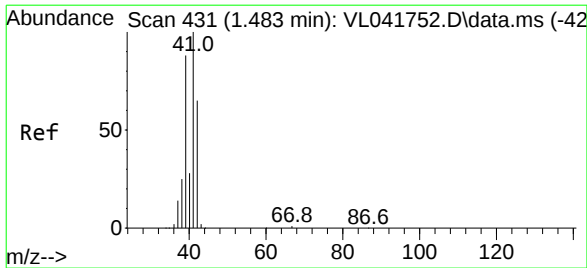
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#2
Dichlorodifluoromethane
Concen: 0.185 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

Tgt Ion: 85 Resp: 2378
Ion Ratio Lower Upper
85 100
87 28.9 24.5 36.7





#9

Propene

Concen: 0.237 ppbv

RT: 1.492 min Scan# 431

Delta R.T. 0.009 min

Lab File: VL041806.D

Acq: 18 Dec 2024 22:06

Instrument :

MSVOA_L

ClientSampleId :

C0AC6

Tgt Ion: 41 Resp: 1211

Ion Ratio Lower Upper

41 100

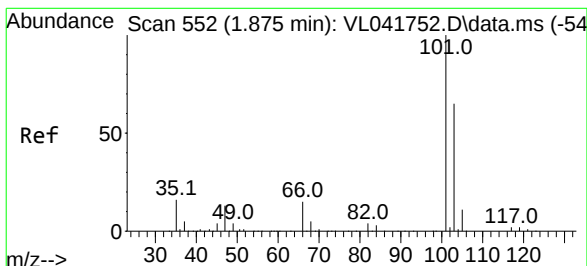
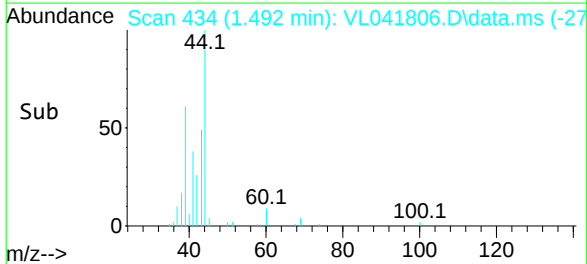
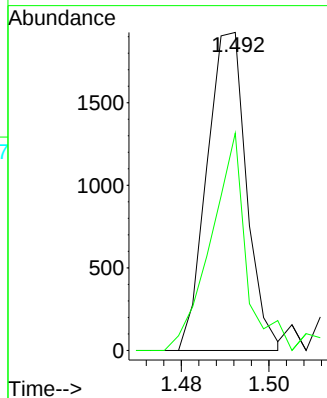
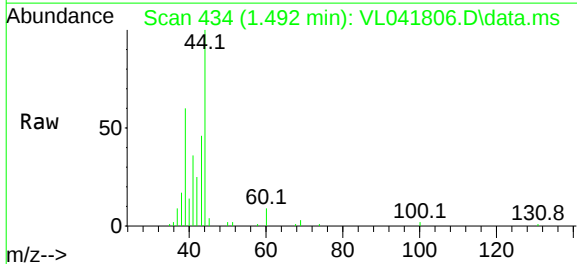
42 66.5 52.4 78.6

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 0.258 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.009 min

Lab File: VL041806.D

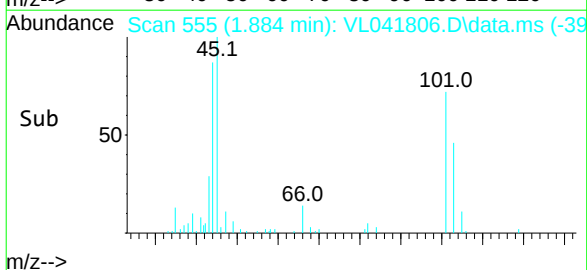
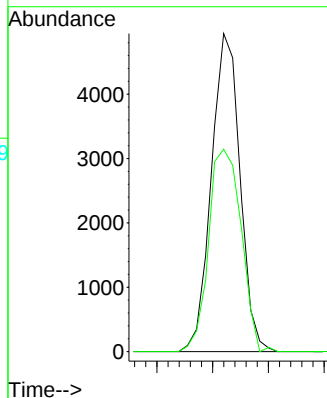
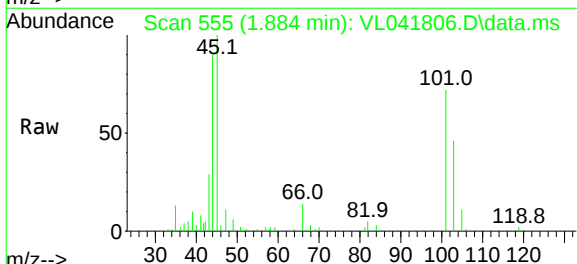
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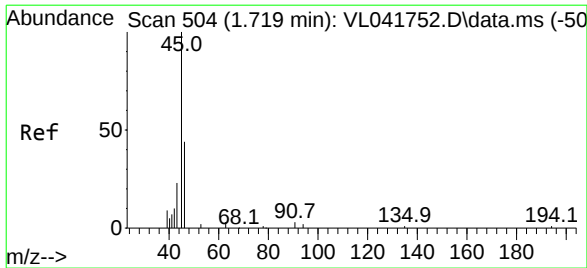
Tgt Ion:101 Resp: 3527

Ion Ratio Lower Upper

101 100

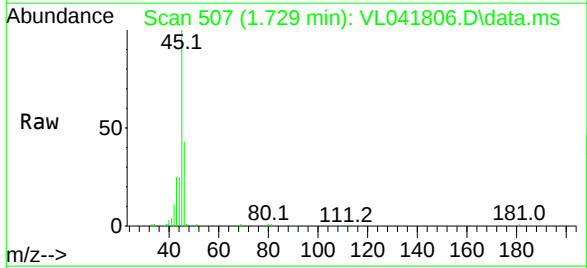
103 63.6 51.8 77.8





#13
Ethanol
Concen: 21.537 ppbv
RT: 1.729 min Scan# 50
Delta R.T. 0.009 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

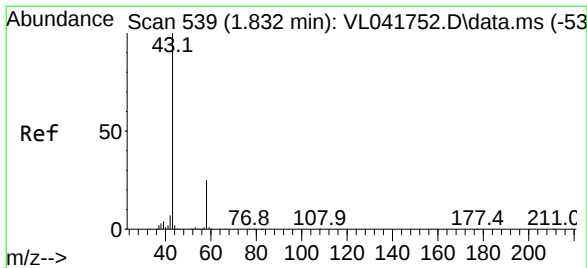
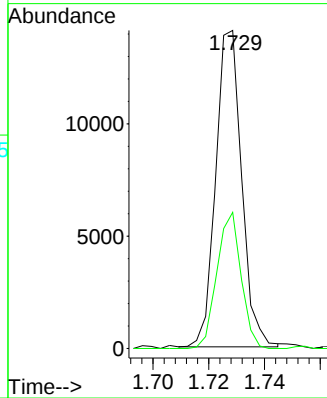
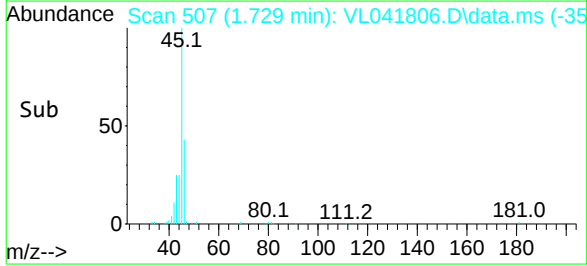
Instrument :
MSVOA_L
ClientSampleId :
C0AC6



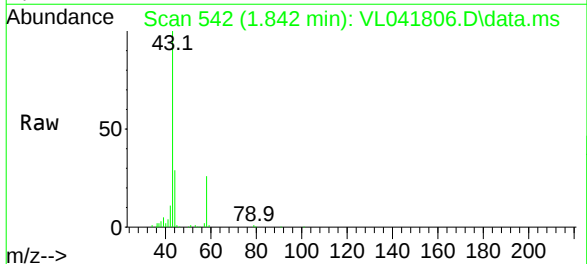
Tgt Ion: 45 Resp: 9109
Ion Ratio Lower Upper
45 100
46 0.0 16.4 65.8#

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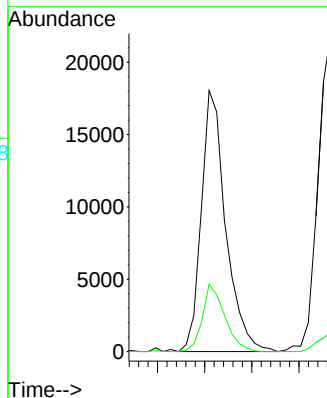
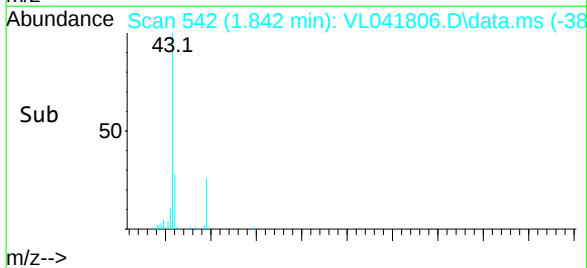
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024

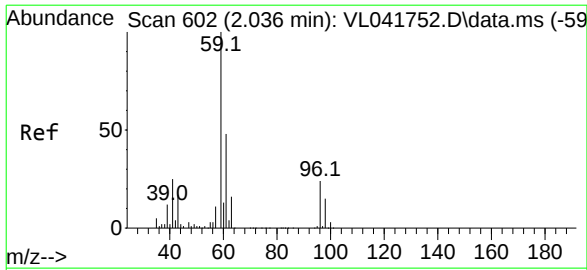


#15
Acetone
Concen: 0.923 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.009 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06



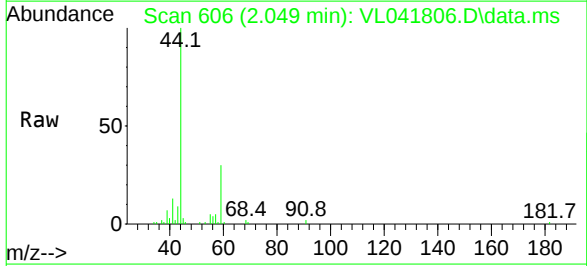
Tgt Ion: 43 Resp: 12972
Ion Ratio Lower Upper
43 100
58 23.8 19.7 29.5





#17
tert-Butyl alcohol
Concen: 0.135 ppbv m
RT: 2.049 min Scan# 602
Delta R.T. 0.013 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

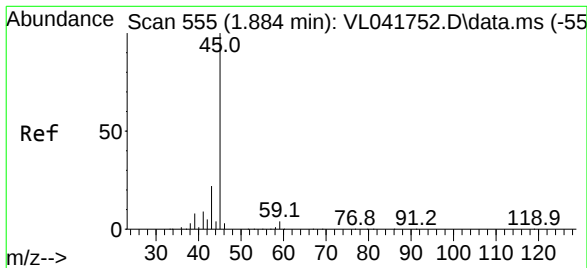
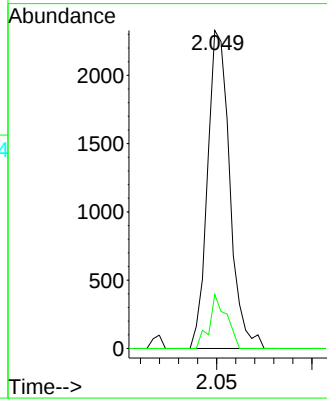
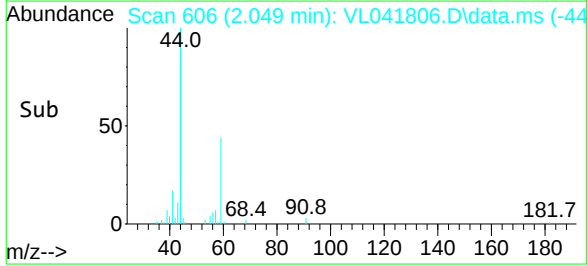
Instrument :
MSVOA_L
ClientSampleId :
C0AC6



Tgt Ion: 59 Resp: 1884
Ion Ratio Lower Upper
59 100
57 10.2 8.6 13.0

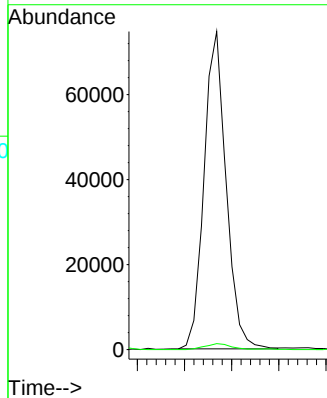
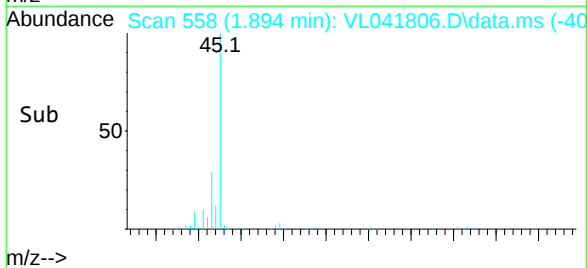
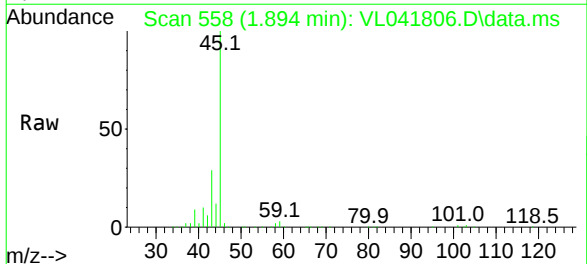
Manual Integrations
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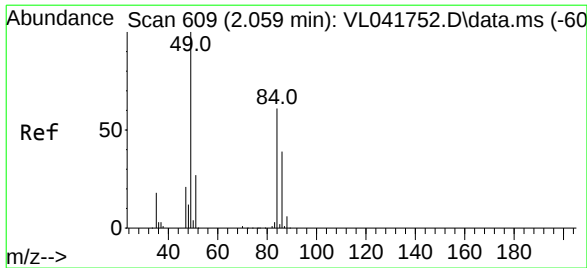
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#19
Isopropyl Alcohol
Concen: 5.751 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.009 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

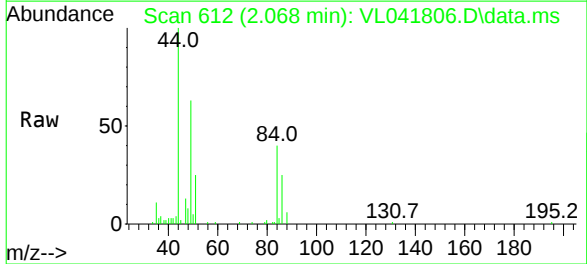
Tgt Ion: 45 Resp: 48517
Ion Ratio Lower Upper
45 100
58 2.4 33.3 49.9#





#20
Methylene Chloride
Concen: 0.597 ppbv
RT: 2.068 min Scan# 61
Delta R.T. 0.009 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

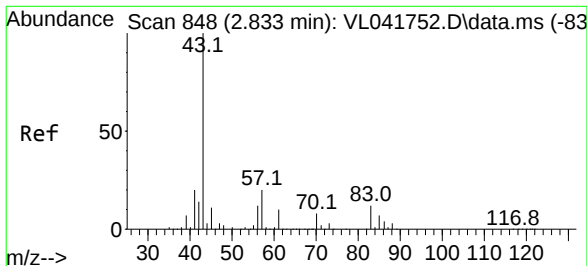
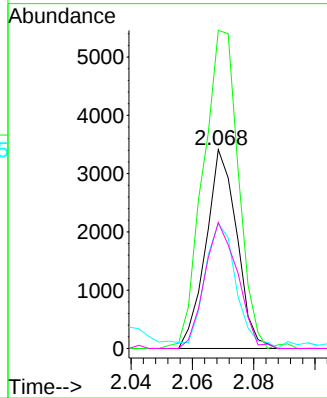
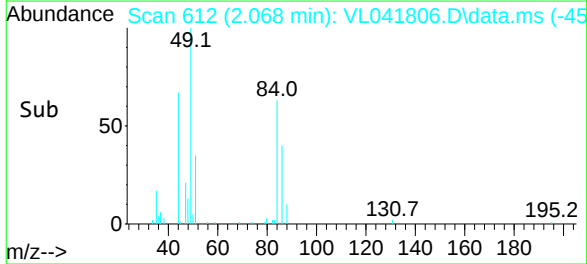
Instrument :
MSVOA_L
ClientSampleId :
C0AC6



Tgt Ion:	84	Resp:	2394
Ion	Ratio	Lower	Upper
84	100		
49	158.1	132.6	198.8
51	62.8	37.6	56.4#
86	63.4	51.4	77.0

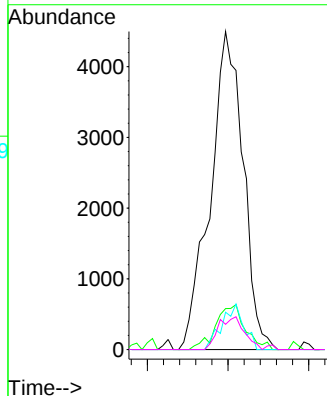
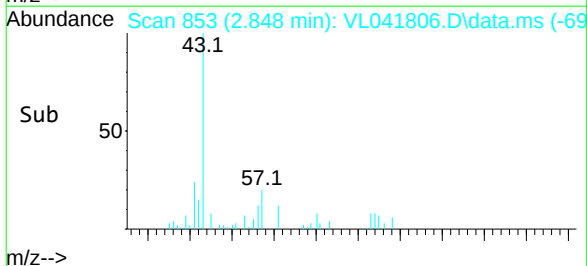
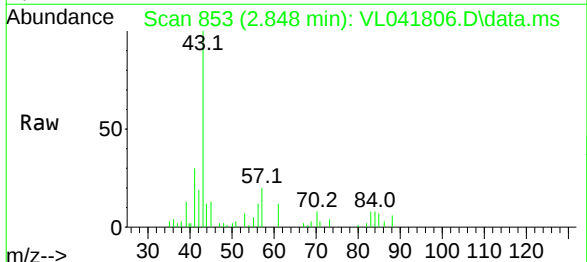
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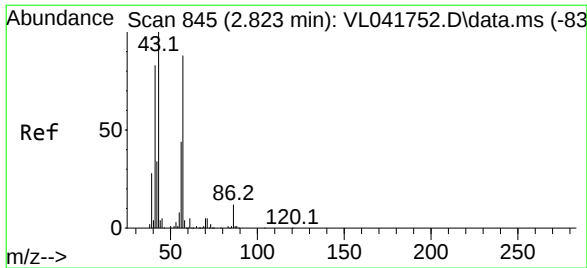
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#25
Ethyl Acetate
Concen: 0.243 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.016 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

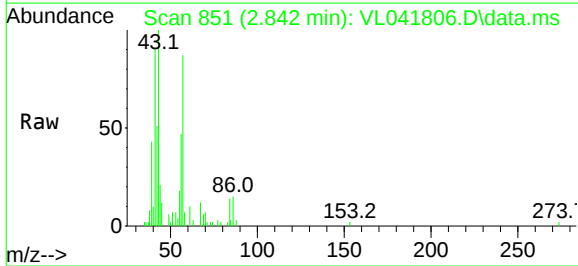
Tgt Ion:	43	Resp:	6362
Ion	Ratio	Lower	Upper
43	100		
45	12.6	8.1	12.1#
61	9.6	7.0	10.6
70	8.5	6.5	9.7





#26
Hexane
Concen: 0.264 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

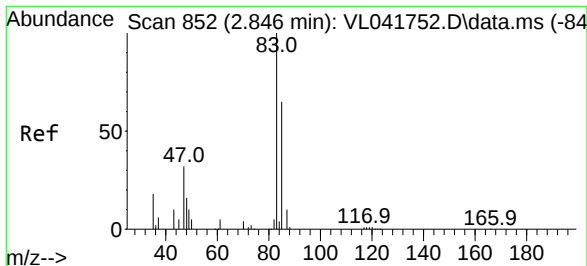
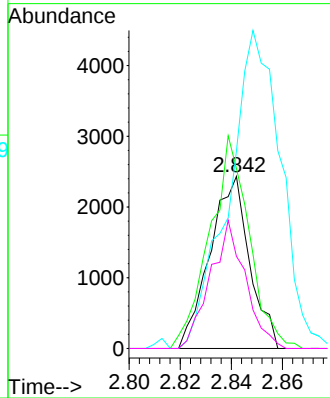
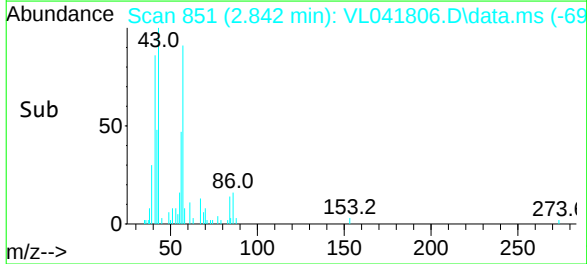
Instrument :
MSVOA_L
ClientSampleId :
C0AC6



Tgt Ion: 57 Resp: 2624
Ion Ratio Lower Upper
57 100
41 122.9 79.6 119.4#
43 243.9 211.0 316.6
56 65.9 42.6 63.8#

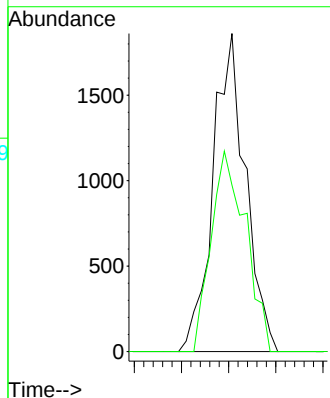
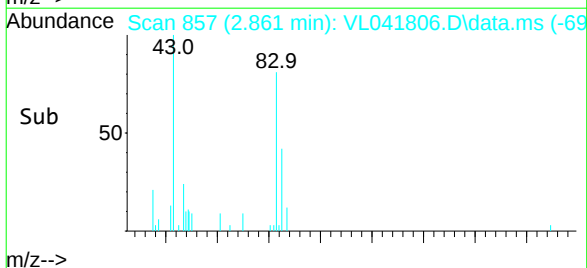
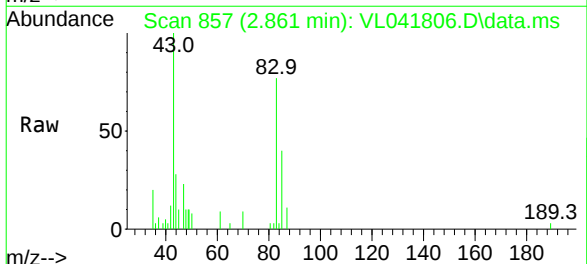
Manual Integrations
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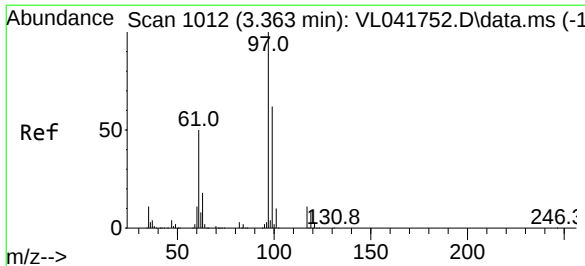
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#29
Chloroform
Concen: 0.118 ppbv
RT: 2.861 min Scan# 857
Delta R.T. 0.016 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

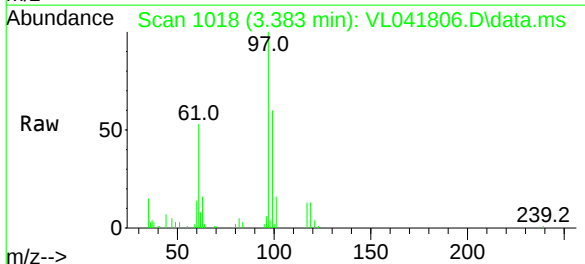
Tgt Ion: 83 Resp: 1784
Ion Ratio Lower Upper
83 100
85 52.3 51.8 77.6





#32
1,1,1-Trichloroethane
Concen: 0.544 ppbv
RT: 3.383 min Scan# 1012
Delta R.T. 0.019 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

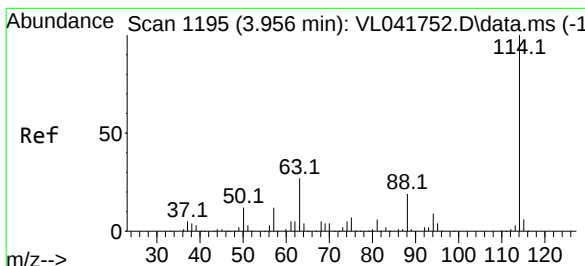
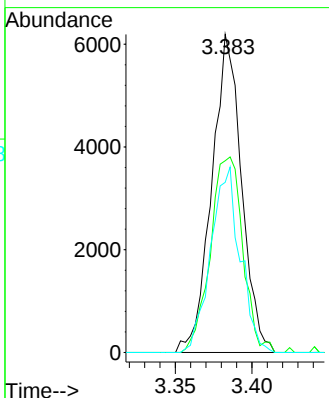
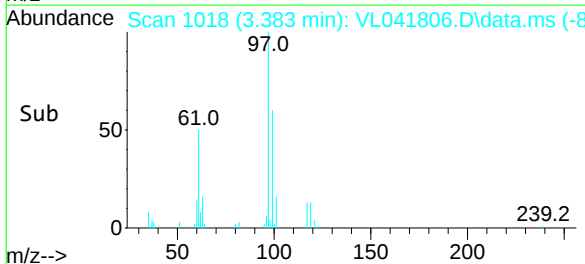
Instrument :
MSVOA_L
ClientSampleId :
C0AC6



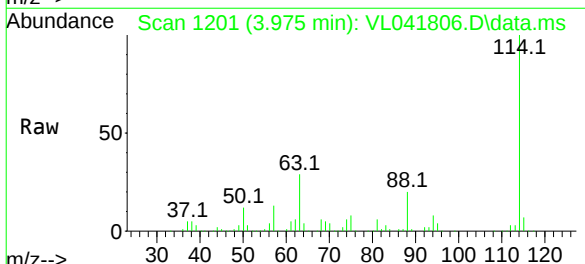
Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.3	51.0	76.4
61	57.6	42.2	63.2

Manual Integrations
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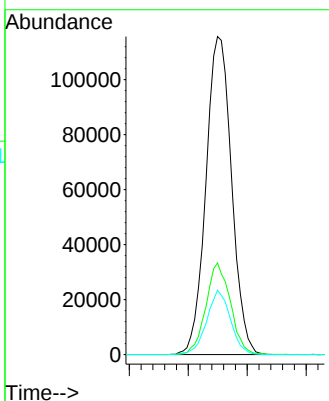
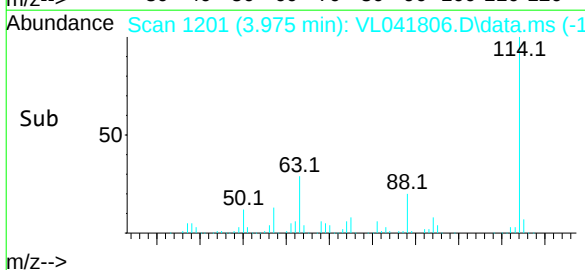
Reviewed By :Semsettin Yesilyurt 12/19/2024
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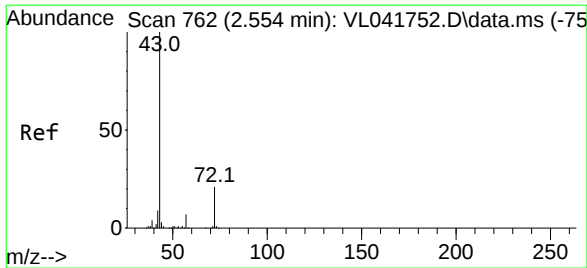


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.019 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06



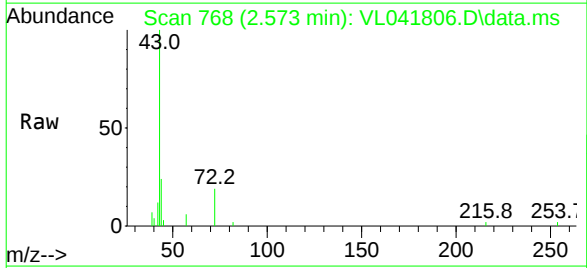
Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.8	32.8
88	18.6	14.8	22.2





#34
2-Butanone
Concen: 0.184 ppbv
RT: 2.573 min Scan# 76
Delta R.T. 0.019 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

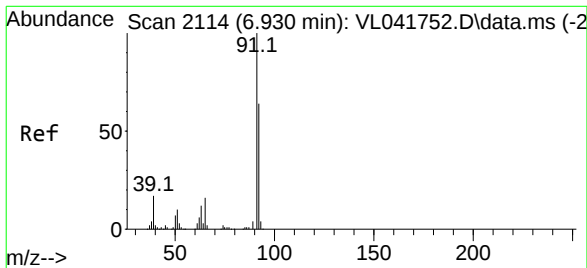
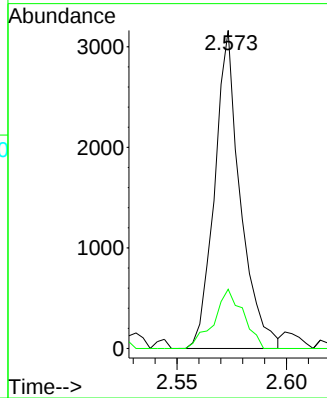
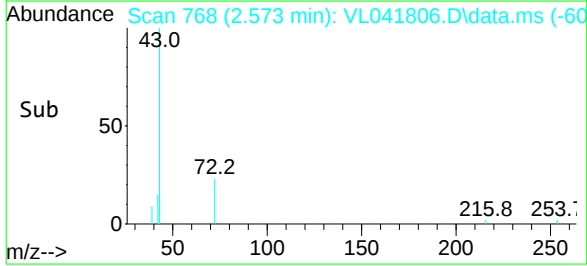
Instrument :
MSVOA_L
ClientSampleId :
C0AC6



Tgt Ion: 43 Resp: 2587
Ion Ratio Lower Upper
43 100
72 21.3 16.8 25.2

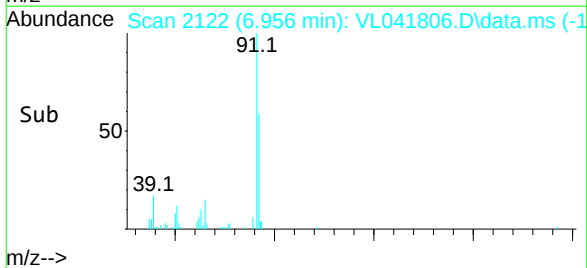
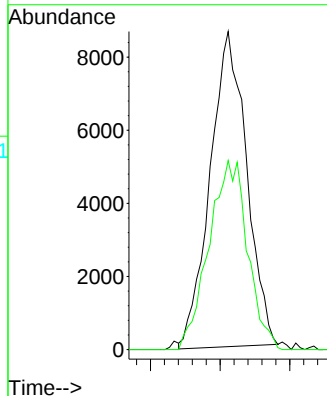
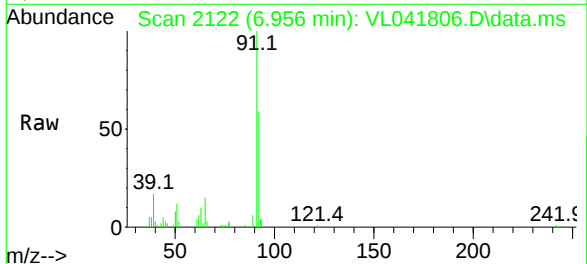
Manual Integrations
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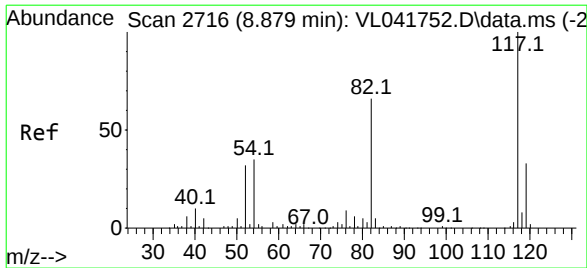
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#53
Toluene
Concen: 0.766 ppbv
RT: 6.956 min Scan# 2122
Delta R.T. 0.026 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

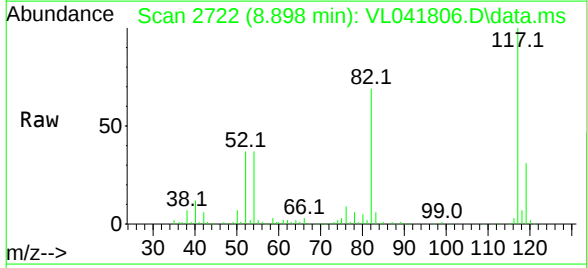
Tgt Ion: 91 Resp: 15703
Ion Ratio Lower Upper
91 100
92 63.4 47.9 71.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2716
Delta R.T. 0.019 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

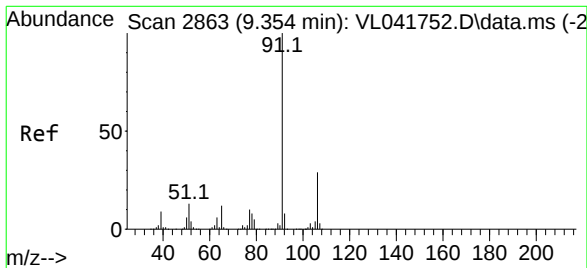
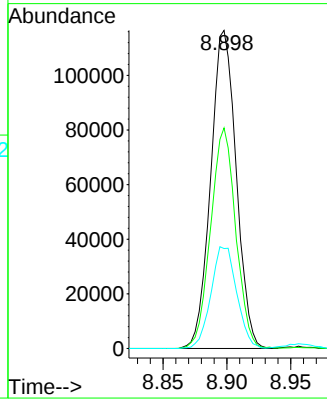
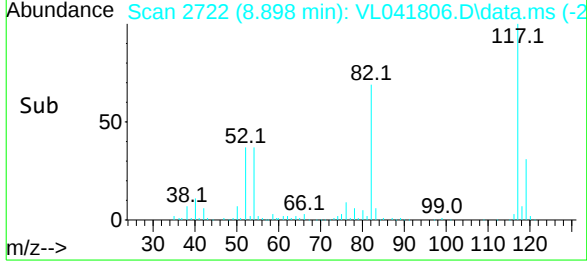
Instrument :
MSVOA_L
ClientSampleId :
C0AC6



Tgt Ion: 117 Resp: 162352
Ion Ratio Lower Upper
117 100
82 68.4 53.8 80.8
119 32.3 26.7 40.1

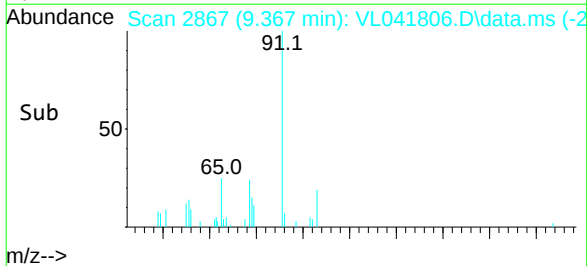
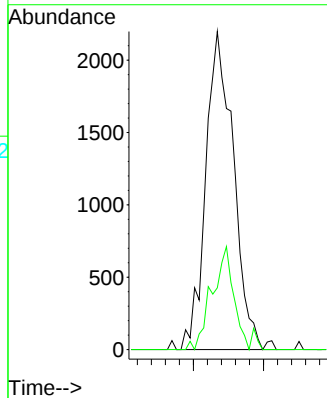
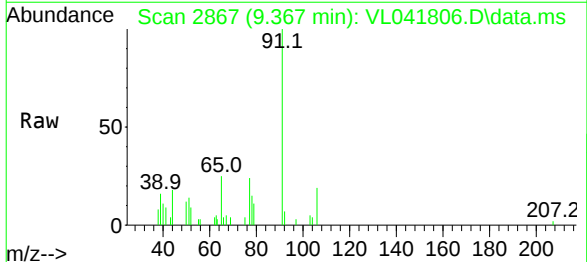
Manual Integrations
APPROVED

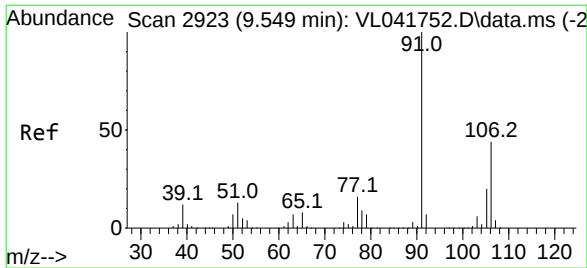
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#58
Ethyl Benzene
Concen: 0.104 ppbv m
RT: 9.367 min Scan# 2867
Delta R.T. 0.013 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

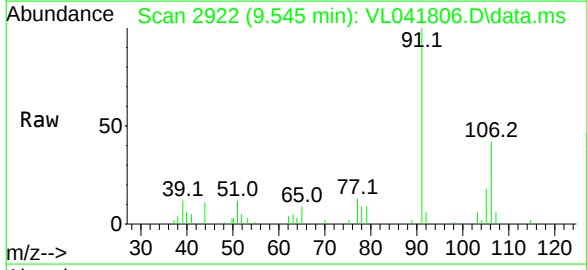
Tgt Ion: 91 Resp: 3037
Ion Ratio Lower Upper
91 100
106 19.4 23.5 35.3#





m/p-Xylene
Concen: 0.331 ppbv m
RT: 9.545 min Scan# 2923
Delta R.T. -0.004 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

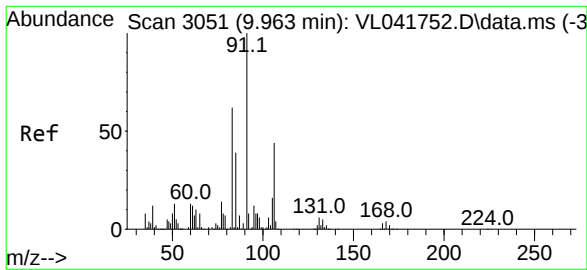
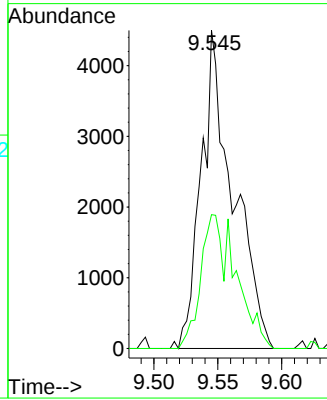
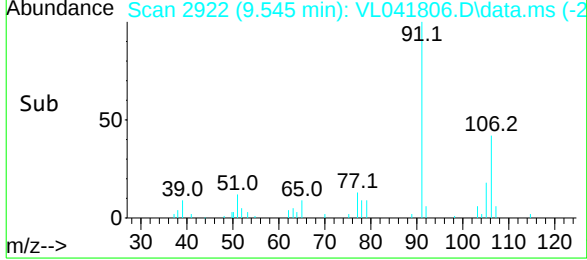
Instrument :
MSVOA_L
ClientSampleId :
C0AC6



Tgt Ion: 91 Resp: 7778
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

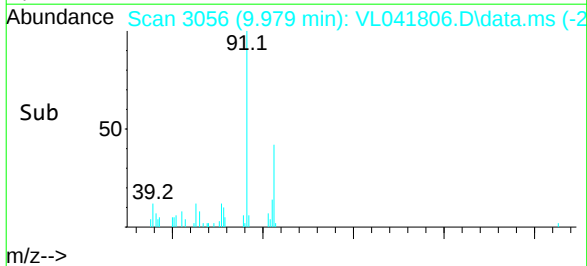
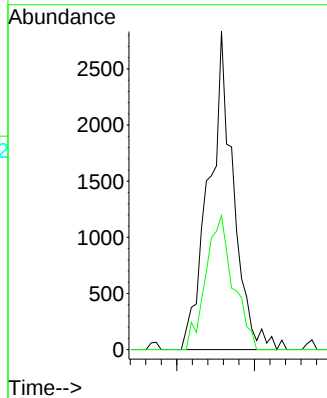
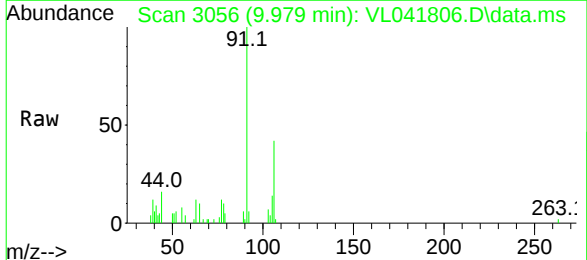
Manual Integrations
APPROVED

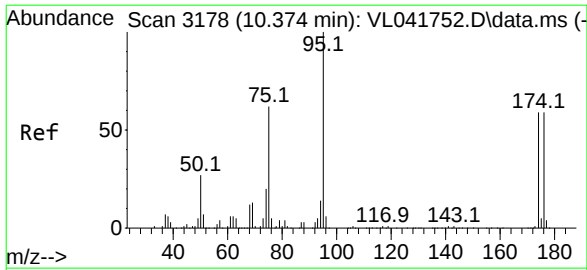
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



o-Xylene
Concen: 0.132 ppbv m
RT: 9.979 min Scan# 3056
Delta R.T. 0.016 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

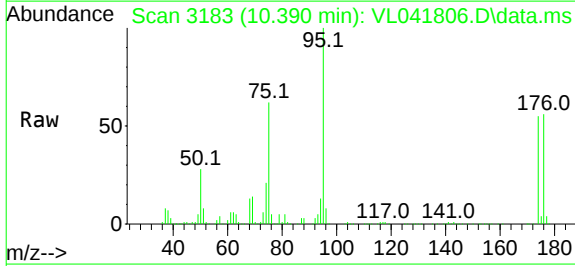
Tgt Ion: 91 Resp: 3105
Ion Ratio Lower Upper
91 100
106 47.3 21.1 63.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.937 ppbv
RT: 10.390 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041806.D
Acq: 18 Dec 2024 22:06

Instrument :
MSVOA_L
ClientSampleId :
C0AC6



Tgt Ion: 95 Resp: 134435
Ion Ratio Lower Upper
95 100
174 57.3 47.6 71.4
175 4.6 3.7 5.5

Manual Integrations
APPROVED

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

