

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041705.D
 Acq On : 20 Nov 2024 18:35
 Operator : SY/MD
 Sample : P4911-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
 Supervised By :Mahesh Dadoda 11/21/2024

Quant Time: Nov 21 05:14:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1055210	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	2827390	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.487	117	2487601	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1856050	10.126	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	121975	0.640	ppbv	99
3) Chlorodifluoromethane	2.693	51	46010m	0.335	ppbv	
4) Chloromethane	2.835	50	33216	0.456	ppbv	97
9) Propene	2.726	41	97358m	1.625	ppbv	
11) Trichlorofluoromethane	3.584	101	35474	0.214	ppbv	89
13) Ethanol	3.262	45	1094180	298.287	ppbv	96
15) Acetone	3.488	43	1001441	7.711	ppbv	98
19) Isopropyl Alcohol	3.603	45	1006045	16.208	ppbv	99
20) Methylene Chloride	3.954	84	100579	2.105	ppbv	95
26) Hexane	5.233	57	101886	0.987	ppbv #	43
34) 2-Butanone	4.812	43	55080	0.391	ppbv	100
35) Carbon Tetrachloride	6.507	117	9591m	0.064	ppbv	
36) Benzene	6.388	78	74505	0.356	ppbv	97
52) Tetrachloroethene	10.635	164	2441m	0.034	ppbv	
53) Toluene	9.246	91	91303m	0.414	ppbv	
59) m/p-Xylene	12.365	91	36988m	0.151	ppbv	
62) Isopropylbenzene	14.053	105	45088m	0.125	ppbv	

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

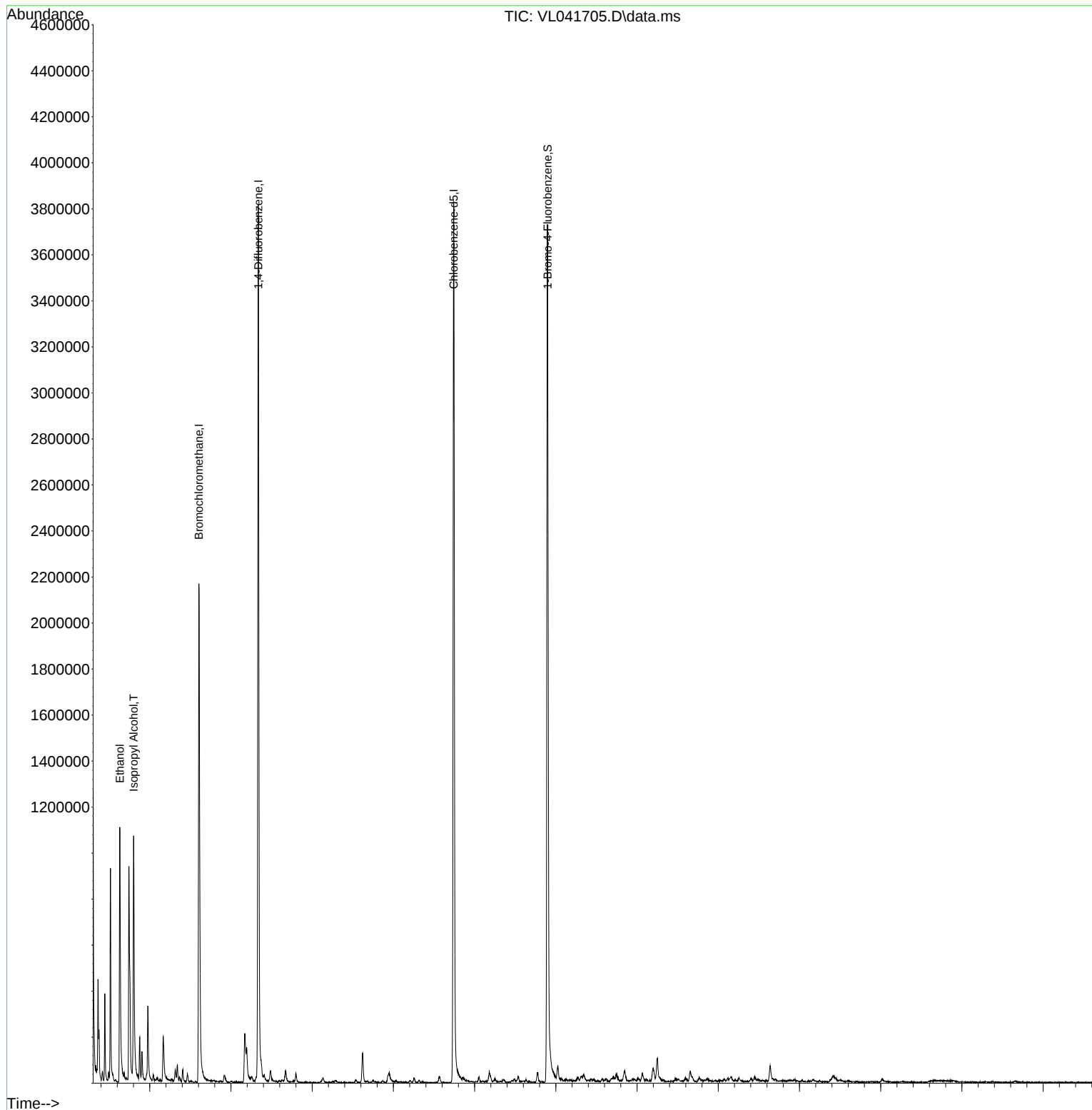
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
Data File : VL041705.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4911-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

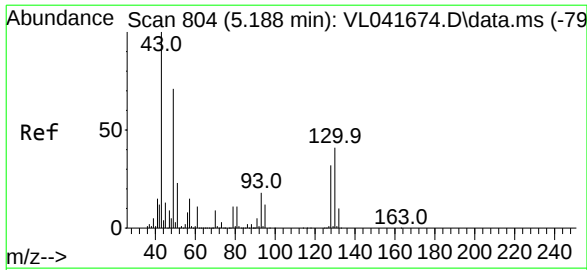
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Nov 21 05:14:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

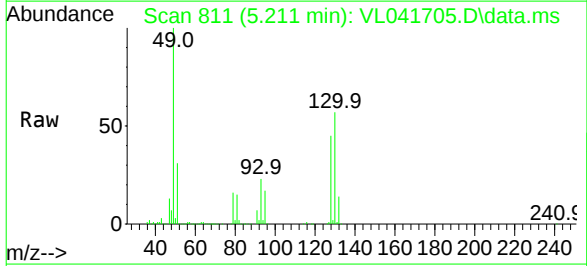
Reviewed By : Semsettin Yesilyurt 11/21/2024
Supervised By : Mahesh Dadoda 11/21/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.023 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

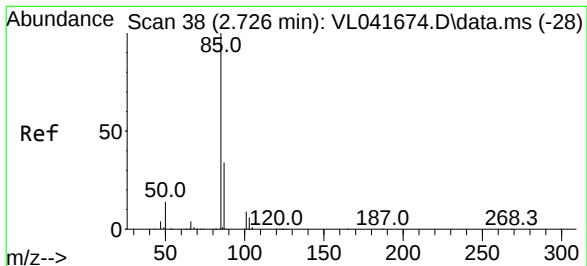
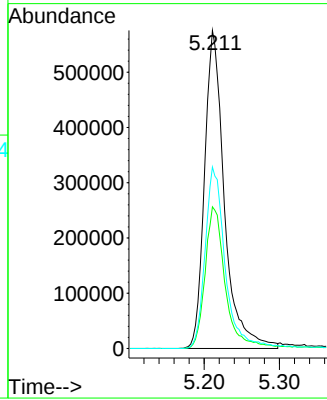
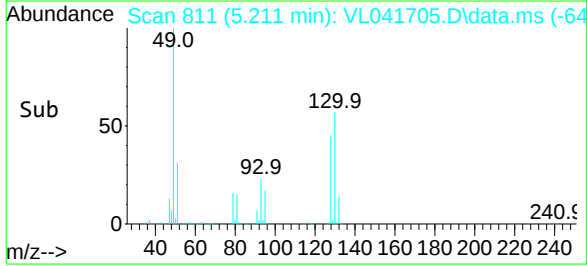
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 1055210
Ion Ratio Lower Upper
49 100
128 46.4 23.8 71.2
130 58.8 30.1 90.5

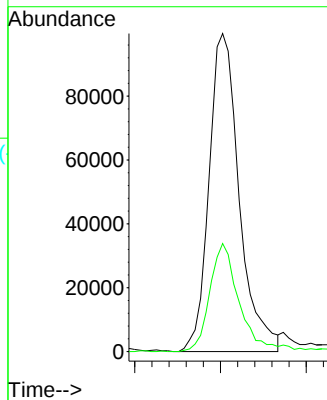
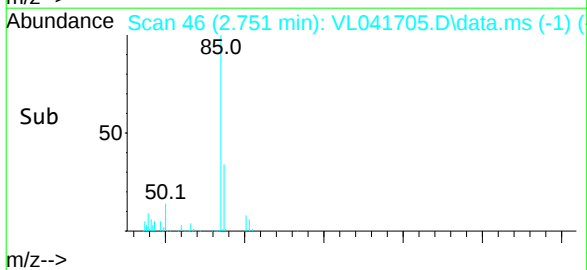
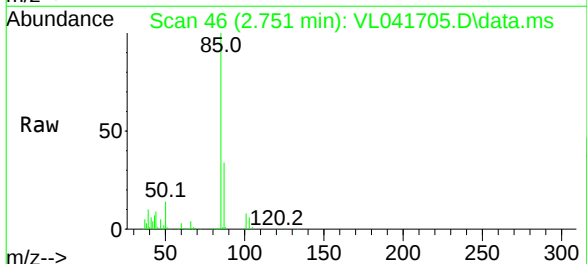
Manual Integrations
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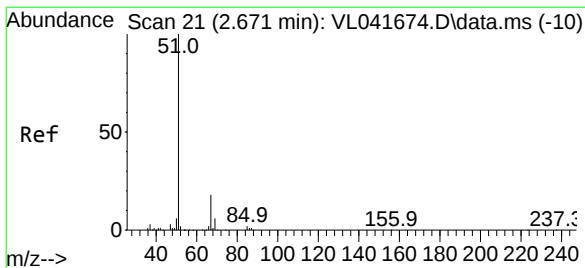
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#2
Dichlorodifluoromethane
Concen: 0.640 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.026 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

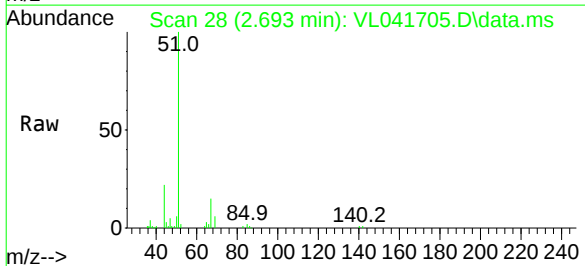
Tgt Ion: 85 Resp: 121975
Ion Ratio Lower Upper
85 100
87 34.0 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.335 ppbv
RT: 2.693 min Scan# 28
Delta R.T. 0.022 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

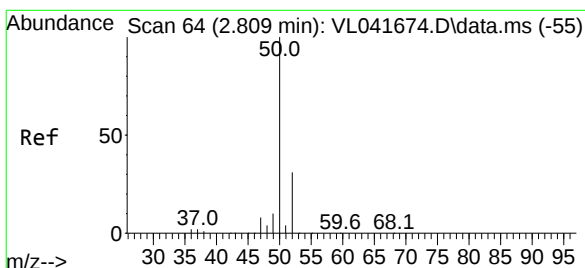
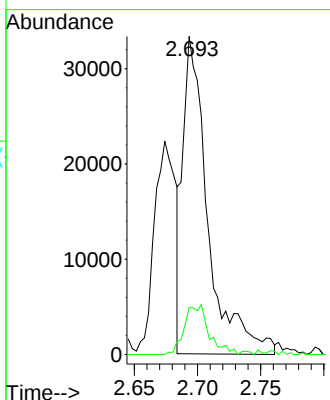
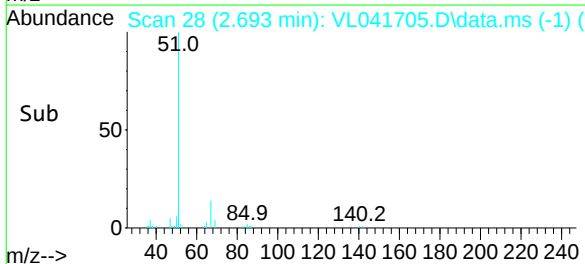
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 51 Resp: 46010
Ion Ratio Lower Upper
51 100
67 15.9 13.9 20.9

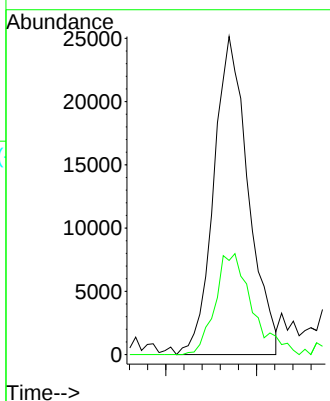
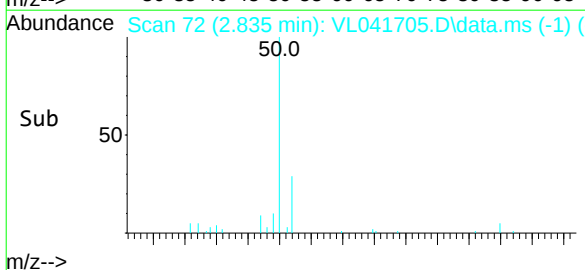
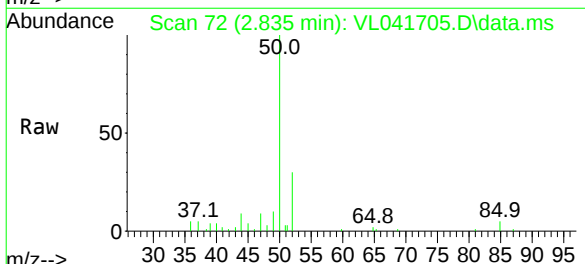
Manual Integrations
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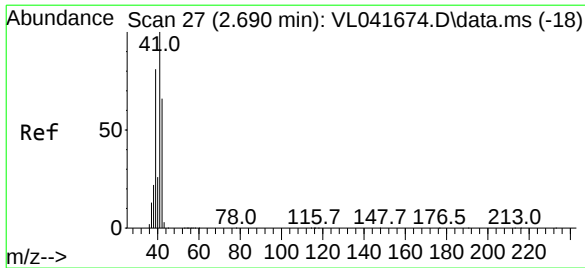
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#4
Chloromethane
Concen: 0.456 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.026 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

Tgt Ion: 50 Resp: 33216
Ion Ratio Lower Upper
50 100
52 29.6 24.9 37.3





#9

Propene

Concen: 1.625 ppbv m

RT: 2.726 min Scan# 38

Delta R.T. 0.035 min

Lab File: VL041705.D

Acq: 20 Nov 2024 18:35

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 97358

Ion Ratio Lower Upper

41 100

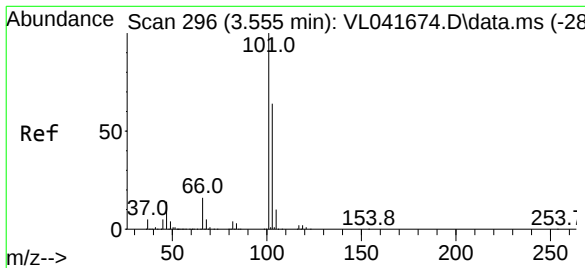
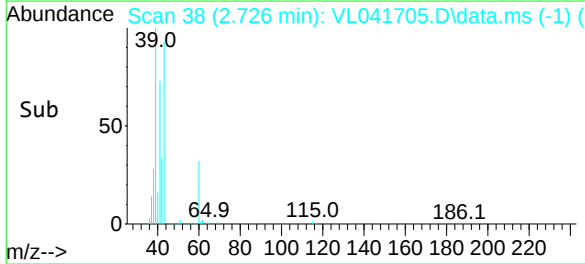
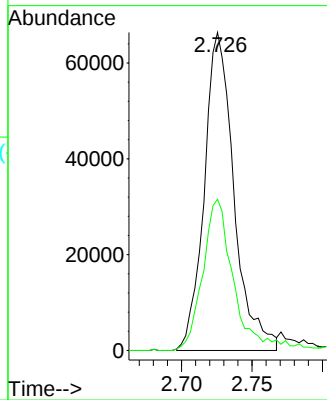
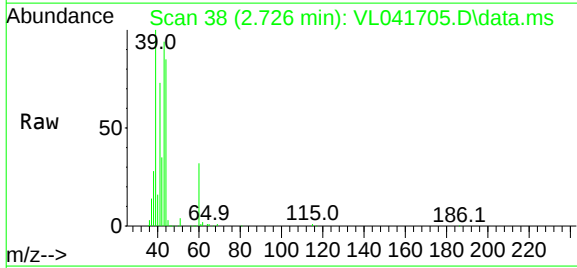
42 64.9 55.0 82.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#11

Trichlorofluoromethane

Concen: 0.214 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.029 min

Lab File: VL041705.D

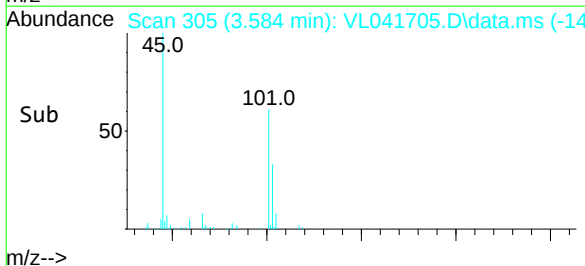
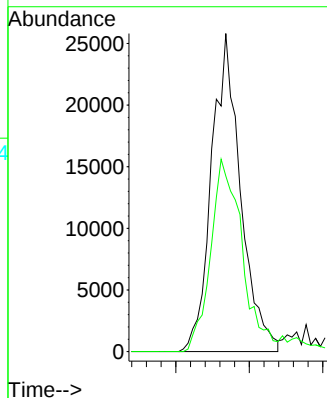
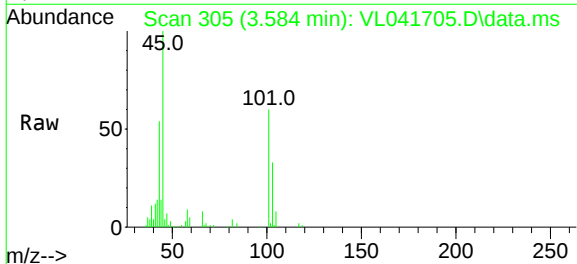
Acq: 20 Nov 2024 18:35

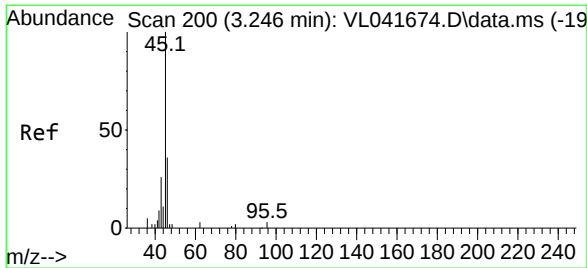
Tgt Ion:101 Resp: 35474

Ion Ratio Lower Upper

101 100

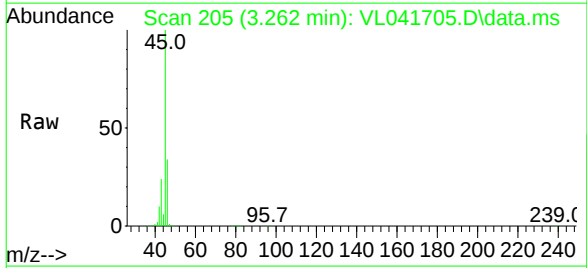
103 55.2 51.0 76.6





#13
Ethanol
Concen: 298.287 ppbv
RT: 3.262 min Scan# 205
Delta R.T. 0.016 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

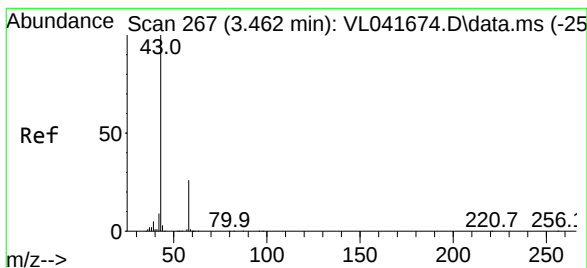
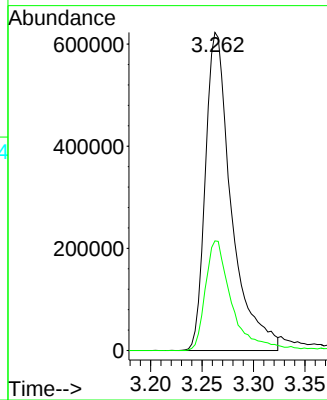
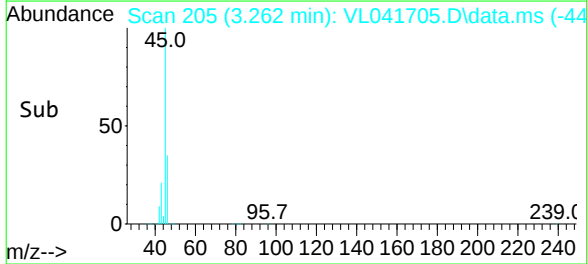
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 1094180
Ion Ratio Lower Upper
45 100
46 36.7 13.8 55.2

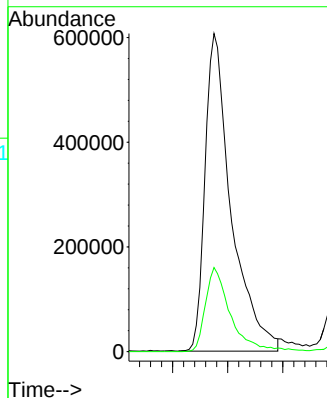
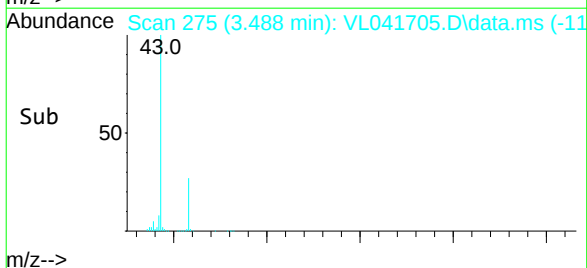
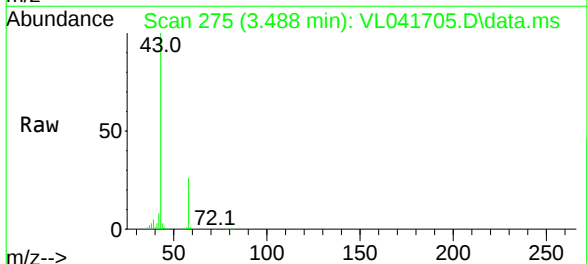
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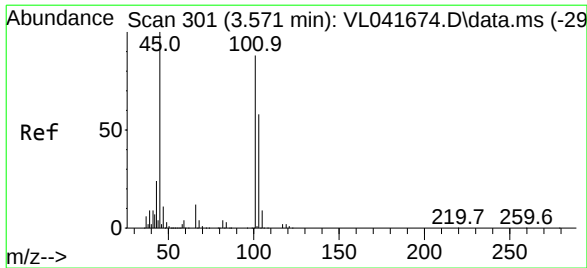
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#15
Acetone
Concen: 7.711 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.026 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

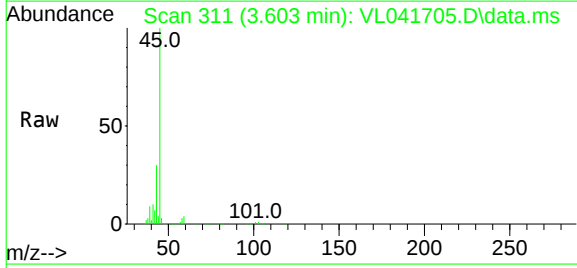
Tgt Ion: 43 Resp: 1001441
Ion Ratio Lower Upper
43 100
58 25.5 21.4 32.0





#19
Isopropyl Alcohol
Concen: 16.208 ppbv
RT: 3.603 min Scan# 311
Delta R.T. 0.032 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

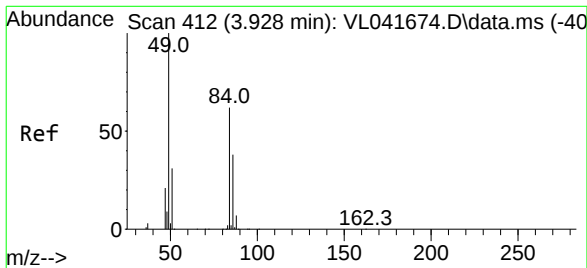
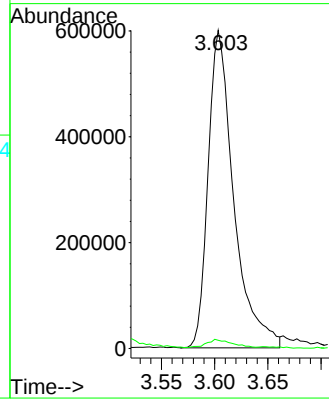
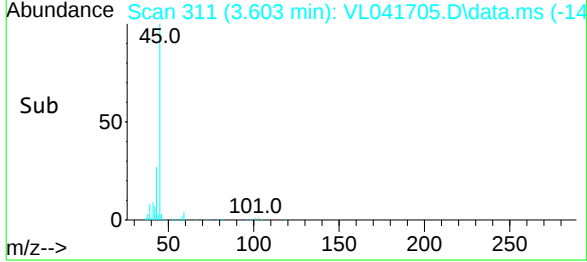
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 1006045
Ion Ratio Lower Upper
45 100
58 3.4 2.5 3.7

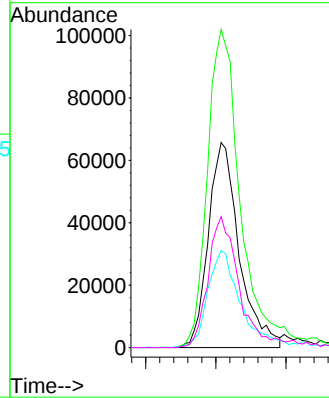
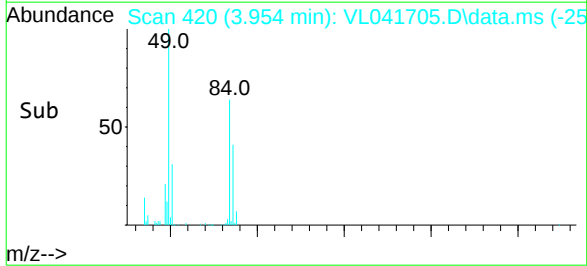
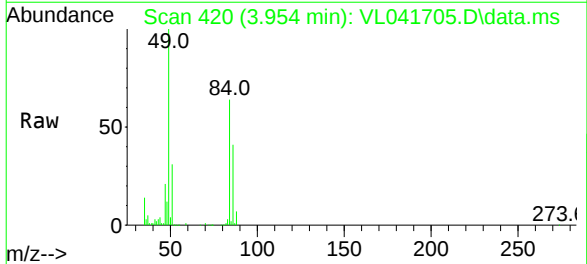
Manual Integrations
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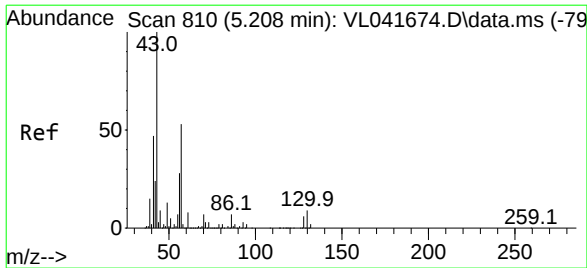
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#20
Methylene Chloride
Concen: 2.105 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.026 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

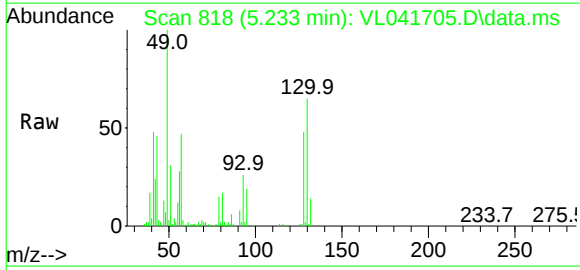
Tgt Ion: 84 Resp: 100579
Ion Ratio Lower Upper
84 100
49 154.2 129.7 194.5
51 46.9 39.8 59.6
86 63.4 49.1 73.7





#26
Hexane
Concen: 0.987 ppbv
RT: 5.233 min Scan# 810
Delta R.T. 0.026 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

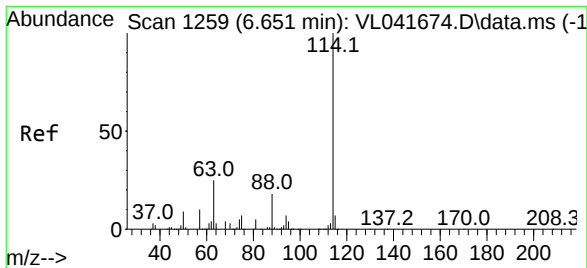
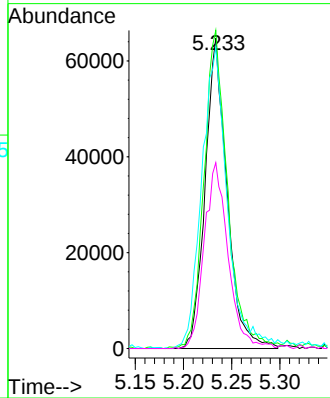
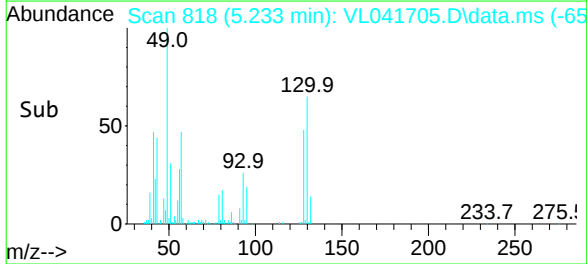
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 101886
Ion Ratio Lower Upper
57 100
41 112.8 76.1 114.1
43 116.1 207.0 310.6#
56 65.9 43.7 65.5#

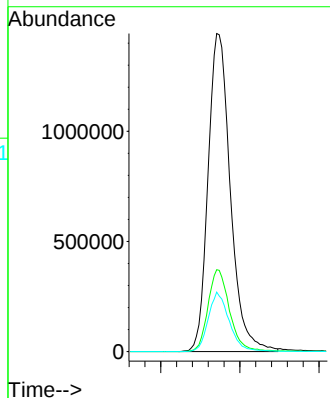
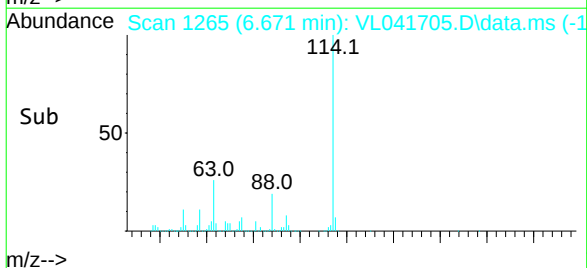
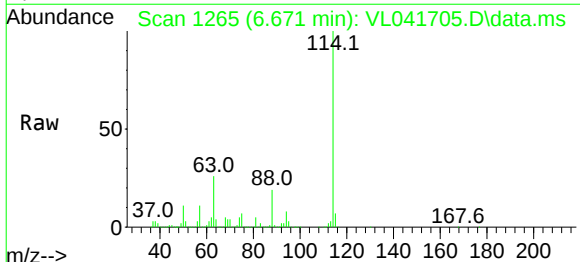
Manual Integrations
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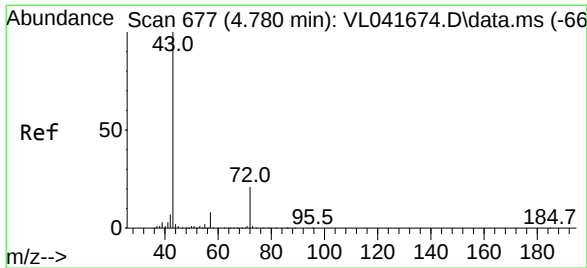
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.019 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

Tgt Ion:114 Resp: 2827390
Ion Ratio Lower Upper
114 100
63 25.3 20.3 30.5
88 17.7 14.2 21.4





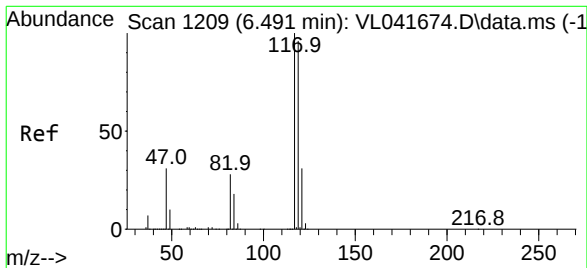
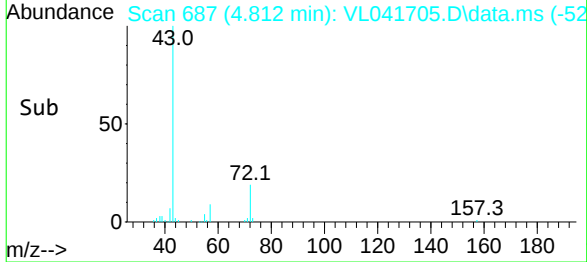
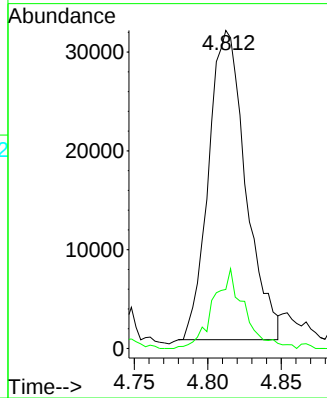
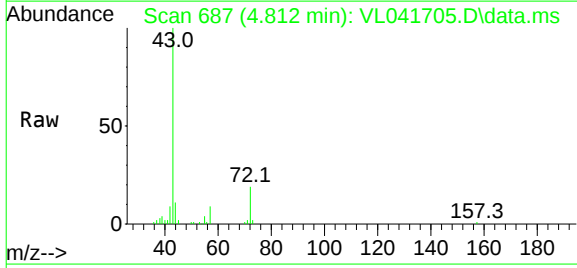
#34
2-Butanone
Concen: 0.391 ppbv
RT: 4.812 min Scan# 68
Delta R.T. 0.032 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

Instrument :
MSVOA_L
Client SampleId :
IA1

Tgt Ion: 43 Resp: 55080
Ion Ratio Lower Upper
43 100
72 21.6 17.4 26.0

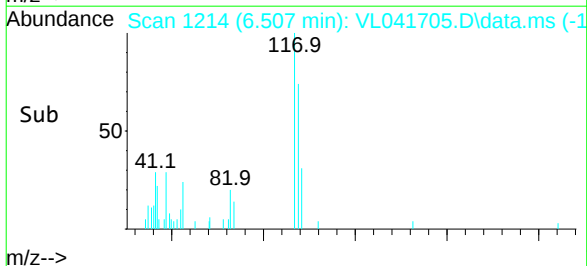
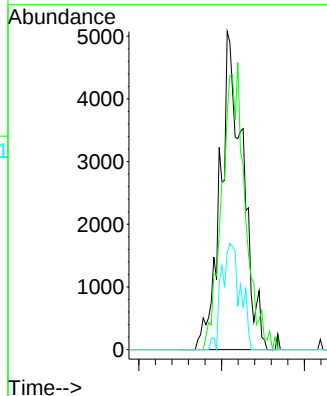
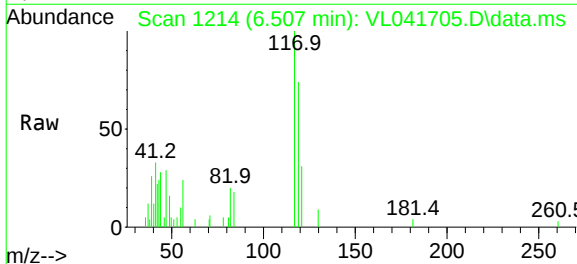
Manual Integrations
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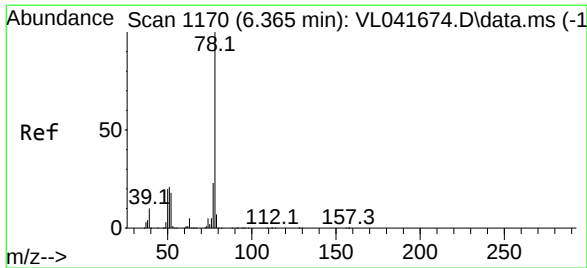
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 6.507 min Scan# 1214
Delta R.T. 0.016 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

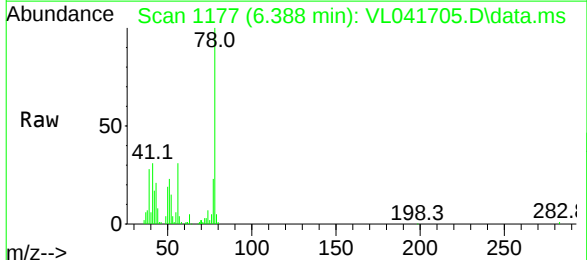
Tgt Ion:117 Resp: 9591
Ion Ratio Lower Upper
117 100
119 74.1 77.2 115.8#
121 30.5 25.0 37.4





#36
Benzene
Concen: 0.356 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.023 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

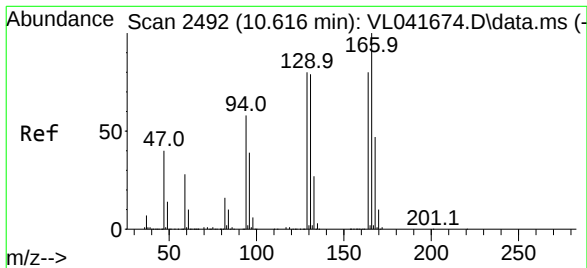
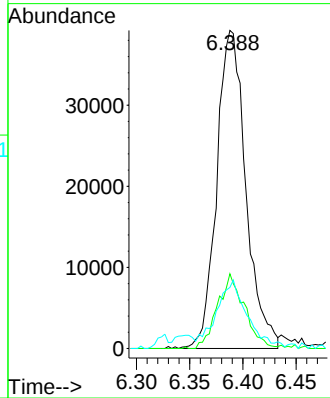
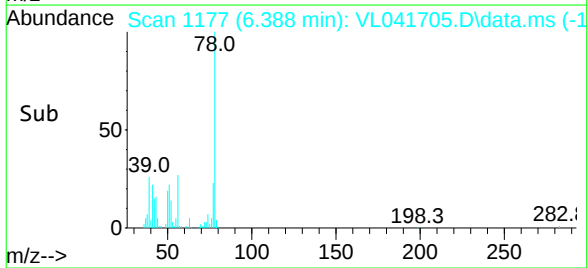
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:	78	Resp:	74505
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7
50	17.1	15.6	23.4

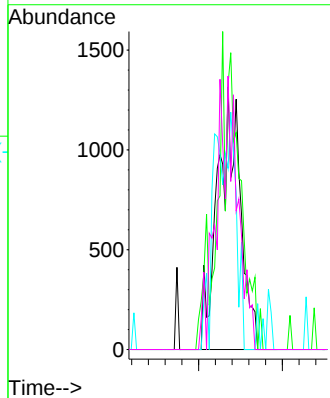
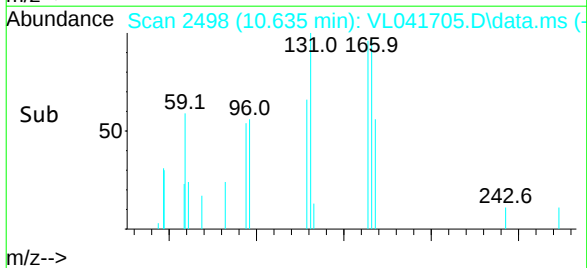
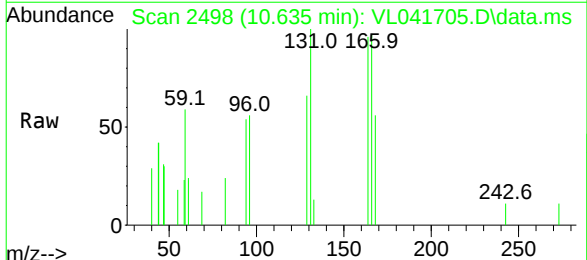
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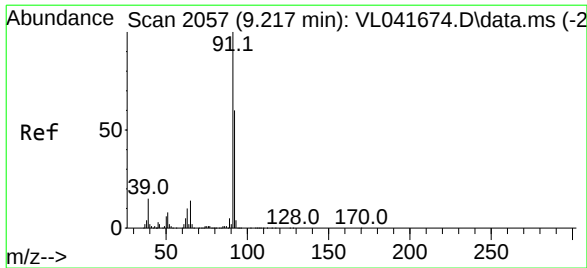
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. 0.019 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

Tgt Ion:	164	Resp:	2441
Ion	Ratio	Lower	Upper
164	100		
166	100.8	100.2	150.4
129	68.9	79.7	119.5#
131	104.1	79.0	118.4





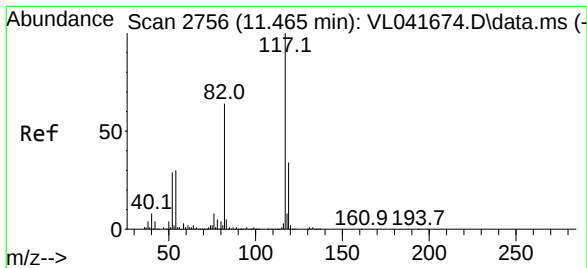
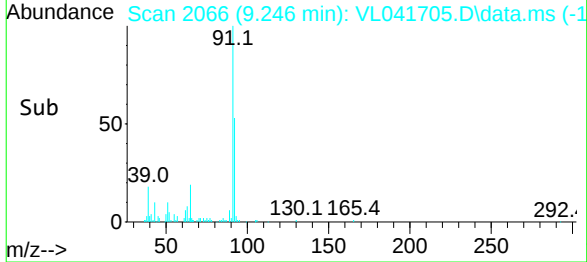
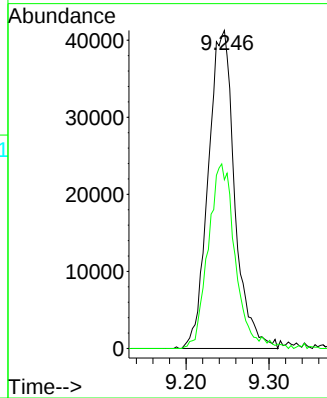
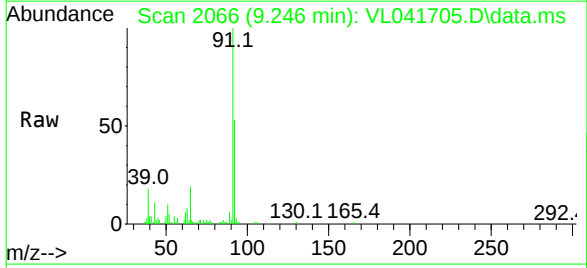
#53
Toluene
Concen: 0.414 ppbv m
RT: 9.246 min Scan# 2057
Delta R.T. 0.029 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 91303
Ion Ratio Lower Upper
91 100
92 59.6 49.0 73.4

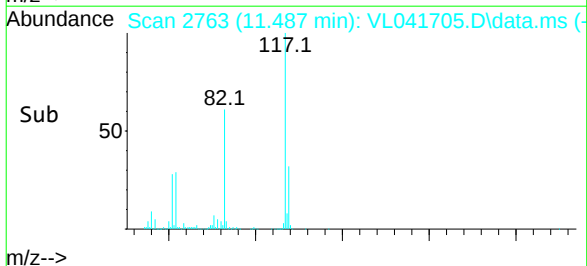
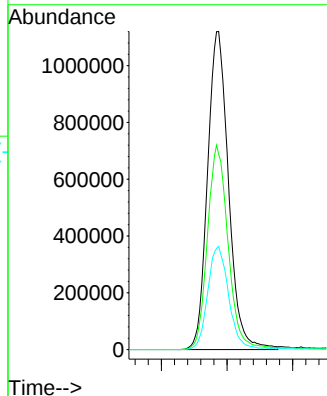
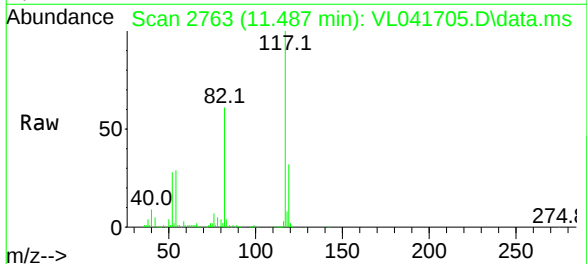
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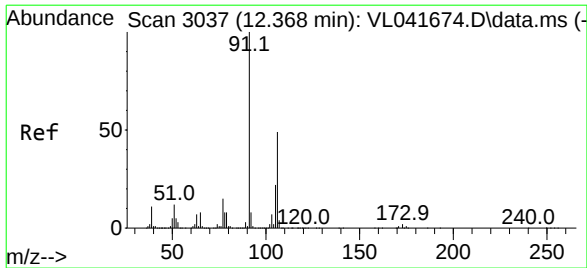
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. 0.023 min
Lab File: VL041705.D
Acq: 20 Nov 2024 18:35

Tgt Ion:117 Resp: 2487601
Ion Ratio Lower Upper
117 100
82 64.3 49.8 74.8
119 32.7 24.2 36.4





#59

m/p-Xylene

Concen: 0.151 ppbv m

RT: 12.365 min Scan# 3036

Delta R.T. -0.003 min

Lab File: VL041705.D

Acq: 20 Nov 2024 18:35

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 36988

Ion Ratio Lower Upper

91 100

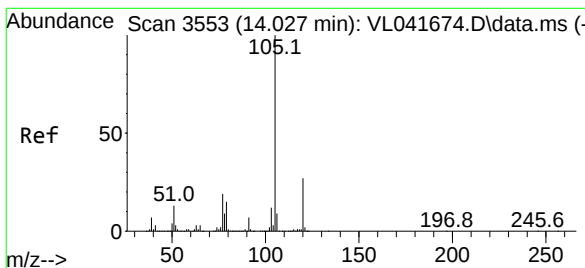
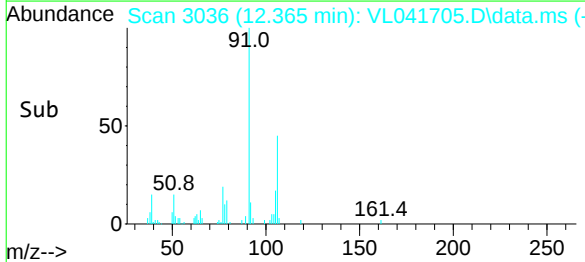
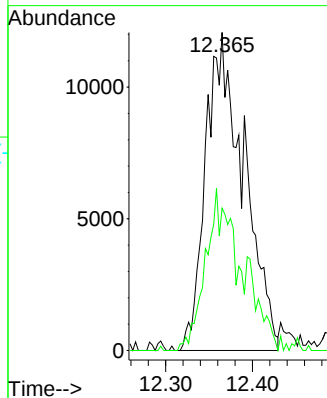
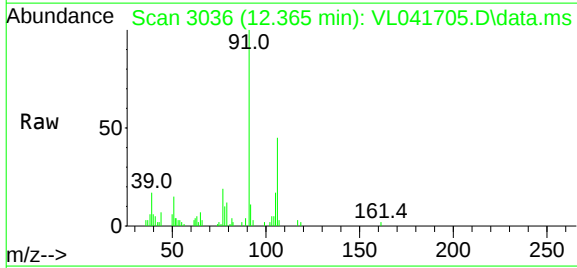
106 0.0 36.9 55.3#

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Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#62

Isopropylbenzene

Concen: 0.125 ppbv m

RT: 14.053 min Scan# 3561

Delta R.T. 0.026 min

Lab File: VL041705.D

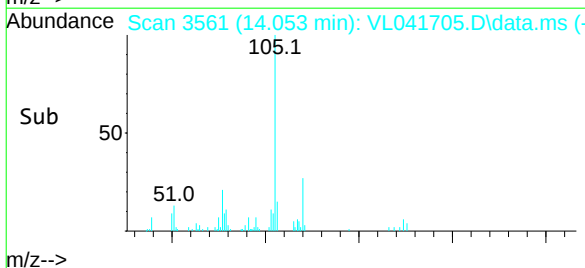
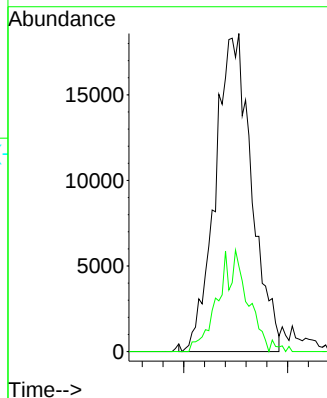
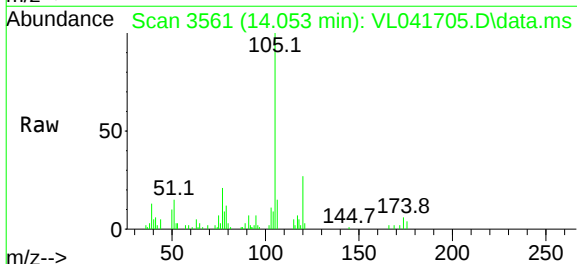
Acq: 20 Nov 2024 18:35

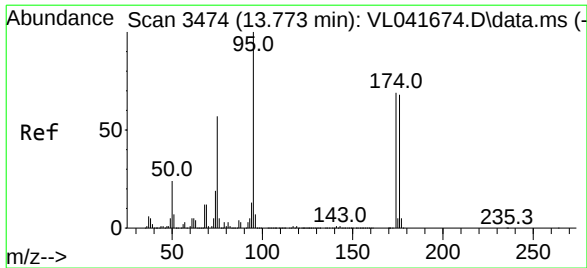
Tgt Ion:105 Resp: 45088

Ion Ratio Lower Upper

105 100

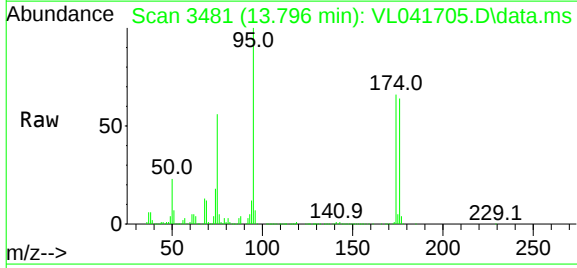
120 26.2 21.1 31.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.126 ppbv
 RT: 13.796 min Scan# 3474
 Delta R.T. 0.023 min
 Lab File: VL041705.D
 Acq: 20 Nov 2024 18:35

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 95 Resp: 1856056

Ion	Ratio	Lower	Upper
95	100		
174	69.1	55.6	83.4
175	5.1	4.2	6.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
 Supervised By :Mahesh Dadoda 11/21/2024

