

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041706.D
 Acq On : 20 Nov 2024 19:15
 Operator : SY/MD
 Sample : P4911-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

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

Quant Time: Nov 21 05:14:42 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	5.214	49	985172	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.674	114	2701411	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.487	117	2316943	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 1672611 9.798 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	136866	0.769	ppbv	100
3) Chlorodifluoromethane	2.697	51	39351m	0.307	ppbv	
4) Chloromethane	2.835	50	33829	0.498	ppbv	96
9) Propene	2.729	41	100978m	1.805	ppbv	
11) Trichlorofluoromethane	3.587	101	36382	0.235	ppbv	99
13) Ethanol	3.269	45	1051782	307.113	ppbv	99
15) Acetone	3.491	43	994871	8.205	ppbv	98
19) Isopropyl Alcohol	3.610	45	952581	16.437	ppbv	99
20) Methylene Chloride	3.954	84	100856	2.261	ppbv	94
26) Hexane	5.237	57	105301	1.092	ppbv #	44
34) 2-Butanone	4.816	43	56708	0.422	ppbv	99
35) Carbon Tetrachloride	6.516	117	9153m	0.064	ppbv	
36) Benzene	6.388	78	75939	0.379	ppbv	95
52) Tetrachloroethene	10.635	164	2084m	0.031	ppbv	
53) Toluene	9.243	91	91299	0.434	ppbv	98
59) m/p-Xylene	12.359	91	38451m	0.169	ppbv	
62) Isopropylbenzene	14.053	105	41738m	0.125	ppbv	

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

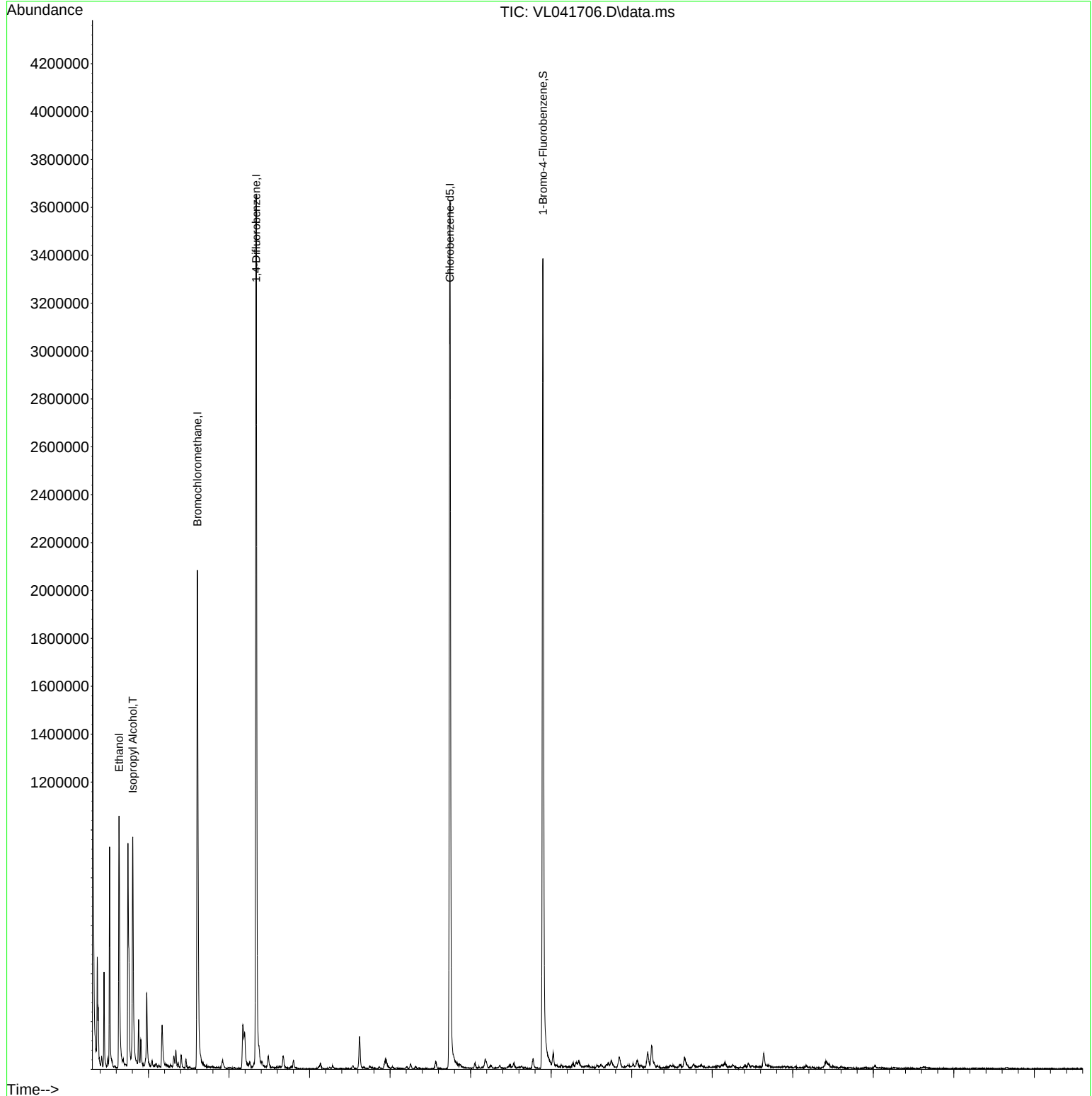
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
Data File : VL041706.D
Acq On : 20 Nov 2024 19:15
Operator : SY/MD
Sample : P4911-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

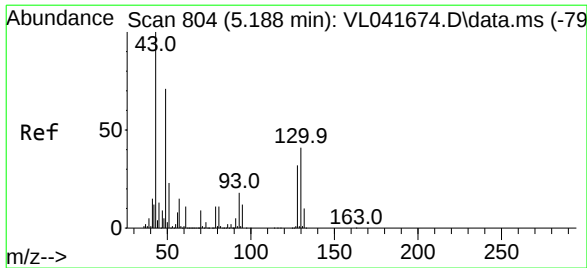
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Nov 21 05:14:42 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

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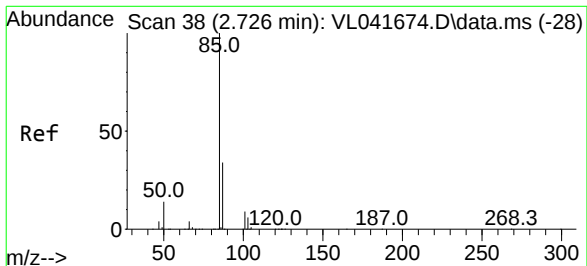
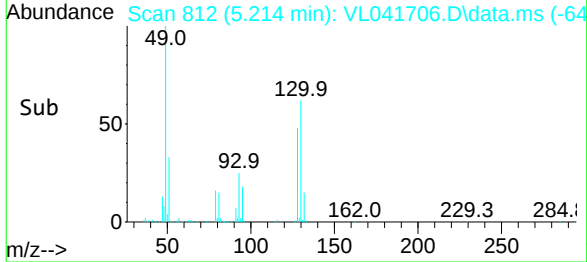
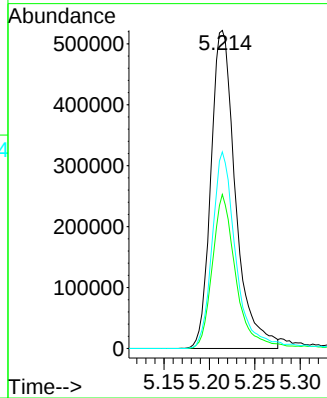
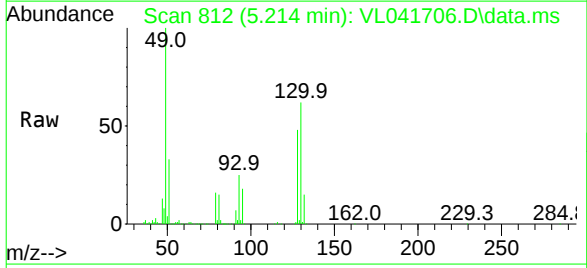
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.026 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 49 Resp: 985172
Ion Ratio Lower Upper
49 100
128 46.9 23.8 71.2
130 60.5 30.1 90.5

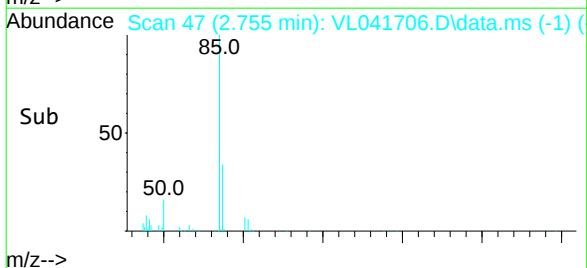
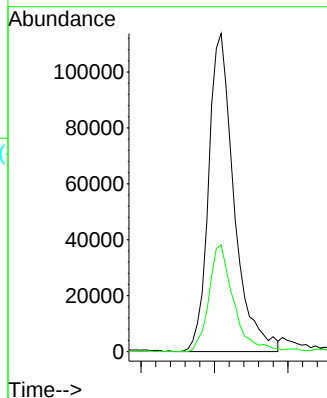
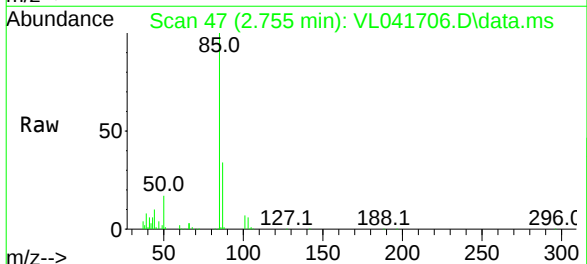
Manual Integrations
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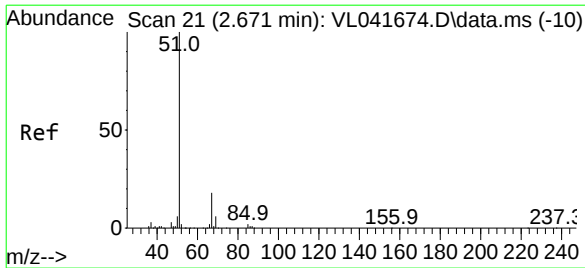
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#2
Dichlorodifluoromethane
Concen: 0.769 ppbv
RT: 2.755 min Scan# 47
Delta R.T. 0.029 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

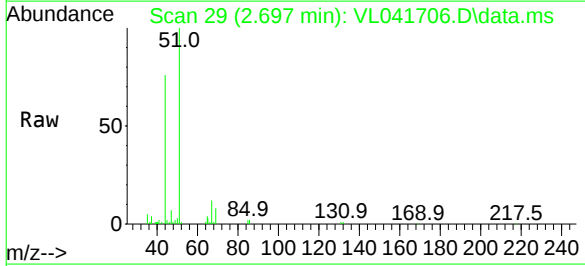
Tgt Ion: 85 Resp: 136866
Ion Ratio Lower Upper
85 100
87 33.6 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.307 ppbv m
RT: 2.697 min Scan# 29
Delta R.T. 0.026 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

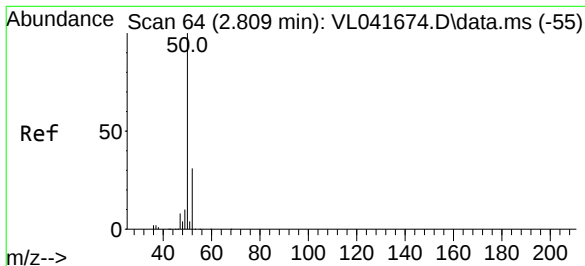
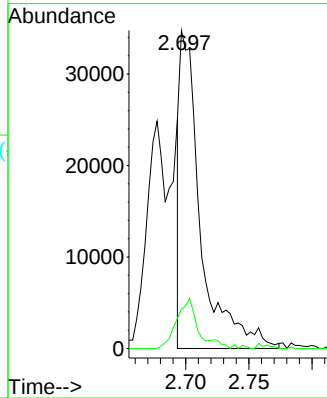
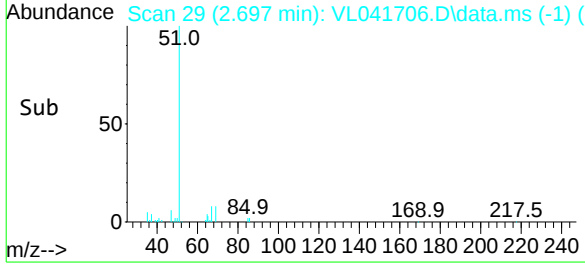
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



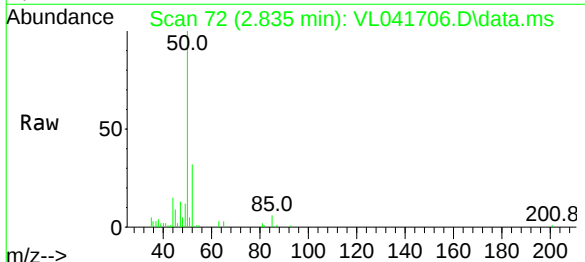
Tgt Ion: 51 Resp: 39351
Ion Ratio Lower Upper
51 100
67 16.8 13.9 20.9

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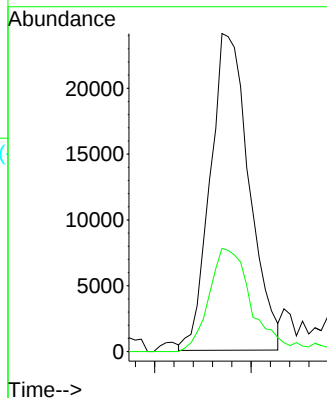
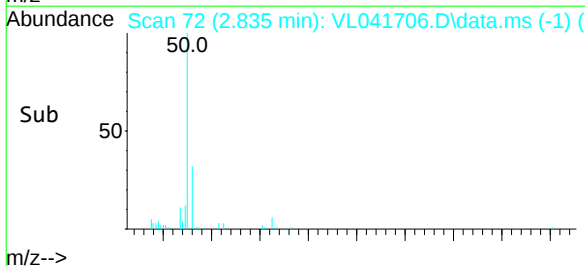
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

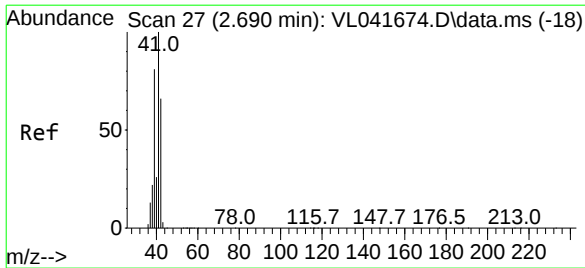


#4
Chloromethane
Concen: 0.498 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.026 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15



Tgt Ion: 50 Resp: 33829
Ion Ratio Lower Upper
50 100
52 33.5 24.9 37.3





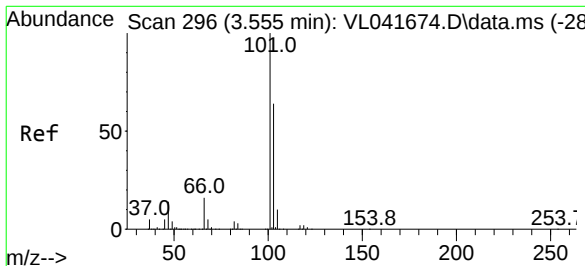
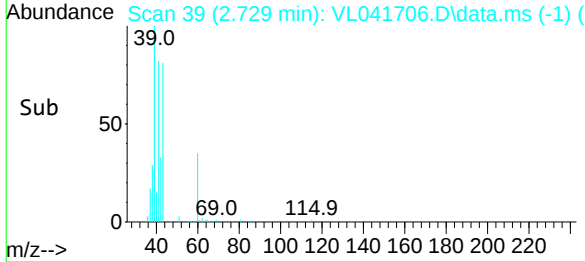
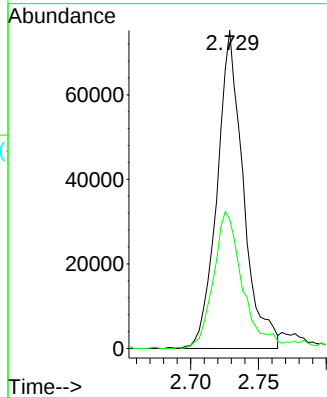
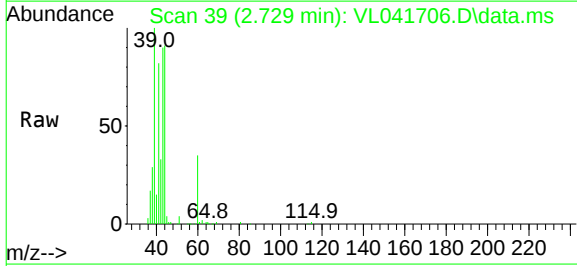
#9
Propene
Concen: 1.805 ppbv m
RT: 2.729 min Scan# 39
Delta R.T. 0.039 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 41 Resp: 100978
Ion Ratio Lower Upper
41 100
42 68.1 55.0 82.4

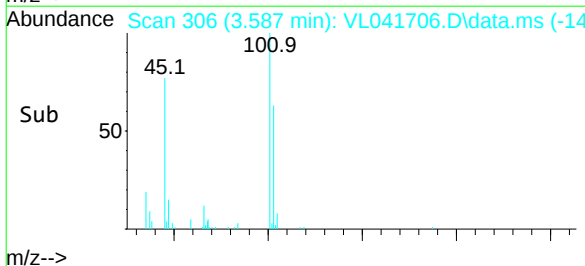
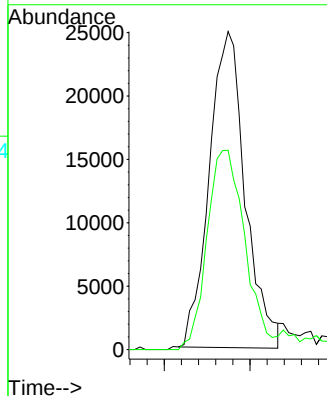
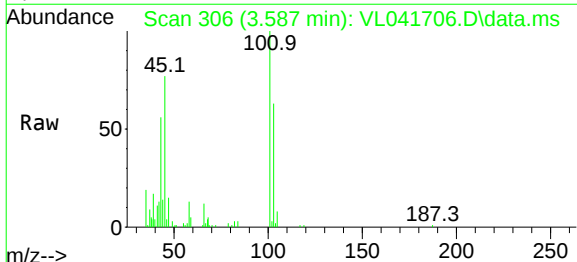
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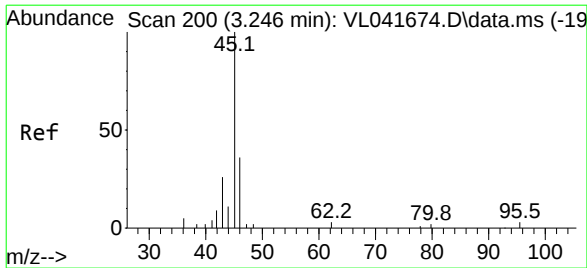
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#11
Trichlorofluoromethane
Concen: 0.235 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.032 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Tgt Ion:101 Resp: 36382
Ion Ratio Lower Upper
101 100
103 63.2 51.0 76.6





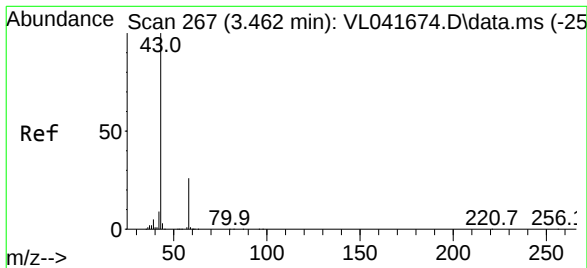
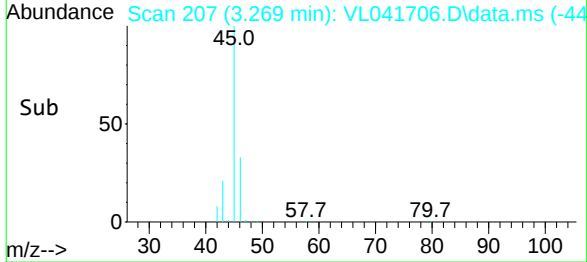
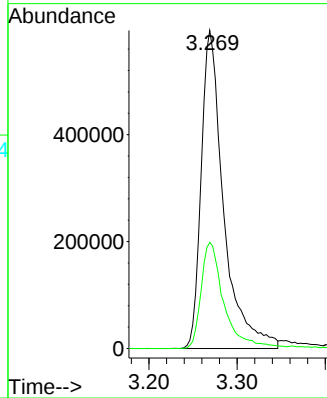
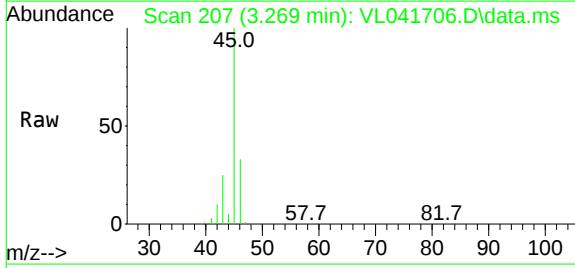
#13
Ethanol
Concen: 307.113 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.023 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 45 Resp: 1051782
Ion Ratio Lower Upper
45 100
46 35.0 13.8 55.2

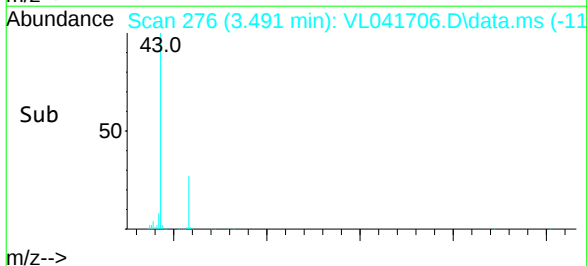
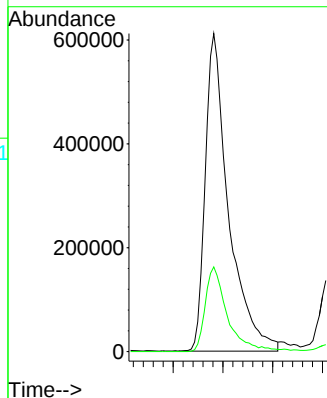
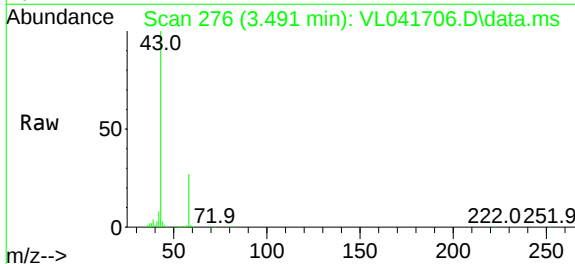
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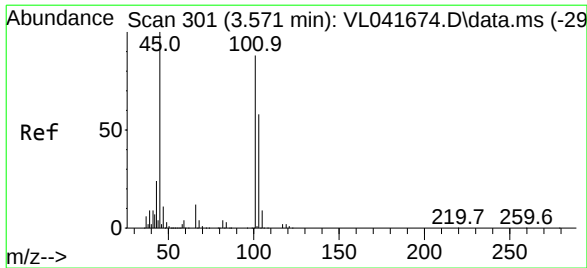
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#15
Acetone
Concen: 8.205 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.029 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Tgt Ion: 43 Resp: 994871
Ion Ratio Lower Upper
43 100
58 25.6 21.4 32.0





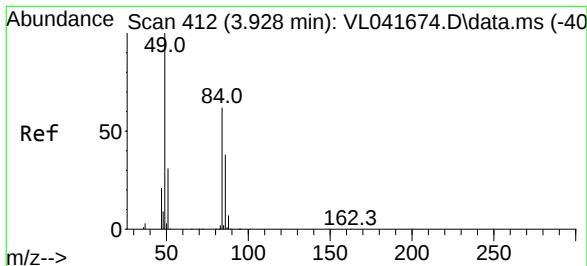
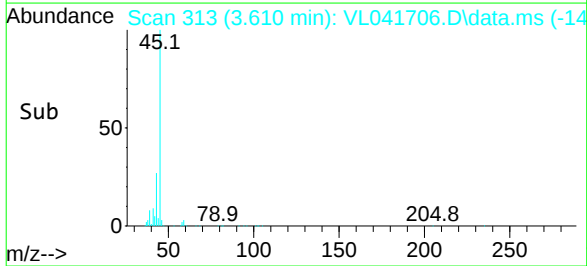
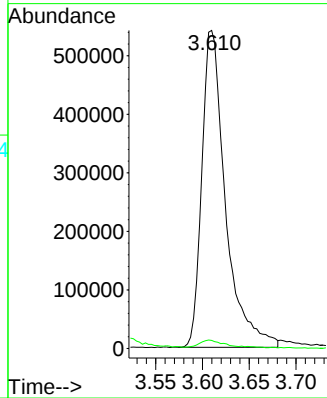
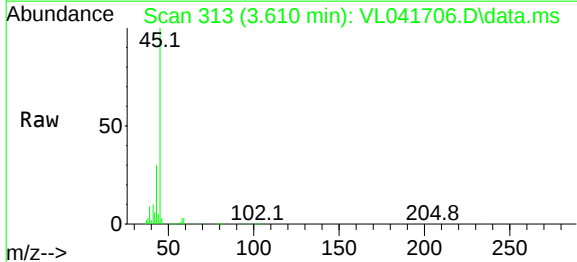
#19
Isopropyl Alcohol
Concen: 16.437 ppbv
RT: 3.610 min Scan# 311
Delta R.T. 0.039 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 45 Resp: 952581
Ion Ratio Lower Upper
45 100
58 3.5 2.5 3.7

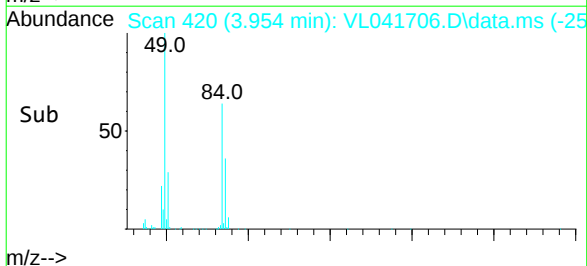
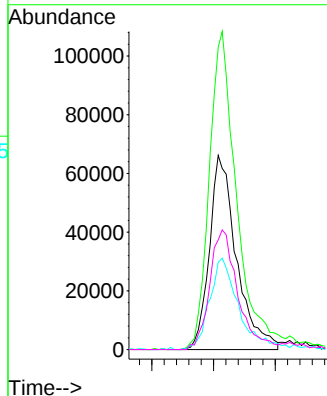
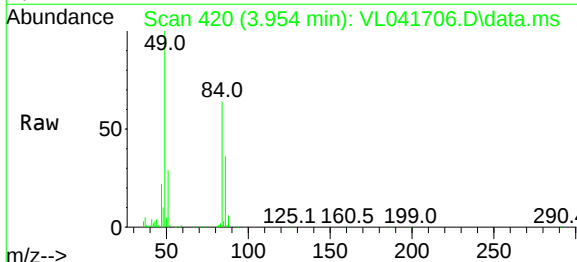
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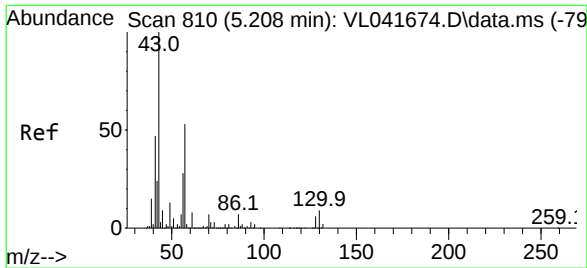
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#20
Methylene Chloride
Concen: 2.261 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.026 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Tgt Ion: 84 Resp: 100856
Ion Ratio Lower Upper
84 100
49 155.7 129.7 194.5
51 45.0 39.8 59.6
86 56.5 49.1 73.7





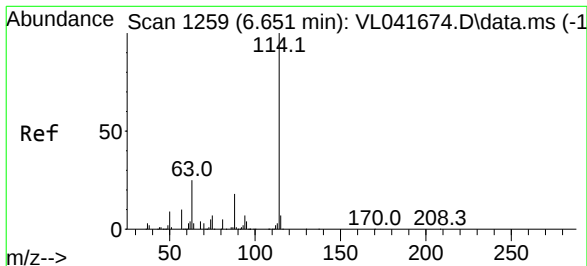
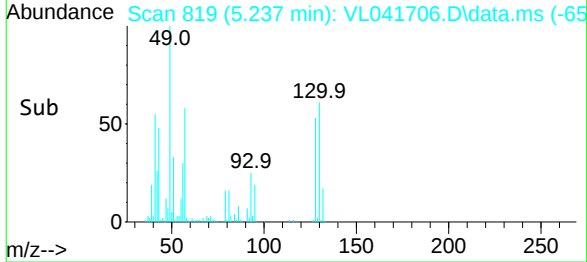
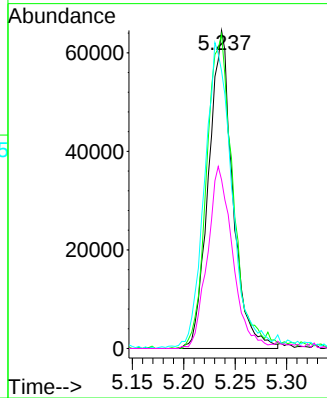
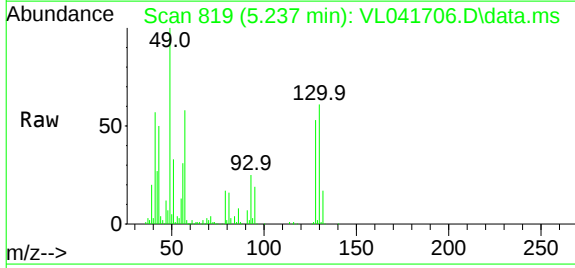
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Hexane
Concen: 1.092 ppbv
RT: 5.237 min Scan# 81
Delta R.T. 0.029 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 57 Resp: 105301
Ion Ratio Lower Upper
57 100
41 109.9 76.1 114.1
43 113.9 207.0 310.6#
56 61.6 43.7 65.5

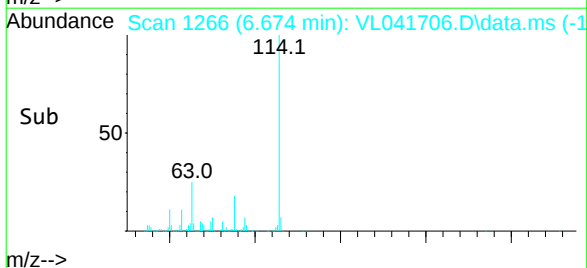
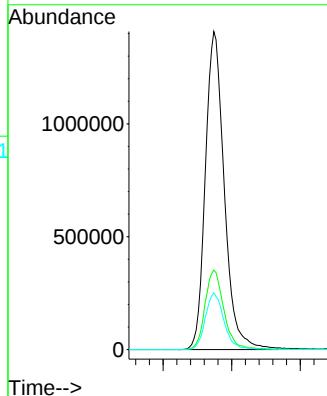
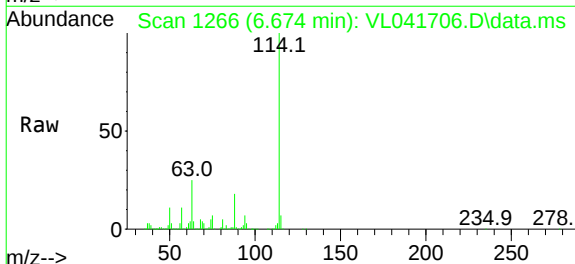
Manual Integrations
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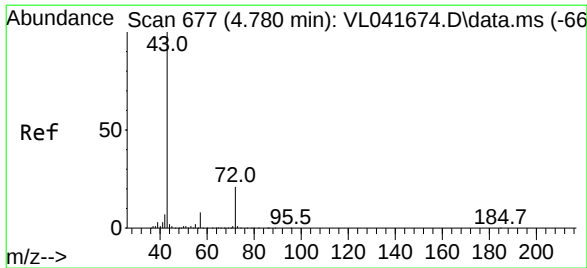
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.023 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Tgt Ion:114 Resp: 2701411
Ion Ratio Lower Upper
114 100
63 25.2 20.3 30.5
88 17.7 14.2 21.4





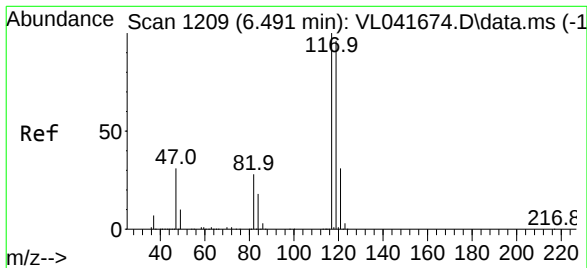
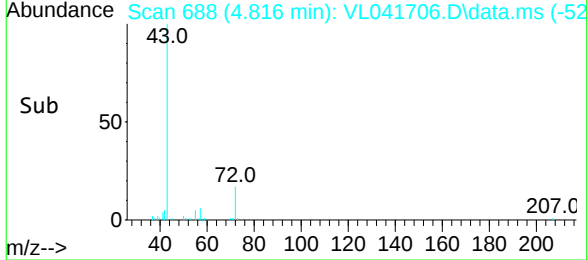
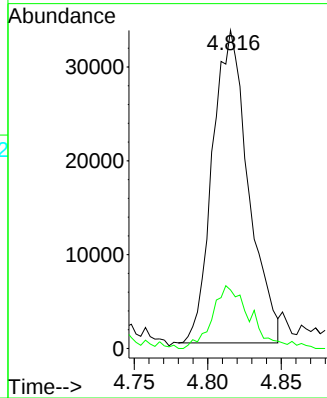
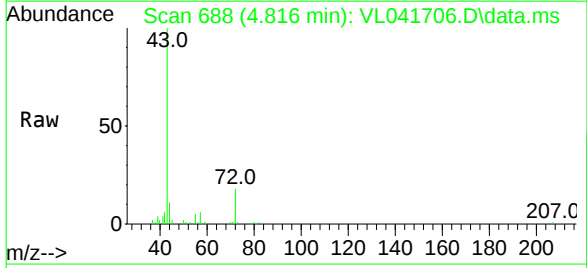
#34
2-Butanone
Concen: 0.422 ppbv
RT: 4.816 min Scan# 68
Delta R.T. 0.035 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 56708
Ion Ratio Lower Upper
43 100
72 21.9 17.4 26.0

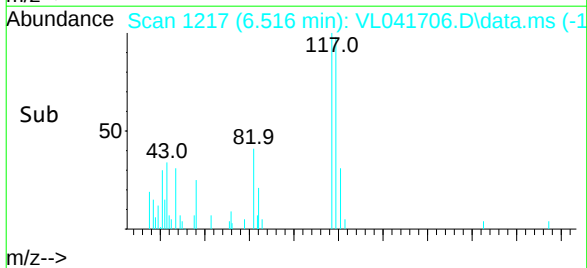
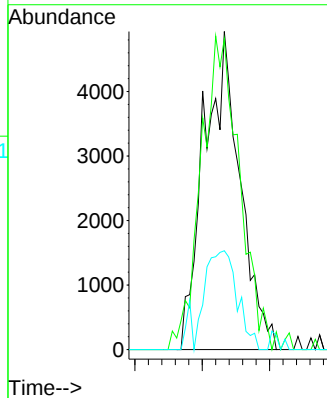
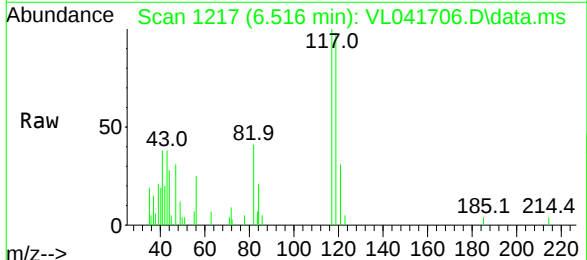
Manual Integrations
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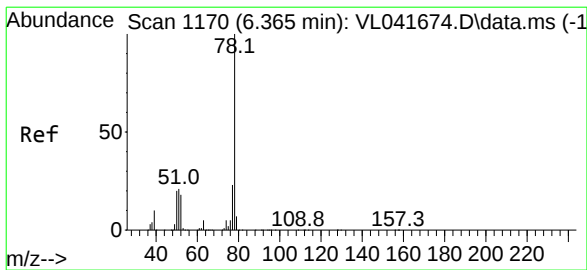
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 6.516 min Scan# 1217
Delta R.T. 0.026 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Tgt Ion:117 Resp: 9153
Ion Ratio Lower Upper
117 100
119 97.8 77.2 115.8
121 31.1 25.0 37.4





#36

Benzene

Concen: 0.379 ppbv

RT: 6.388 min Scan# 11

Delta R.T. 0.023 min

Lab File: VL041706.D

Acq: 20 Nov 2024 19:15

Instrument :

MSVOA_L

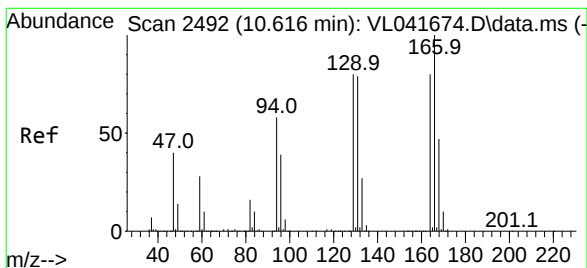
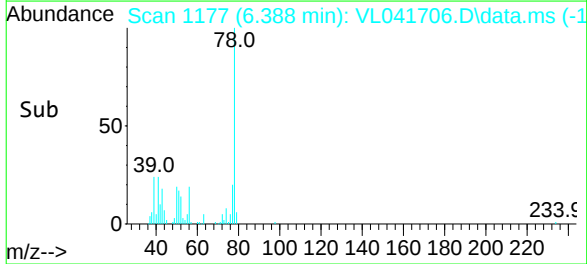
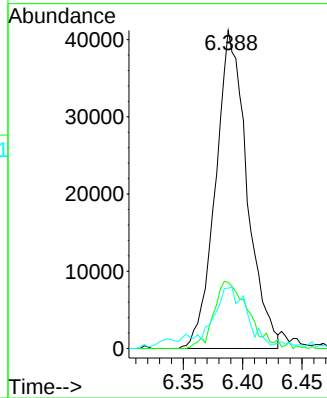
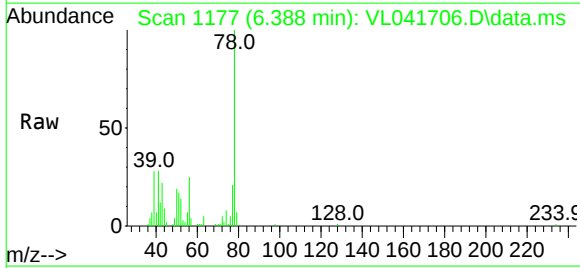
ClientSampleId :

IA1DUP

Tgt Ion:	78	Resp:	75939
Ion	Ratio	Lower	Upper
78	100		
77	20.7	18.5	27.7
50	17.2	15.6	23.4

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



#52

Tetrachloroethene

Concen: 0.031 ppbv m

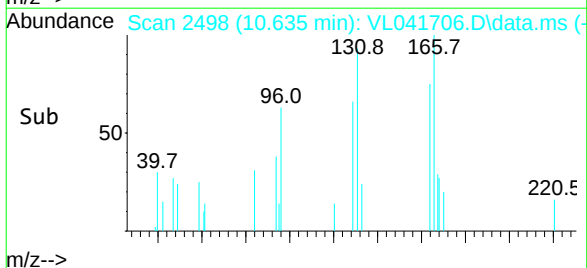
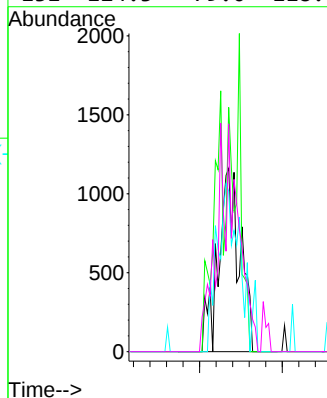
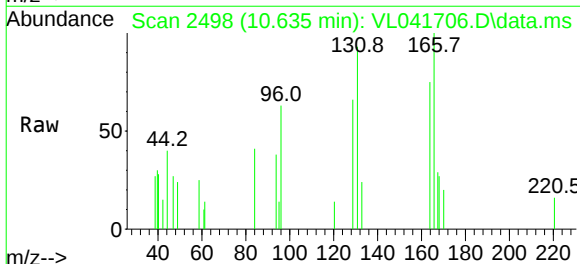
RT: 10.635 min Scan# 2498

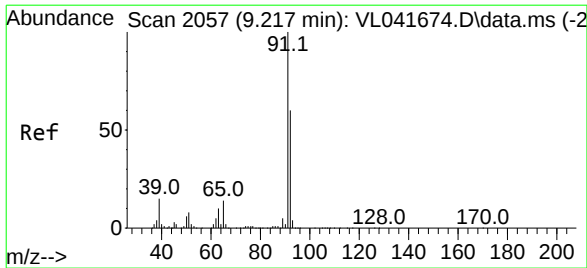
Delta R.T. 0.019 min

Lab File: VL041706.D

Acq: 20 Nov 2024 19:15

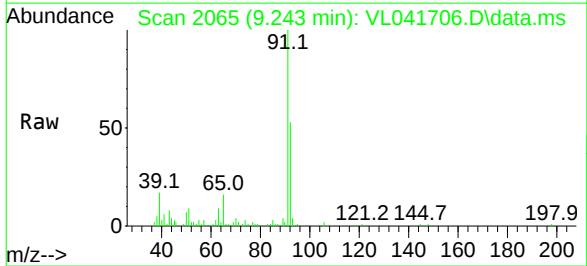
Tgt Ion:	164	Resp:	2084
Ion	Ratio	Lower	Upper
164	100		
166	133.2	100.2	150.4
129	87.5	79.7	119.5
131	124.3	79.0	118.4





#53
Toluene
Concen: 0.434 ppbv
RT: 9.243 min Scan# 2057
Delta R.T. 0.026 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

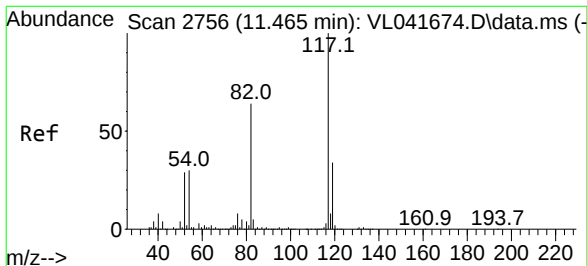
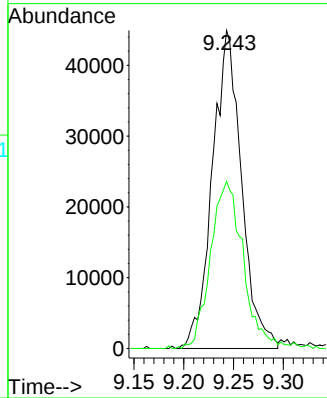
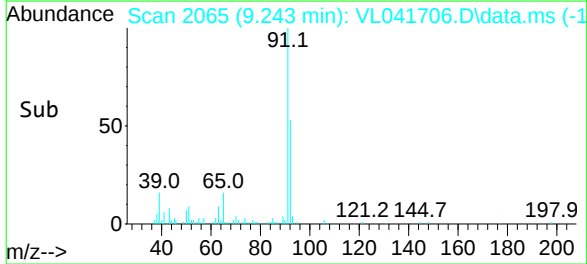
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



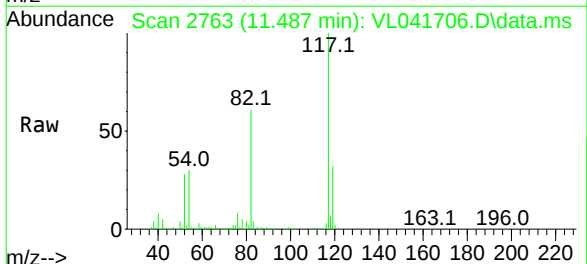
Tgt Ion: 91 Resp: 91299
Ion Ratio Lower Upper
91 100
92 59.4 49.0 73.4

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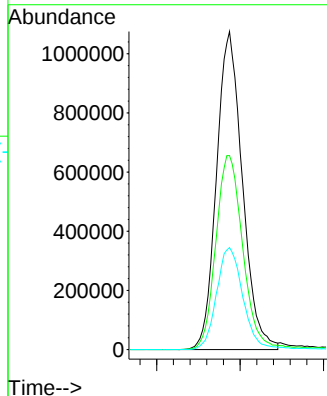
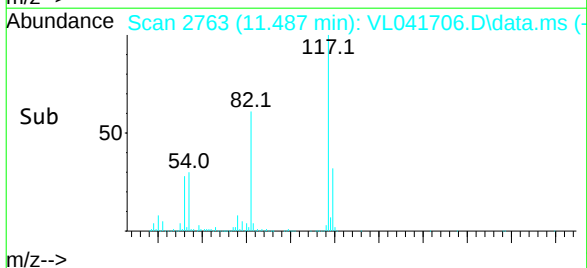
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

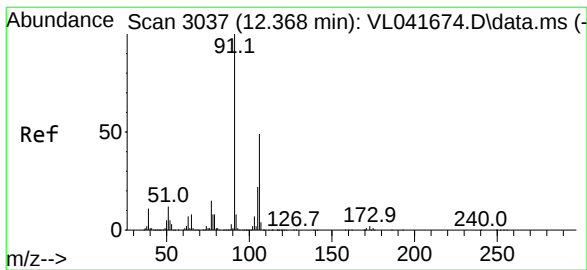


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. 0.023 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15



Tgt Ion:117 Resp: 2316943
Ion Ratio Lower Upper
117 100
82 65.0 49.8 74.8
119 33.3 24.2 36.4





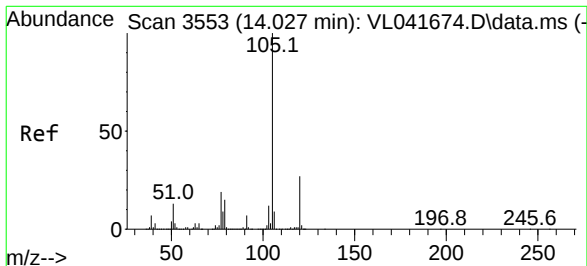
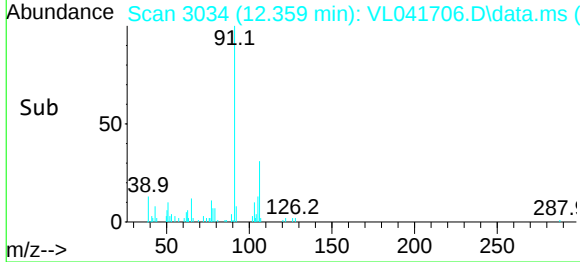
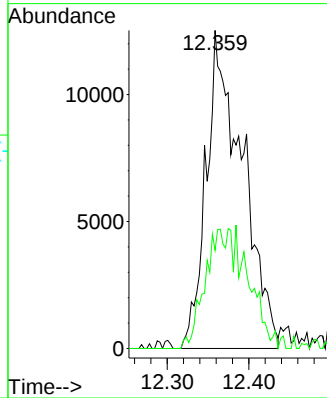
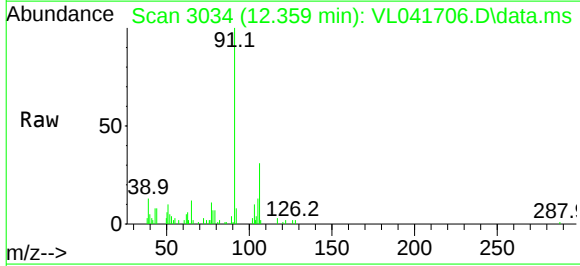
#59
m/p-Xylene
Concen: 0.169 ppbv m
RT: 12.359 min Scan# 3037
Delta R.T. -0.010 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 38451
Ion Ratio Lower Upper
91 100
106 0.0 36.9 55.3#

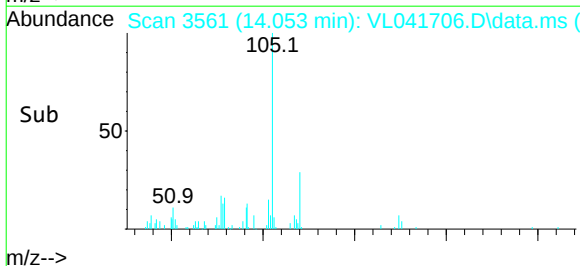
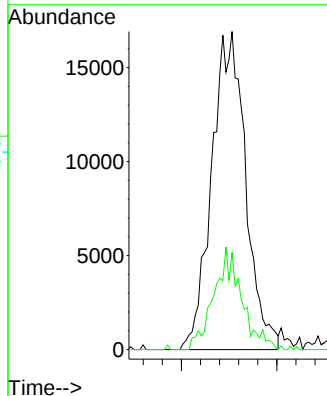
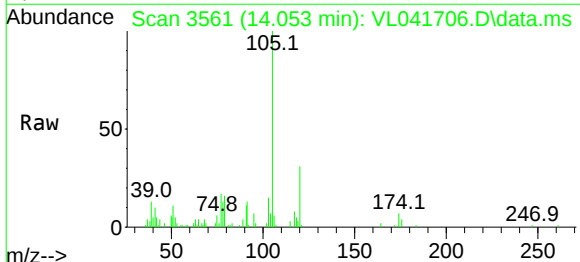
Manual Integrations
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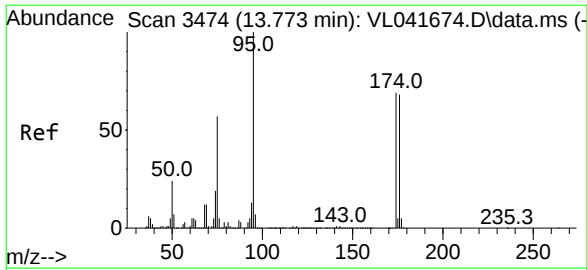
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#62
Isopropylbenzene
Concen: 0.125 ppbv m
RT: 14.053 min Scan# 3561
Delta R.T. 0.026 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

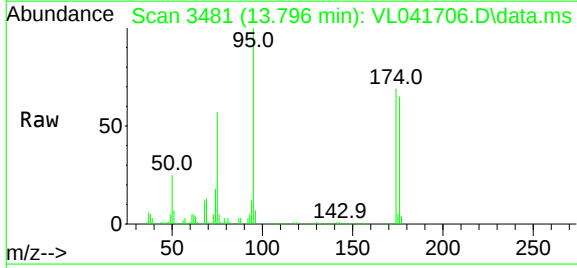
Tgt Ion:105 Resp: 41738
Ion Ratio Lower Upper
105 100
120 0.0 21.1 31.7#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.798 ppbv
RT: 13.796 min Scan# 3474
Delta R.T. 0.023 min
Lab File: VL041706.D
Acq: 20 Nov 2024 19:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 95 Resp: 1672611
Ion Ratio Lower Upper
95 100
174 69.8 55.6 83.4
175 5.0 4.2 6.2

Manual Integrations
APPROVED

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

