

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041811.D
 Acq On : 19 Dec 2024 00:44
 Operator : SY/MD
 Sample : P5294-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/23/2024

Quant Time: Dec 19 08:02:26 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	2.793	49	77490	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	186355	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	163591	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	137750	10.105	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	5098	0.370	ppbv	91
3) Chlorodifluoromethane	1.476	51	3679m	0.291	ppbv	
4) Chloromethane	1.534	50	3262	0.605	ppbv #	79
9) Propene	1.489	41	19667m	3.591	ppbv	
11) Trichlorofluoromethane	1.881	101	2991	0.204	ppbv	99
13) Ethanol	1.722	45	711075	1567.837	ppbv	95
15) Acetone	1.839	43	119725	7.941	ppbv #	87
17) tert-Butyl alcohol	2.046	59	4030	0.269	ppbv #	1
19) Isopropyl Alcohol	1.890	45	46673	5.159	ppbv #	38
20) Methylene Chloride	2.065	84	1430	0.333	ppbv	92
26) Hexane	2.832	57	3902	0.367	ppbv #	63
29) Chloroform	2.855	83	3971	0.245	ppbv	91
34) 2-Butanone	2.564	43	14105	0.941	ppbv	96
35) Carbon Tetrachloride	3.768	117	884m	0.067	ppbv	
36) Benzene	3.664	78	7992	0.415	ppbv	98
44) 2,2,4-Trimethylpentane	4.655	57	9590m	0.291	ppbv	
53) Toluene	6.949	91	16221	0.742	ppbv	99
58) Ethyl Benzene	9.361	91	3309	0.112	ppbv	90
59) m/p-Xylene	9.542	91	8941m	0.378	ppbv	
60) o-Xylene	9.972	91	3319m	0.140	ppbv	
74) 1,2,4-Trimethylbenzene	11.542	105	3276	0.131	ppbv #	50

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

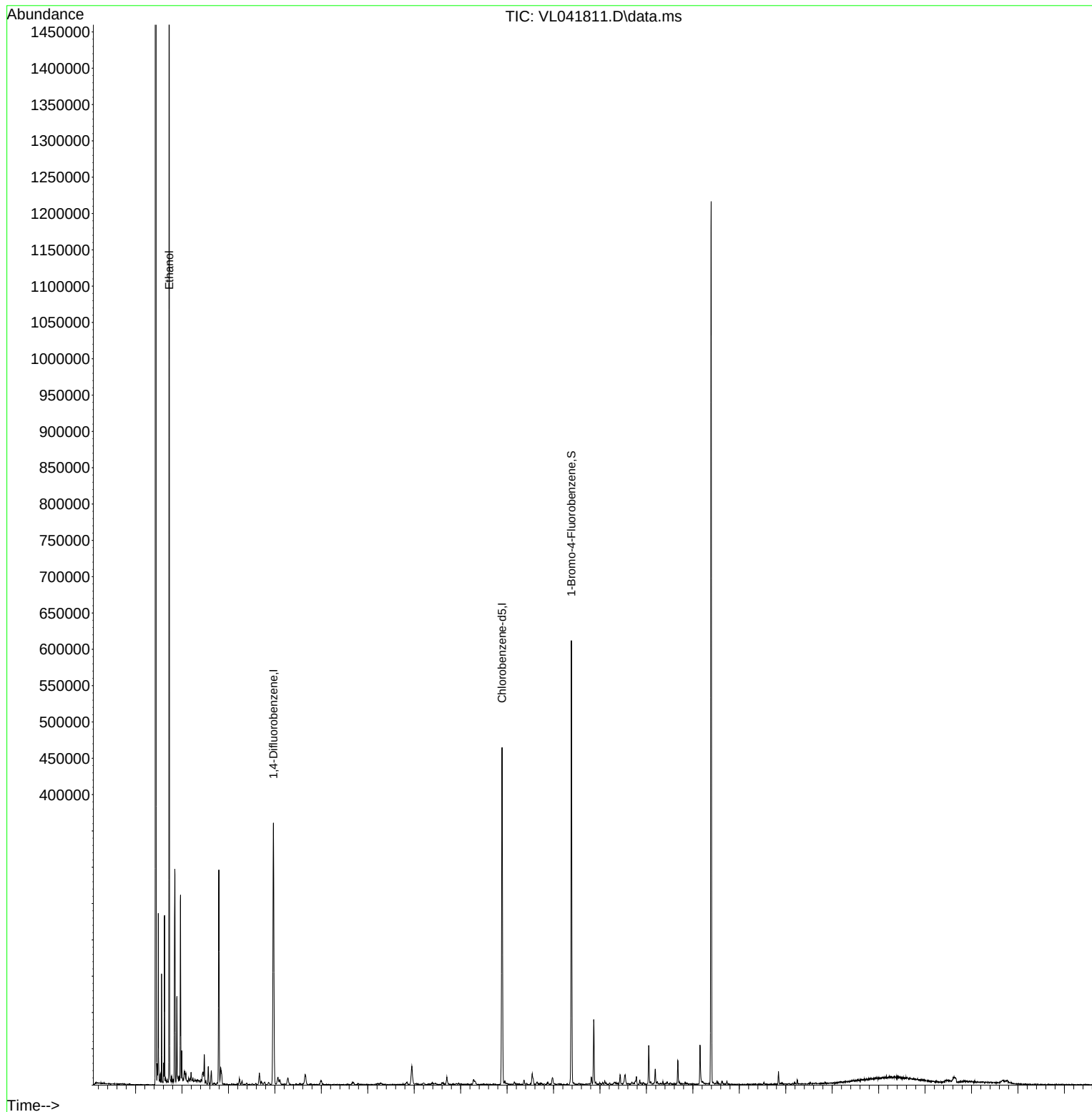
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041811.D
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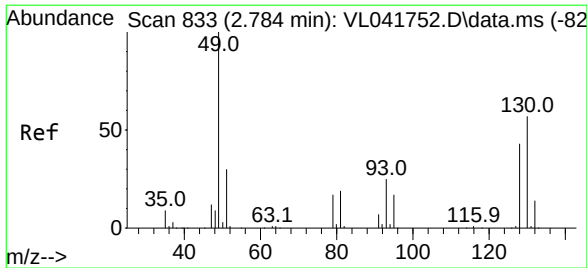
Instrument :
MSVOA_L
ClientSampleId :
C0AB8

Quant Time: Dec 19 08:02:26 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

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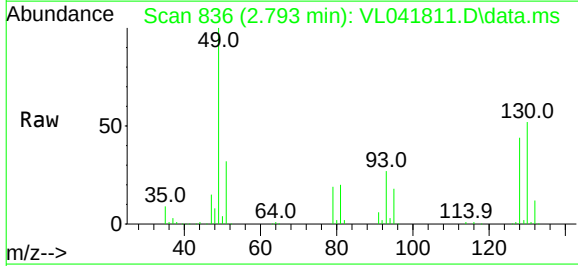
Reviewed By : Semsettin Yesilyurt 12/23/2024
Supervised By : Mahesh Dadoda 12/23/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 833
Delta R.T. 0.009 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

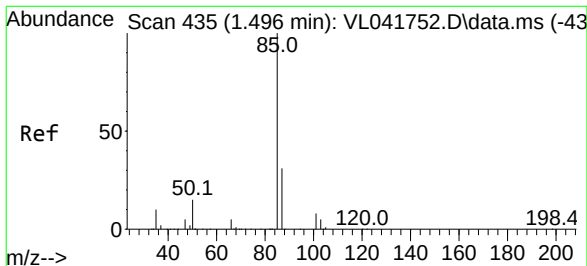
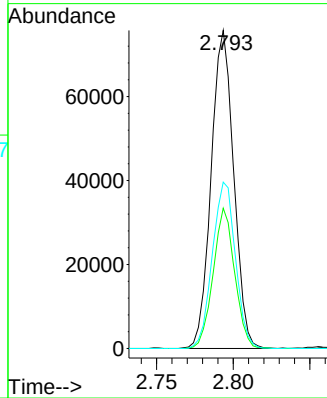
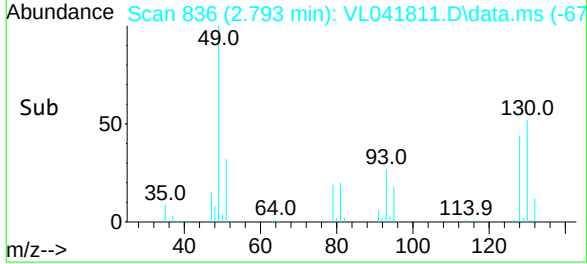
Instrument :
MSVOA_L
ClientSampleId :
C0AB8



Tgt Ion: 49 Resp: 77490
Ion Ratio Lower Upper
49 100
128 42.1 21.6 64.6
130 53.5 28.3 85.0

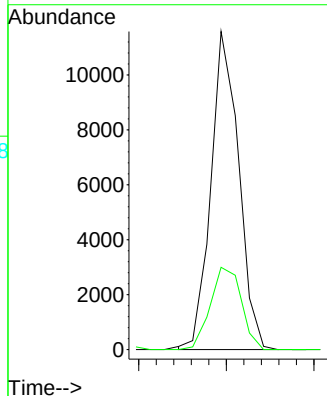
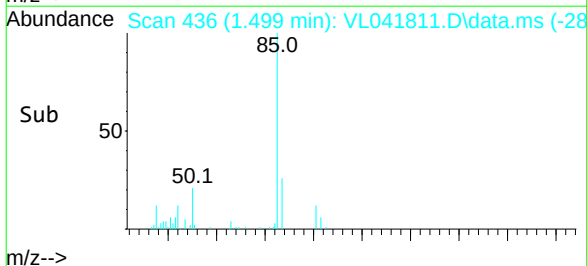
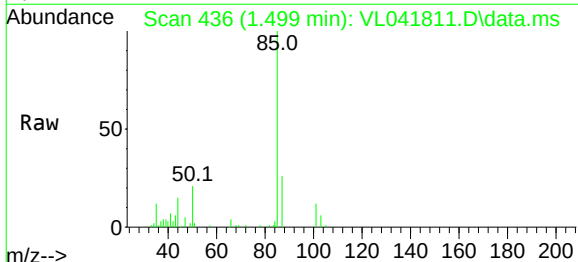
Manual Integrations
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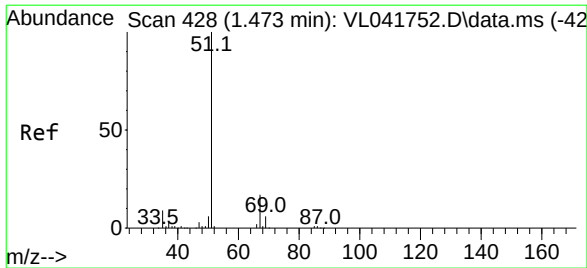
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#2
Dichlorodifluoromethane
Concen: 0.370 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

Tgt Ion: 85 Resp: 5098
Ion Ratio Lower Upper
85 100
87 25.9 24.5 36.7





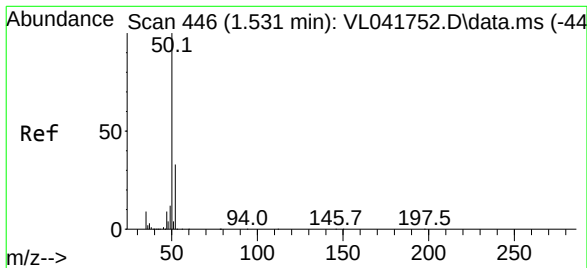
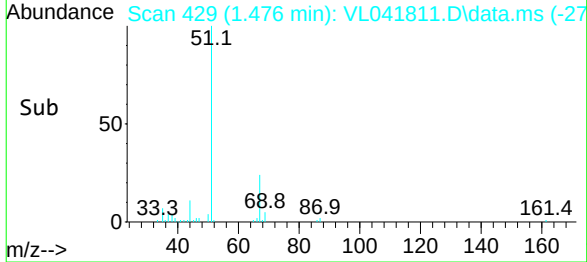
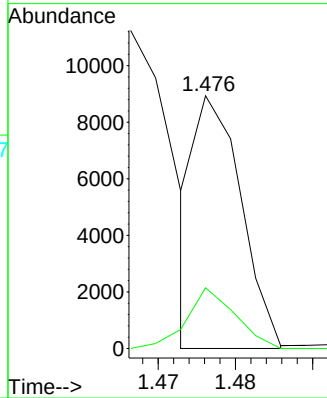
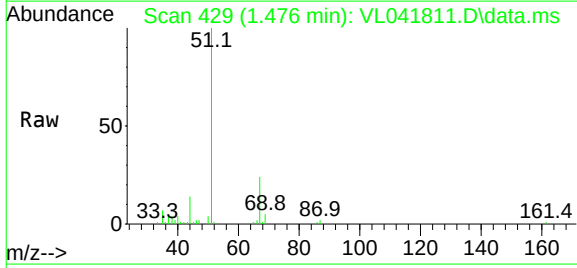
#3
Chlorodifluoromethane
Concen: 0.291 ppbv m
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

Instrument :
MSVOA_L
ClientSampleId :
C0AB8

Tgt Ion: 51 Resp: 3679
Ion Ratio Lower Upper
51 100
67 25.5 15.0 22.4#

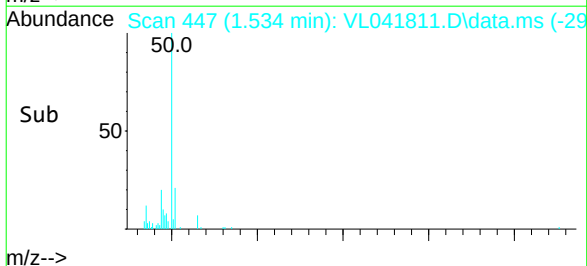
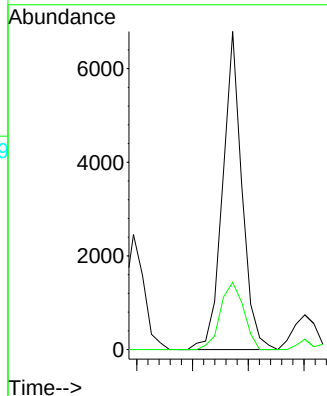
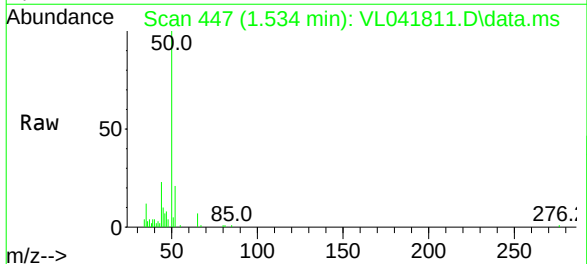
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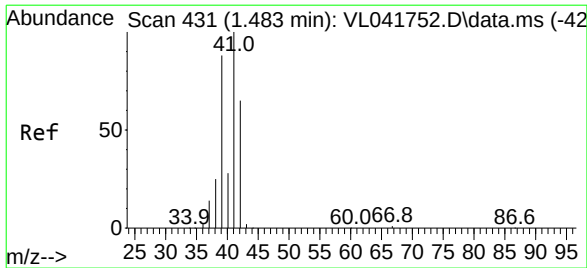
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#4
Chloromethane
Concen: 0.605 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

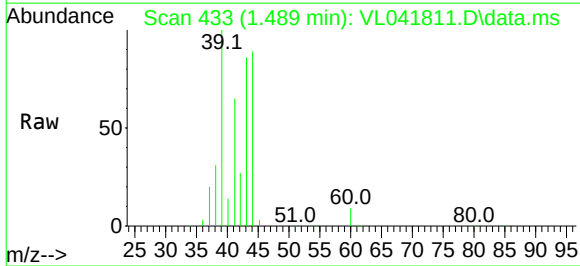
Tgt Ion: 50 Resp: 3262
Ion Ratio Lower Upper
50 100
52 21.1 26.2 39.2#





#9
Propene
Concen: 3.591 ppbv m
RT: 1.489 min Scan# 431
Delta R.T. 0.006 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

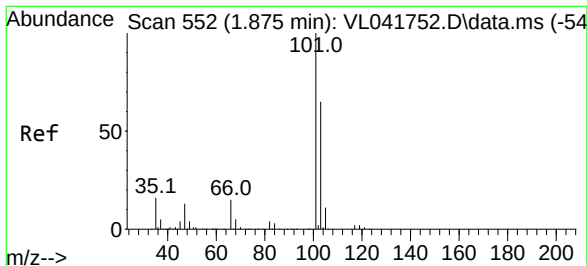
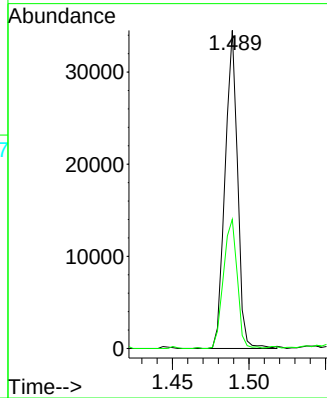
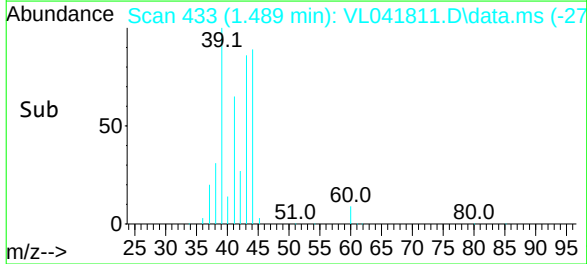
Instrument :
MSVOA_L
ClientSampleId :
C0AB8



Tgt Ion: 41 Resp: 19667
Ion Ratio Lower Upper
41 100
42 53.0 52.4 78.6

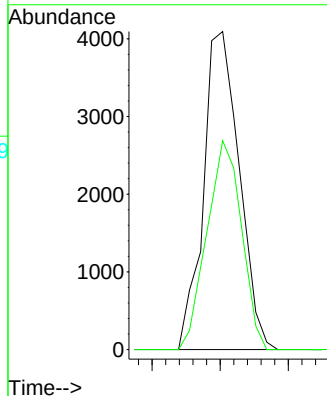
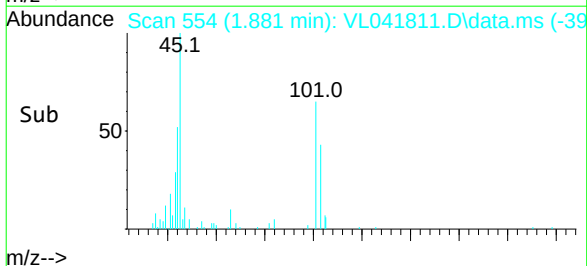
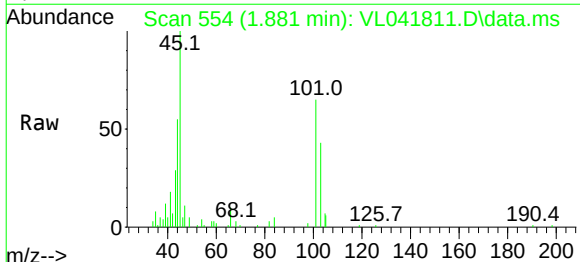
Manual Integrations
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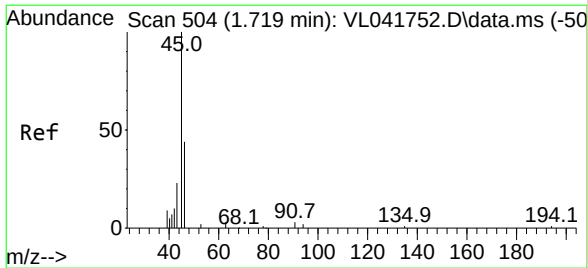
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#11
Trichlorofluoromethane
Concen: 0.204 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.006 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

Tgt Ion:101 Resp: 2991
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8





#13

Ethanol

Concen: 1567.837 ppbv

RT: 1.722 min Scan# 50

Delta R.T. 0.003 min

Lab File: VL041811.D

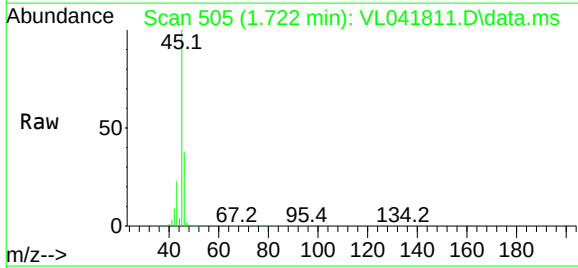
Acq: 19 Dec 2024 00:44

Instrument :

MSVOA_L

ClientSampleId :

C0AB8



Tgt Ion: 45 Resp: 711075

Ion Ratio Lower Upper

45 100

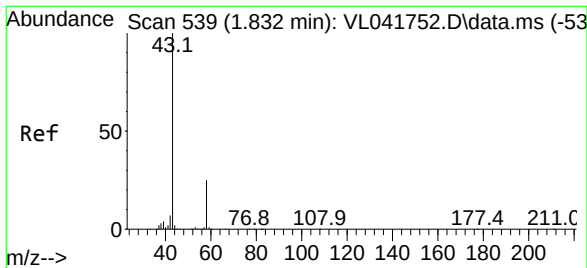
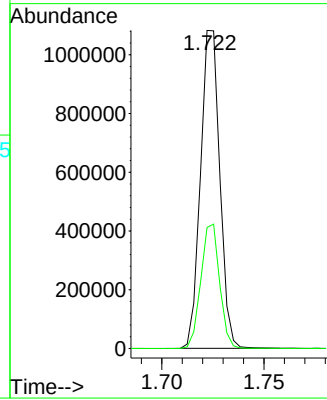
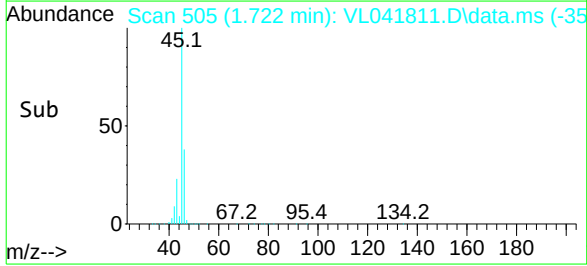
46 38.1 16.4 65.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/23/2024



#15

Acetone

Concen: 7.941 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL041811.D

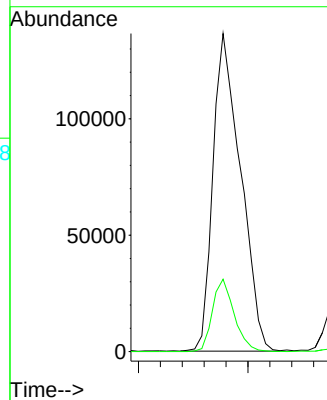
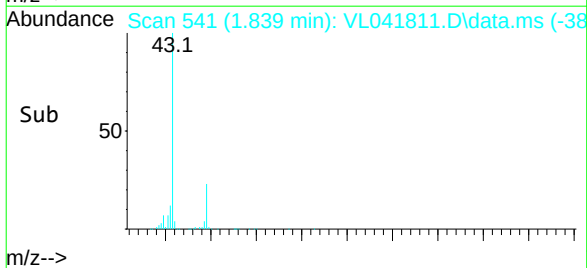
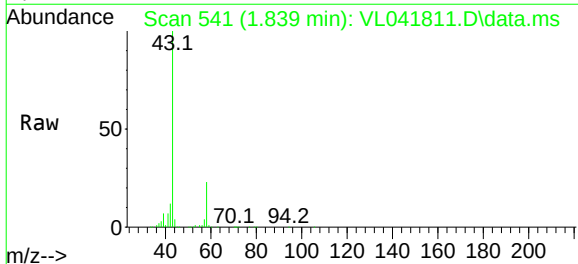
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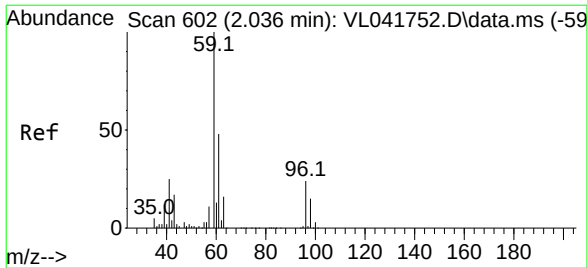
Tgt Ion: 43 Resp: 119725

Ion Ratio Lower Upper

43 100

58 18.0 19.7 29.5#





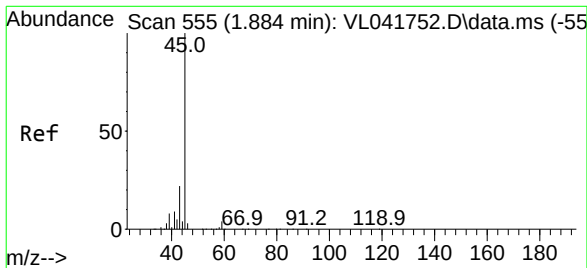
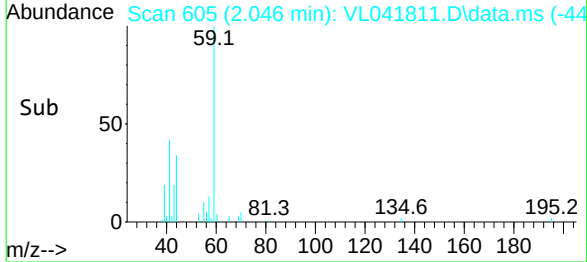
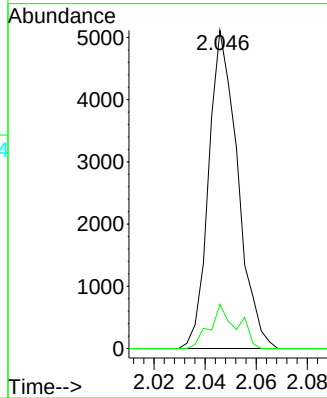
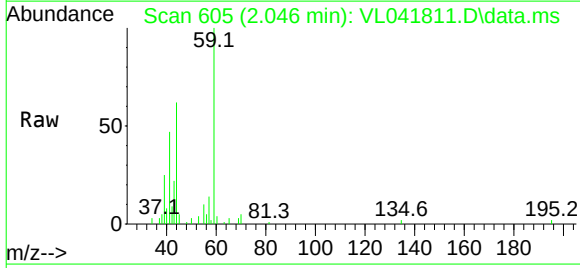
#17
tert-Butyl alcohol
Concen: 0.269 ppbv
RT: 2.046 min Scan# 602
Delta R.T. 0.009 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

Instrument :
MSVOA_L
ClientSampleId :
C0AB8

Tgt Ion: 59 Resp: 4030
Ion Ratio Lower Upper
59 100
57 207.8 8.6 13.0#

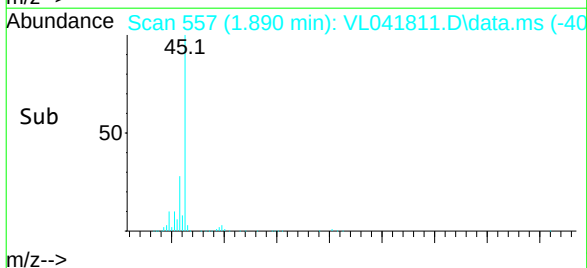
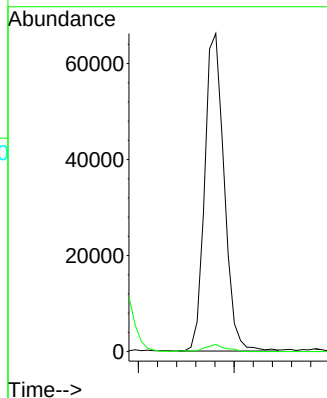
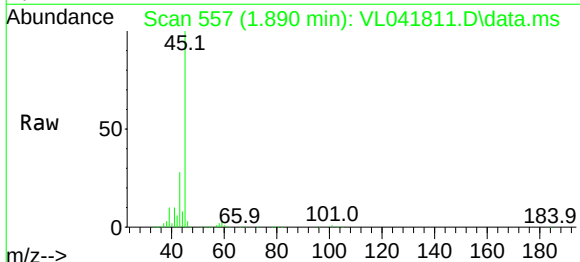
Manual Integrations
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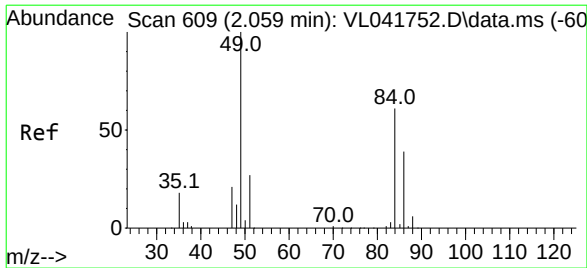
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#19
Isopropyl Alcohol
Concen: 5.159 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

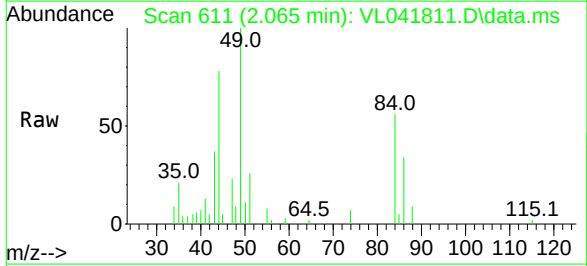
Tgt Ion: 45 Resp: 46673
Ion Ratio Lower Upper
45 100
58 2.5 33.3 49.9#





#20
Methylene Chloride
Concen: 0.333 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

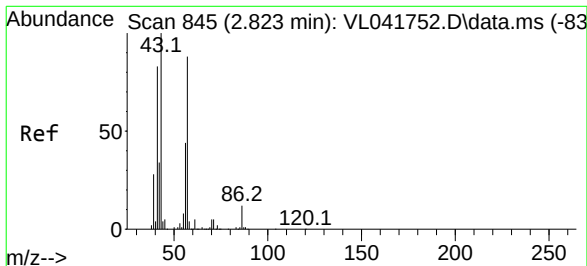
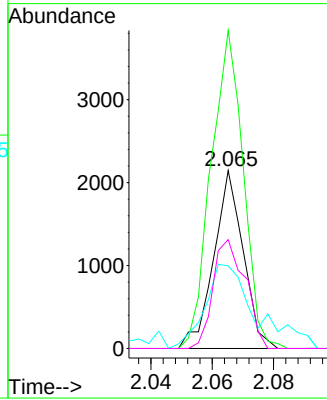
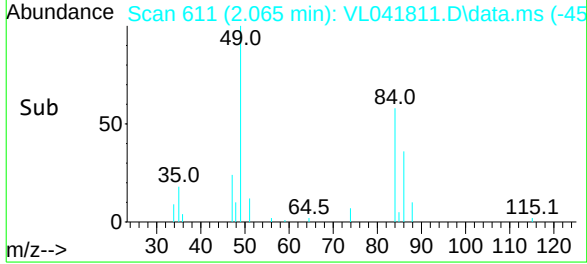
Instrument :
MSVOA_L
ClientSampleId :
C0AB8



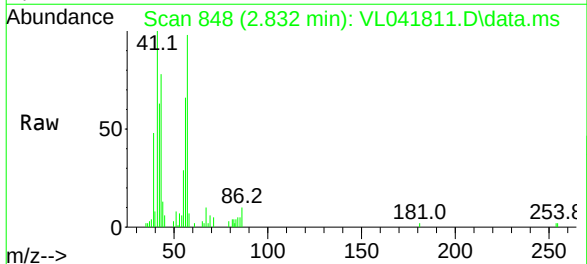
Tgt Ion:	84	Resp:	1430
Ion	Ratio	Lower	Upper
84	100		
49	178.8	132.6	198.8
51	43.8	37.6	56.4
86	61.2	51.4	77.0

Manual Integrations
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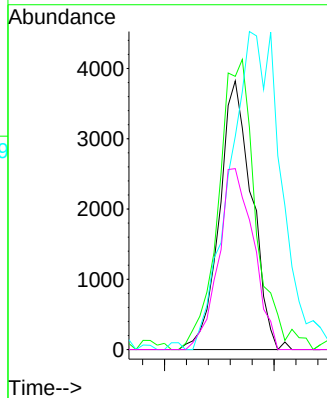
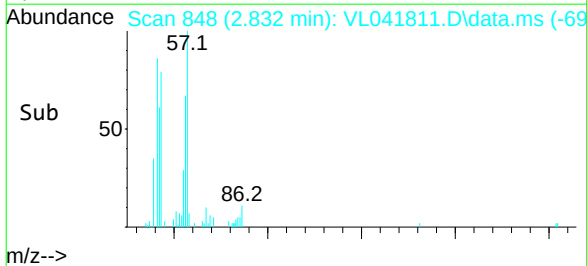
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024

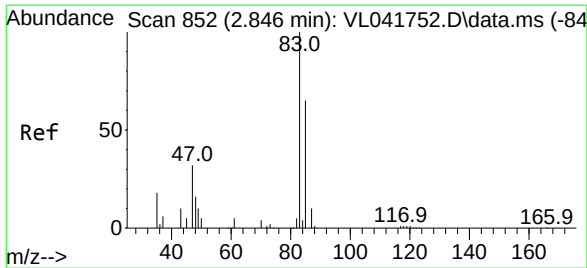


#26
Hexane
Concen: 0.367 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.009 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44



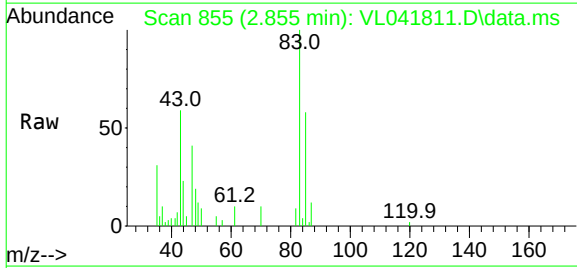
Tgt Ion:	57	Resp:	3902
Ion	Ratio	Lower	Upper
57	100		
41	131.0	79.6	119.4#
43	191.5	211.0	316.6#
56	73.1	42.6	63.8#





#29
Chloroform
Concen: 0.245 ppbv
RT: 2.855 min Scan# 85
Delta R.T. 0.009 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

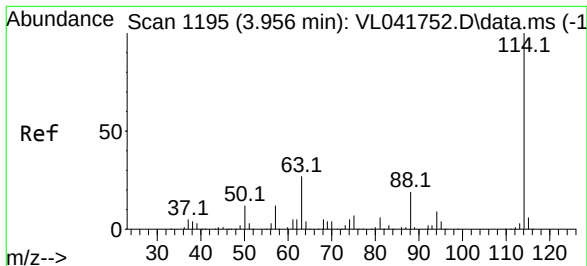
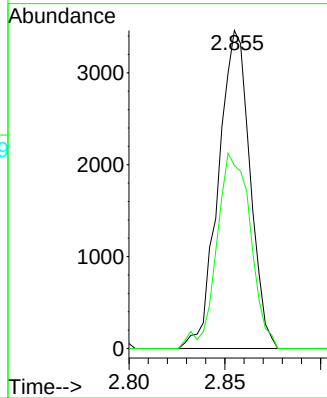
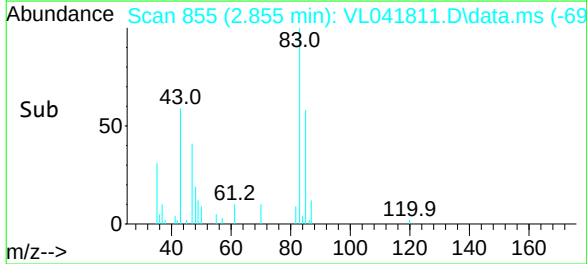
Instrument :
MSVOA_L
ClientSampleId :
C0AB8



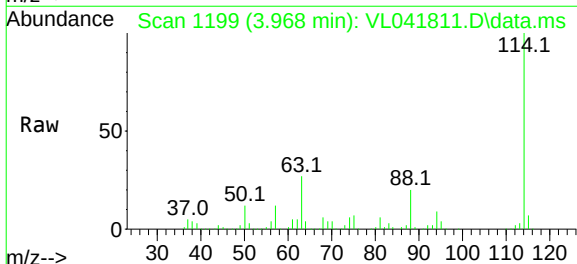
Tgt Ion: 83 Resp: 3971
Ion Ratio Lower Upper
83 100
85 57.6 51.8 77.6

Manual Integrations
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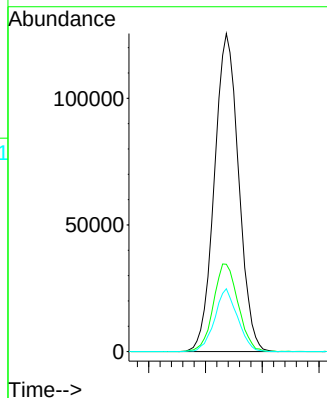
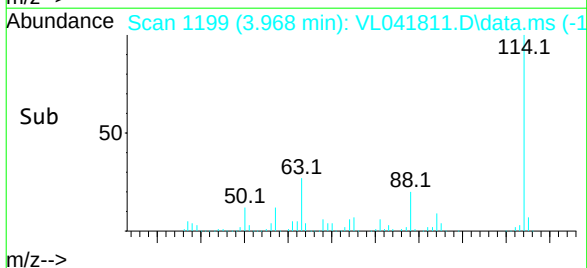
Reviewed By :Semsettin Yesilyurt 12/23/2024
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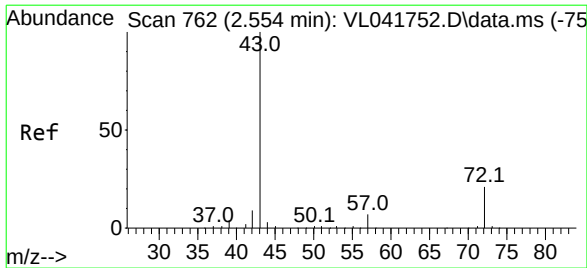


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.013 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44



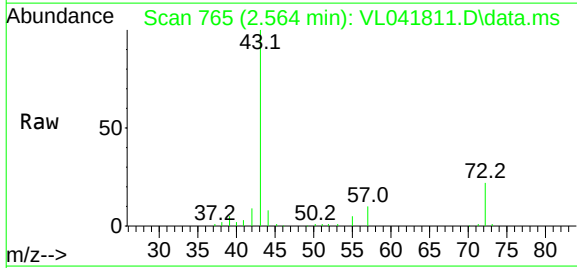
Tgt Ion:114 Resp: 186355
Ion Ratio Lower Upper
114 100
63 28.1 21.8 32.8
88 18.6 14.8 22.2





#34
2-Butanone
Concen: 0.941 ppbv
RT: 2.564 min Scan# 76
Delta R.T. 0.009 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

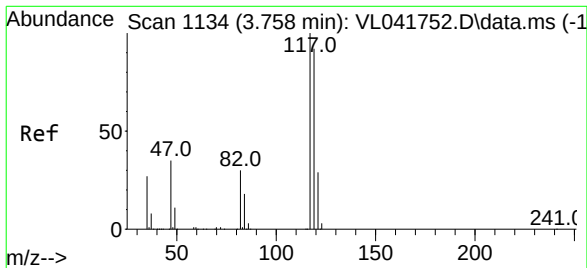
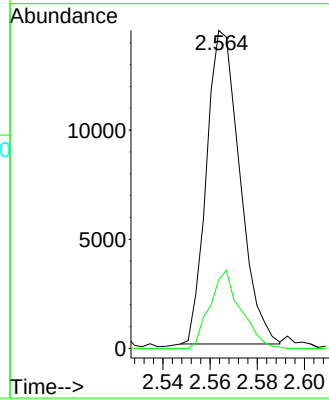
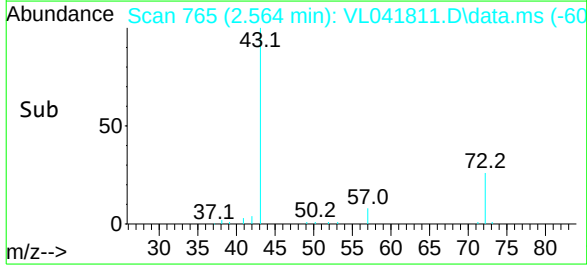
Instrument :
MSVOA_L
ClientSampleId :
C0AB8



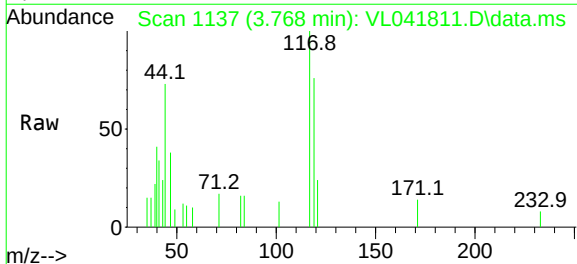
Tgt Ion: 43 Resp: 14105
Ion Ratio Lower Upper
43 100
72 23.0 16.8 25.2

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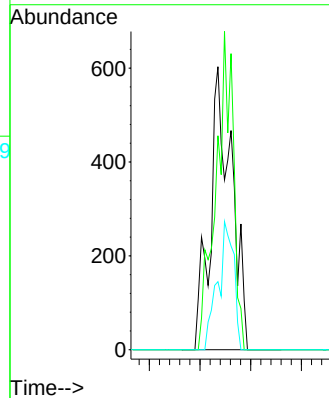
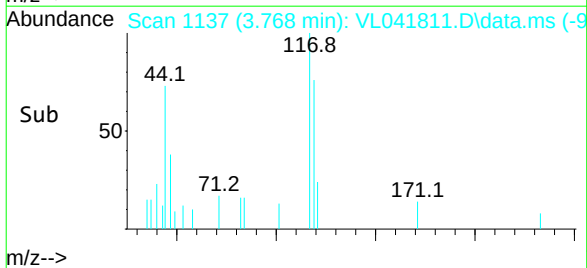
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024

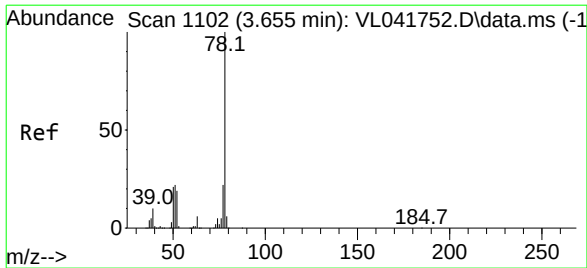


#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. 0.009 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44



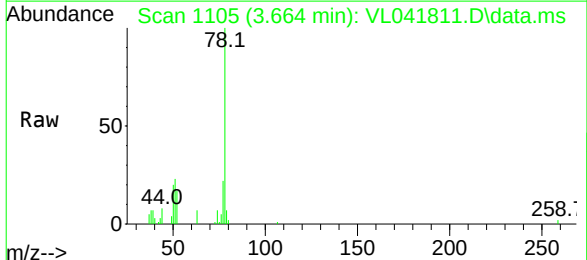
Tgt Ion:117 Resp: 884
Ion Ratio Lower Upper
117 100
119 75.6 73.7 110.5
121 24.0 23.0 34.4





#36
Benzene
Concen: 0.415 ppbv
RT: 3.664 min Scan# 1111
Delta R.T. 0.009 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

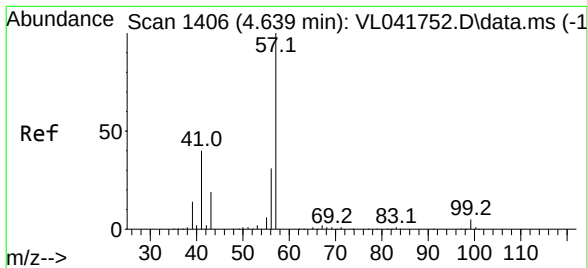
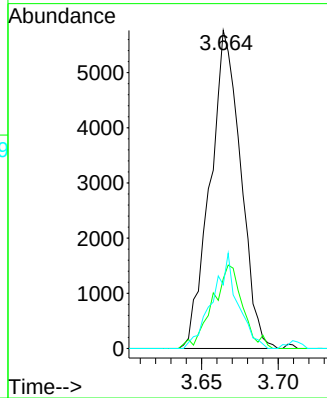
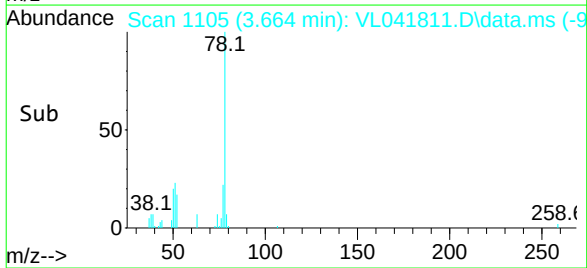
Instrument :
MSVOA_L
ClientSampleId :
C0AB8



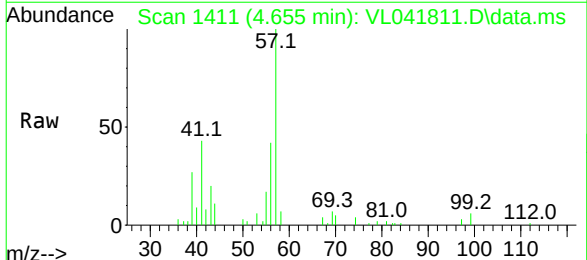
Tgt Ion: 78 Resp: 7992
Ion Ratio Lower Upper
78 100
77 21.9 17.8 26.6
50 20.0 17.2 25.8

Manual Integrations
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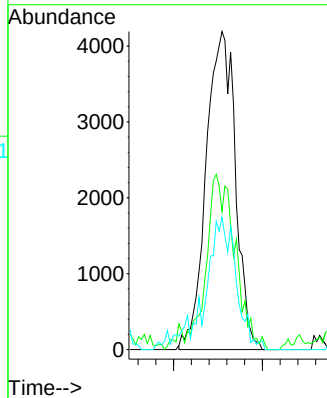
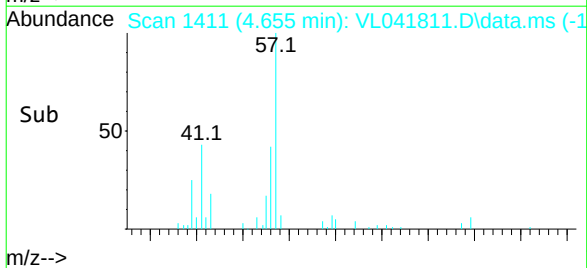
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024

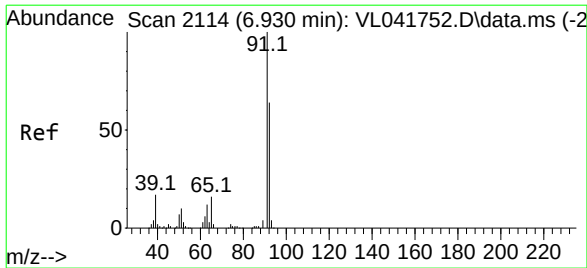


#44
2,2,4-Trimethylpentane
Concen: 0.291 ppbv m
RT: 4.655 min Scan# 1411
Delta R.T. 0.016 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44



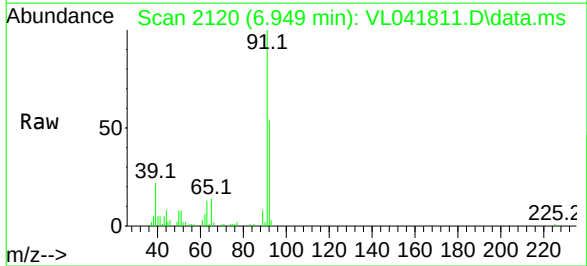
Tgt Ion: 57 Resp: 9590
Ion Ratio Lower Upper
57 100
41 56.3 30.7 46.1#
56 44.5 25.4 38.0#





#53
Toluene
Concen: 0.742 ppbv
RT: 6.949 min Scan# 2114
Delta R.T. 0.019 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

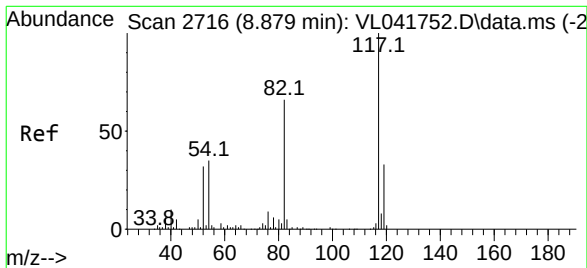
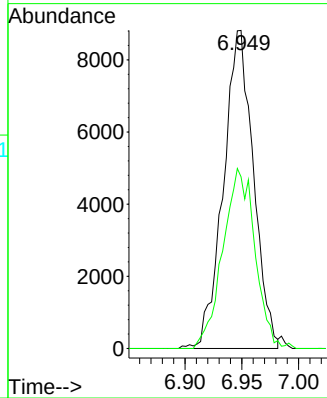
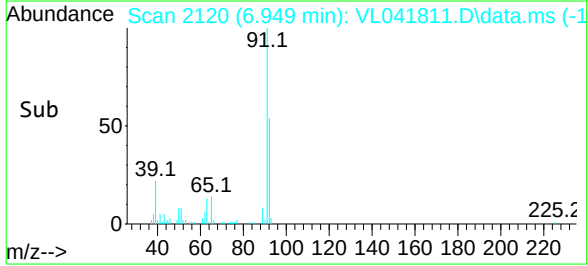
Instrument :
MSVOA_L
ClientSampleId :
C0AB8



Tgt Ion: 91 Resp: 16221
Ion Ratio Lower Upper
91 100
92 60.5 47.9 71.9

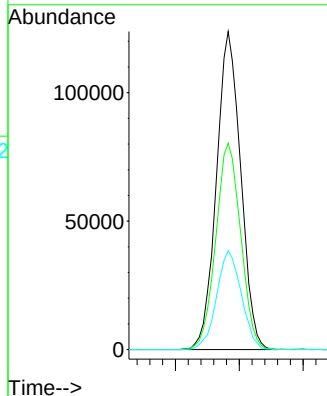
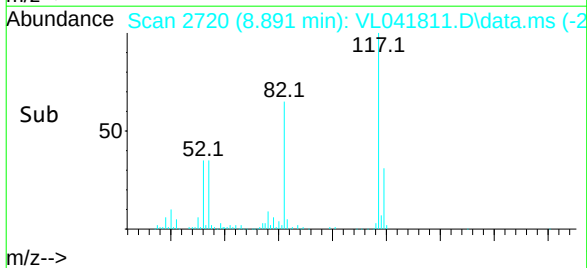
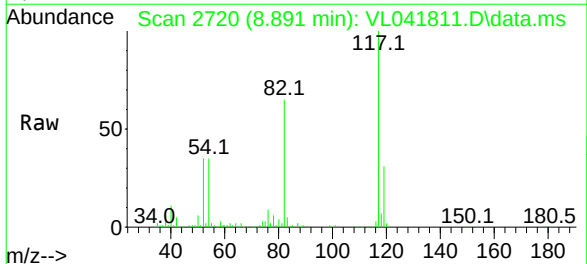
Manual Integrations
APPROVED

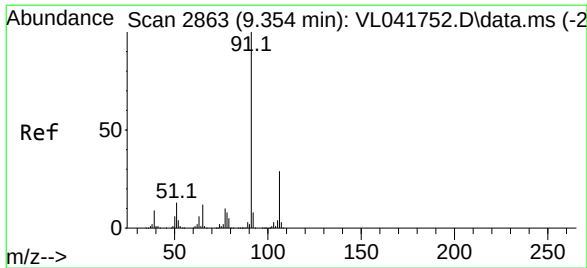
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.013 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

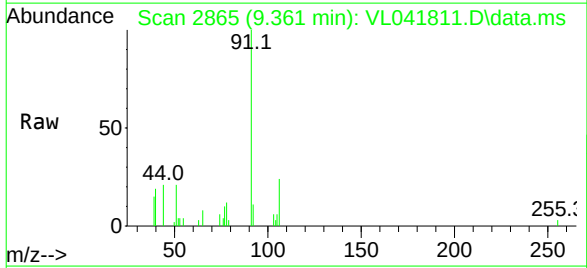
Tgt Ion:117 Resp: 163591
Ion Ratio Lower Upper
117 100
82 66.6 53.8 80.8
119 31.7 26.7 40.1





#58
Ethyl Benzene
Concen: 0.112 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.006 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

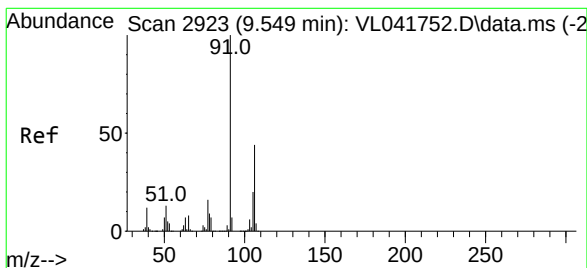
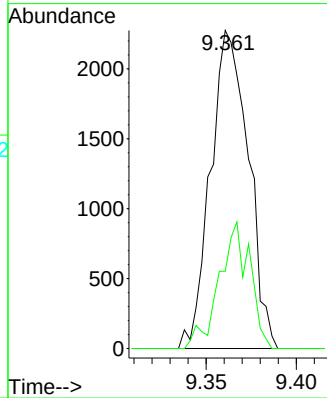
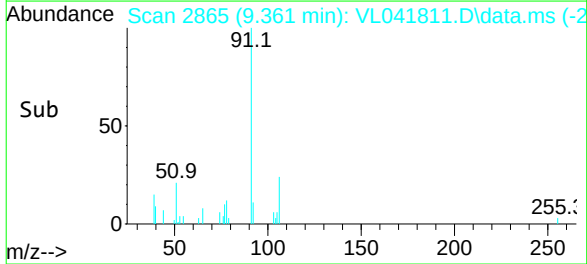
Instrument :
MSVOA_L
ClientSampleId :
C0AB8



Tgt Ion: 91 Resp: 3309
Ion Ratio Lower Upper
91 100
106 24.3 23.5 35.3

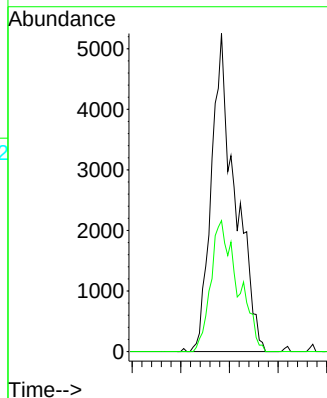
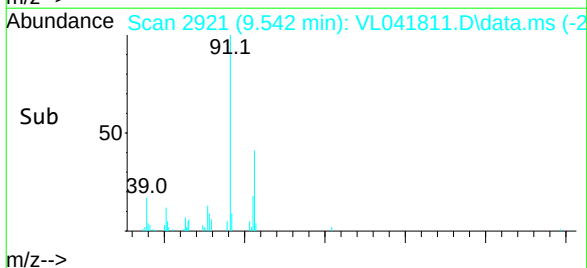
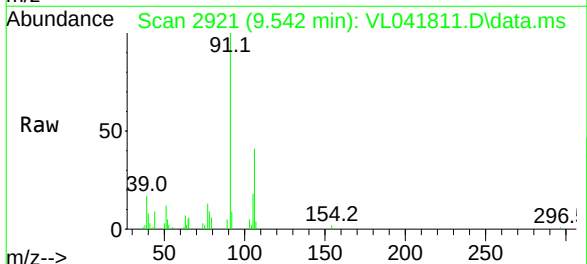
Manual Integrations
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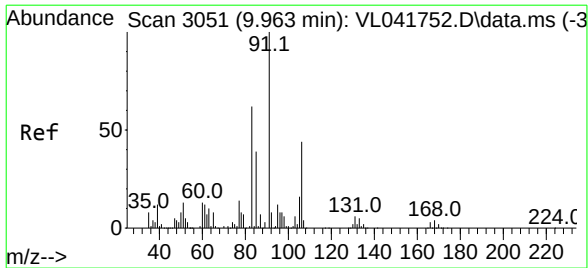
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#59
m/p-Xylene
Concen: 0.378 ppbv m
RT: 9.542 min Scan# 2921
Delta R.T. -0.007 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

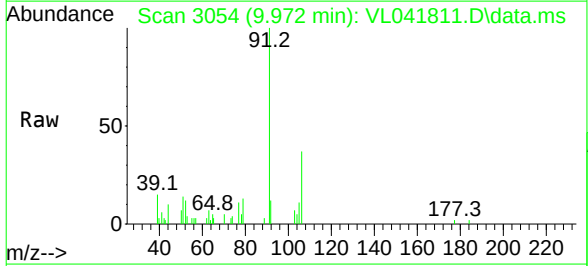
Tgt Ion: 91 Resp: 8941
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#60
o-Xylene
Concen: 0.140 ppbv m
RT: 9.972 min Scan# 3054
Delta R.T. 0.009 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

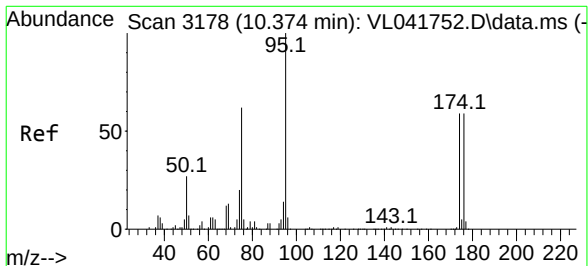
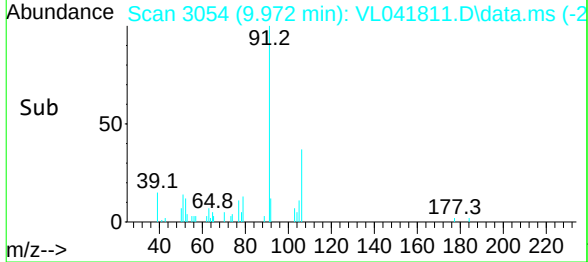
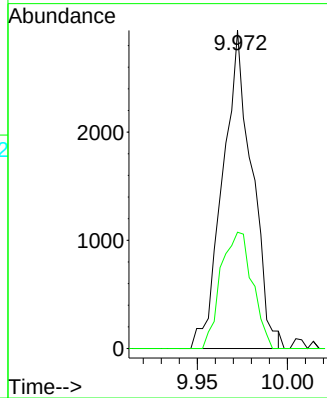
Instrument :
MSVOA_L
ClientSampleId :
C0AB8



Tgt Ion: 91 Resp: 3319
Ion Ratio Lower Upper
91 100
106 39.4 21.1 63.4

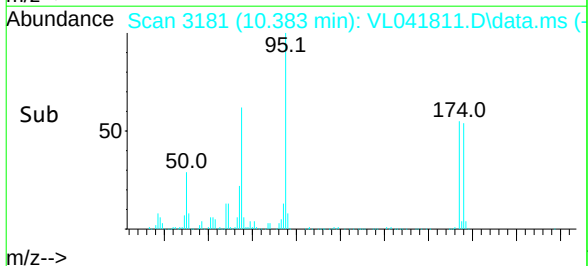
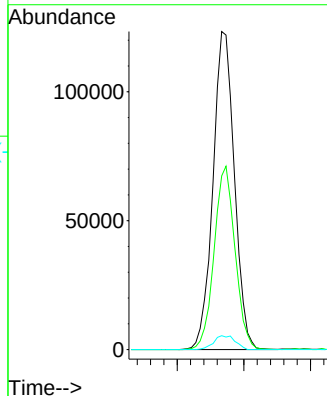
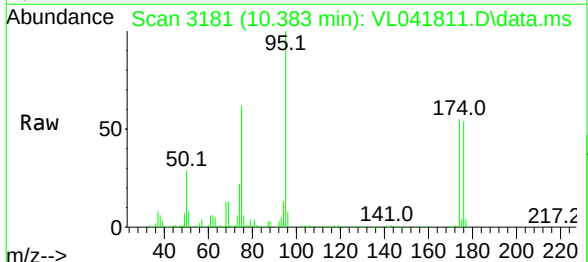
Manual Integrations
APPROVED

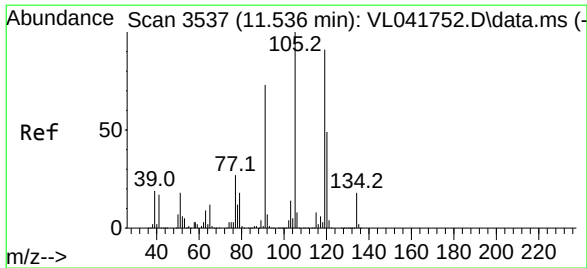
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.105 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.009 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

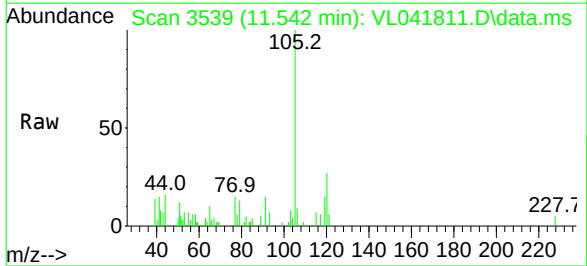
Tgt Ion: 95 Resp: 137750
Ion Ratio Lower Upper
95 100
174 56.6 47.6 71.4
175 4.4 3.7 5.5





#74
1,2,4-Trimethylbenzene
Concen: 0.131 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.006 min
Lab File: VL041811.D
Acq: 19 Dec 2024 00:44

Instrument :
MSVOA_L
ClientSampleId :
C0AB8



Tgt Ion:	105	Resp:	3276
Ion Ratio	Lower	Upper	
105	100		
120	27.1	39.0	58.4#
91	13.0	58.1	87.1#
77	13.2	21.8	32.8#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024

