

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041738.D
 Acq On : 12 Dec 2024 07:52
 Operator : SY/MD
 Sample : P5150-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/13/2024
 Supervised By :Semsettin Yesilyurt 12/13/2024

Quant Time: Dec 12 08:20:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M

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

QLast Update : Thu Dec 12 07:13:56 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.777	49	246902	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.942	114	1201866	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.869	117	1066555	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	695618	9.921	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.492	85	14129	0.326	ppbv	97
4) Chloromethane	1.528	50	4535	0.394	ppbv #	87
9) Propene	1.479	41	15410m	1.075	ppbv	
10) Heptane	4.962	43	9556	0.241	ppbv	92
11) Trichlorofluoromethane	1.871	101	9173	0.184	ppbv	89
13) Ethanol	1.716	45	247027	208.376	ppbv	95
15) Acetone	1.829	43	182482	6.401	ppbv	97
17) tert-Butyl alcohol	2.039	59	4590	0.111	ppbv #	72
19) Isopropyl Alcohol	1.881	45	53368	1.971	ppbv #	5
20) Methylene Chloride	2.052	84	5904	0.342	ppbv #	83
26) Hexane	2.816	57	30285	0.788	ppbv #	62
29) Chloroform	2.839	83	32688	0.556	ppbv	99
30) Cyclohexane	3.836	84	5346m	0.124	ppbv	
34) 2-Butanone	2.554	43	12460	0.296	ppbv	95
35) Carbon Tetrachloride	3.748	117	3388	0.061	ppbv	95
36) Benzene	3.645	78	27535	0.291	ppbv	98
44) 2,2,4-Trimethylpentane	4.622	57	14813	0.113	ppbv #	55
52) Tetrachloroethene	8.212	164	2785	0.056	ppbv	86
53) Toluene	6.917	91	58195	0.501	ppbv	99
58) Ethyl Benzene	9.344	91	13838	0.097	ppbv	96
59) m/p-Xylene	9.522	91	31184	0.285	ppbv	97
60) o-Xylene	9.956	91	13300	0.123	ppbv	93
73) 1,3,5-Trimethylbenzene	11.199	105	5686	0.050	ppbv	90
74) 1,2,4-Trimethylbenzene	11.532	105	18238	0.148	ppbv #	67

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

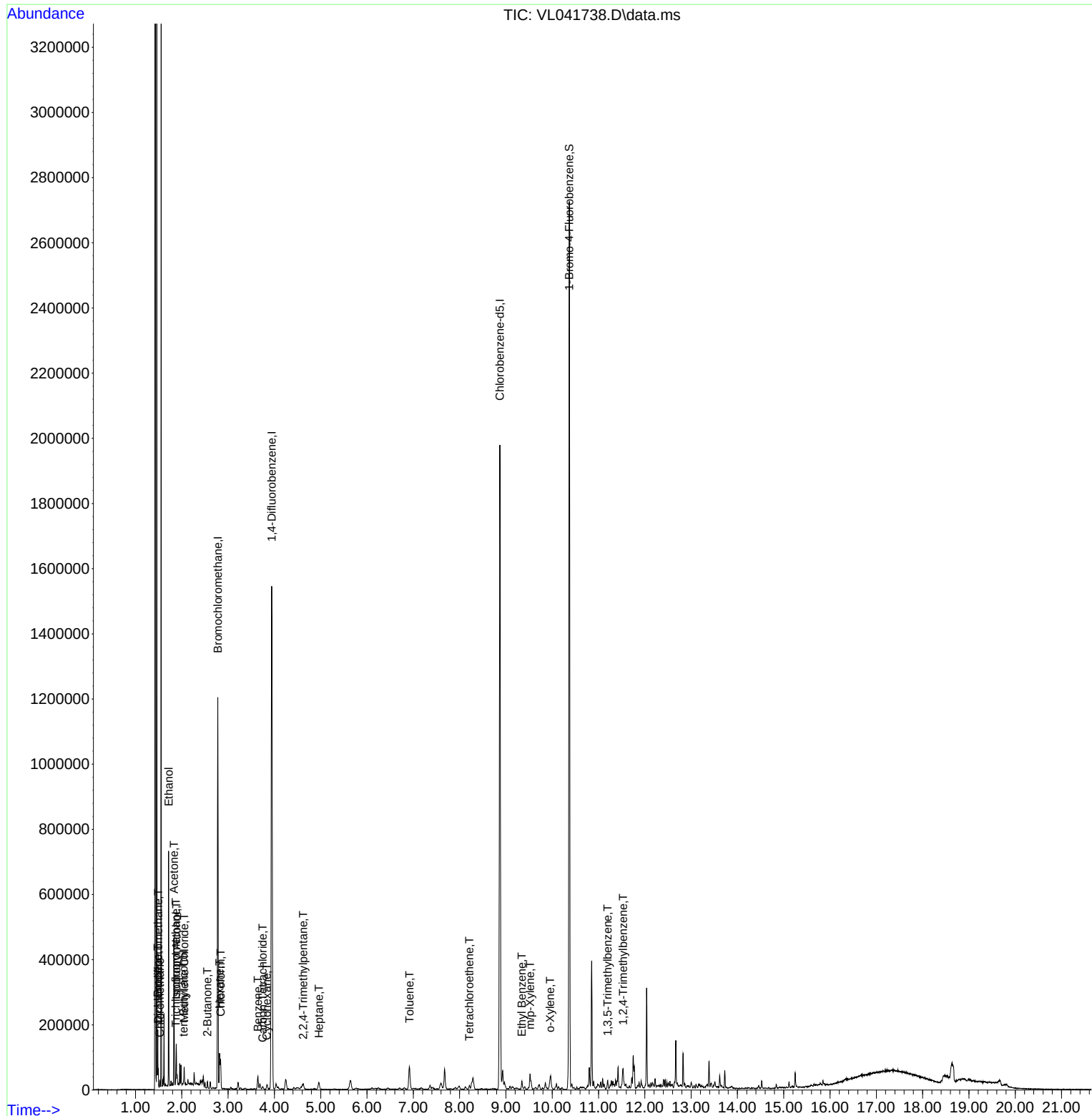
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
Data File : VL041738.D
Acq On : 12 Dec 2024 07:52
Operator : SY/MD
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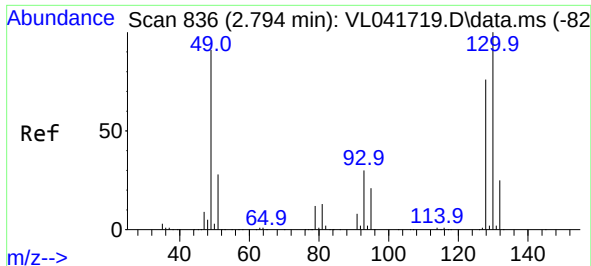
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Dec 12 08:20:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 12 07:13:56 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

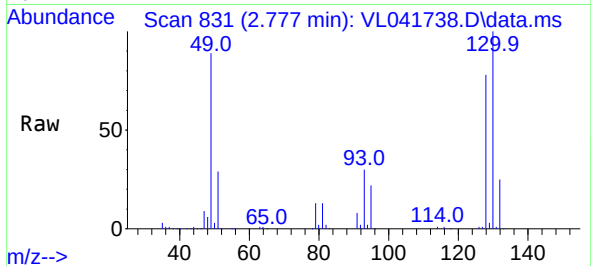
Reviewed By : Mahesh Dadoda 12/13/2024
Supervised By : Semsettin Yesilyurt 12/13/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. -0.017 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

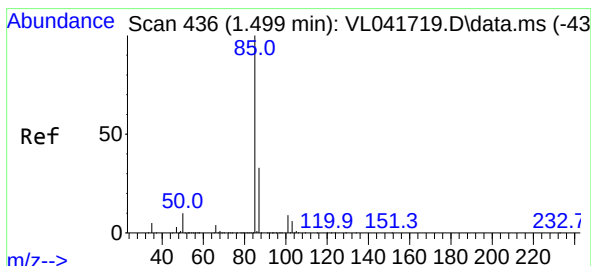
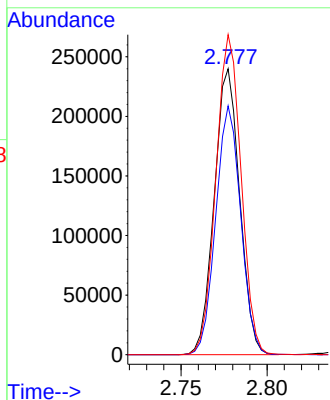
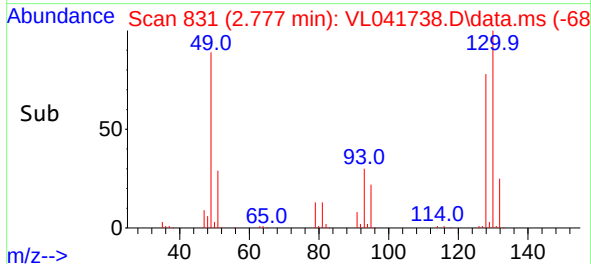
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 24690
Ion Ratio Lower Upper
49 100
128 85.5 42.8 128.3
130 111.0 55.8 167.4

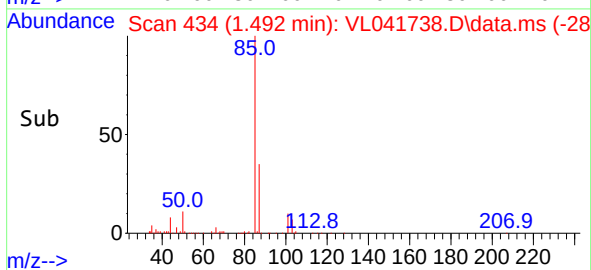
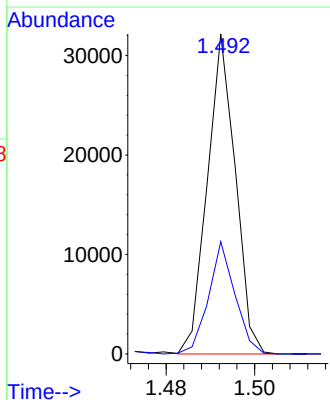
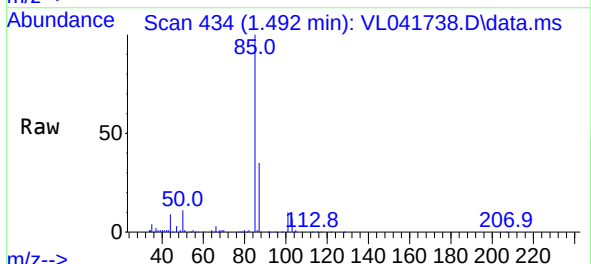
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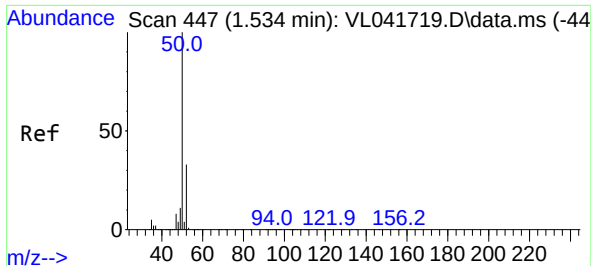
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#2
Dichlorodifluoromethane
Concen: 0.326 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.007 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

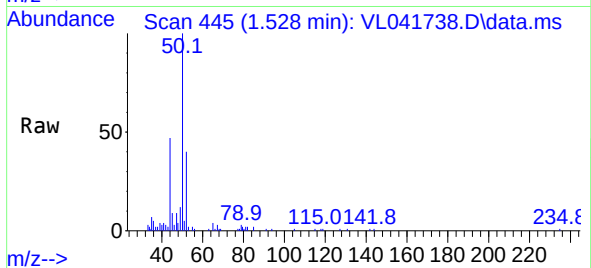
Tgt Ion: 85 Resp: 14129
Ion Ratio Lower Upper
85 100
87 35.1 26.6 39.8





#4
Chloromethane
Concen: 0.394 ppbv
RT: 1.528 min Scan# 447
Delta R.T. -0.007 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

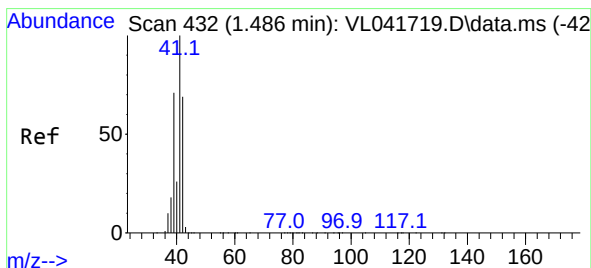
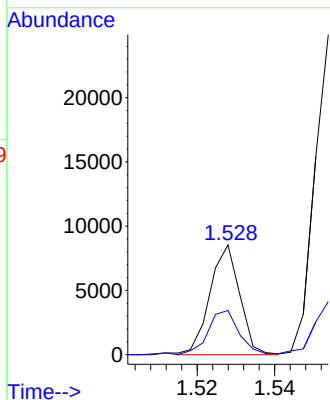
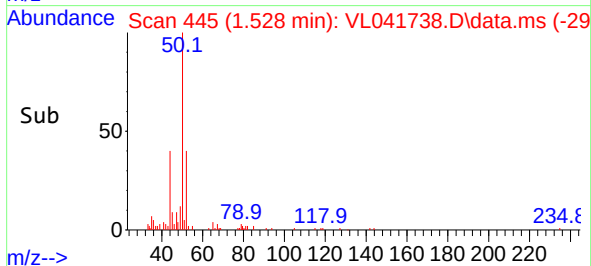
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 50 Resp: 453
Ion Ratio Lower Upper
50 100
52 40.5 26.6 40.0

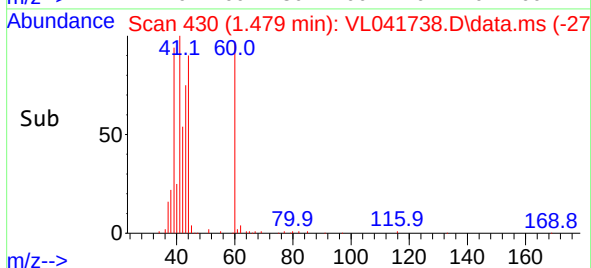
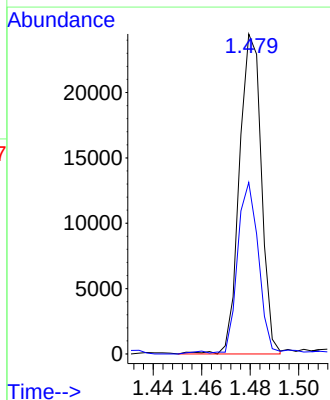
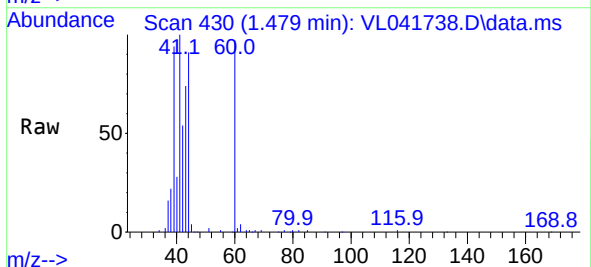
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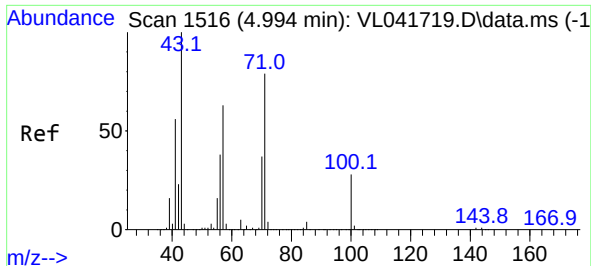
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#9
Propene
Concen: 1.075 ppbv m
RT: 1.479 min Scan# 430
Delta R.T. -0.007 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

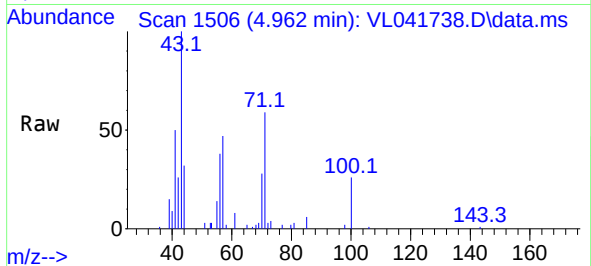
Tgt Ion: 41 Resp: 15410
Ion Ratio Lower Upper
41 100
42 1977.0 56.2 84.4





#10
Heptane
Concen: 0.241 ppbv
RT: 4.962 min Scan# 11
Delta R.T. -0.032 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

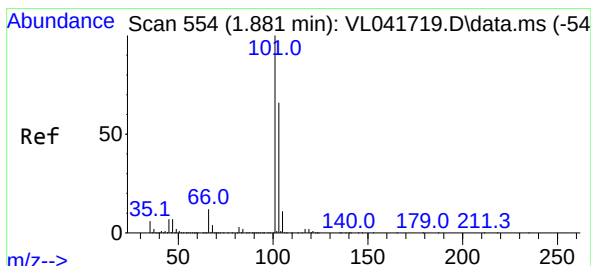
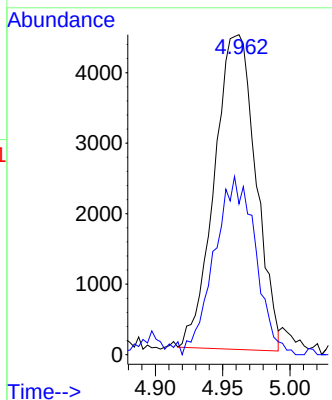
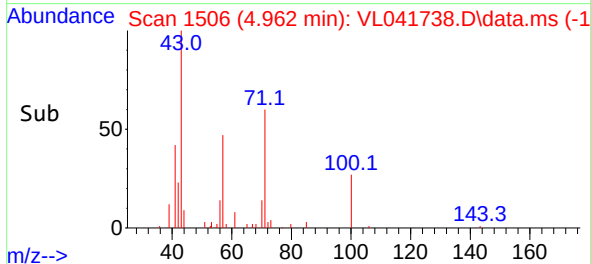
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
57 56.8 50.5 75.7

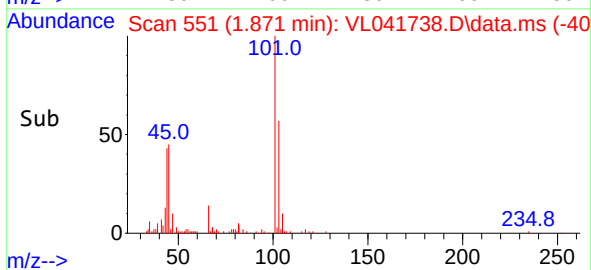
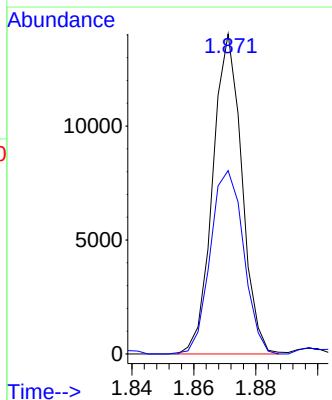
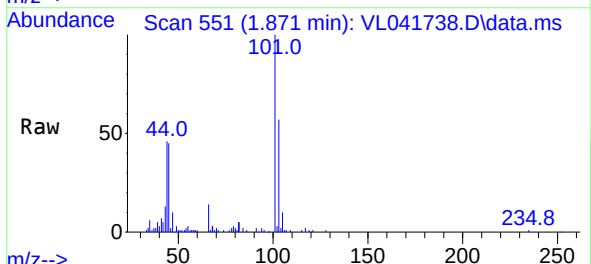
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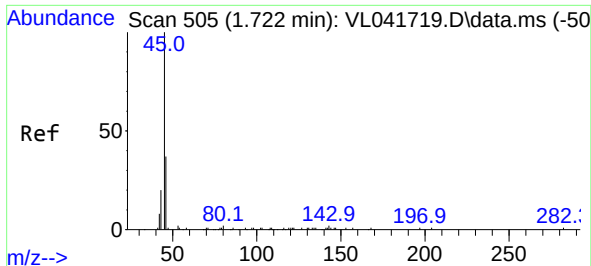
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#11
Trichlorofluoromethane
Concen: 0.184 ppbv
RT: 1.871 min Scan# 551
Delta R.T. -0.010 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

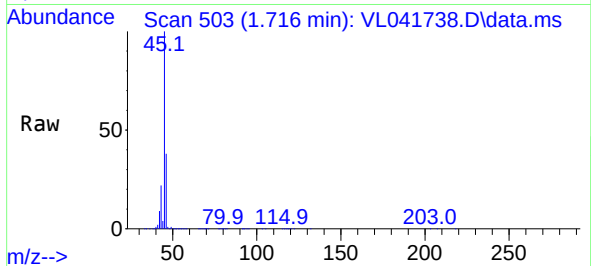
Tgt Ion:101 Resp: 9173
Ion Ratio Lower Upper
101 100
103 57.3 52.7 79.1





#13
Ethanol
Concen: 208.376 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.007 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

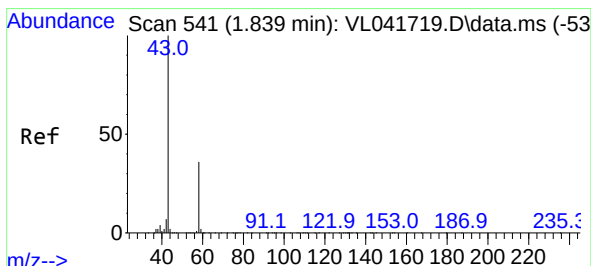
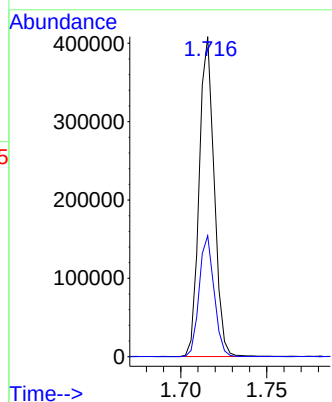
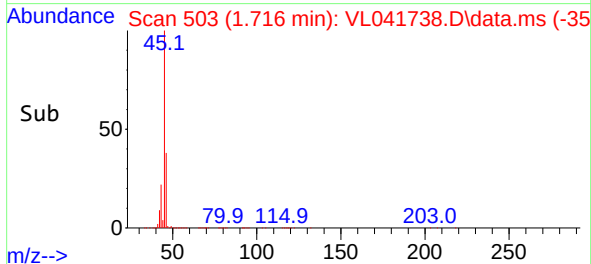
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 247021
Ion Ratio Lower Upper
45 100
46 38.1 16.6 66.6

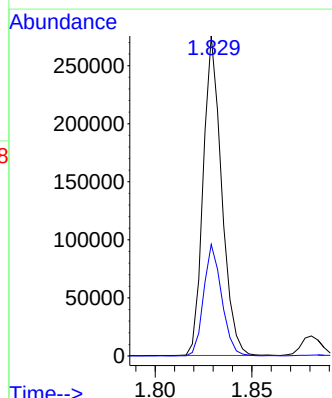
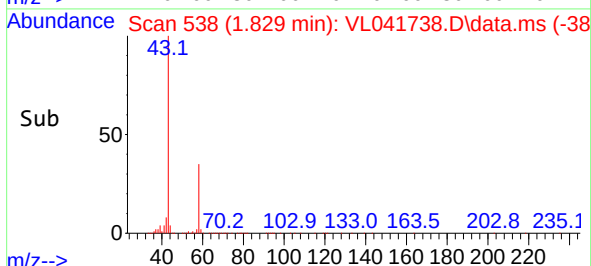
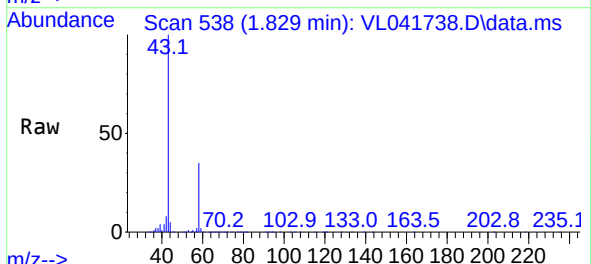
Manual Integrations
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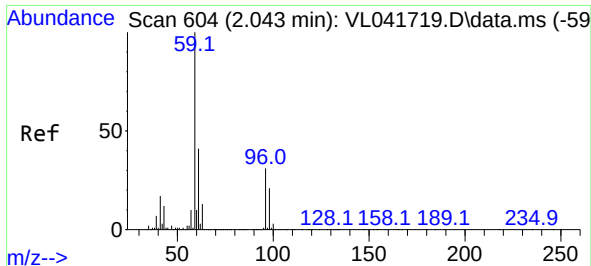
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#15
Acetone
Concen: 6.401 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.010 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

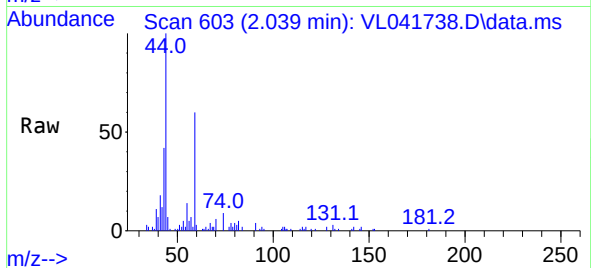
Tgt Ion: 43 Resp: 182482
Ion Ratio Lower Upper
43 100
58 34.2 28.9 43.3





#17
tert-Butyl alcohol
Concen: 0.111 ppbv
RT: 2.039 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

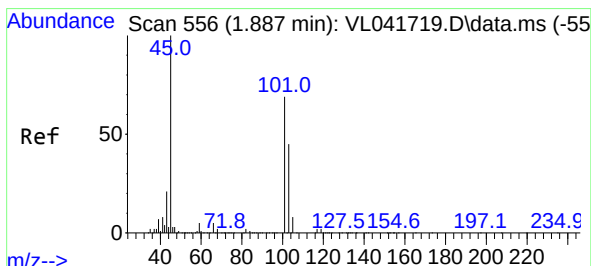
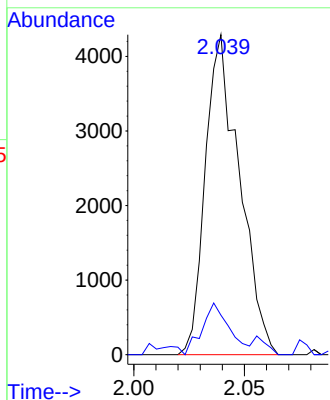
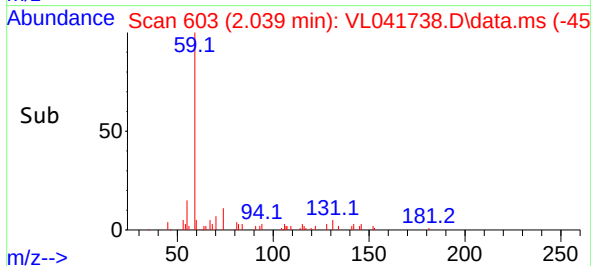
Instrument :
MSVOA_L
ClientSampleId :
IA1



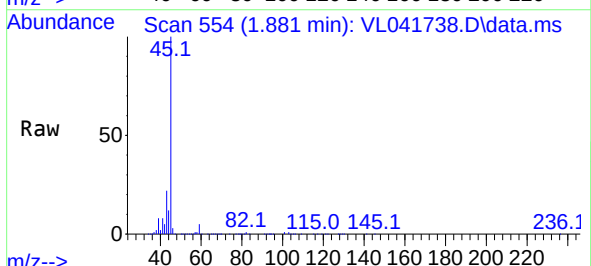
Tgt Ion: 59 Resp: 4590
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4

Manual Integrations
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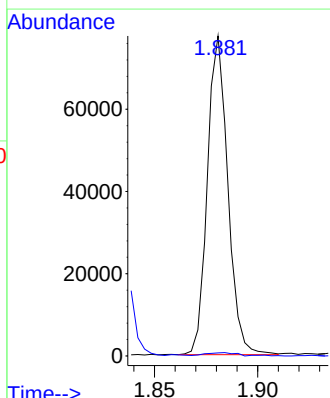
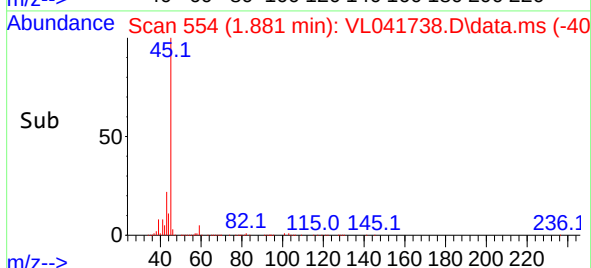
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024

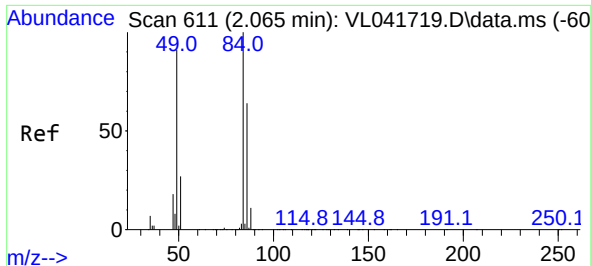


#19
Isopropyl Alcohol
Concen: 1.971 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.007 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52



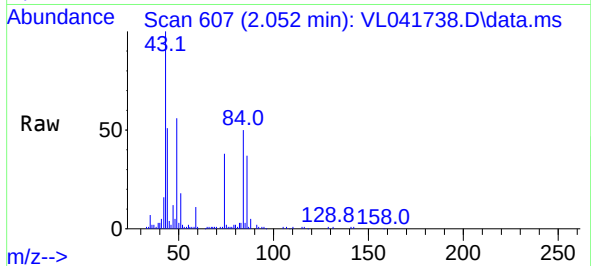
Tgt Ion: 45 Resp: 53368
Ion Ratio Lower Upper
45 100
58 116.9 40.6 61.0





#20
Methylene Chloride
Concen: 0.342 ppbv
RT: 2.052 min Scan# 60
Delta R.T. -0.013 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

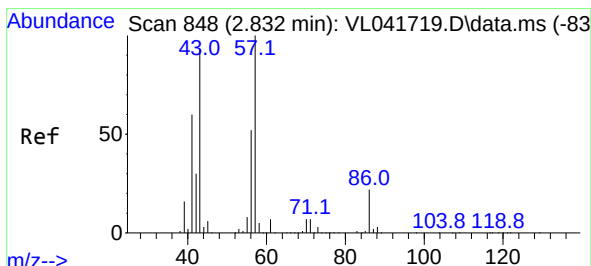
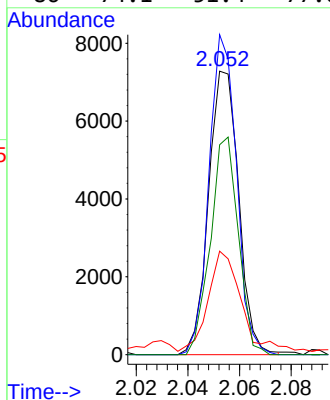
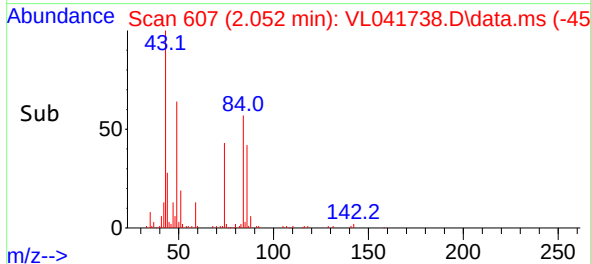
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84 Resp: 5904
Ion Ratio Lower Upper
84 100
49 112.9 73.6 110.4
51 35.3 22.7 34.1
86 74.1 51.4 77.0

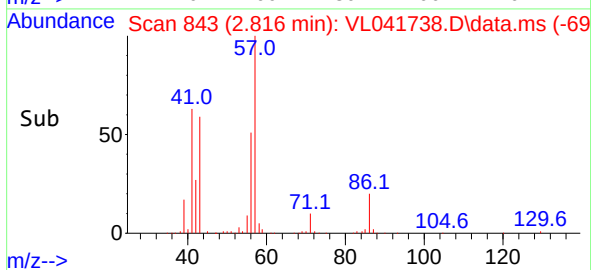
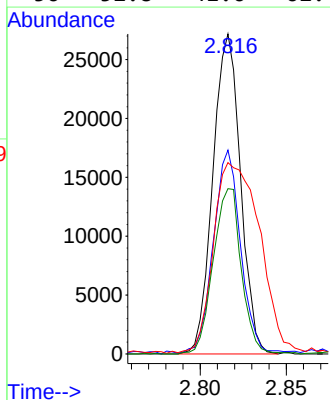
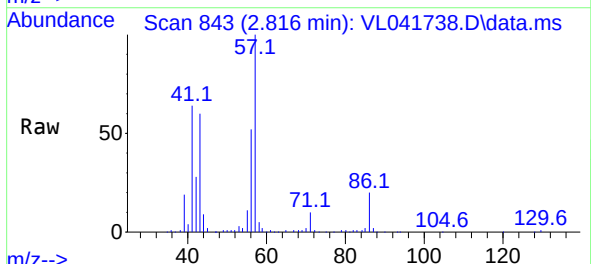
Manual Integrations
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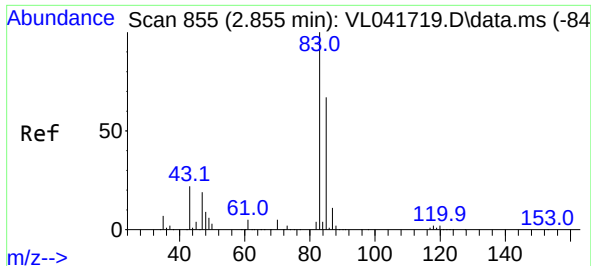
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#26
Hexane
Concen: 0.788 ppbv
RT: 2.816 min Scan# 843
Delta R.T. -0.016 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

Tgt Ion: 57 Resp: 30285
Ion Ratio Lower Upper
57 100
41 61.3 49.5 74.3
43 98.9 150.6 225.8
56 52.8 41.6 62.4





#29

Chloroform

Concen: 0.556 ppbv

RT: 2.839 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL041738.D

Acq: 12 Dec 2024 07:52

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 83 Resp: 3268

Ion Ratio Lower Upper

83 100

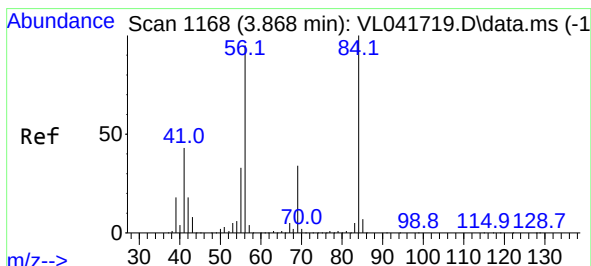
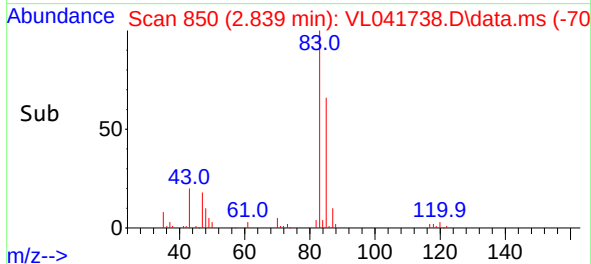
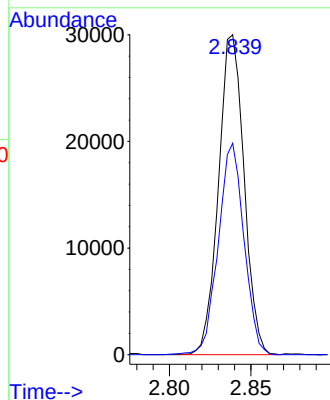
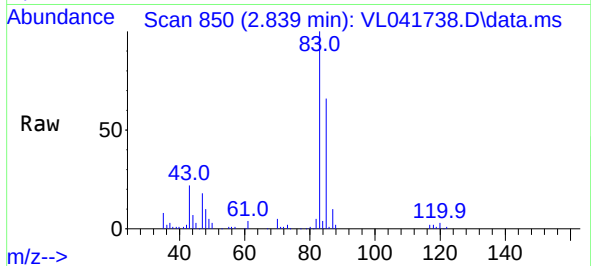
85 66.0 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/13/2024

Supervised By :Semsettin Yesilyurt 12/13/2024



#30

Cyclohexane

Concen: 0.124 ppbv m

RT: 3.836 min Scan# 1158

Delta R.T. -0.032 min

Lab File: VL041738.D

Acq: 12 Dec 2024 07:52

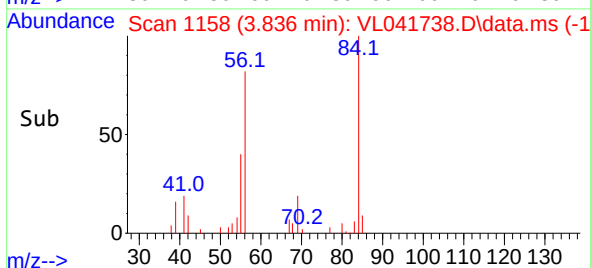
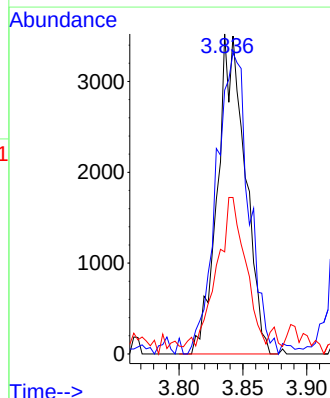
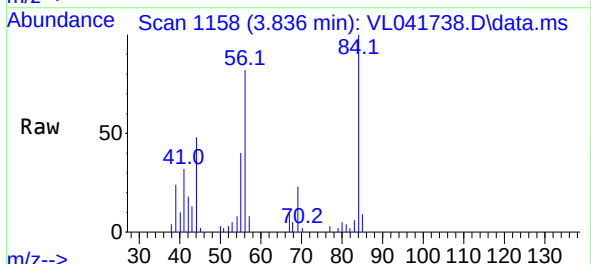
Tgt Ion: 84 Resp: 5346

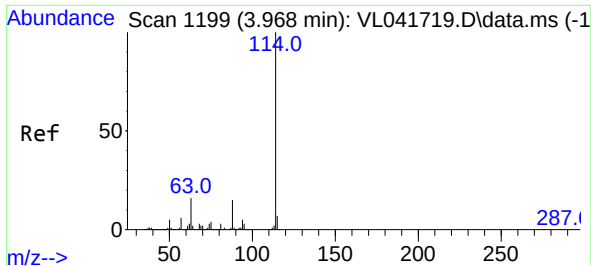
Ion Ratio Lower Upper

84 100

56 111.3 76.0 114.0

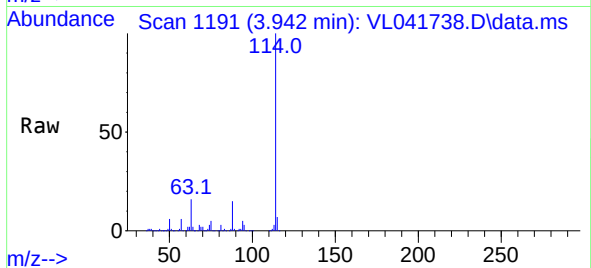
41 58.4 34.2 51.4#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1191
Delta R.T. -0.026 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

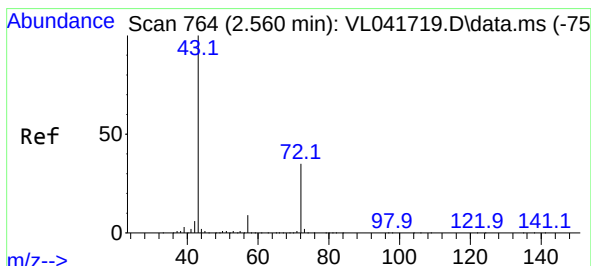
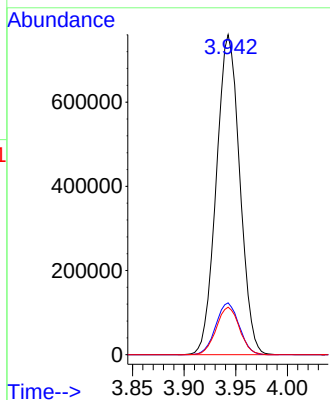
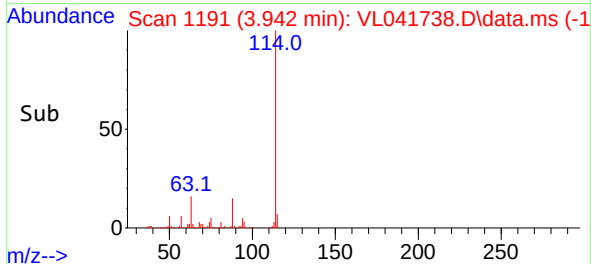
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:114 Resp: 1201860
Ion Ratio Lower Upper
114 100
63 16.1 12.9 19.3
88 14.8 11.8 17.6

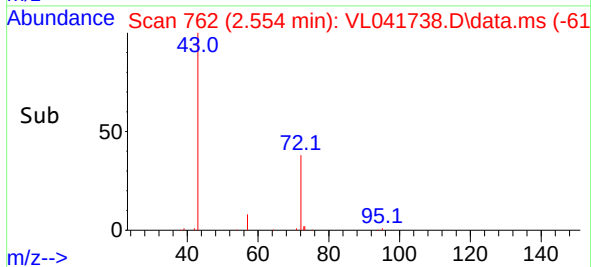
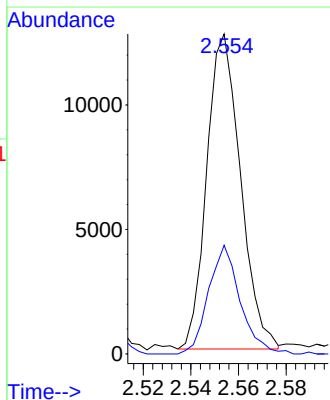
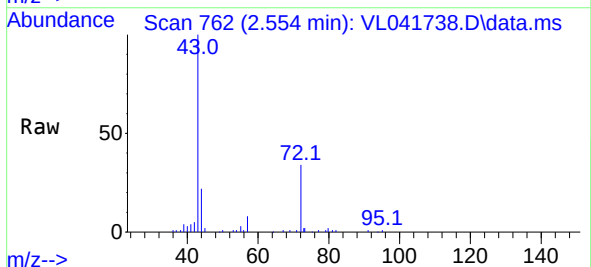
Manual Integrations
APPROVED

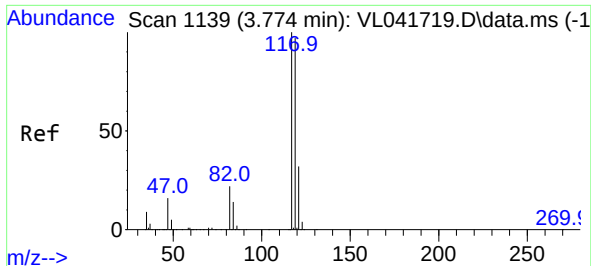
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#34
2-Butanone
Concen: 0.296 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.007 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

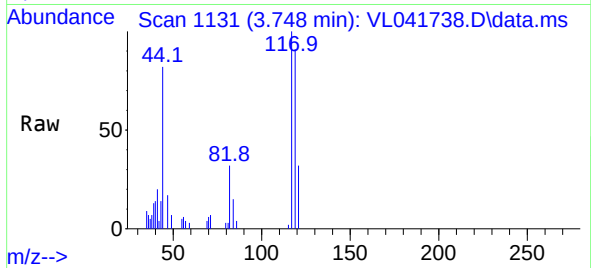
Tgt Ion: 43 Resp: 12460
Ion Ratio Lower Upper
43 100
72 32.5 28.3 42.5





#35
Carbon Tetrachloride
Concen: 0.061 ppbv
RT: 3.748 min Scan# 1139
Delta R.T. -0.026 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

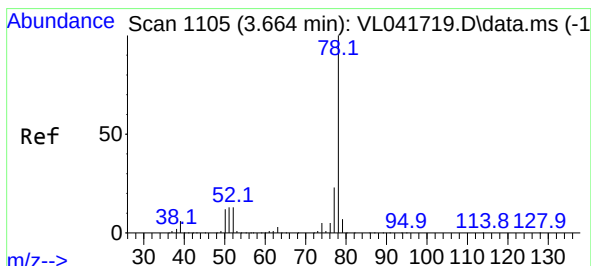
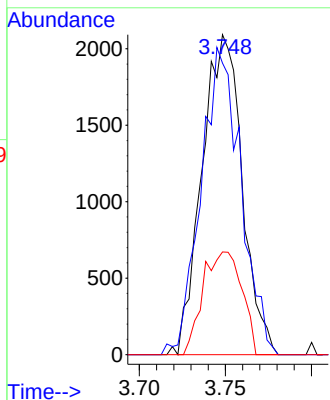
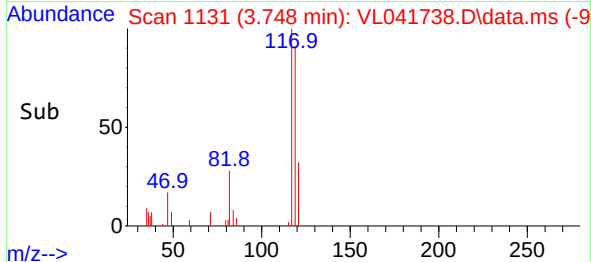
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 117 Resp: 338
Ion Ratio Lower Upper
117 100
119 91.1 77.7 116.5
121 32.1 25.5 38.3

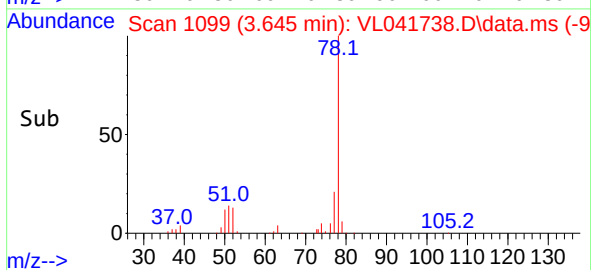
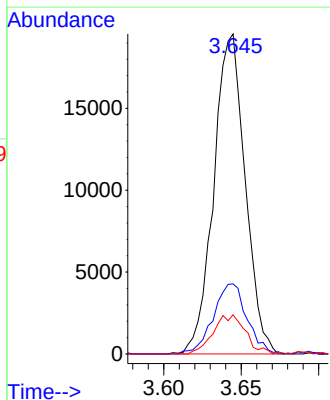
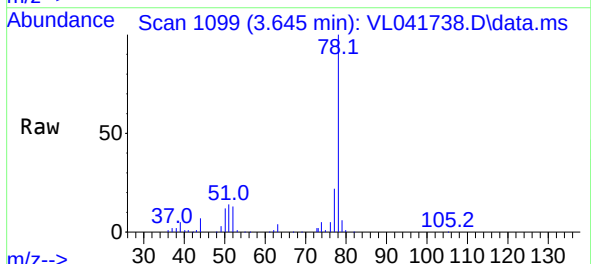
Manual Integrations
APPROVED

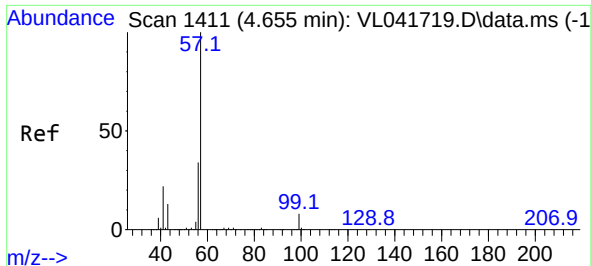
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#36
Benzene
Concen: 0.291 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.019 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

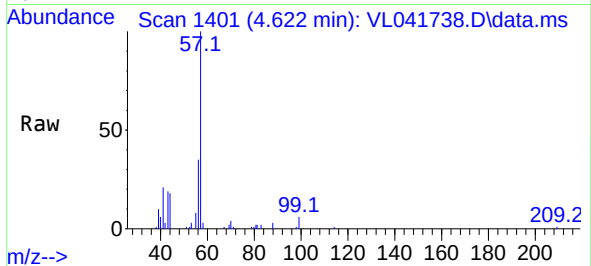
Tgt Ion: 78 Resp: 27535
Ion Ratio Lower Upper
78 100
77 21.9 18.6 27.8
50 12.2 9.5 14.3





#44
2,2,4-Trimethylpentane
Concen: 0.113 ppbv
RT: 4.622 min Scan# 1411
Delta R.T. -0.032 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

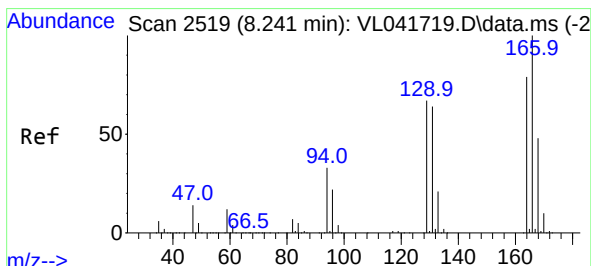
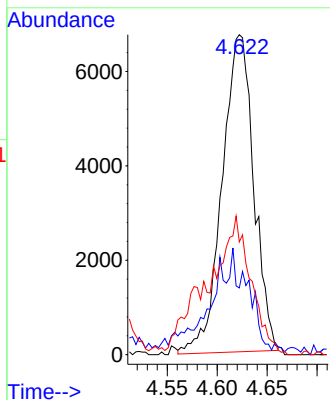
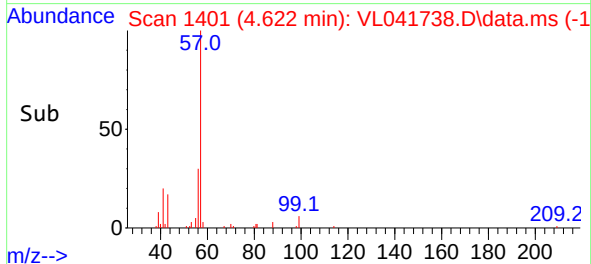
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 1481
Ion Ratio Lower Upper
57 100
41 40.3 17.2 25.8
56 60.8 26.6 40.0

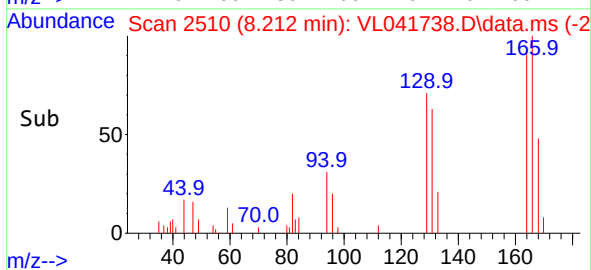
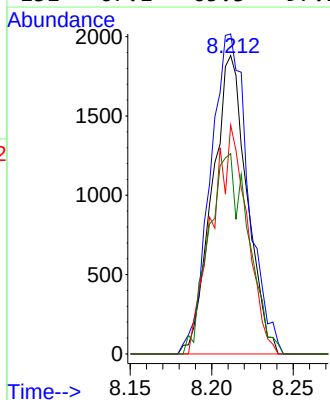
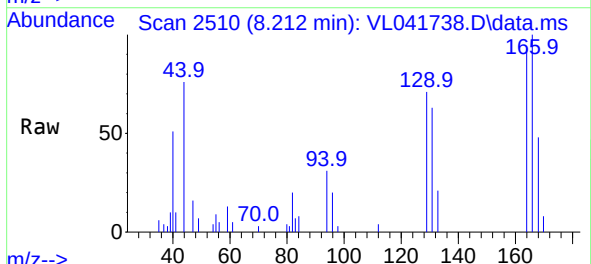
Manual Integrations
APPROVED

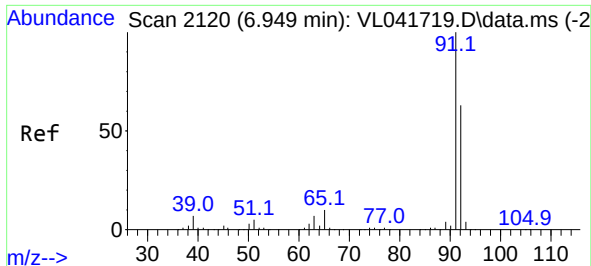
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#52
Tetrachloroethene
Concen: 0.056 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. -0.029 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

Tgt Ion:164 Resp: 2785
Ion Ratio Lower Upper
164 100
166 107.2 101.4 152.0
129 76.7 67.6 101.4
131 67.1 65.3 97.9





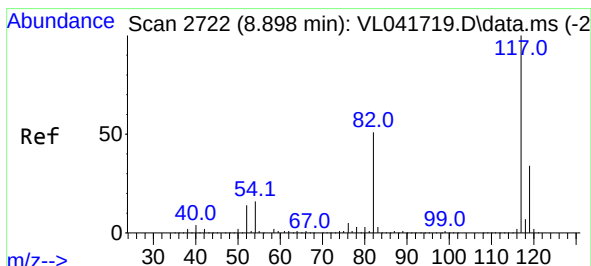
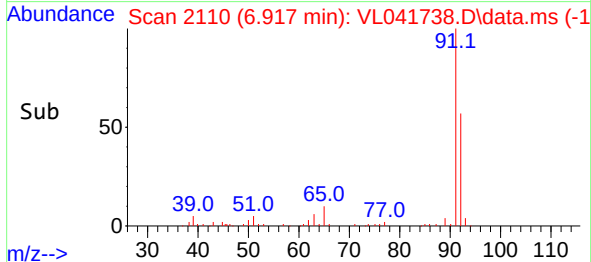
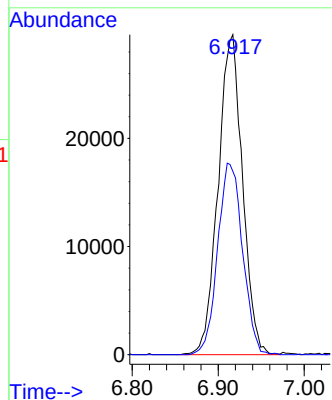
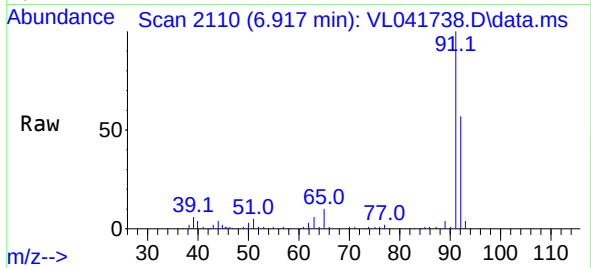
#53
Toluene
Concen: 0.501 ppbv
RT: 6.917 min Scan# 2110
Delta R.T. -0.032 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 5819
Ion Ratio Lower Upper
91 100
92 61.2 49.7 74.5

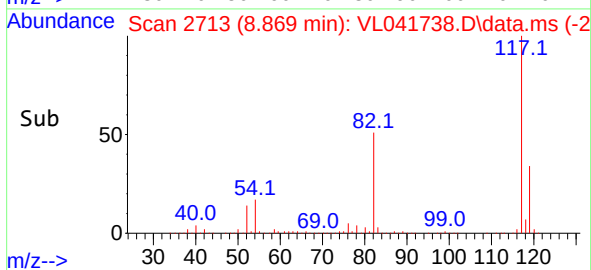
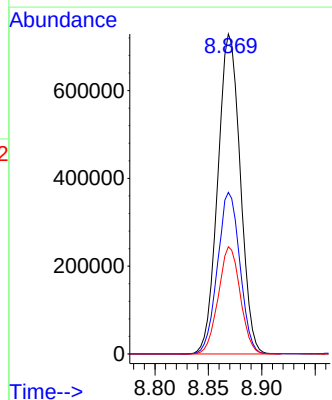
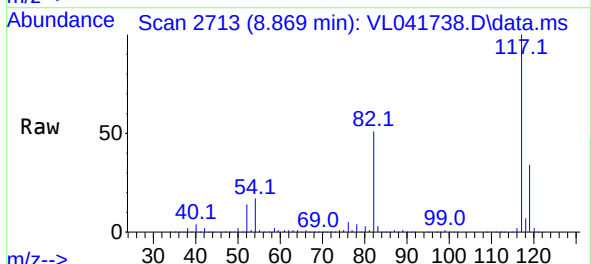
Manual Integrations
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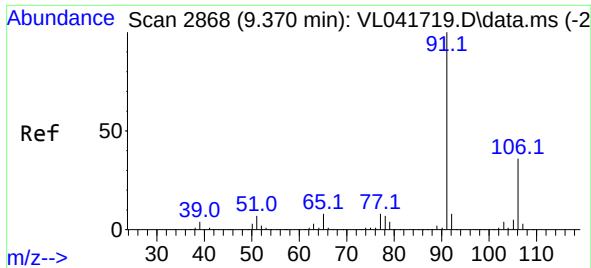
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.029 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

Tgt Ion:117 Resp: 1066555
Ion Ratio Lower Upper
117 100
82 50.4 41.3 61.9
119 32.9 25.8 38.8





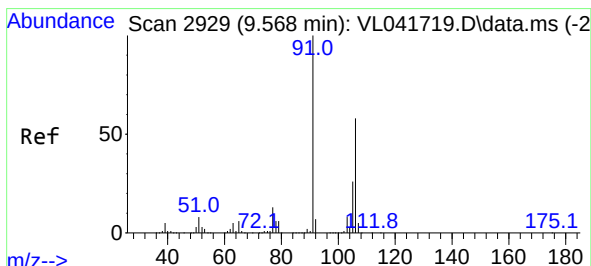
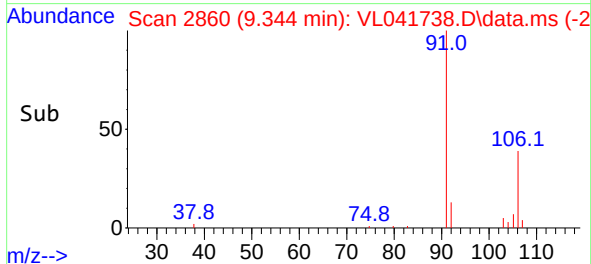
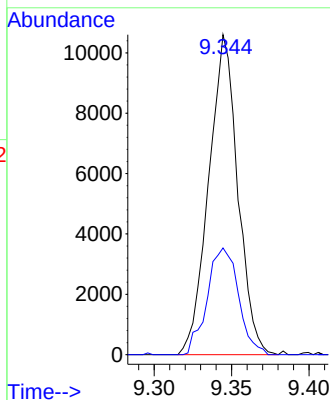
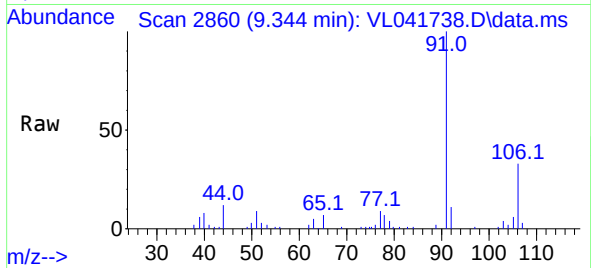
#58
Ethyl Benzene
Concen: 0.097 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.026 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 13838
Ion Ratio Lower Upper
91 100
106 33.4 28.6 43.0

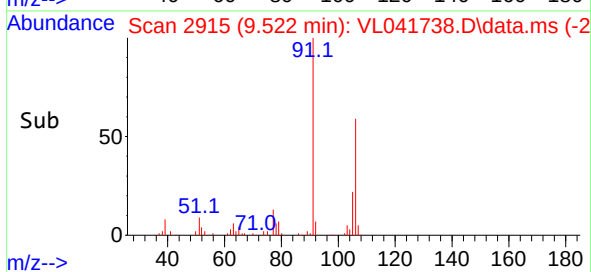
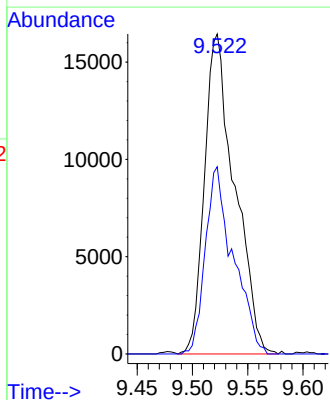
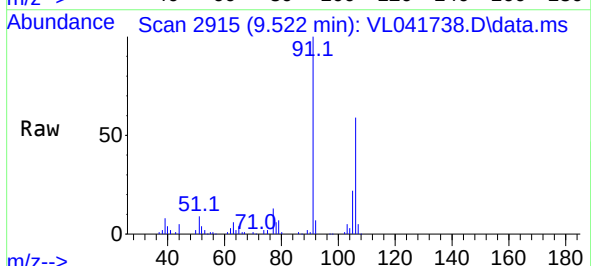
Manual Integrations
APPROVED

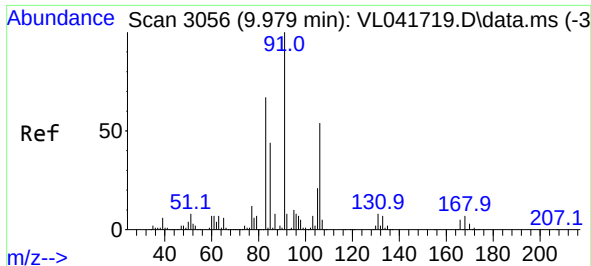
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#59
m/p-Xylene
Concen: 0.285 ppbv
RT: 9.522 min Scan# 2915
Delta R.T. -0.045 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

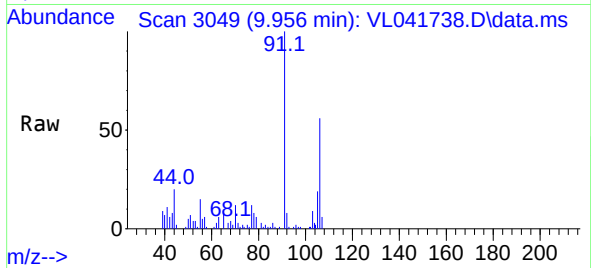
Tgt Ion: 91 Resp: 31184
Ion Ratio Lower Upper
91 100
106 54.2 45.1 67.7





#60
o-Xylene
Concen: 0.123 ppbv
RT: 9.956 min Scan# 3056
Delta R.T. -0.023 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

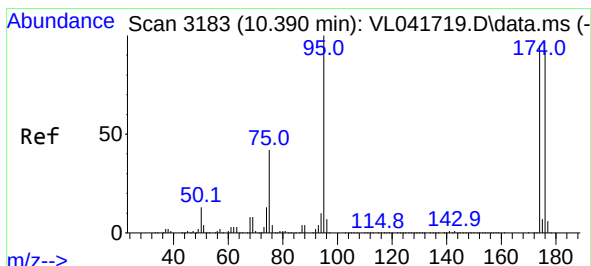
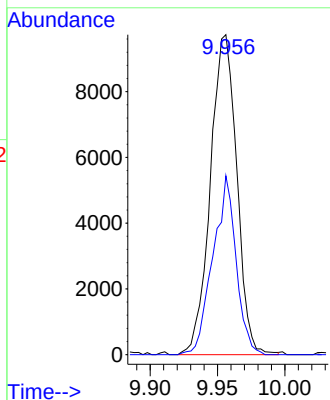
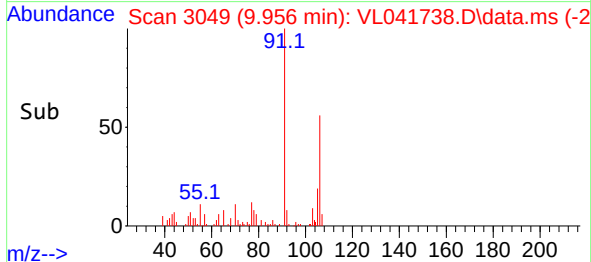
Instrument :
MSVOA_L
ClientSampleId :
IA1



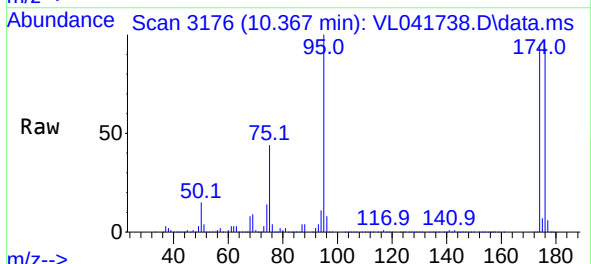
Tgt Ion: 91 Resp: 13300
Ion Ratio Lower Upper
91 100
106 48.9 26.8 80.4

Manual Integrations
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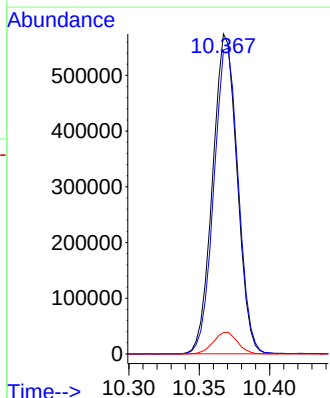
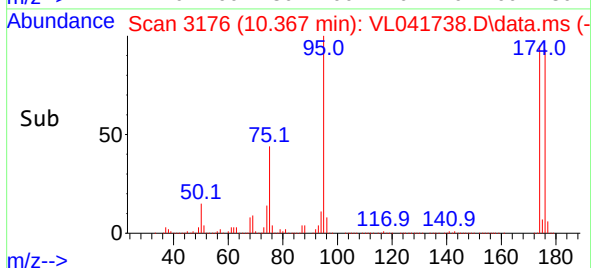
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024

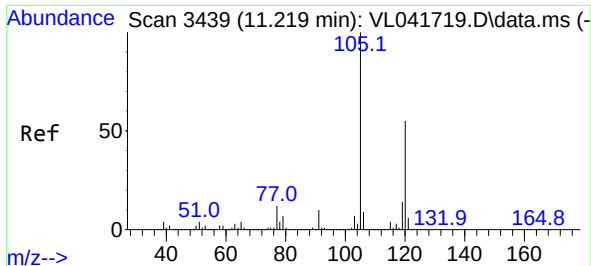


#68
1-Bromo-4-Fluorobenzene
Concen: 9.921 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.023 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52



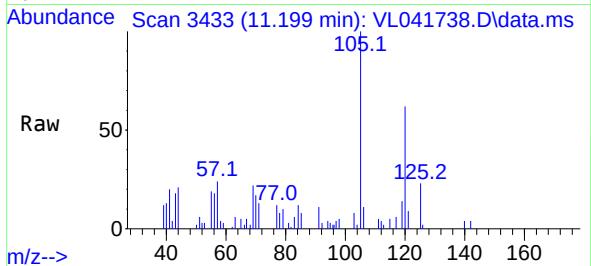
Tgt Ion: 95 Resp: 695618
Ion Ratio Lower Upper
95 100
174 95.9 76.7 115.1
175 6.7 5.4 8.2





#73
1,3,5-Trimethylbenzene
Concen: 0.050 ppbv
RT: 11.199 min Scan# 3439
Delta R.T. -0.019 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52

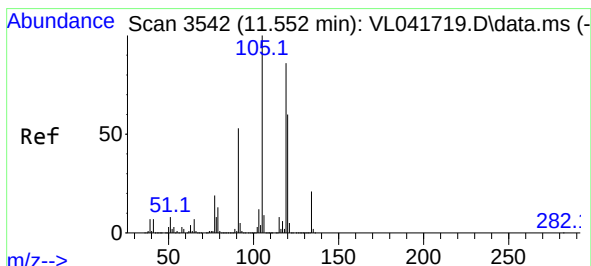
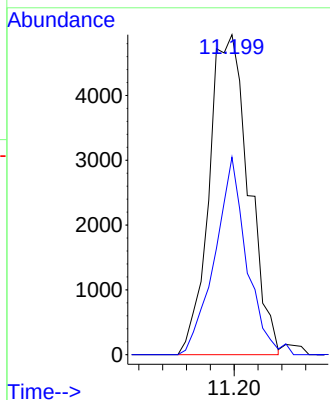
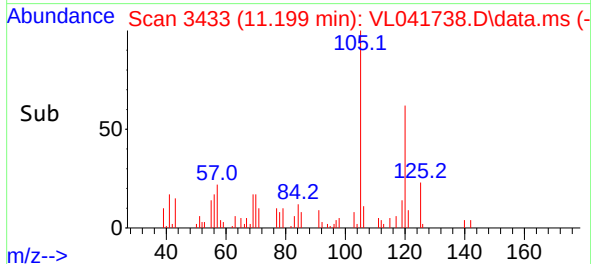
Instrument :
MSVOA_L
ClientSampleId :
IA1



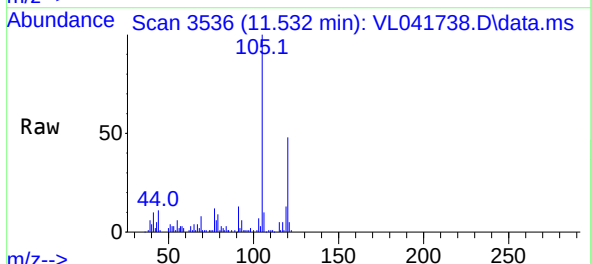
Tgt Ion:105 Resp: 5680
Ion Ratio Lower Upper
105 100
120 61.7 43.6 65.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.148 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.019 min
Lab File: VL041738.D
Acq: 12 Dec 2024 07:52



Tgt Ion:105 Resp: 18238
Ion Ratio Lower Upper
105 100
120 48.0 47.8 71.6
91 12.3 42.5 63.7#
77 10.6 15.4 23.2#

