

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL041005.D
 Acq On : 23 Jan 2024 20:49
 Operator : SY/MD
 Sample : P1211-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 01:01:41 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Wed Jan 24 00:50:15 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	946587	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2573211	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.423	117	2305446	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.735	95	1835116	10.539	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	28887	0.138	ppbv	99
4) Chloromethane	2.771	50	25040	0.420	ppbv #	44
7) Chloroethane	3.169	64	4056	0.193	ppbv	89
9) Propene	2.674	41	34036m	0.652	ppbv	
10) Heptane	7.542	43	15225	0.118	ppbv	87
11) Trichlorofluoromethane	3.539	101	15289	0.091	ppbv #	83
13) Ethanol	3.211	45	556609	44.722	ppbv	93
15) Acetone	3.443	43	1122095	9.270	ppbv	98
19) Isopropyl Alcohol	3.549	45	4413435	62.986	ppbv #	96
20) Methylene Chloride	3.909	84	154111	3.309	ppbv	92
26) Hexane	5.182	57	160284	1.713	ppbv #	38
27) Carbon Disulfide	4.092	76	10215m	0.084	ppbv	
34) 2-Butanone	4.761	43	105061	0.857	ppbv	100
41) Tetrahydrofuran	5.529	42	46512	0.559	ppbv #	89
51) 2-Hexanone	9.523	43	51011m	0.328	ppbv	
52) Tetrachloroethene	10.568	164	24435m	0.346	ppbv	
53) Toluene	9.185	91	111084	0.477	ppbv	100
58) Ethyl Benzene	12.047	91	44949m	0.145	ppbv	
59) m/p-Xylene	12.294	91	149854m	0.555	ppbv	
60) o-Xylene	13.011	91	56118	0.217	ppbv	100
73) 1,3,5-Trimethylbenzene	15.307	105	26307m	0.102	ppbv	
74) 1,2,4-Trimethylbenzene	16.059	105	109467m	0.376	ppbv	

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

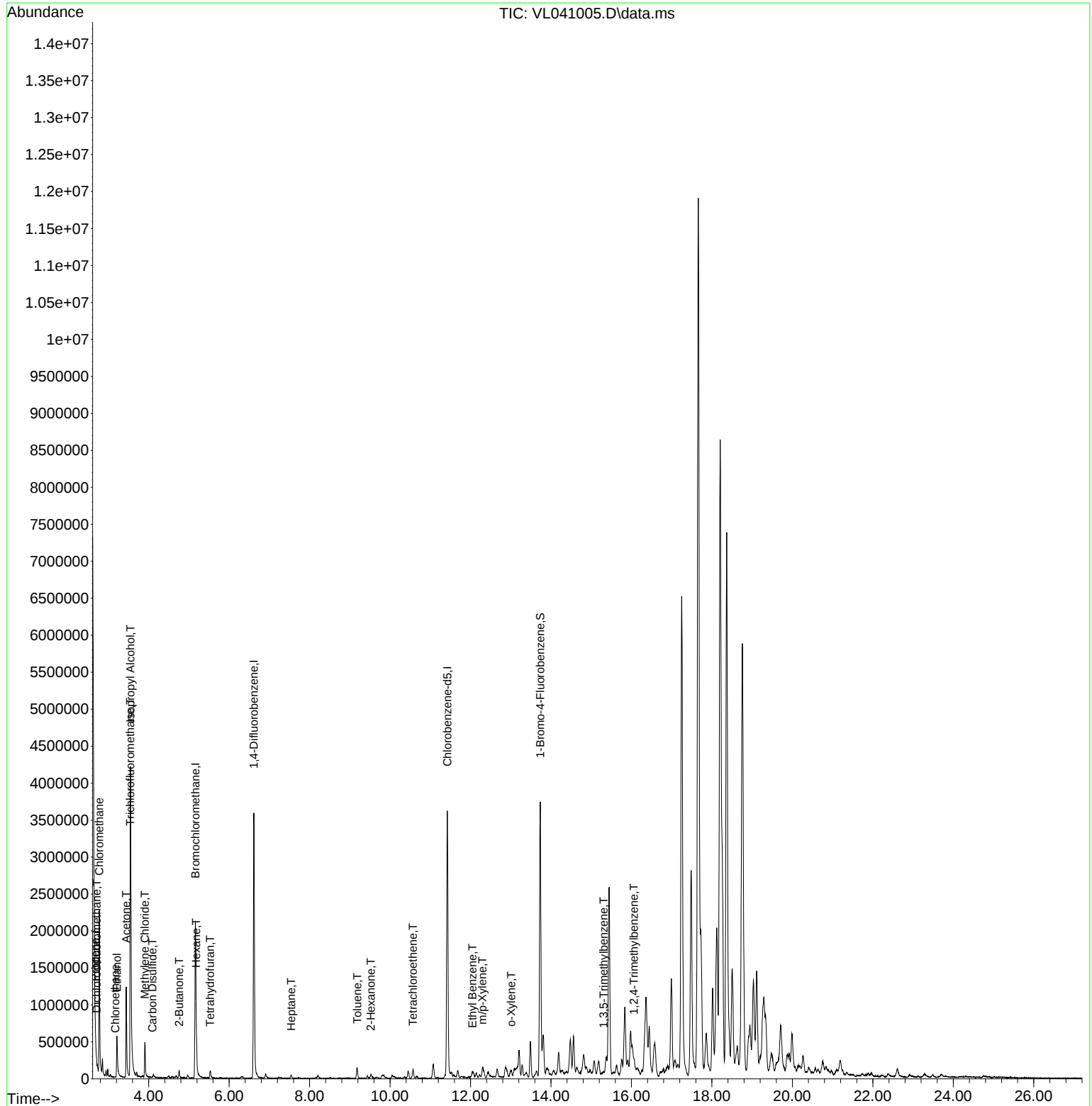
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
Data File : VL041005.D
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

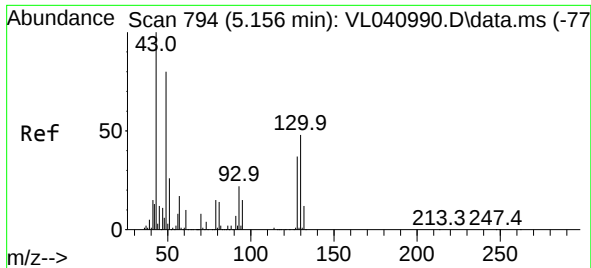
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jan 24 01:01:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jan 24 00:50:15 2024
Response via : Initial Calibration

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 01/24/2024
Supervised By : Mahesh Dadoda 01/24/2024





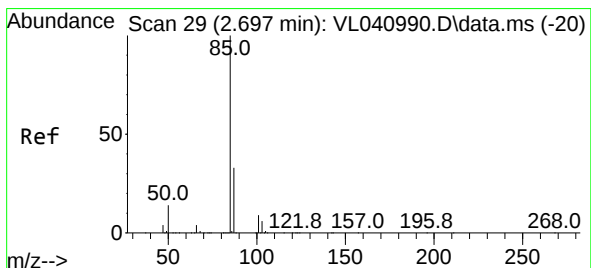
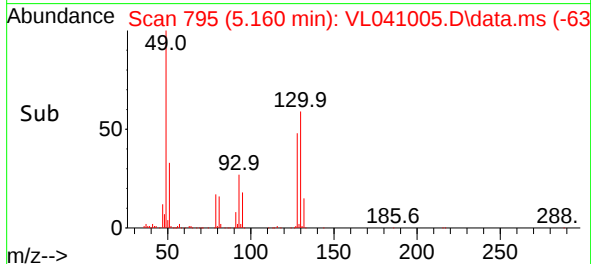
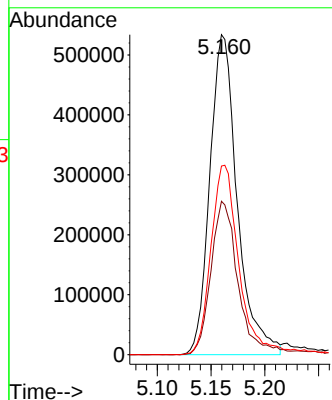
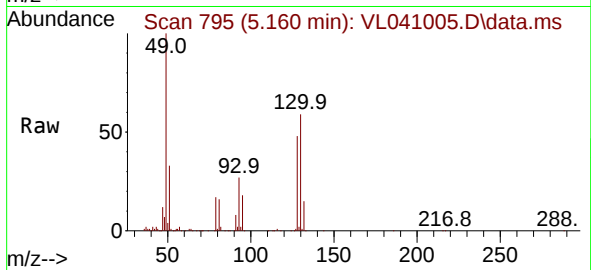
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 794
Delta R.T. 0.004 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 94658
Ion Ratio Lower Upper
49 100
128 49.6 23.9 71.7
130 62.4 31.1 93.5

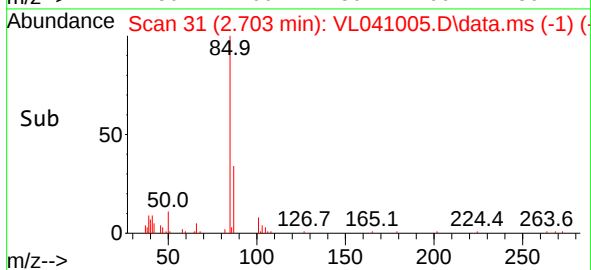
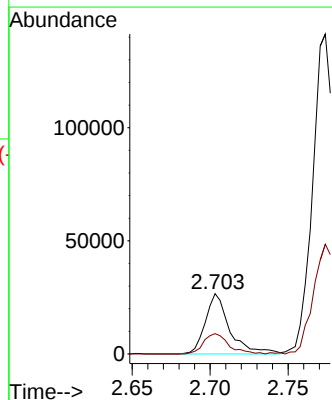
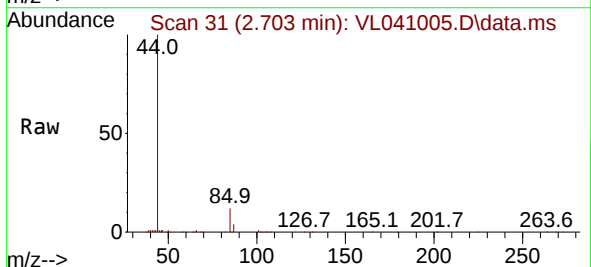
Manual Integrations
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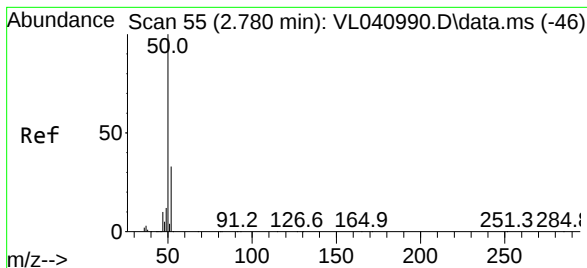
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#2
Dichlorodifluoromethane
Concen: 0.138 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Tgt Ion: 85 Resp: 28887
Ion Ratio Lower Upper
85 100
87 33.7 26.3 39.5





#4

Chloromethane

Concen: 0.420 ppbv

RT: 2.771 min Scan# 51

Delta R.T. -0.010 min

Lab File: VL041005.D

Acq: 23 Jan 2024 20:49

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 50 Resp: 25040

Ion Ratio Lower Upper

50 100

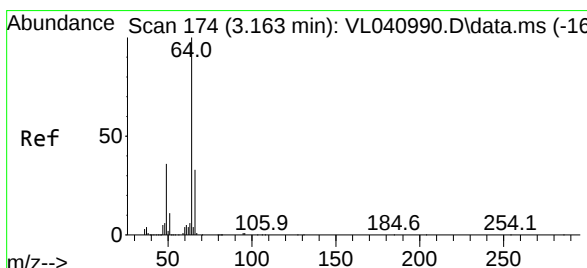
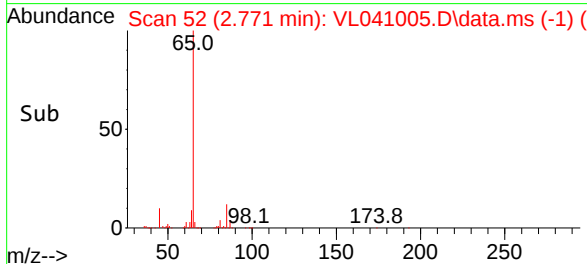
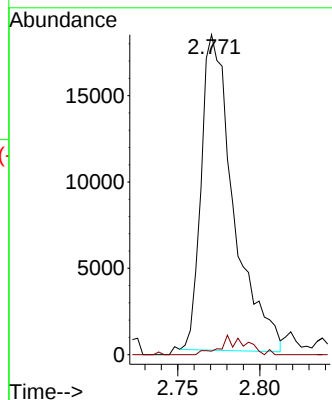
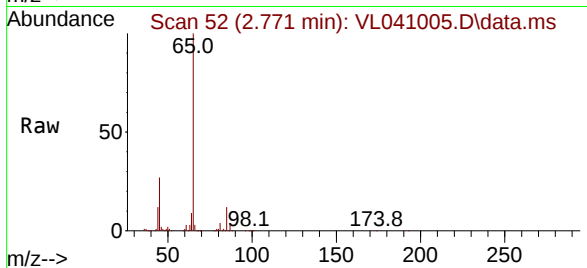
52 1.1 26.2 39.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#7

Chloroethane

Concen: 0.193 ppbv

RT: 3.169 min Scan# 176

Delta R.T. 0.006 min

Lab File: VL041005.D

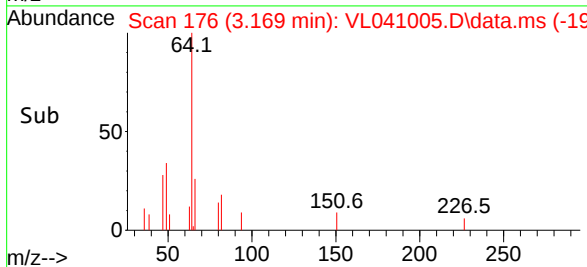
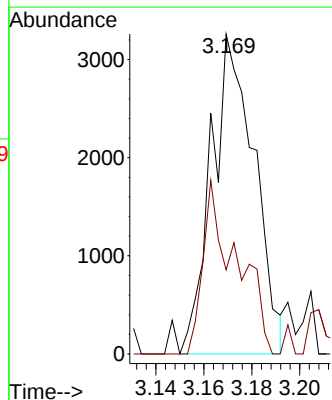
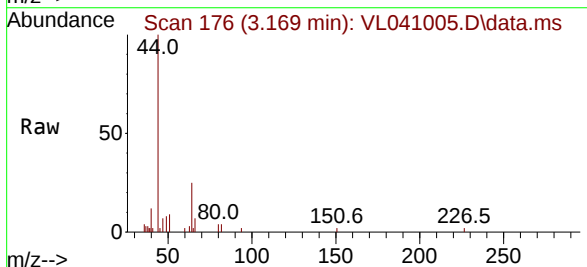
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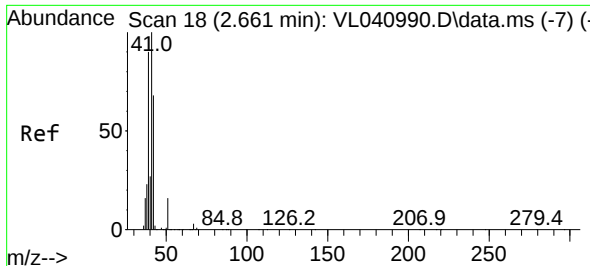
Tgt Ion: 64 Resp: 4056

Ion Ratio Lower Upper

64 100

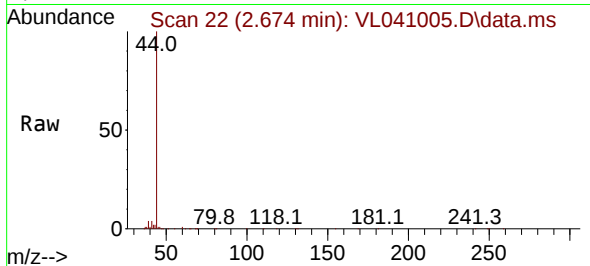
66 26.3 26.0 39.0





#9
 Propene
 Concen: 0.652 ppbv m
 RT: 2.674 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL041005.D
 Acq: 23 Jan 2024 20:49

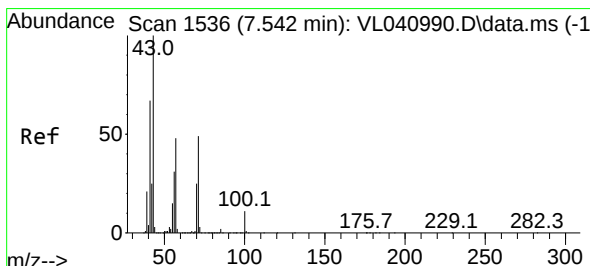
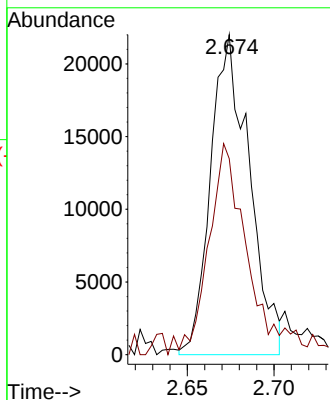
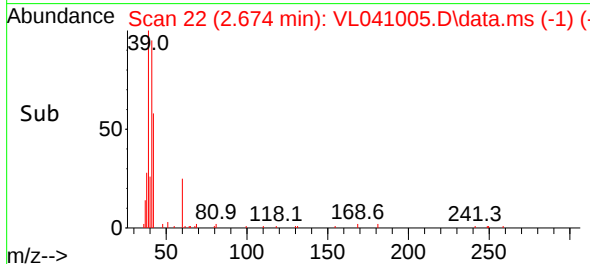
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



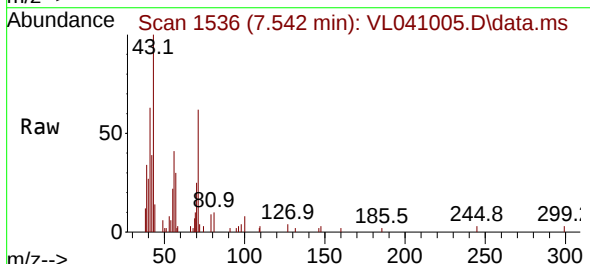
Tgt Ion: 41 Resp: 3403
 Ion Ratio Lower Upper
 41 100
 42 72.1 59.0 88.4

Manual Integrations
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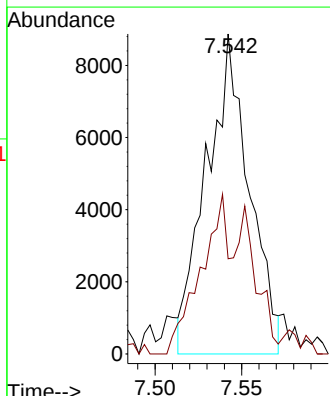
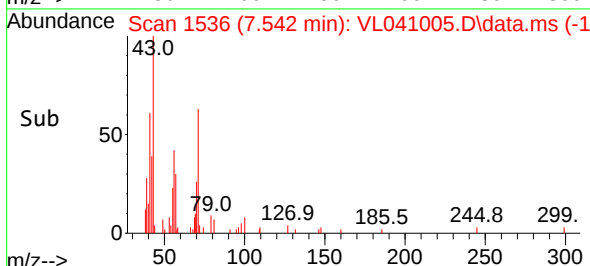
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

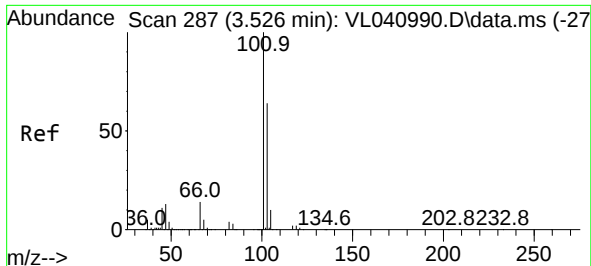


#10
 Heptane
 Concen: 0.118 ppbv
 RT: 7.542 min Scan# 1536
 Delta R.T. -0.000 min
 Lab File: VL041005.D
 Acq: 23 Jan 2024 20:49



Tgt Ion: 43 Resp: 15225
 Ion Ratio Lower Upper
 43 100
 57 58.3 39.4 59.2





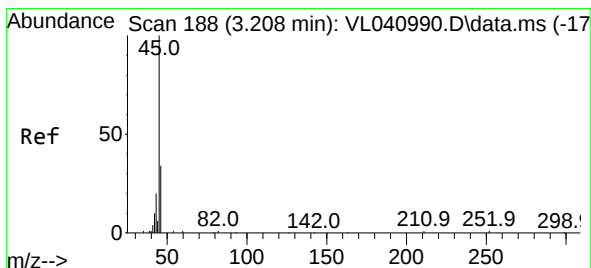
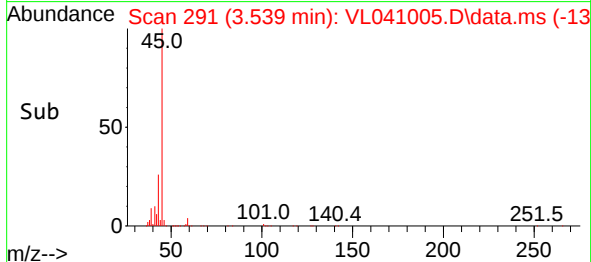
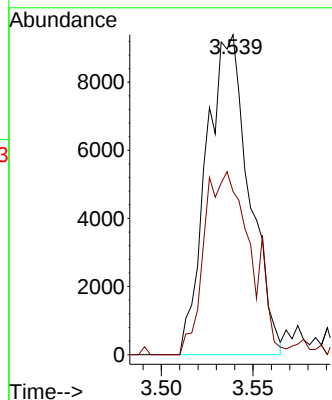
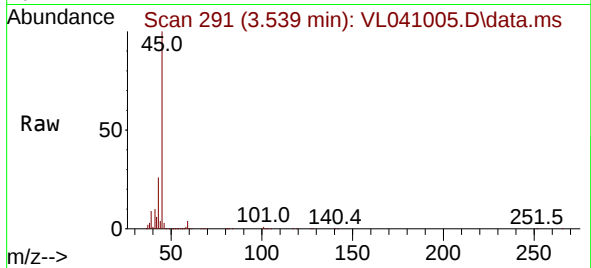
#11
Trichlorofluoromethane
Concen: 0.091 ppbv
RT: 3.539 min Scan# 291
Delta R.T. 0.013 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:101 Resp: 15289
Ion Ratio Lower Upper
101 100
103 51.1 51.4 77.2

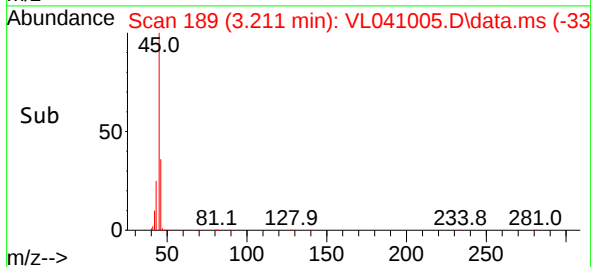
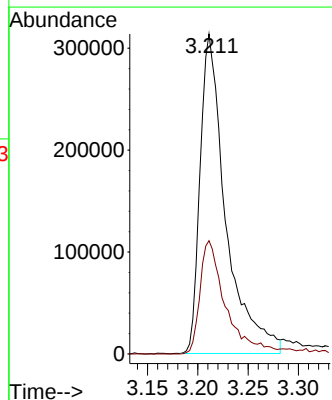
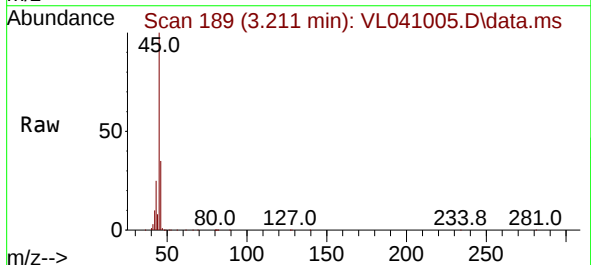
Manual Integrations
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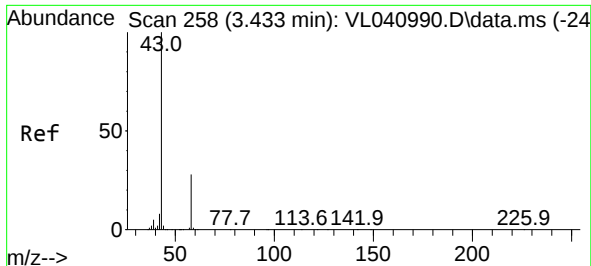
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#13
Ethanol
Concen: 44.722 ppbv
RT: 3.211 min Scan# 189
Delta R.T. 0.003 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Tgt Ion: 45 Resp: 556609
Ion Ratio Lower Upper
45 100
46 36.1 16.2 64.8





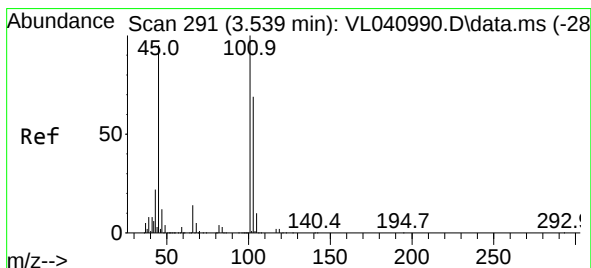
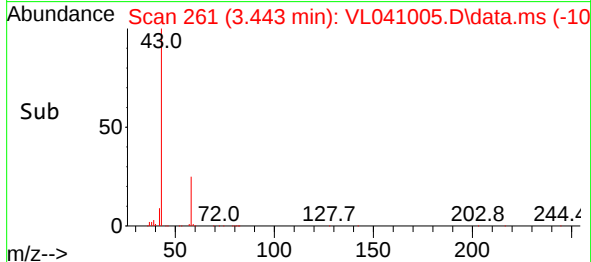
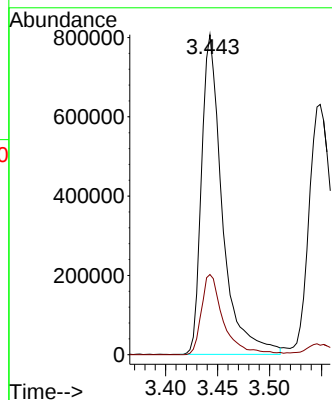
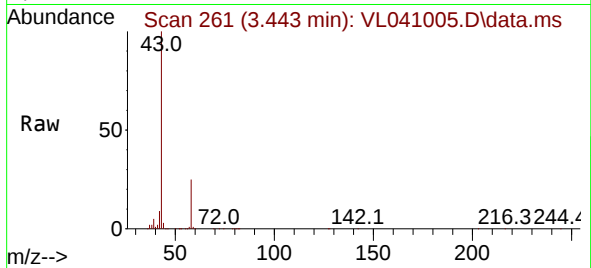
#15
Acetone
Concen: 9.270 ppbv
RT: 3.443 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 112209
Ion Ratio Lower Upper
43 100
58 26.5 22.2 33.2

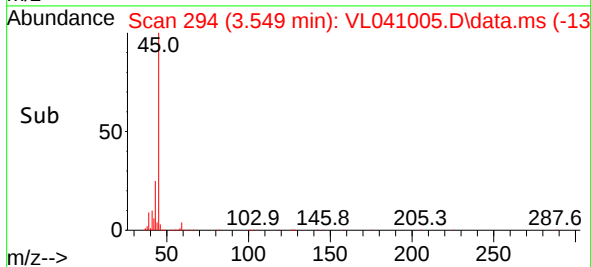
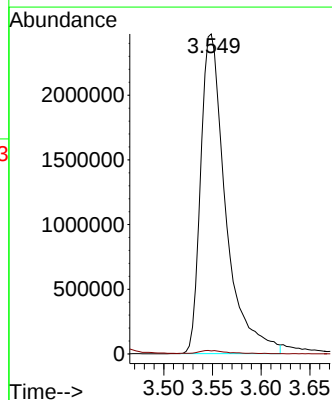
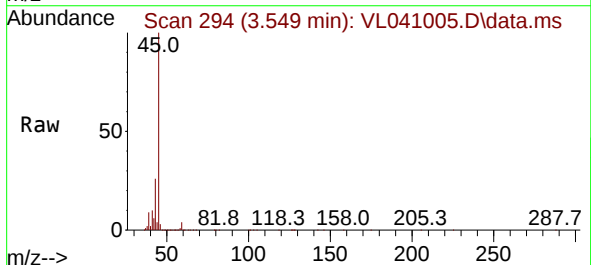
Manual Integrations
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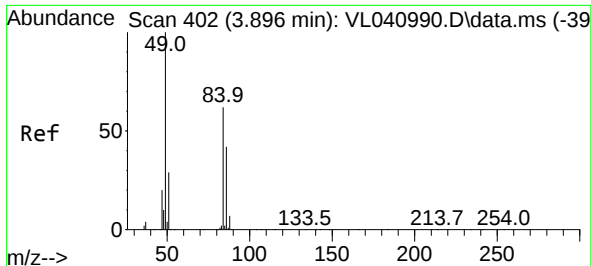
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#19
Isopropyl Alcohol
Concen: 62.986 ppbv
RT: 3.549 min Scan# 294
Delta R.T. 0.010 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

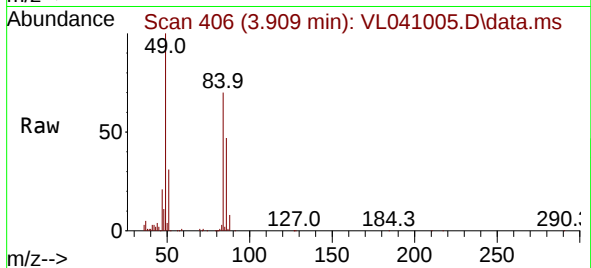
Tgt Ion: 45 Resp: 4413435
Ion Ratio Lower Upper
45 100
58 1.6 2.2 3.4#





#20
Methylene Chloride
Concen: 3.309 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.013 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

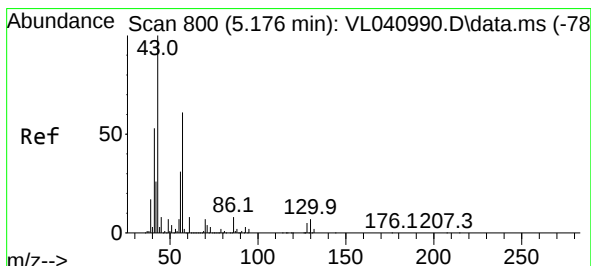
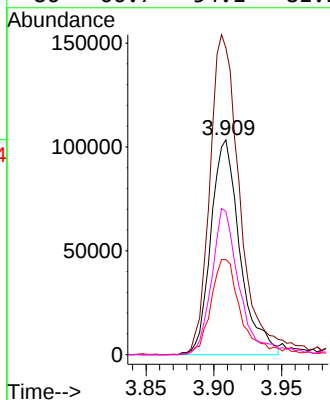
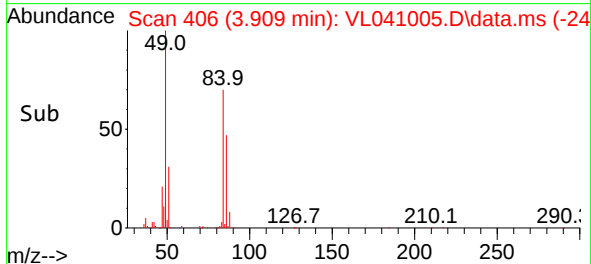
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 15411
Ion Ratio Lower Upper
84 100
49 142.6 128.1 192.1
51 44.3 36.5 54.7
86 66.7 54.1 81.1

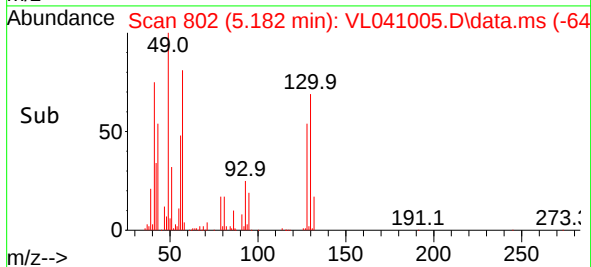
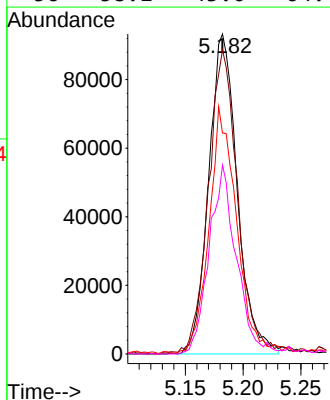
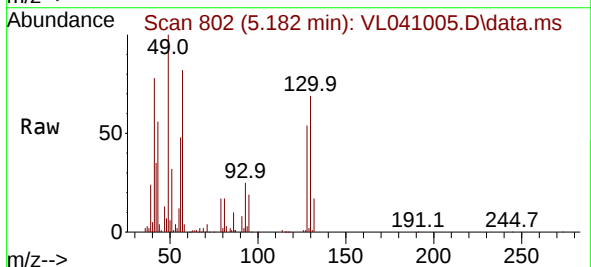
Manual Integrations
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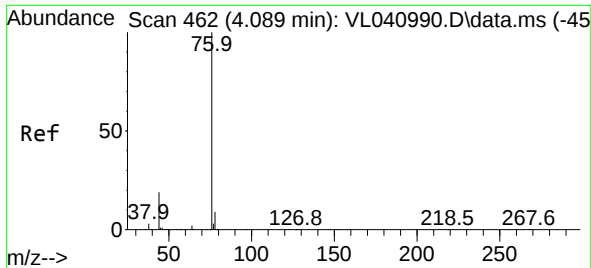
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#26
Hexane
Concen: 1.713 ppbv
RT: 5.182 min Scan# 802
Delta R.T. 0.006 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Tgt Ion: 57 Resp: 160284
Ion Ratio Lower Upper
57 100
41 100.5 74.4 111.6
43 76.9 190.6 285.8#
56 58.1 43.0 64.4





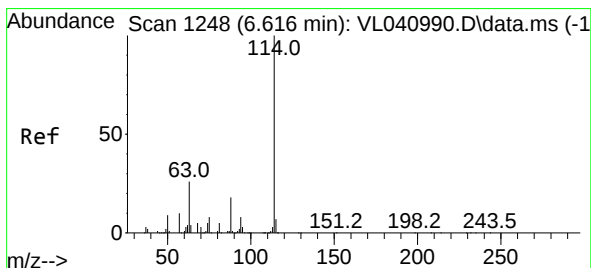
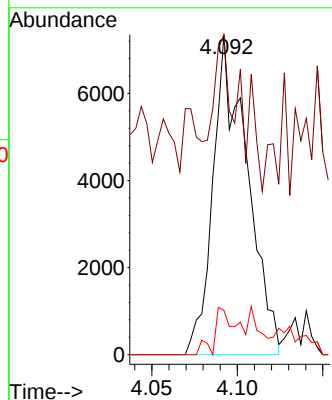
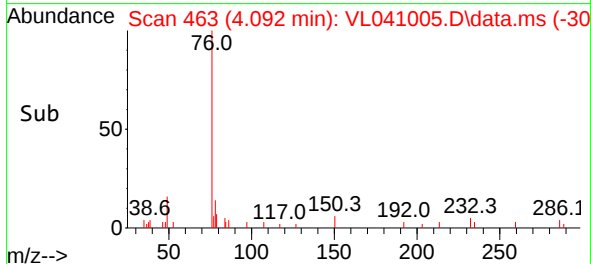
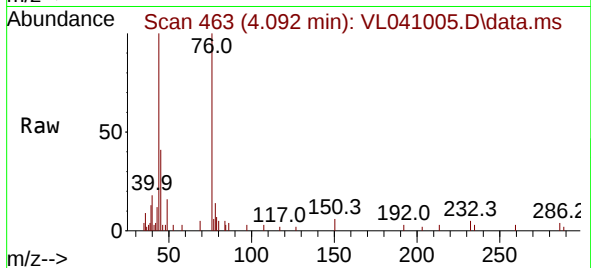
#27
Carbon Disulfide
Concen: 0.084 ppbv m
RT: 4.092 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 76 Resp: 10215
Ion Ratio Lower Upper
76 100
44 64.6 16.0 24.0
78 0.0 7.8 11.8

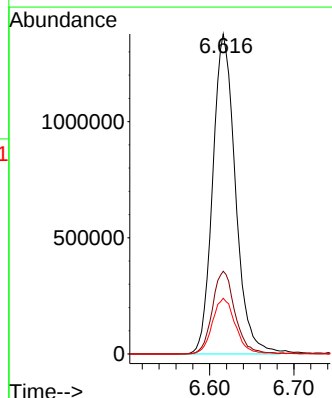
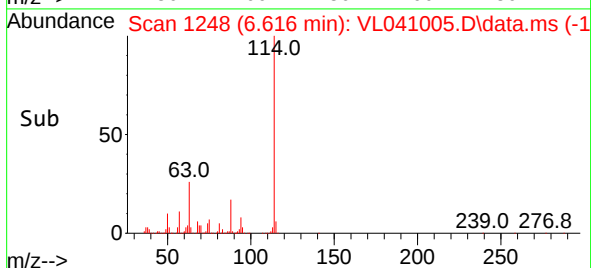
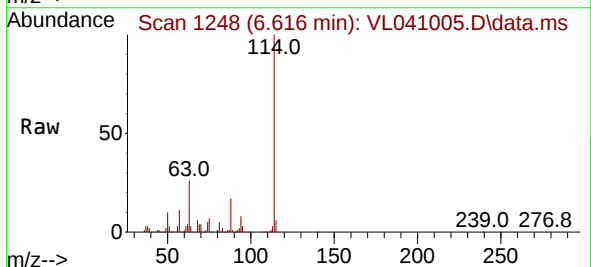
Manual Integrations
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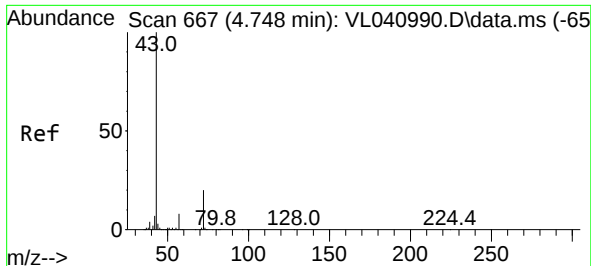
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.616 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

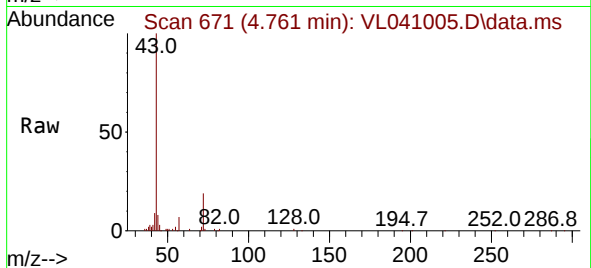
Tgt Ion:114 Resp: 2573211
Ion Ratio Lower Upper
114 100
63 26.2 20.8 31.2
88 17.9 14.3 21.5





#34
2-Butanone
Concen: 0.857 ppbv
RT: 4.761 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

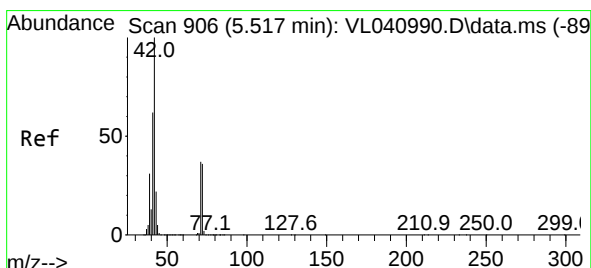
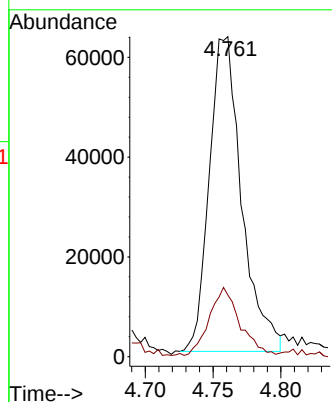
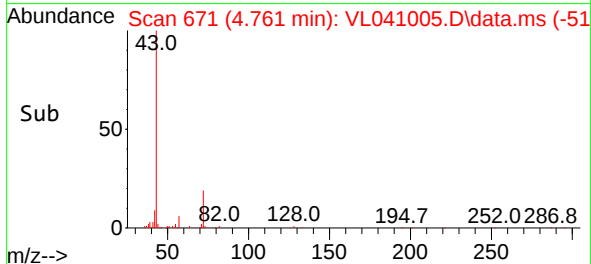
Instrument :
MSVOA_L
ClientSampleId :
SV1



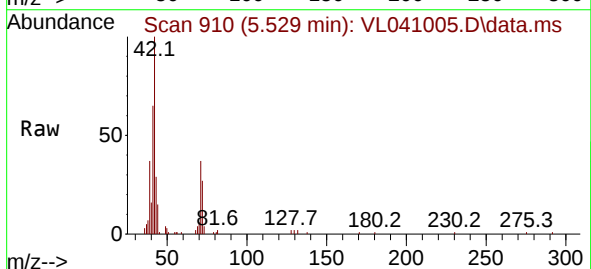
Tgt Ion: 43 Resp: 10506
Ion Ratio Lower Upper
43 100
72 21.7 17.5 26.3

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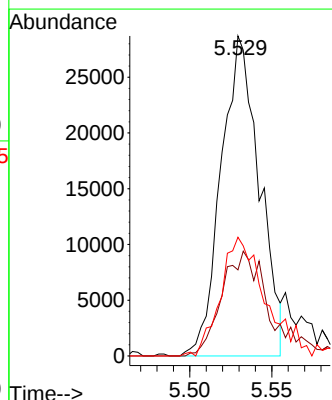
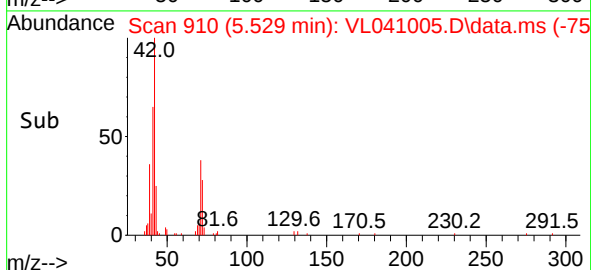
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

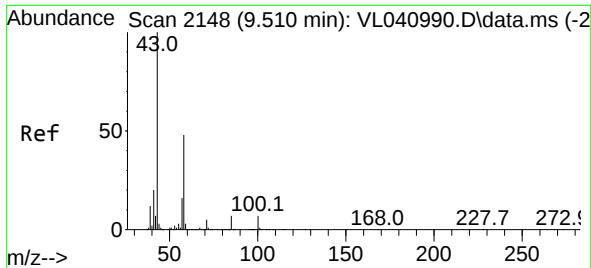


#41
Tetrahydrofuran
Concen: 0.559 ppbv
RT: 5.529 min Scan# 910
Delta R.T. 0.013 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49



Tgt Ion: 42 Resp: 46512
Ion Ratio Lower Upper
42 100
72 41.7 30.0 45.0
71 46.1 29.5 44.3#





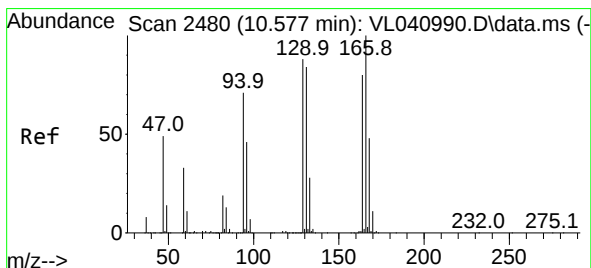
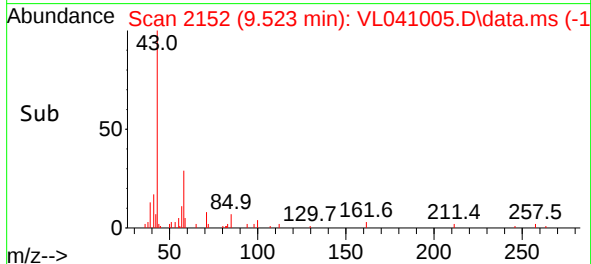
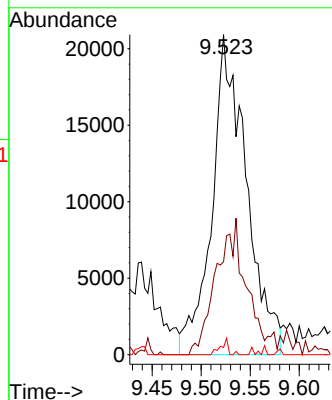
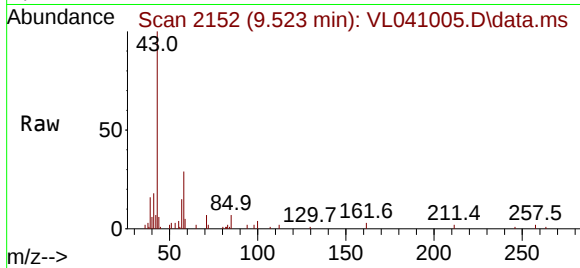
#51
2-Hexanone
Concen: 0.328 ppbv m
RT: 9.523 min Scan# 2148
Delta R.T. 0.013 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 5101
Ion Ratio Lower Upper
43 100
58 0.0 36.8 55.2
98 1.1 0.3 0.5

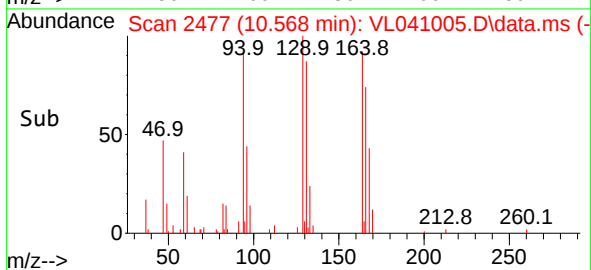
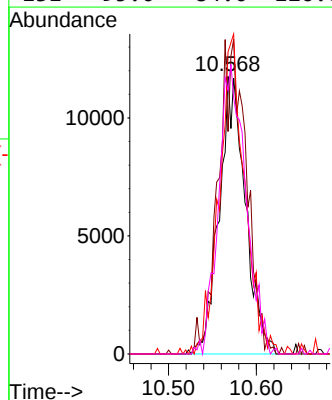
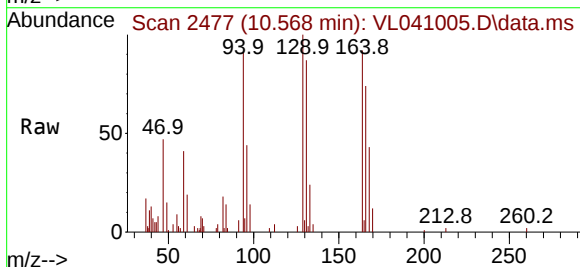
Manual Integrations
APPROVED

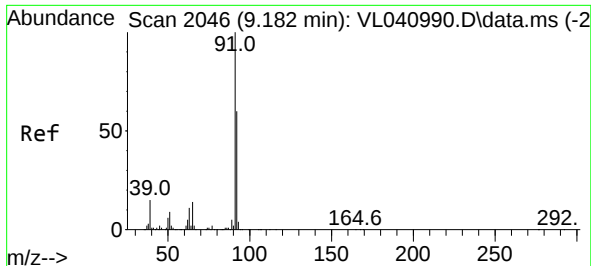
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#52
Tetrachloroethene
Concen: 0.346 ppbv m
RT: 10.568 min Scan# 2477
Delta R.T. -0.010 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

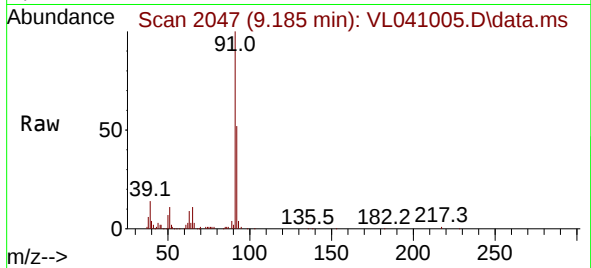
Tgt Ion:164 Resp: 24435
Ion Ratio Lower Upper
164 100
166 80.1 100.2 150.2#
129 108.8 87.9 131.9
131 95.0 84.0 126.0





#53
Toluene
Concen: 0.477 ppbv
RT: 9.185 min Scan# 2046
Delta R.T. 0.003 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

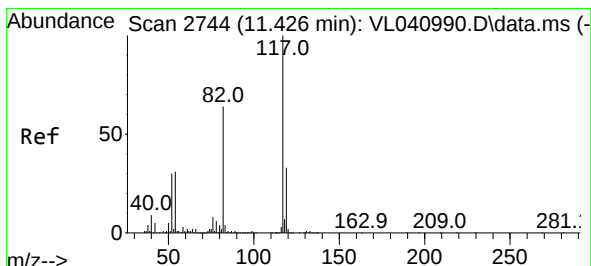
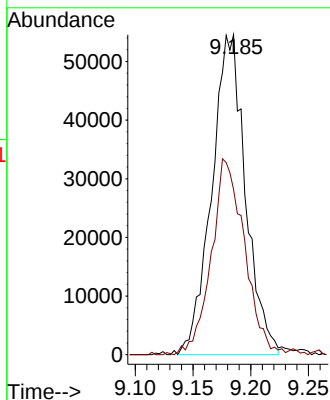
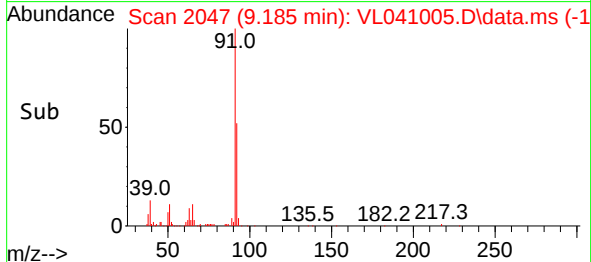
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 111084
Ion Ratio Lower Upper
91 100
92 60.5 48.6 72.8

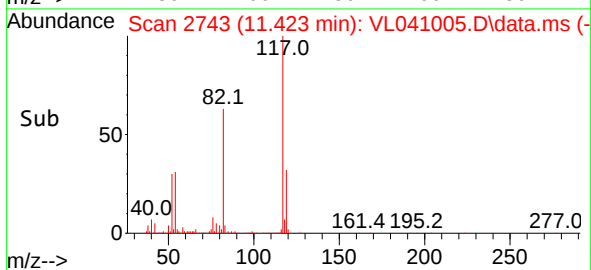
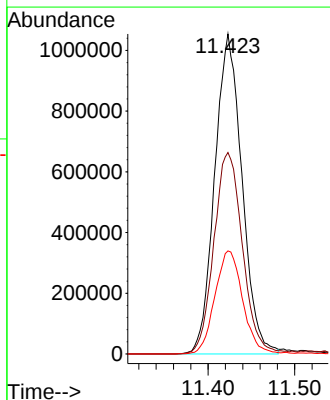
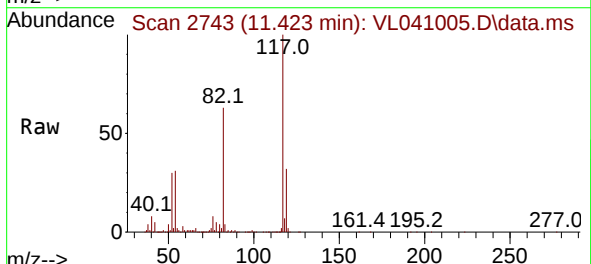
Manual Integrations
APPROVED

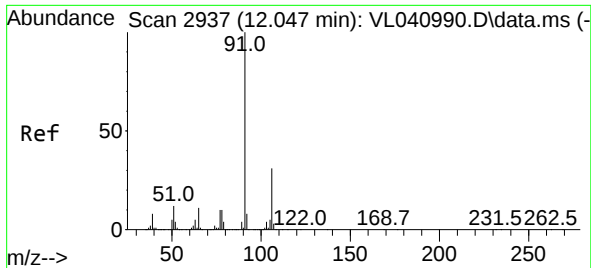
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.423 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

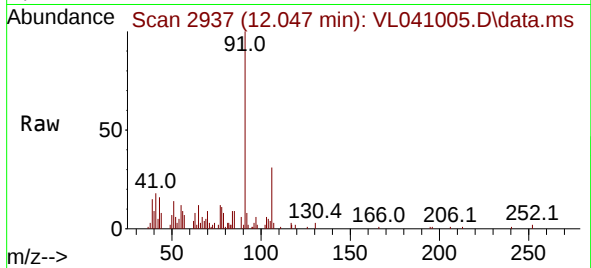
Tgt Ion:117 Resp: 2305446
Ion Ratio Lower Upper
117 100
82 66.2 51.7 77.5
119 33.2 23.8 35.6





#58
Ethyl Benzene
Concen: 0.145 ppbv m
RT: 12.047 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

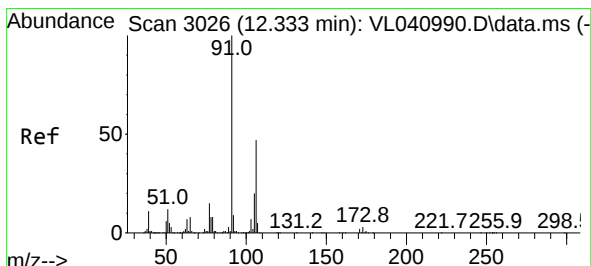
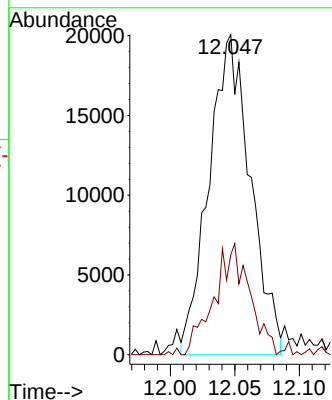
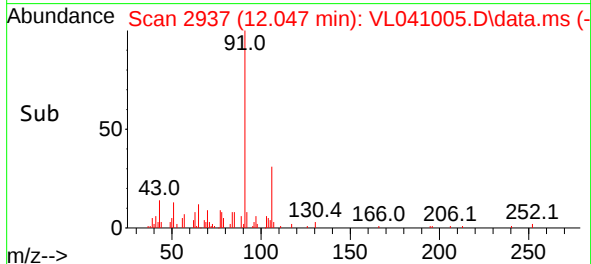
Instrument :
MSVOA_L
ClientSampleId :
SV1



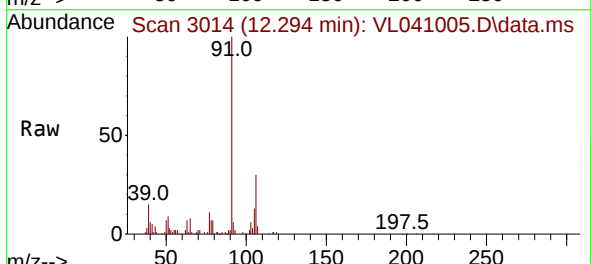
Tgt Ion: 91 Resp: 44949
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2

Manual Integrations
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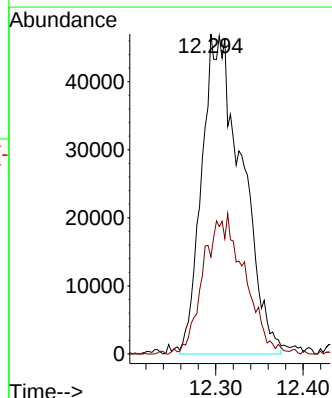
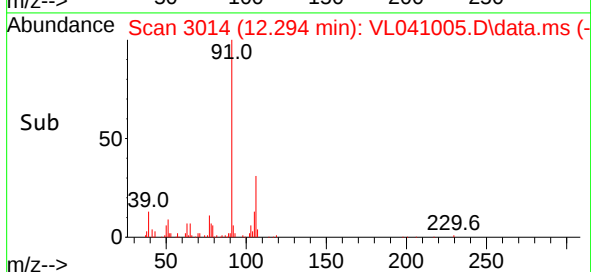
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

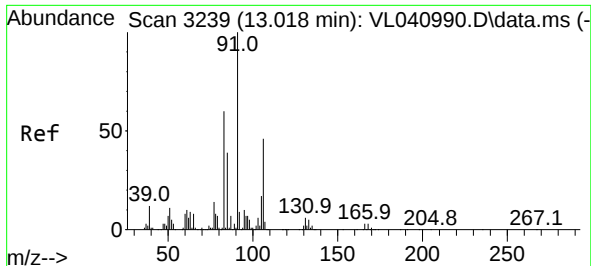


#59
m/p-Xylene
Concen: 0.555 ppbv m
RT: 12.294 min Scan# 3014
Delta R.T. -0.039 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49



Tgt Ion: 91 Resp: 149854
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3#





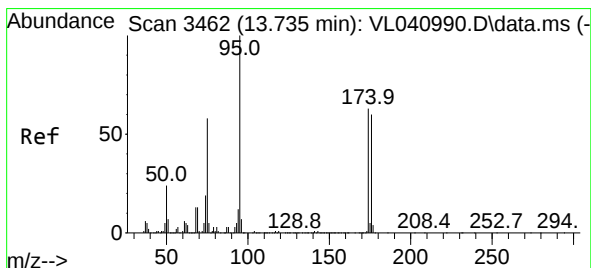
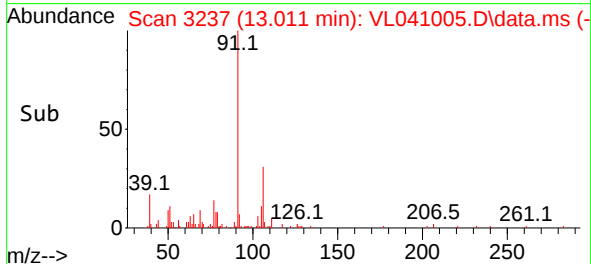
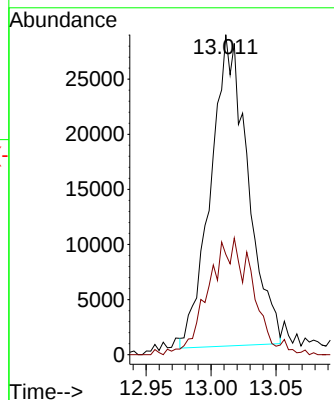
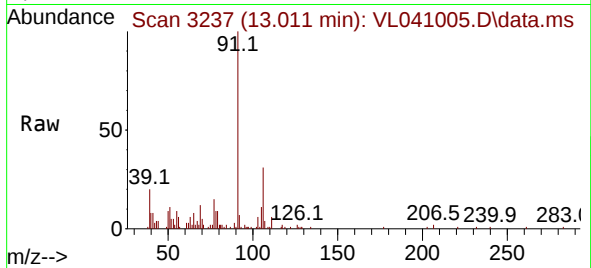
#60
o-Xylene
Concen: 0.217 ppbv
RT: 13.011 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 56118
Ion Ratio Lower Upper
91 100
106 44.9 22.6 67.7

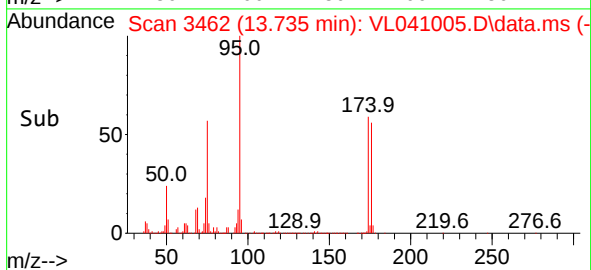
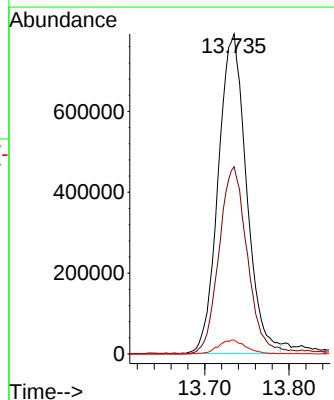
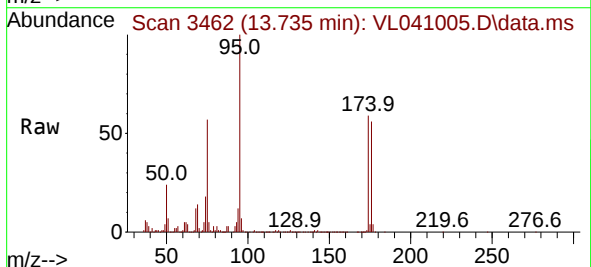
Manual Integrations
APPROVED

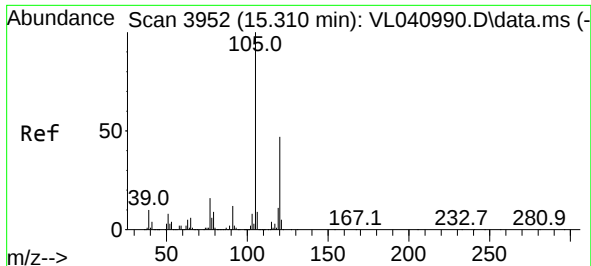
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.539 ppbv
RT: 13.735 min Scan# 3462
Delta R.T. -0.000 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

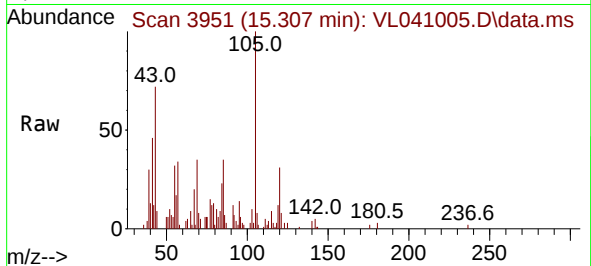
Tgt Ion: 95 Resp: 1835116
Ion Ratio Lower Upper
95 100
174 61.0 49.1 73.7
175 4.4 3.7 5.5





#73
1,3,5-Trimethylbenzene
Concen: 0.102 ppbv m
RT: 15.307 min Scan# 3951
Delta R.T. -0.003 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

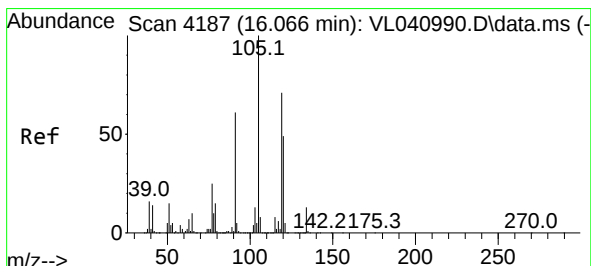
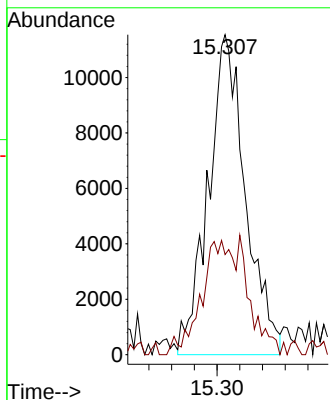
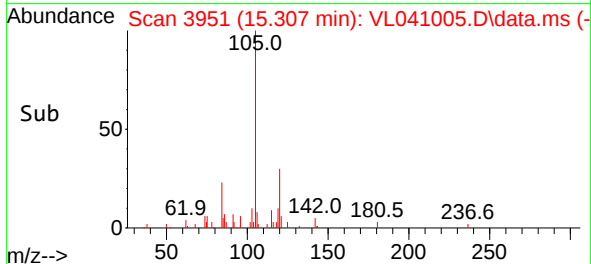
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:105 Resp: 26307
Ion Ratio Lower Upper
105 100
120 31.3 37.2 55.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.376 ppbv m
RT: 16.059 min Scan# 4185
Delta R.T. -0.007 min
Lab File: VL041005.D
Acq: 23 Jan 2024 20:49

Tgt Ion:105 Resp: 109467
Ion Ratio Lower Upper
105 100
120 43.7 39.3 58.9
91 11.5 48.7 73.1#
77 19.8 19.8 29.8#

