

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041139.D
 Acq On : 5 Apr 2024 00:13
 Operator : SY/MD
 Sample : P1986-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 05:15:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 05 04:49:46 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1223079	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	3344117	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.490	117	3050031	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	2344506	9.559	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.738	85	76268	0.365	ppbv	92
3) Chlorodifluoromethane	2.684	51	47960m	0.255	ppbv	
4) Chloromethane	2.822	50	47965	0.673	ppbv #	88
9) Propene	2.713	41	47484	0.792	ppbv #	77
11) Trichlorofluoromethane	3.578	101	40895	0.216	ppbv	90
13) Ethanol	3.250	45	2747942	192.785	ppbv	96
15) Acetone	3.478	43	4194265	31.671	ppbv	95
20) Methylene Chloride	3.951	84	764397	13.995	ppbv	99
26) Hexane	5.233	57	413975	3.710	ppbv #	46
34) 2-Butanone	4.806	43	93093	0.658	ppbv	93
35) Carbon Tetrachloride	6.523	117	11997m	0.063	ppbv	
36) Benzene	6.391	78	55155	0.225	ppbv	95
44) 2,2,4-Trimethylpentane	7.346	57	35510m	0.087	ppbv	
52) Tetrachloroethene	10.645	164	2648m	0.034	ppbv	
53) Toluene	9.246	91	292058	1.129	ppbv	100
59) m/p-Xylene	12.368	91	87387m	0.290	ppbv	
60) o-Xylene	13.085	91	37515m	0.131	ppbv	
74) 1,2,4-Trimethylbenzene	16.127	105	91279m	0.283	ppbv	

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

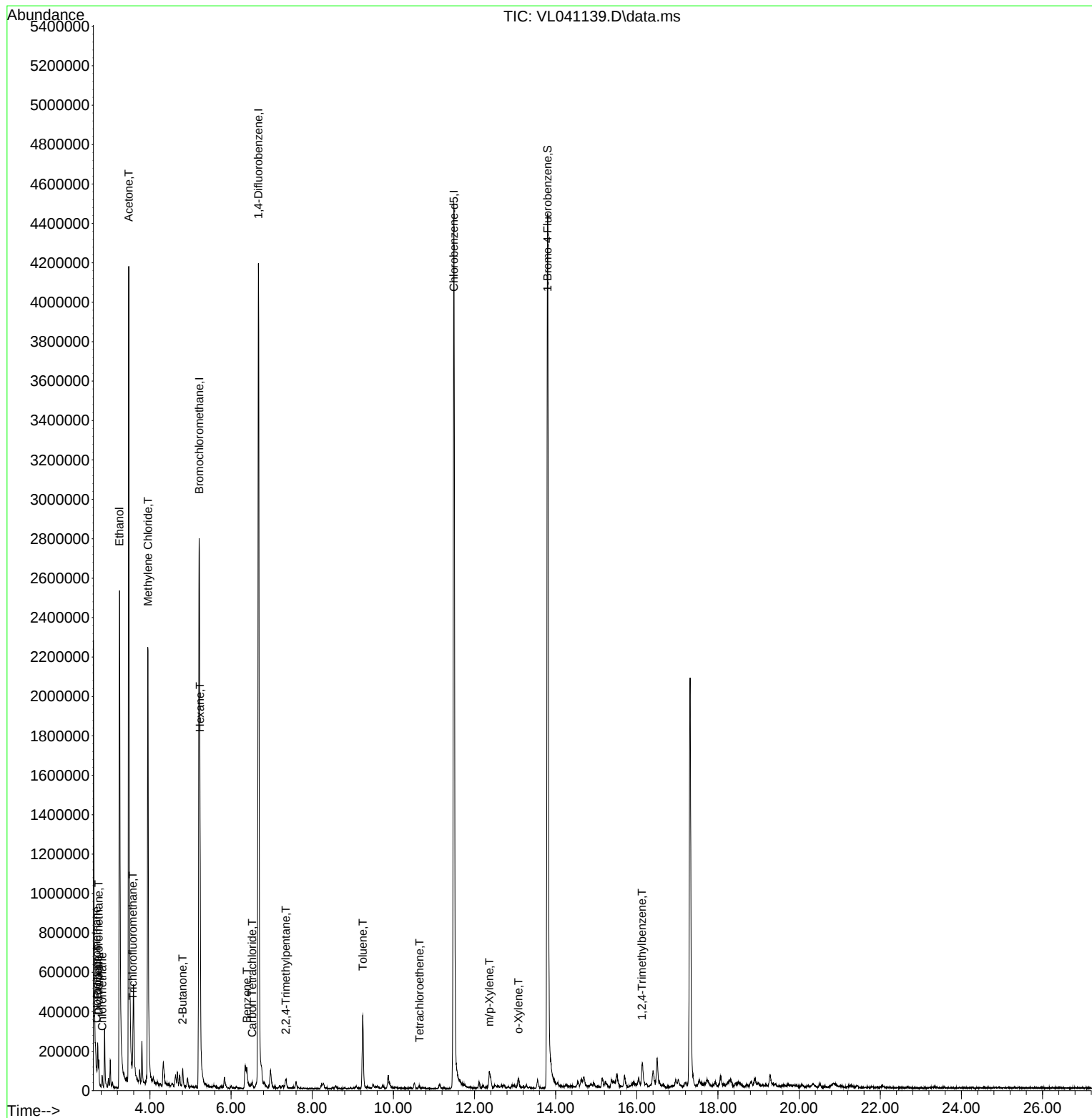
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
Data File : VL041139.D
Acq On : 5 Apr 2024 00:13
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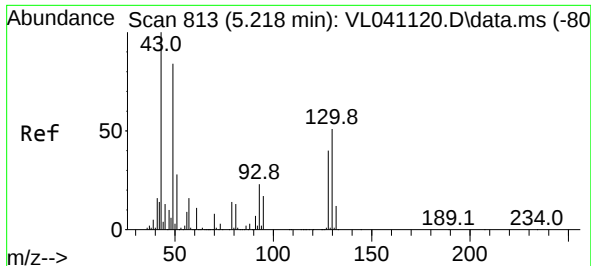
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Apr 05 05:15:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 05 04:49:46 2024
Response via : Initial Calibration

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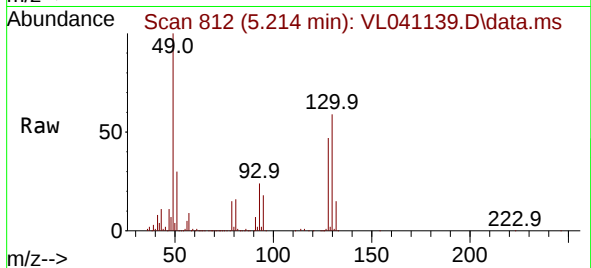
Reviewed By : Semsettin Yesilyurt 04/05/2024
Supervised By : Mahesh Dadoda 04/05/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

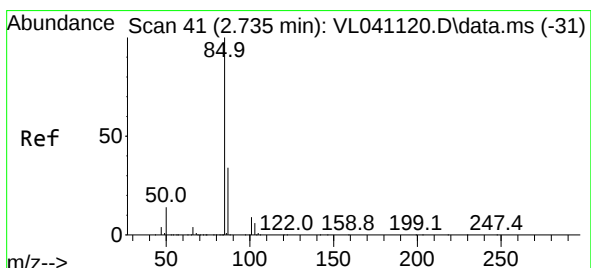
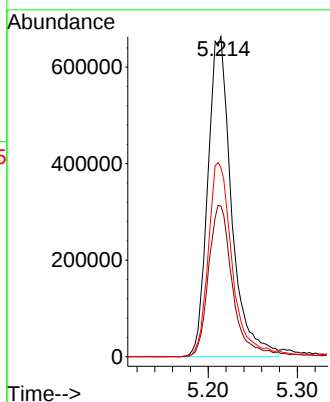
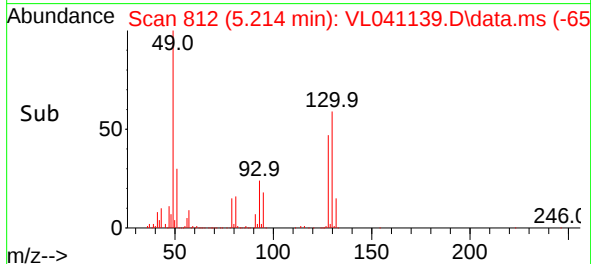
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 1223079
Ion Ratio Lower Upper
49 100
128 49.3 23.6 71.0
130 62.6 30.1 90.5

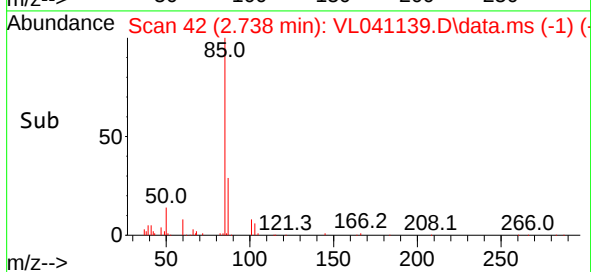
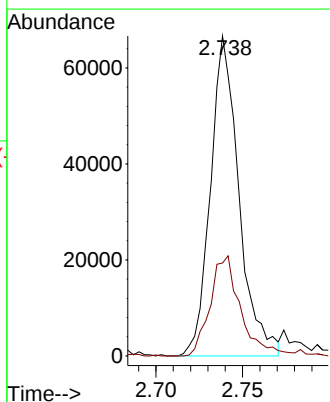
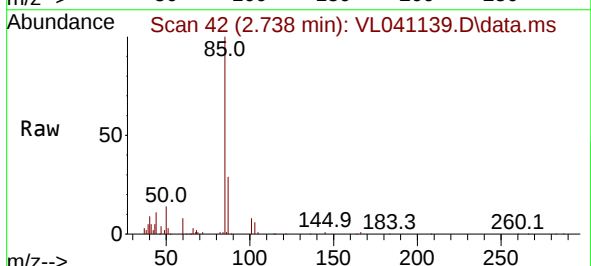
Manual Integrations
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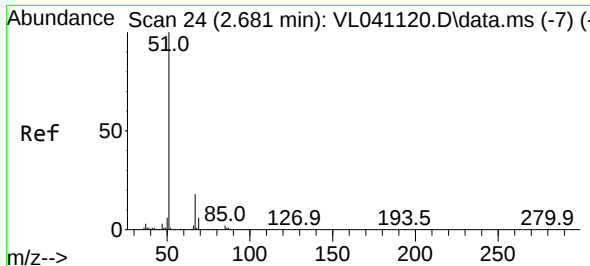
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#2
Dichlorodifluoromethane
Concen: 0.365 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.003 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

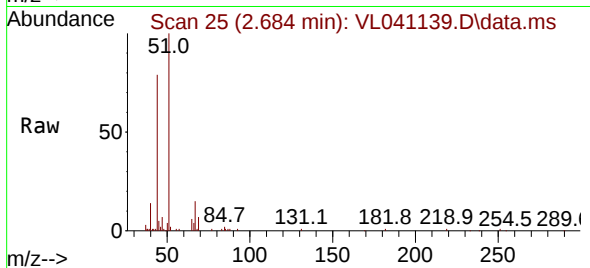
Tgt Ion: 85 Resp: 76268
Ion Ratio Lower Upper
85 100
87 29.0 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.255 ppbv m
RT: 2.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

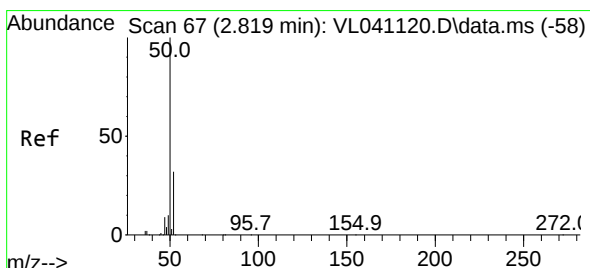
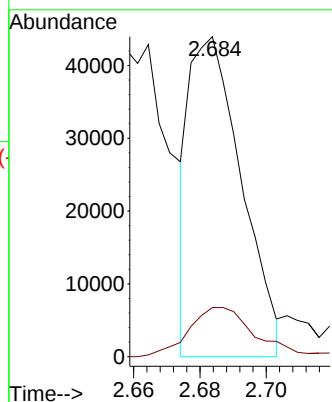
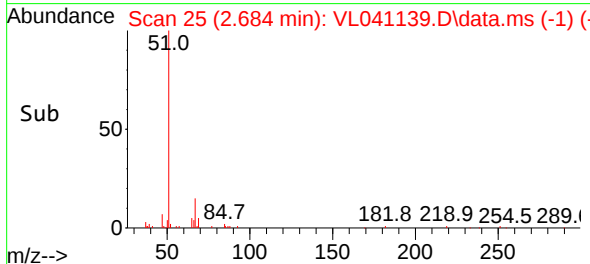
Instrument :
MSVOA_L
ClientSampleId :
IA1



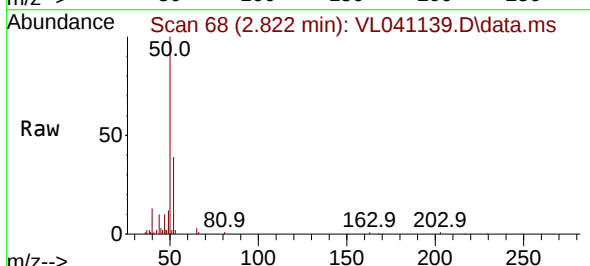
Tgt Ion: 51 Resp: 47960
Ion Ratio Lower Upper
51 100
67 20.5 14.9 22.3

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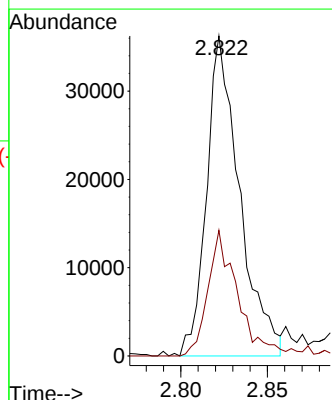
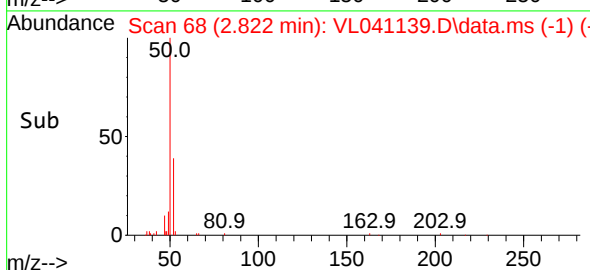
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

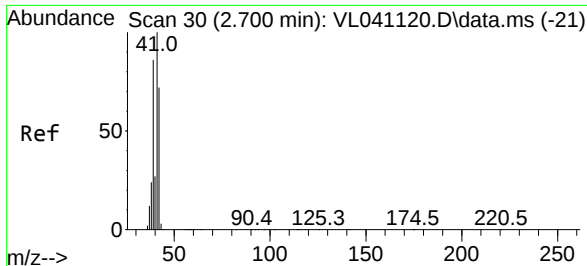


#4
Chloromethane
Concen: 0.673 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.003 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13



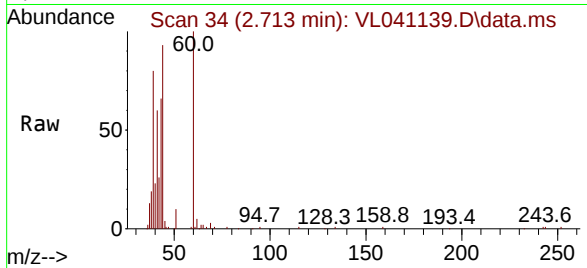
Tgt Ion: 50 Resp: 47965
Ion Ratio Lower Upper
50 100
52 39.5 26.0 39.0#





#9
 Propene
 Concen: 0.792 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.013 min
 Lab File: VL041139.D
 Acq: 5 Apr 2024 00:13

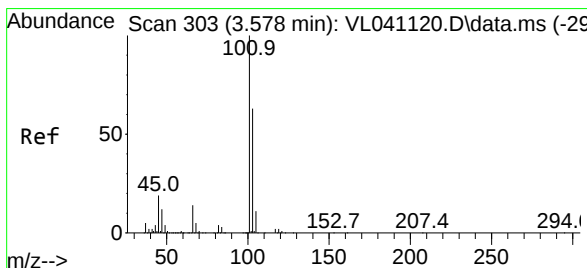
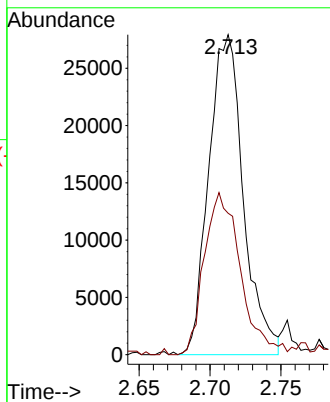
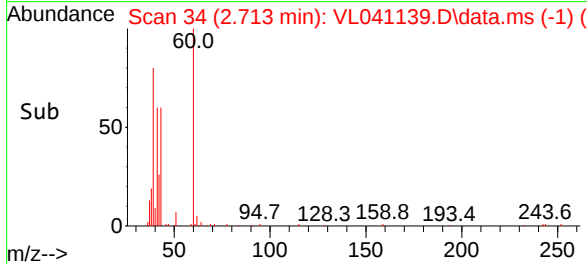
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



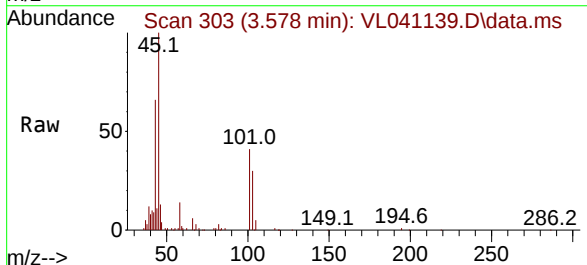
Tgt Ion: 41 Resp: 47484
 Ion Ratio Lower Upper
 41 100
 42 55.1 60.1 90.1

Manual Integrations
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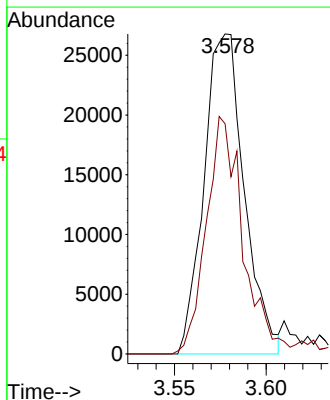
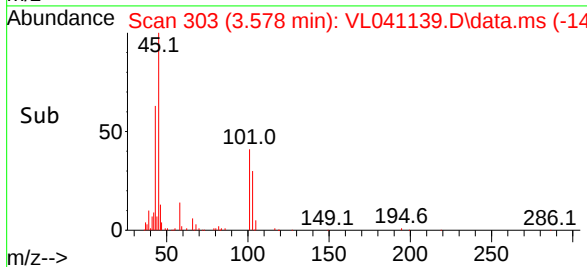
Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

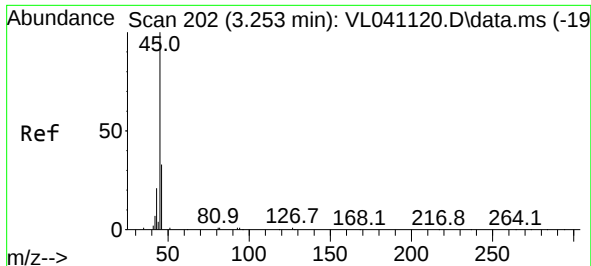


#11
 Trichlorofluoromethane
 Concen: 0.216 ppbv
 RT: 3.578 min Scan# 303
 Delta R.T. -0.000 min
 Lab File: VL041139.D
 Acq: 5 Apr 2024 00:13



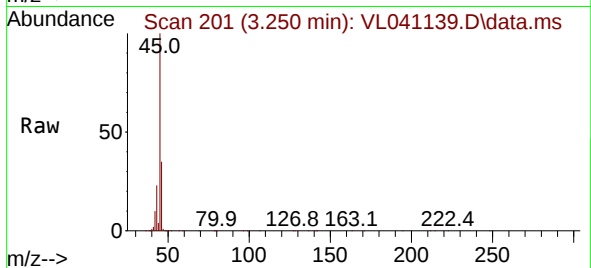
Tgt Ion:101 Resp: 40895
 Ion Ratio Lower Upper
 101 100
 103 71.0 50.6 75.8





#13
Ethanol
Concen: 192.785 ppbv
RT: 3.250 min Scan# 201
Delta R.T. -0.003 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

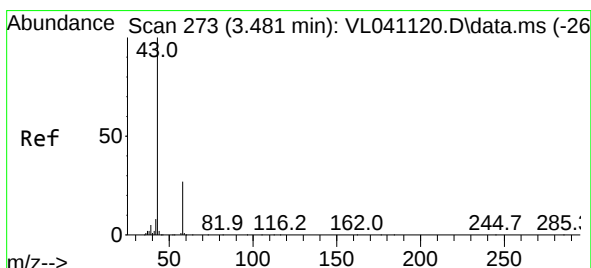
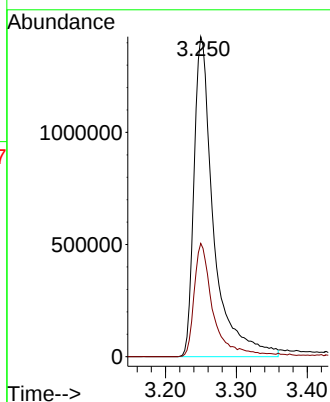
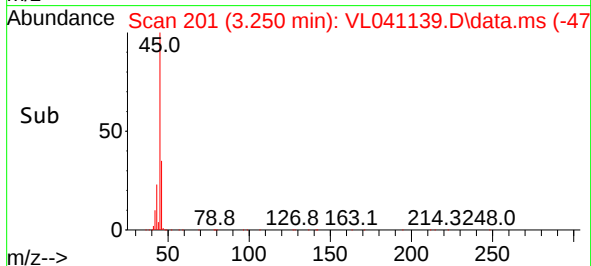
Instrument :
MSVOA_L
ClientSampleId :
IA1



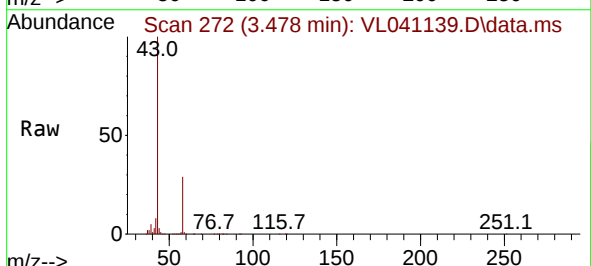
Tgt Ion: 45 Resp: 274794
Ion Ratio Lower Upper
45 100
46 35.1 15.0 59.8

Manual Integrations
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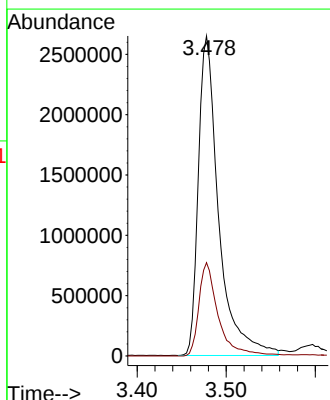
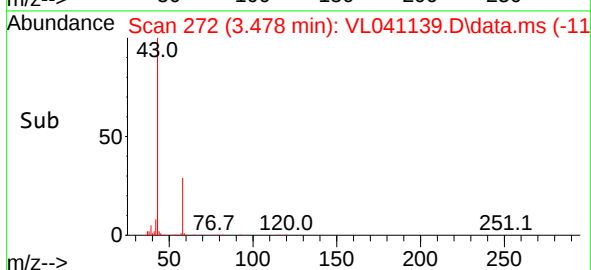
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

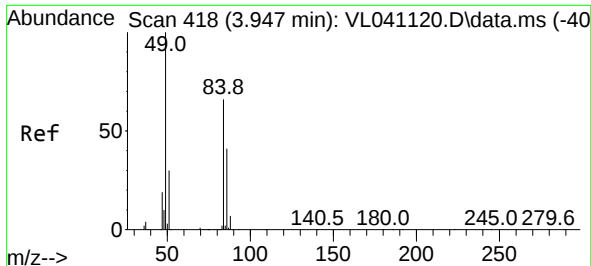


#15
Acetone
Concen: 31.671 ppbv
RT: 3.478 min Scan# 272
Delta R.T. -0.003 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13



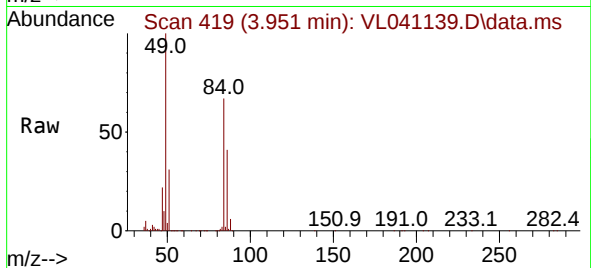
Tgt Ion: 43 Resp: 4194265
Ion Ratio Lower Upper
43 100
58 28.9 21.1 31.7





#20
Methylene Chloride
Concen: 13.995 ppbv
RT: 3.951 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

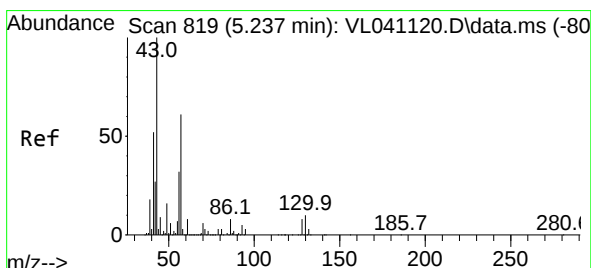
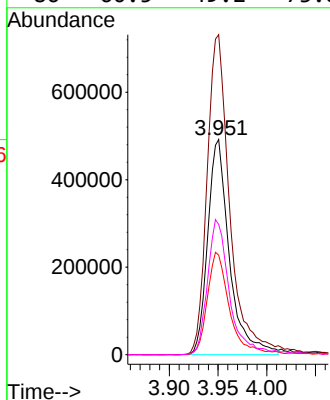
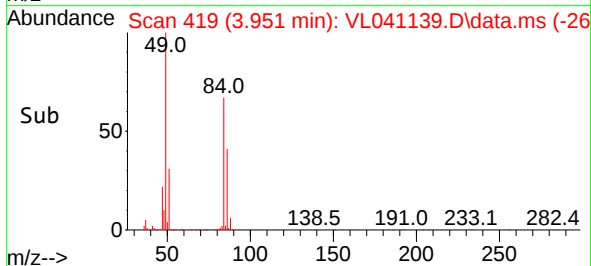
Instrument :
MSVOA_L
ClientSampleId :
IA1



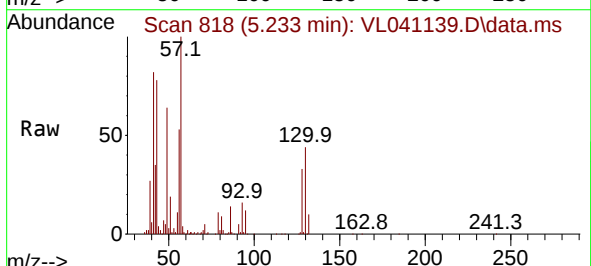
Tgt Ion: 84 Resp: 764397
Ion Ratio Lower Upper
84 100
49 148.7 120.7 181.1
51 46.2 36.6 54.8
86 60.5 49.2 73.8

Manual Integrations
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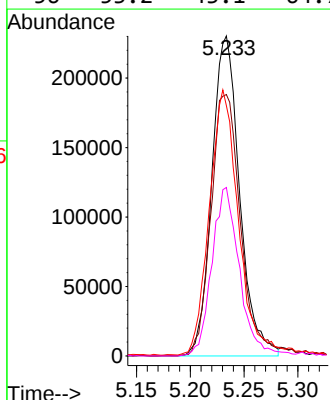
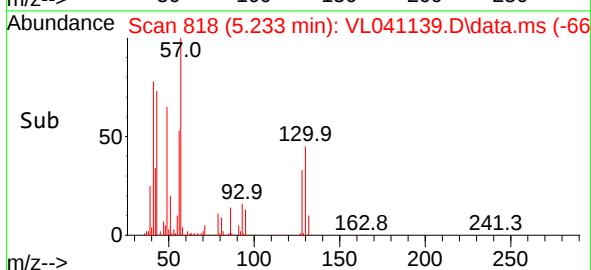
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Supervised By :Mahesh Dadoda 04/05/2024

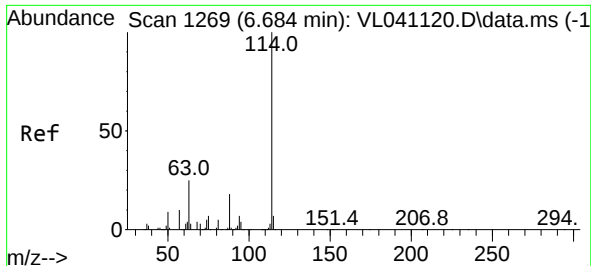


#26
Hexane
Concen: 3.710 ppbv
RT: 5.233 min Scan# 818
Delta R.T. -0.003 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13



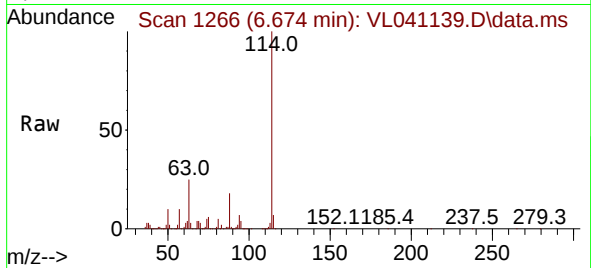
Tgt Ion: 57 Resp: 413975
Ion Ratio Lower Upper
57 100
41 89.4 73.8 110.8
43 89.3 186.2 279.2#
56 53.2 43.1 64.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 114
Delta R.T. -0.010 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

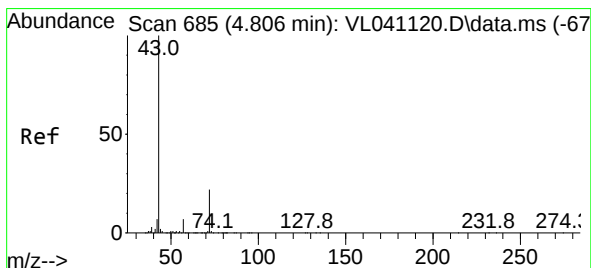
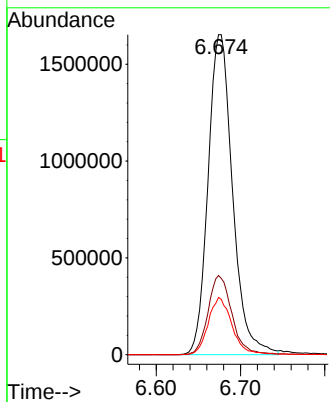
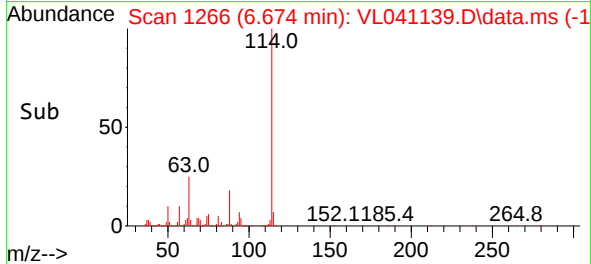
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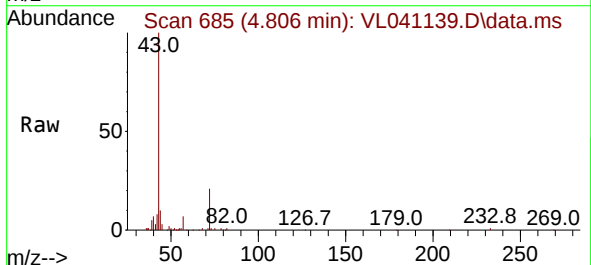
Tgt Ion:114 Resp: 334411
Ion Ratio Lower Upper
114 100
63 24.3 20.9 31.3
88 17.5 14.5 21.7

Manual Integrations
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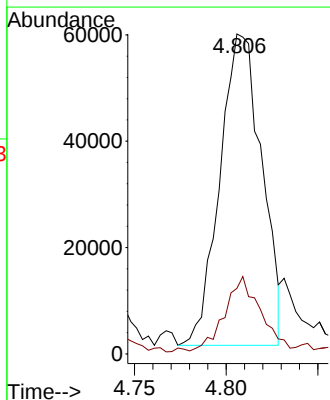
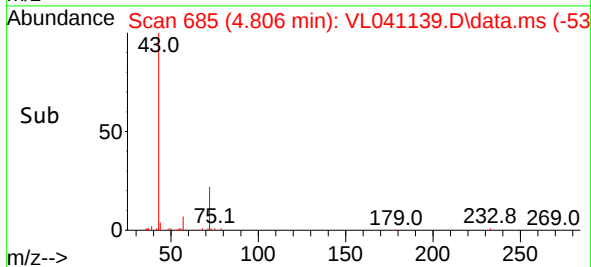
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Supervised By :Mahesh Dadoda 04/05/2024

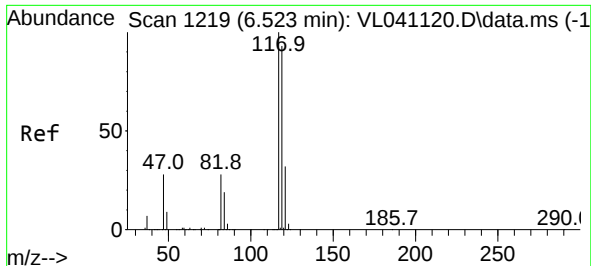


#34
2-Butanone
Concen: 0.658 ppbv
RT: 4.806 min Scan# 685
Delta R.T. -0.000 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13



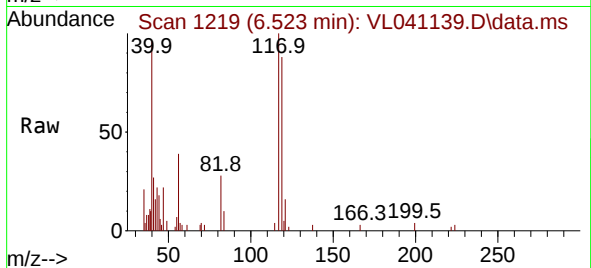
Tgt Ion: 43 Resp: 93093
Ion Ratio Lower Upper
43 100
72 25.3 17.6 26.4





#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 6.523 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

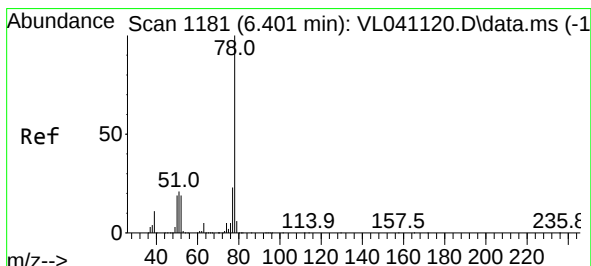
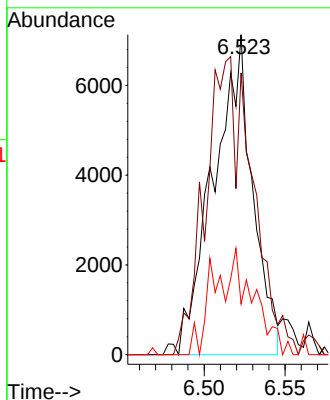
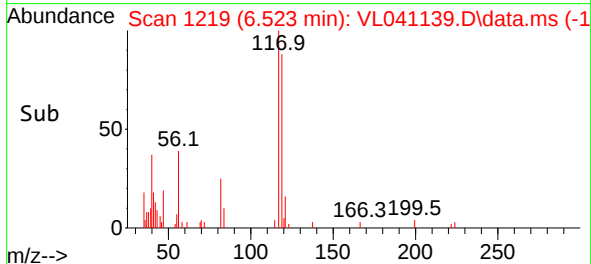
Instrument :
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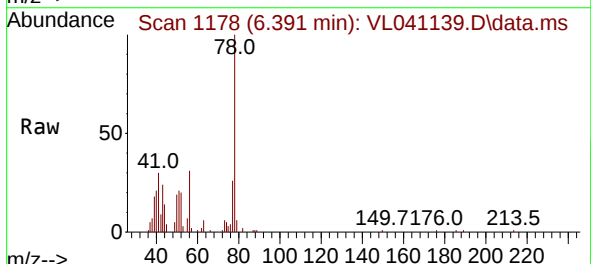
Tgt Ion: 117 Resp: 1199
Ion Ratio Lower Upper
117 100
119 88.0 74.2 111.4
121 15.9 25.4 38.2

Manual Integrations
APPROVED

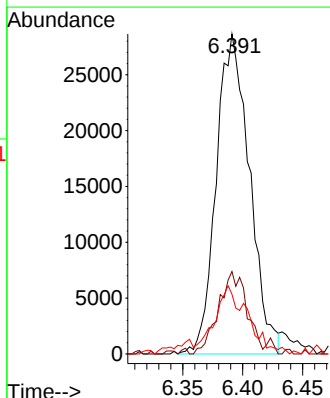
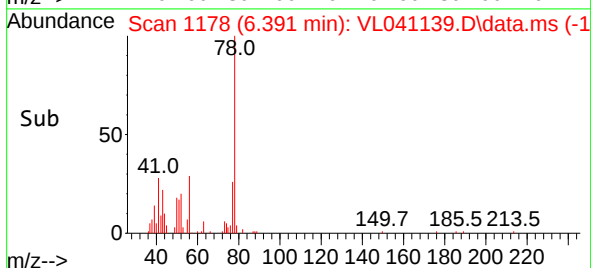
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

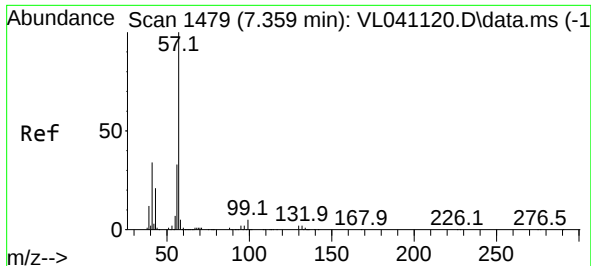


#36
Benzene
Concen: 0.225 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. -0.010 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13



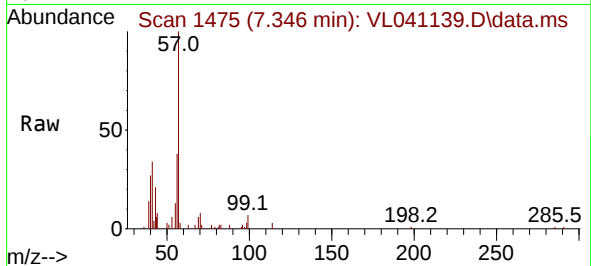
Tgt Ion: 78 Resp: 55155
Ion Ratio Lower Upper
78 100
77 25.8 18.2 27.4
50 17.2 15.4 23.2





#44
2,2,4-Trimethylpentane
Concen: 0.087 ppbv m
RT: 7.346 min Scan# 1479
Delta R.T. -0.013 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

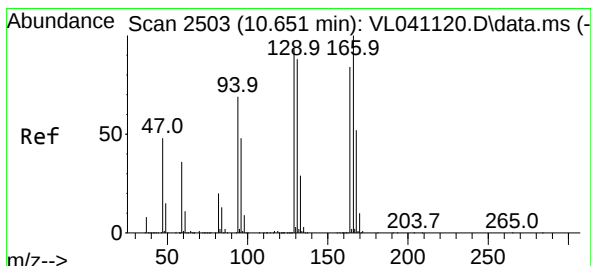
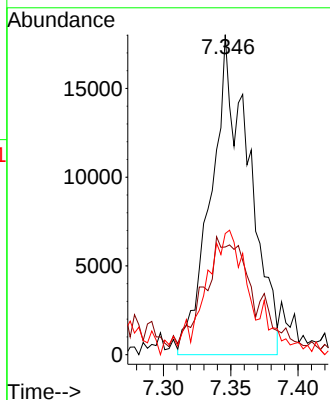
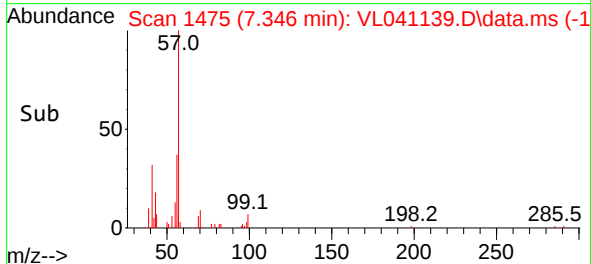
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 35510
Ion Ratio Lower Upper
57 100
41 48.3 28.2 42.2#
56 46.0 25.2 37.8#

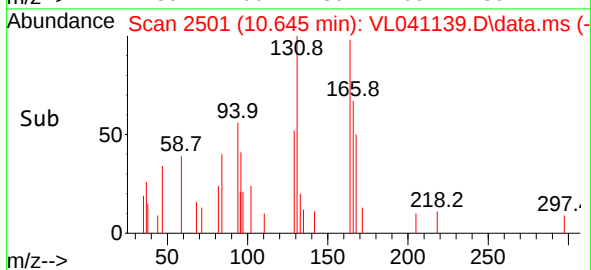
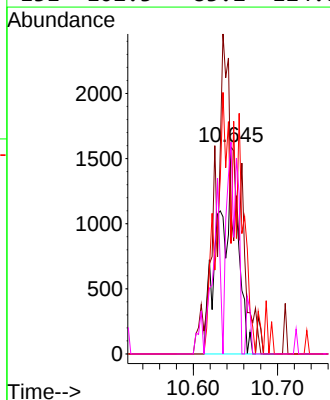
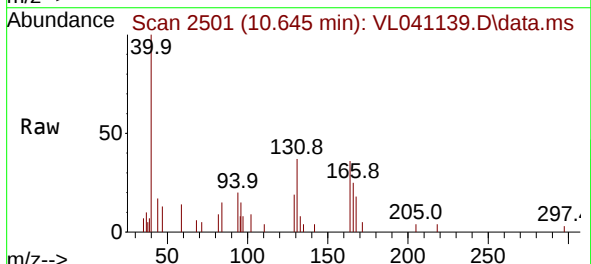
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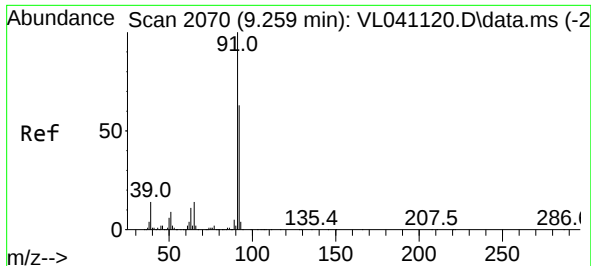
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 10.645 min Scan# 2501
Delta R.T. -0.007 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

Tgt Ion:164 Resp: 2648
Ion Ratio Lower Upper
164 100
166 68.2 95.0 142.6#
129 53.3 88.7 133.1#
131 102.3 83.2 124.8#





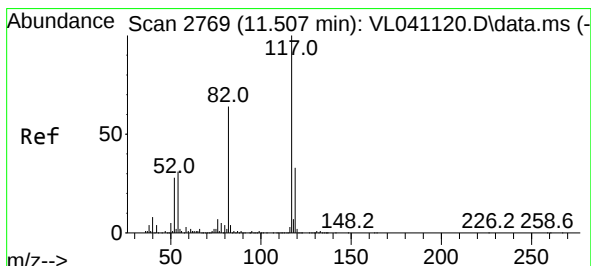
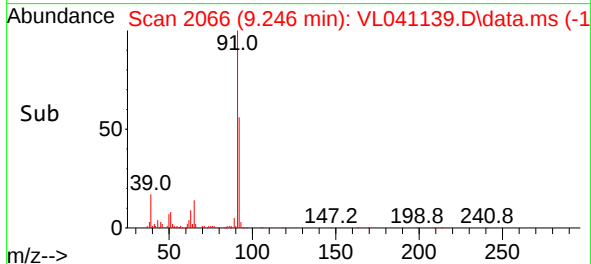
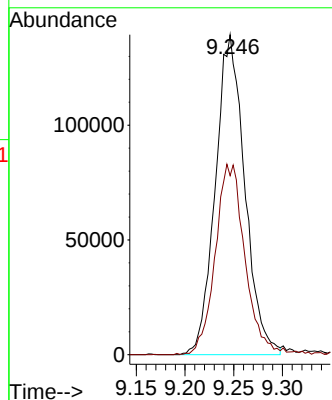
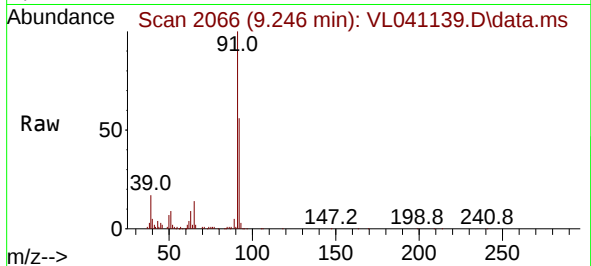
#53
Toluene
Concen: 1.129 ppbv
RT: 9.246 min Scan# 2070
Delta R.T. -0.013 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 292058
Ion Ratio Lower Upper
91 100
92 61.1 49.0 73.4

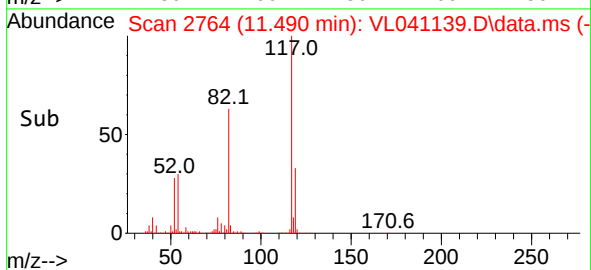
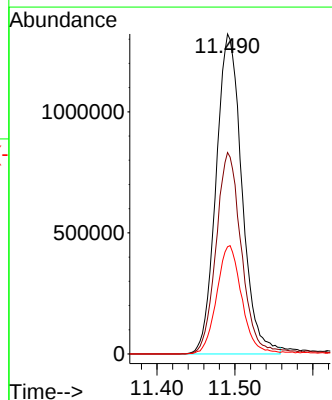
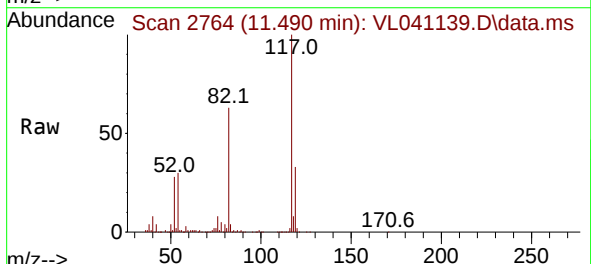
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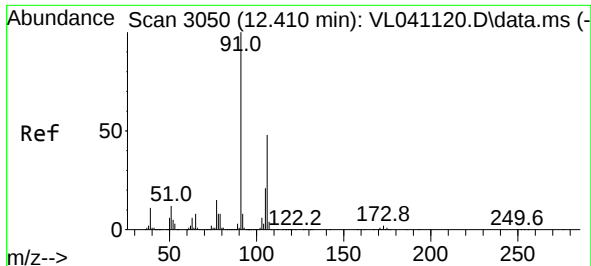
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.490 min Scan# 2764
Delta R.T. -0.016 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

Tgt Ion:117 Resp: 3050031
Ion Ratio Lower Upper
117 100
82 62.8 51.0 76.6
119 33.7 25.2 37.8





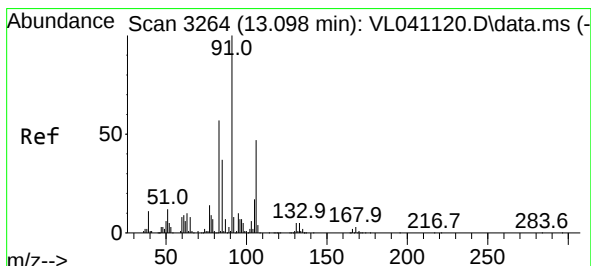
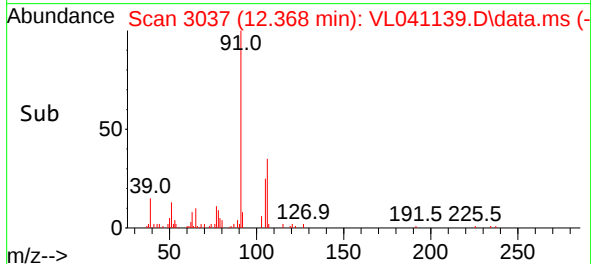
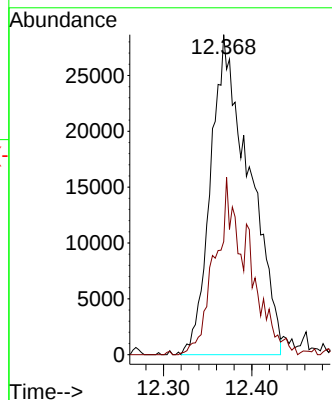
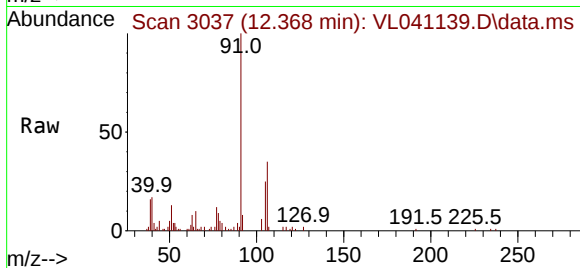
#59
m/p-Xylene
Concen: 0.290 ppbv m
RT: 12.368 min Scan# 3050
Delta R.T. -0.042 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 8738
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

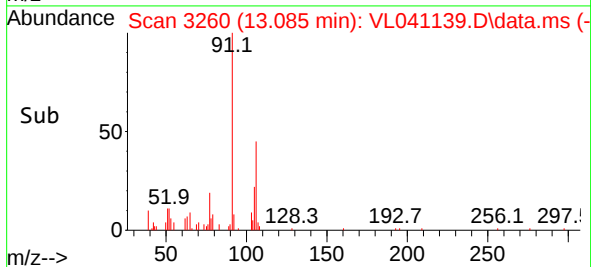
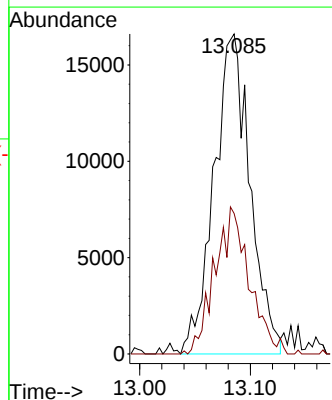
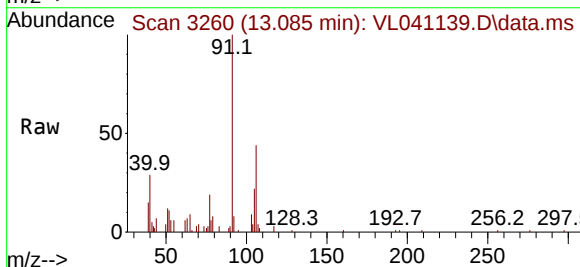
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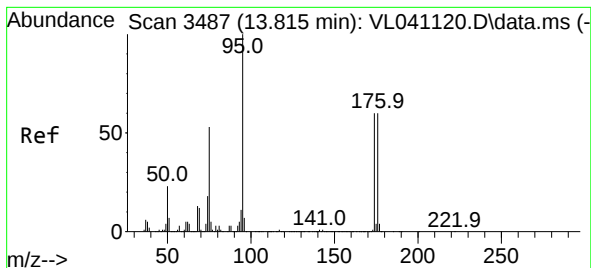
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#60
o-Xylene
Concen: 0.131 ppbv m
RT: 13.085 min Scan# 3260
Delta R.T. -0.013 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

Tgt Ion: 91 Resp: 37515
Ion Ratio Lower Upper
91 100
106 44.0 22.9 68.5





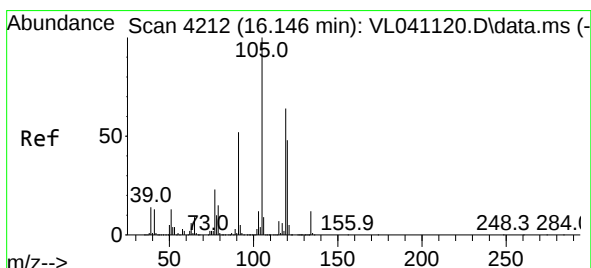
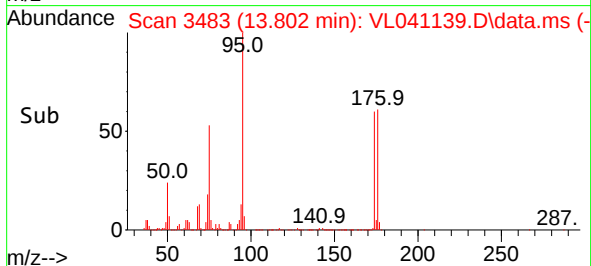
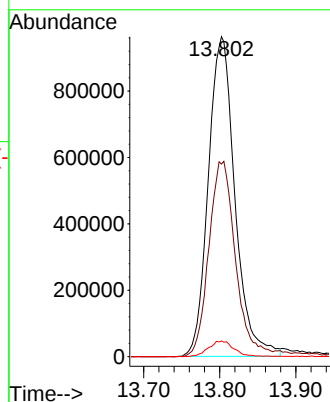
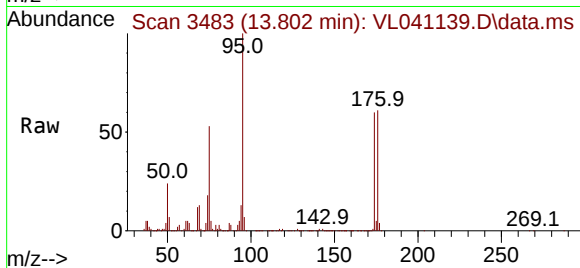
#68
1-Bromo-4-Fluorobenzene
Concen: 9.559 ppbv
RT: 13.802 min Scan# 3487
Delta R.T. -0.013 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 95 Resp: 2344500
Ion Ratio Lower Upper
95 100
174 63.4 49.3 73.9
175 4.8 3.6 5.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.283 ppbv m
RT: 16.127 min Scan# 4206
Delta R.T. -0.019 min
Lab File: VL041139.D
Acq: 5 Apr 2024 00:13

Tgt Ion:105 Resp: 91279
Ion Ratio Lower Upper
105 100
120 32.6 38.9 58.3#
91 8.9 43.0 64.6#
77 13.3 18.6 28.0#

