

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040196.D
 Acq On : 21 Feb 2023 15:50
 Operator : SY/MD
 Sample : 01626-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-11

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 03:23:33 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	869772	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2205721	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	1941026	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1599167	10.019	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	56586	0.349	ppbv	92
3) Chlorodifluoromethane	2.678	51	120817m	1.163	ppbv	
4) Chloromethane	2.816	50	30379	0.465	ppbv	95
9) Propene	2.703	41	108476	2.561	ppbv	85
10) Heptane	7.594	43	29392m	0.292	ppbv	
11) Trichlorofluoromethane	3.568	101	29723	0.204	ppbv	90
13) Ethanol	3.240	45	1536215	394.000	ppbv	94
15) Acetone	3.475	43	774449m	7.396	ppbv	
17) tert-Butyl alcohol	3.899	59	13631m	0.143	ppbv	
19) Isopropyl Alcohol	3.584	45	2044615	41.075	ppbv #	95
20) Methylene Chloride	3.941	84	121628	2.231	ppbv	97
25) Ethyl Acetate	5.224	43	139643	0.717	ppbv #	94
26) Hexane	5.227	57	118190m	1.414	ppbv	
30) Cyclohexane	6.623	84	10979m	0.167	ppbv	
34) 2-Butanone	4.803	43	44365m	0.408	ppbv	
35) Carbon Tetrachloride	6.507	117	8860m	0.068	ppbv	
36) Benzene	6.388	78	166743	0.971	ppbv	95
44) 2,2,4-Trimethylpentane	7.349	57	107312	0.375	ppbv #	87
50) 4-Methyl-2-Pentanone	8.224	43	18638m	0.110	ppbv	
52) Tetrachloroethene	10.635	164	9615m	0.179	ppbv	
53) Toluene	9.243	91	426310	2.319	ppbv	99
58) Ethyl Benzene	12.114	91	73953	0.314	ppbv	93
59) m/p-Xylene	12.372	91	199366m	0.954	ppbv	
60) o-Xylene	13.089	91	72966	0.363	ppbv	100
74) 1,2,4-Trimethylbenzene	16.130	105	67338m	0.297	ppbv	

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

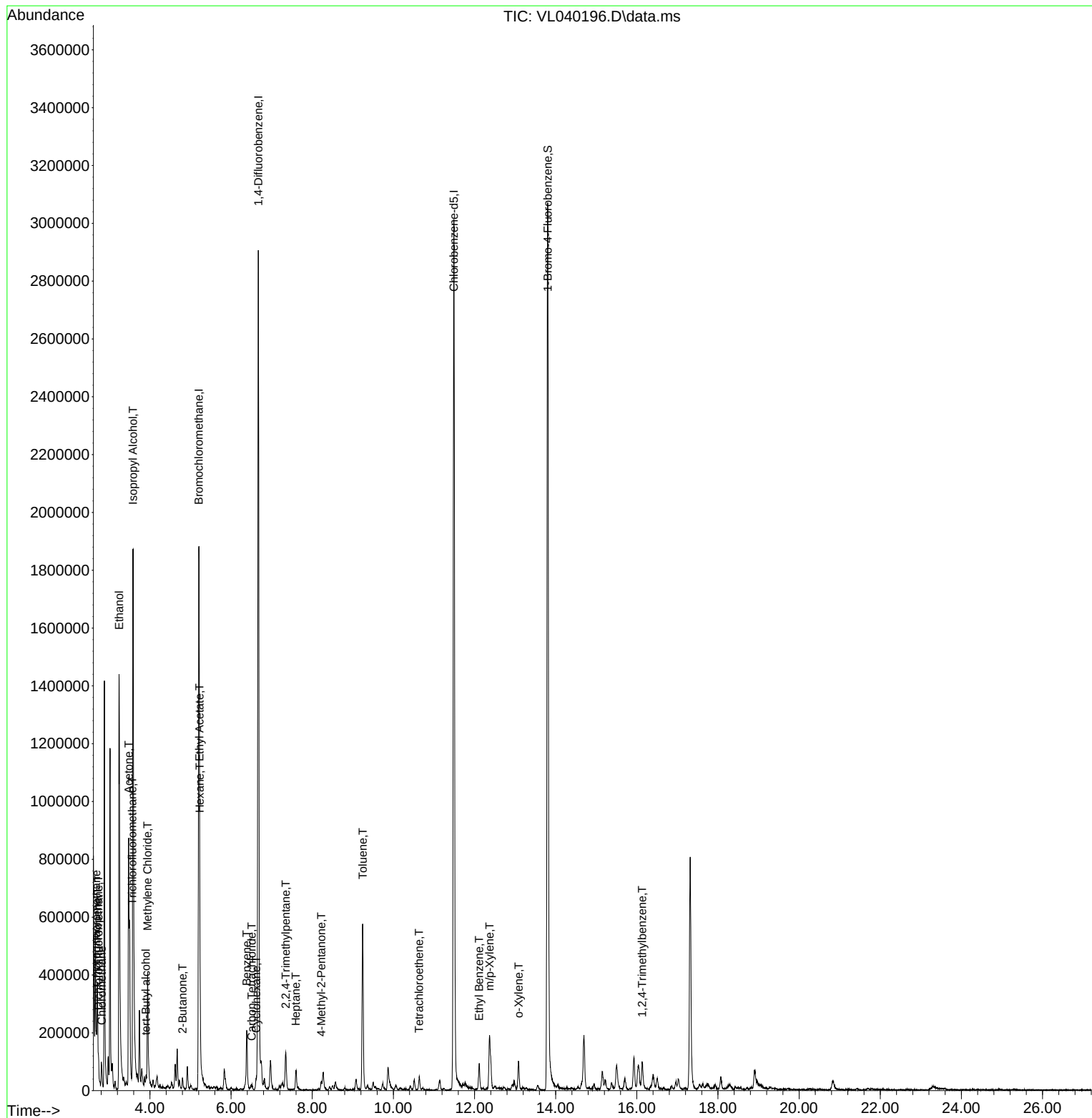
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
Data File : VL040196.D
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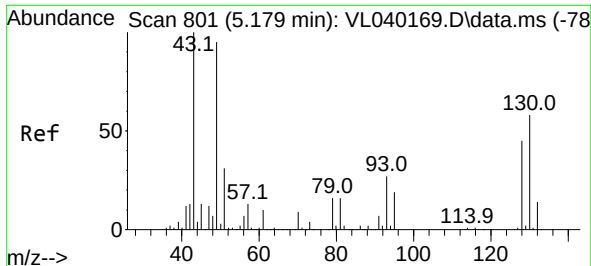
Instrument :
MSVOA_L
ClientSampleId :
IA-11

Quant Time: Feb 22 03:23:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 22 03:17:31 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

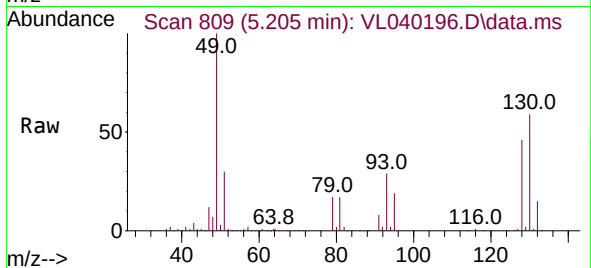
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 801
Delta R.T. -0.000 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

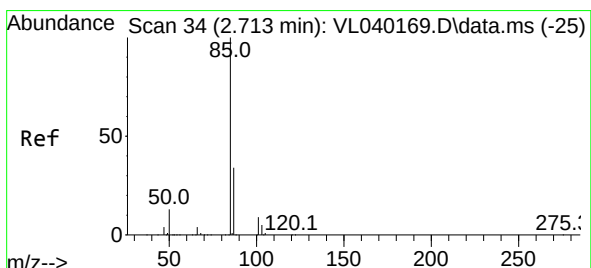
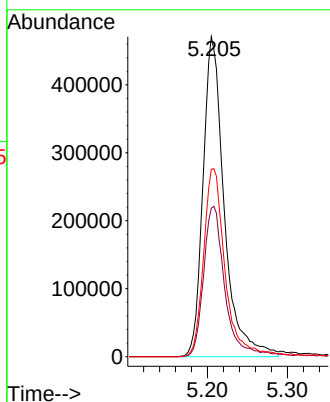
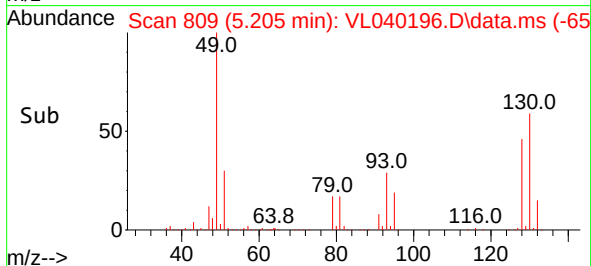
Instrument :
MSVOA_1
ClientSampleId :
IA-11



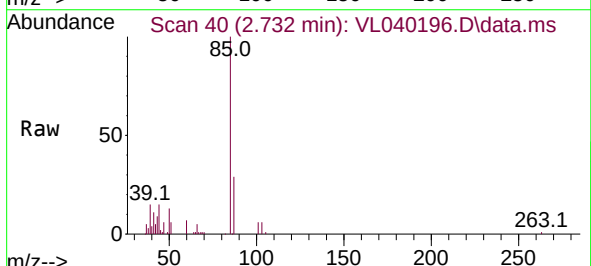
Tgt Ion: 49 Resp: 869772
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.3
130 61.2 30.9 92.8

Manual Integrations
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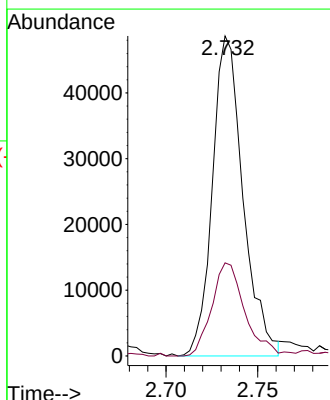
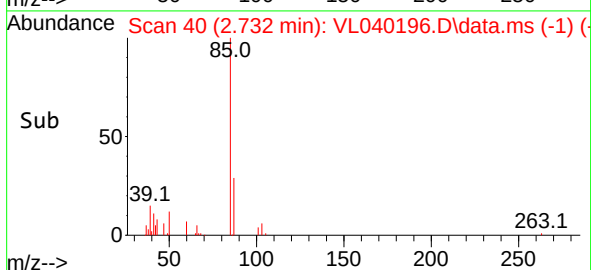
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

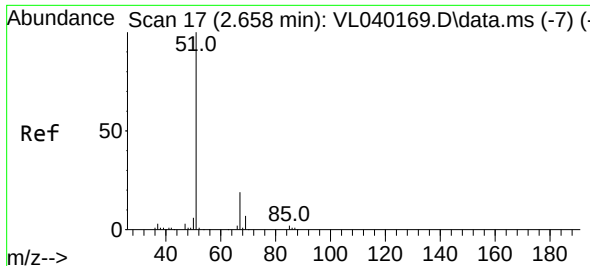


#2
Dichlorodifluoromethane
Concen: 0.349 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50



Tgt Ion: 85 Resp: 56586
Ion Ratio Lower Upper
85 100
87 29.1 27.0 40.6





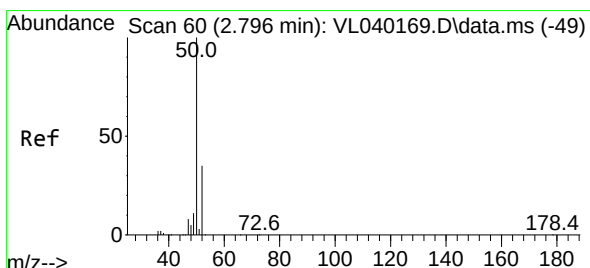
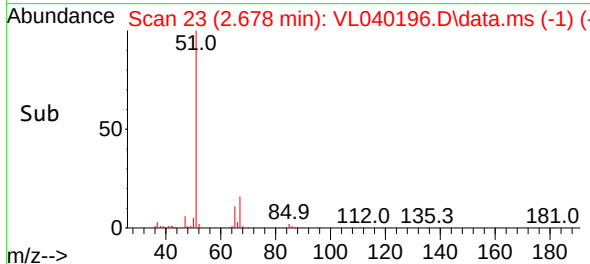
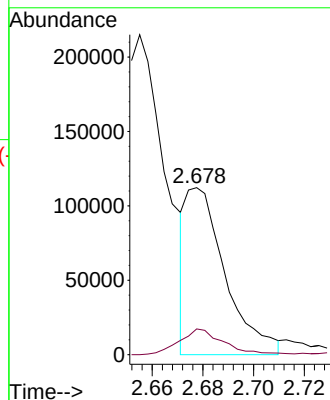
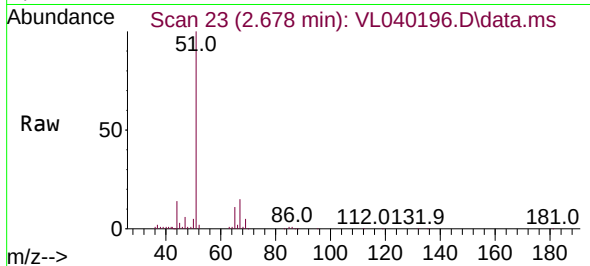
#3
Chlorodifluoromethane
Concen: 1.163 ppbv m
RT: 2.678 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

Instrument :
MSVOA_L
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Tgt Ion: 51 Resp: 12081
Ion Ratio Lower Upper
51 100
67 17.9 15.4 23.2

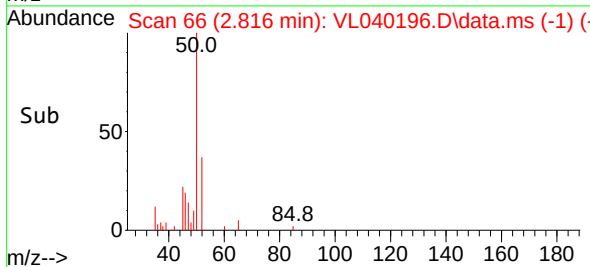
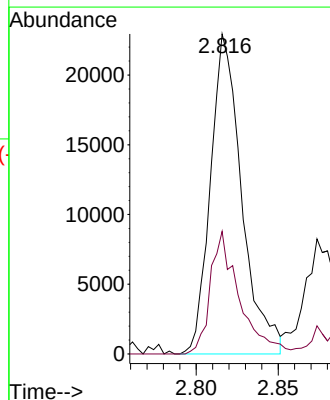
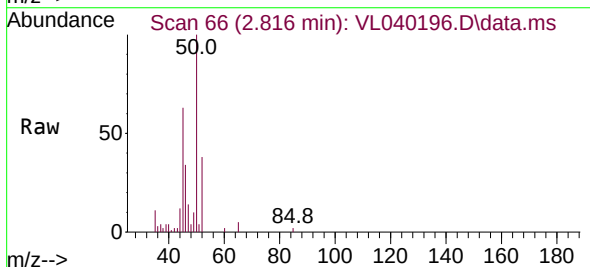
Manual Integrations
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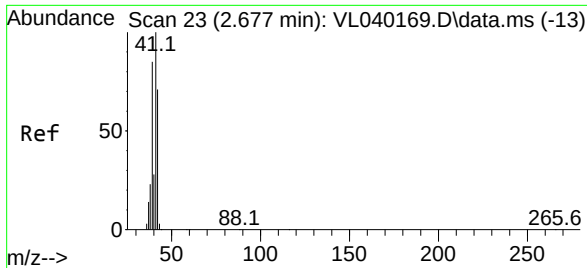
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#4
Chloromethane
Concen: 0.465 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

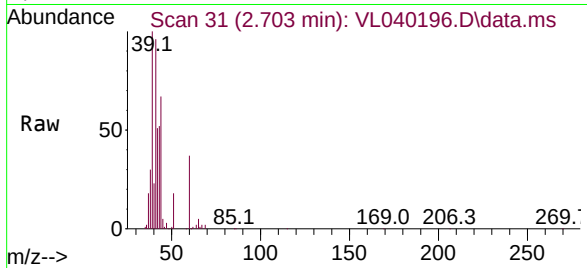
Tgt Ion: 50 Resp: 30379
Ion Ratio Lower Upper
50 100
52 38.3 28.3 42.5





#9
 Propene
 Concen: 2.561 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VL040196.D
 Acq: 21 Feb 2023 15:50

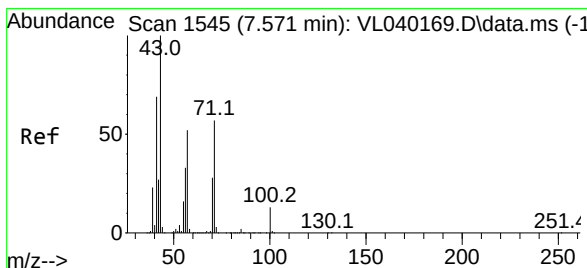
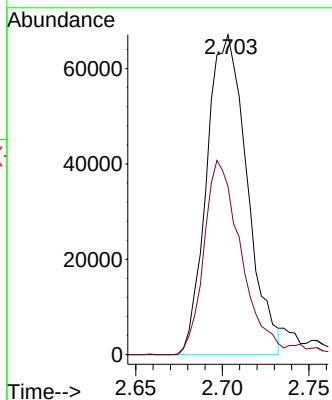
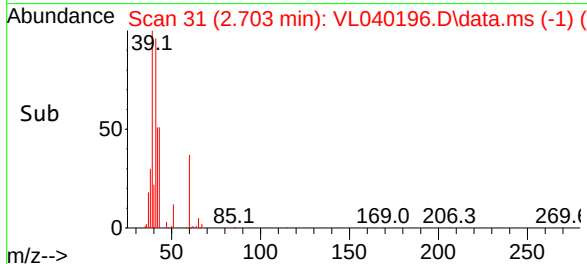
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-11



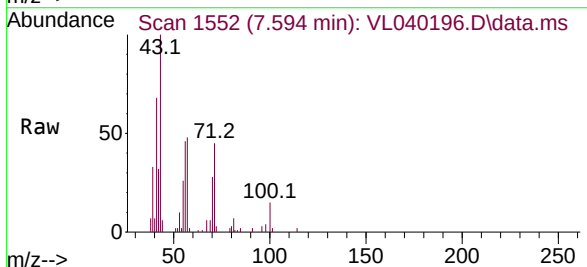
Tgt Ion: 41 Resp: 108470
 Ion Ratio Lower Upper
 41 100
 42 58.7 56.9 85.3

Manual Integrations
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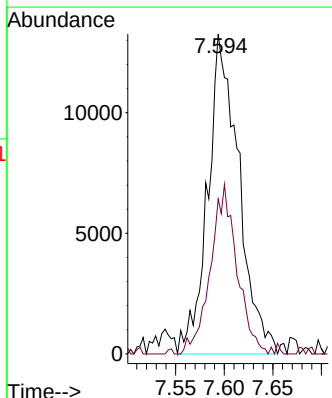
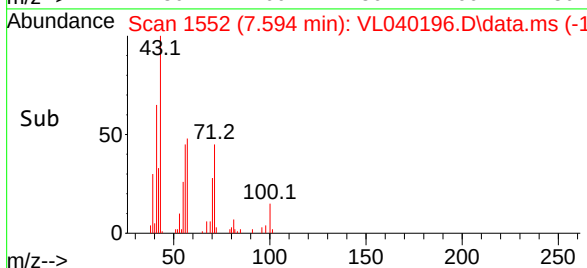
Reviewed By :Krupa Patel 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

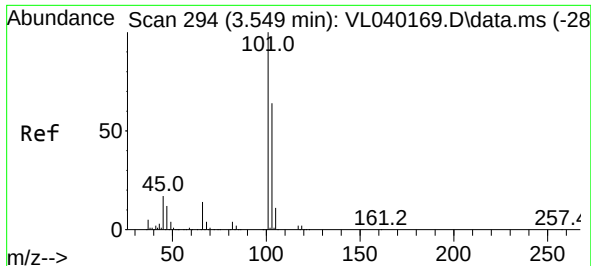


#10
 Heptane
 Concen: 0.292 ppbv m
 RT: 7.594 min Scan# 1552
 Delta R.T. -0.010 min
 Lab File: VL040196.D
 Acq: 21 Feb 2023 15:50



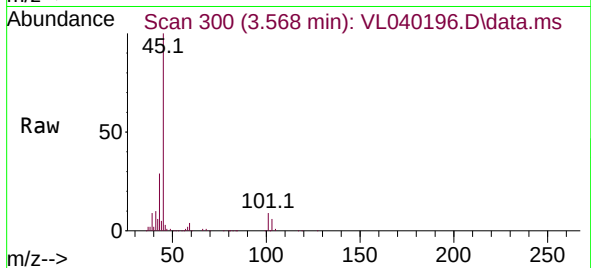
Tgt Ion: 43 Resp: 29392
 Ion Ratio Lower Upper
 43 100
 57 46.2 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.204 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.000 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

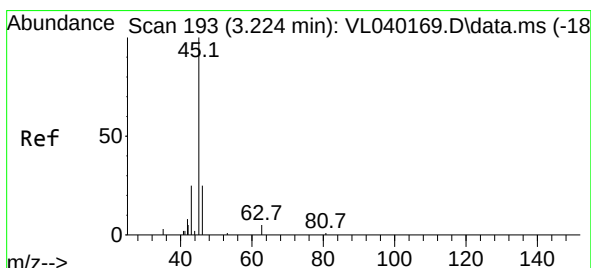
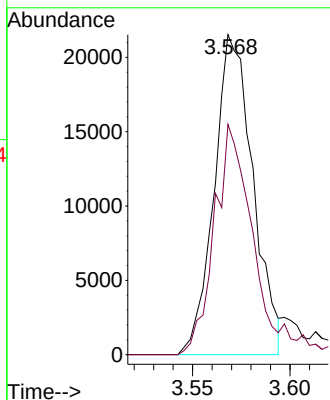
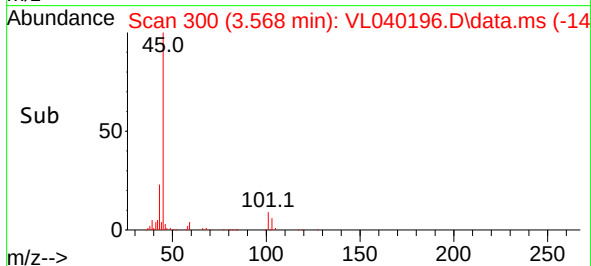
Instrument :
MSVOA_L
ClientSampleId :
IA-11



Tgt Ion:101 Resp: 29723
Ion Ratio Lower Upper
101 100
103 72.0 51.0 76.6

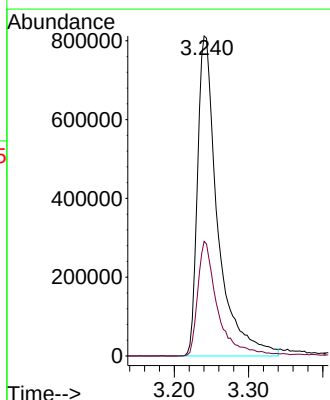
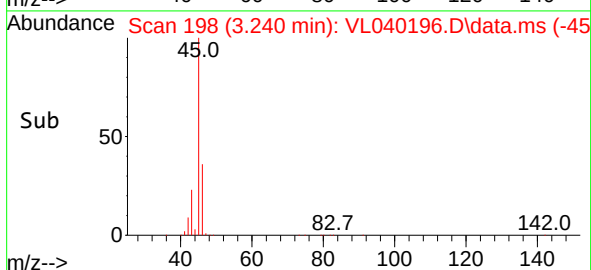
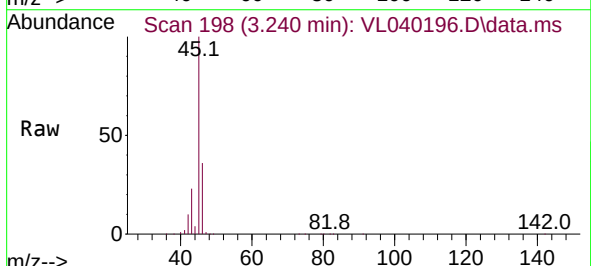
Manual Integrations
APPROVED

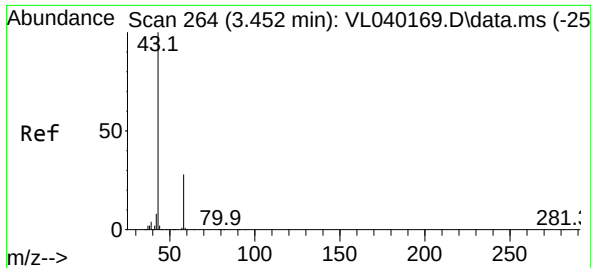
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#13
Ethanol
Concen: 394.000 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.010 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

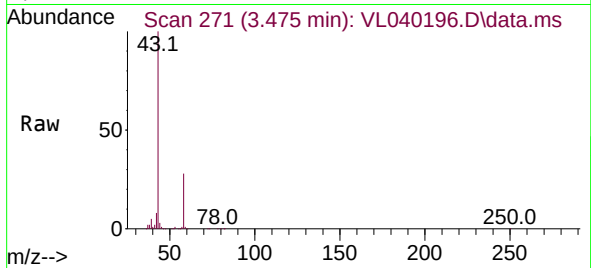
Tgt Ion: 45 Resp: 1536215
Ion Ratio Lower Upper
45 100
46 36.6 13.3 53.1





#15
Acetone
Concen: 7.396 ppbv m
RT: 3.475 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

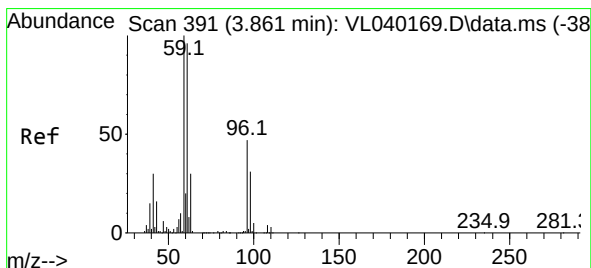
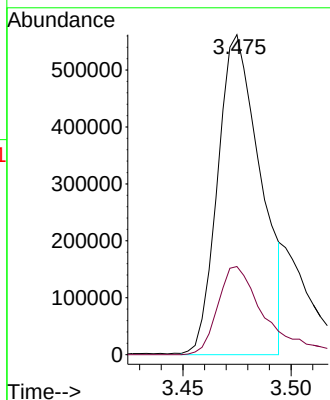
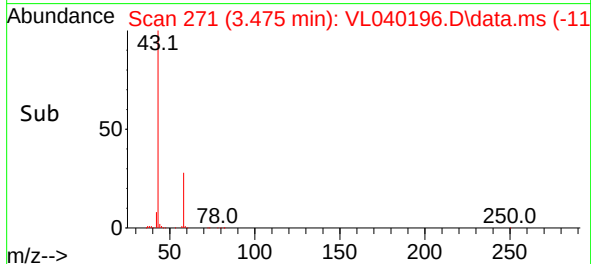
Instrument :
MSVOA_L
ClientSampleId :
IA-11



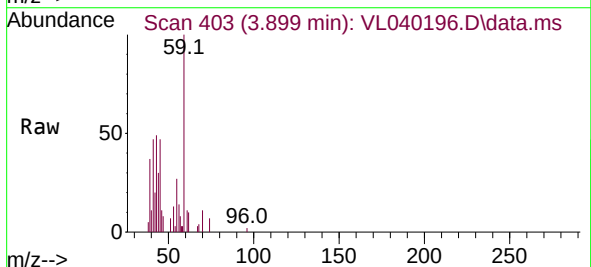
Tgt Ion: 43 Resp: 774449
Ion Ratio Lower Upper
43 100
58 31.5 22.4 33.6

Manual Integrations
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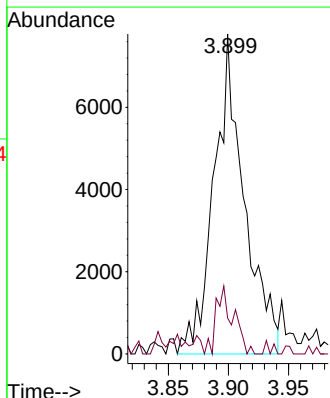
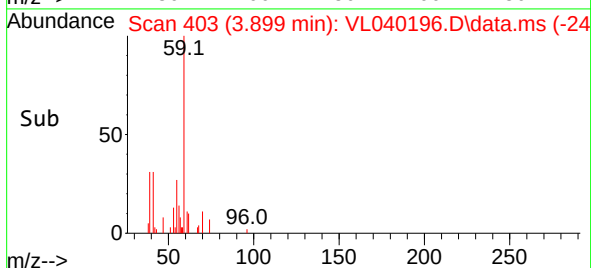
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

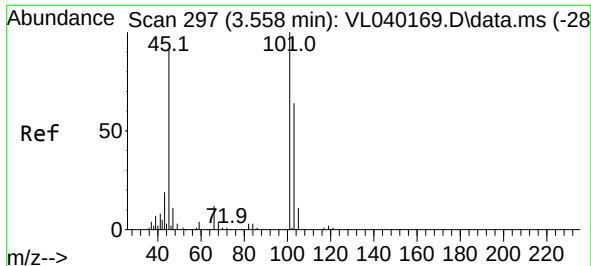


#17
tert-Butyl alcohol
Concen: 0.143 ppbv m
RT: 3.899 min Scan# 403
Delta R.T. 0.013 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50



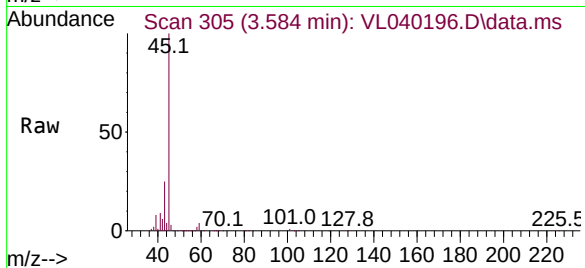
Tgt Ion: 59 Resp: 13631
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#19
Isopropyl Alcohol
Concen: 41.075 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

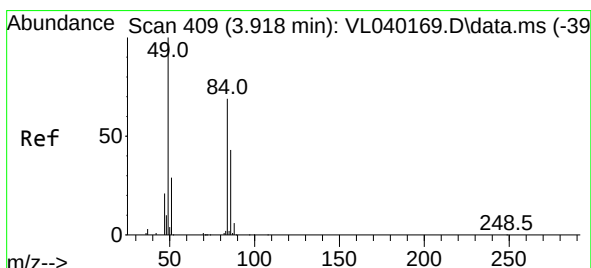
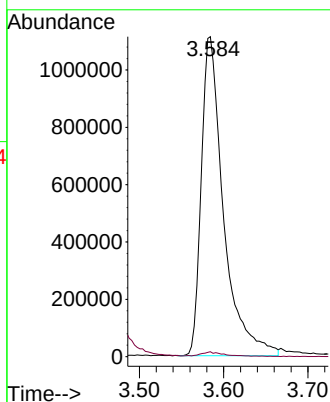
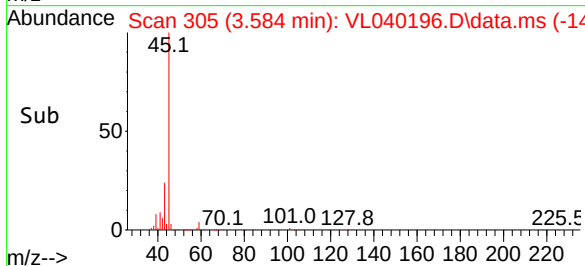
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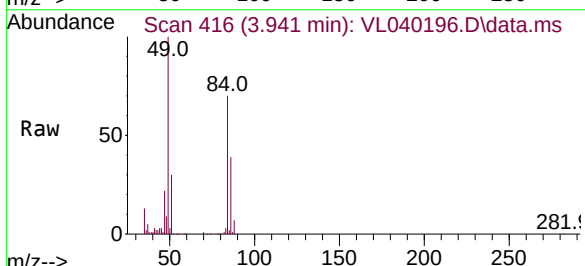
Tgt Ion: 45 Resp: 204461
Ion Ratio Lower Upper
45 100
58 1.6 2.6 3.8

Manual Integrations
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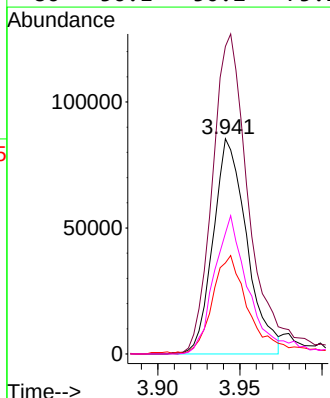
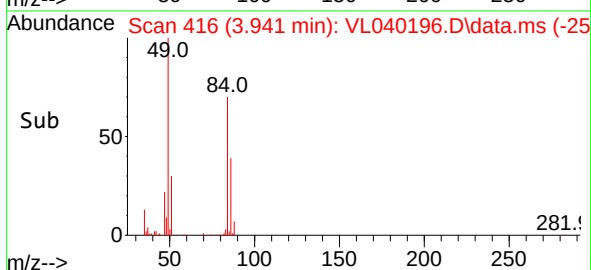
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

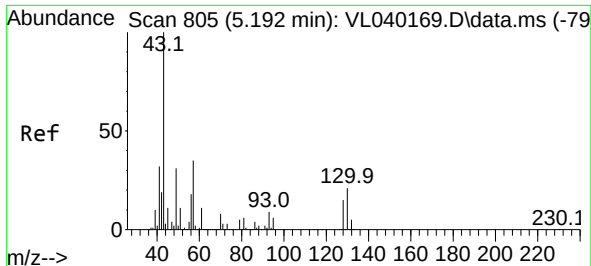


#20
Methylene Chloride
Concen: 2.231 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50



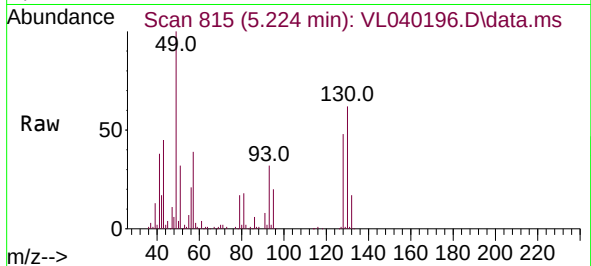
Tgt Ion: 84 Resp: 121628
Ion Ratio Lower Upper
84 100
49 142.4 115.5 173.3
51 41.4 33.1 49.7
86 56.1 50.2 75.2





#25
Ethyl Acetate
Concen: 0.717 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.006 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

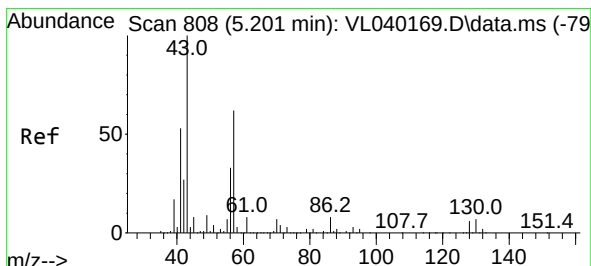
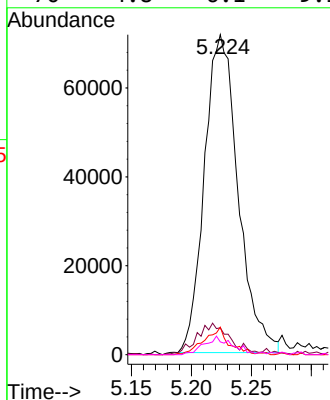
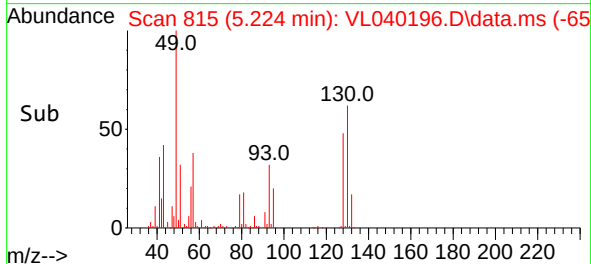
Instrument :
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ClientSampleId :
IA-11



Tgt Ion: 43 Resp: 13964
Ion Ratio Lower Upper
43 100
45 10.3 8.3 12.5
61 6.5 8.4 12.6
70 4.8 6.1 9.1#

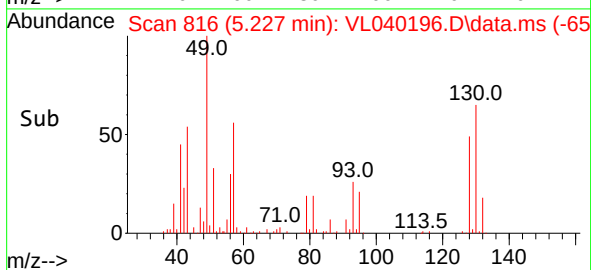
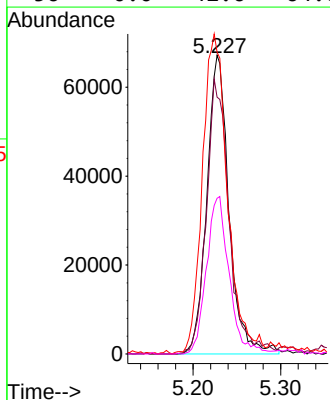
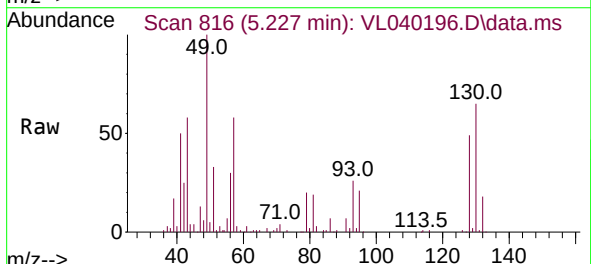
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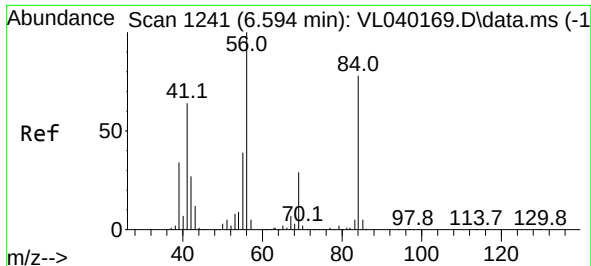
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#26
Hexane
Concen: 1.414 ppbv m
RT: 5.227 min Scan# 816
Delta R.T. 0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

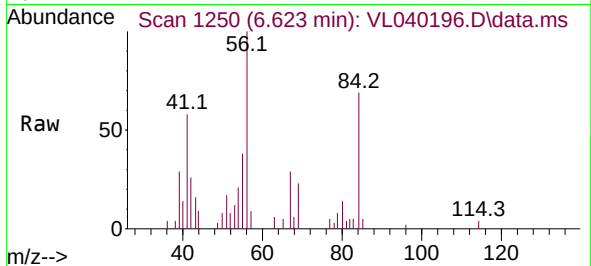
Tgt Ion: 57 Resp: 118190
Ion Ratio Lower Upper
57 100
41 0.0 74.3 111.5#
43 0.0 193.0 289.4#
56 0.0 42.6 64.0#





#30
Cyclohexane
Concen: 0.167 ppbv m
RT: 6.623 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

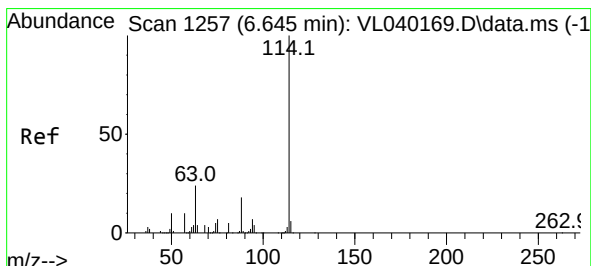
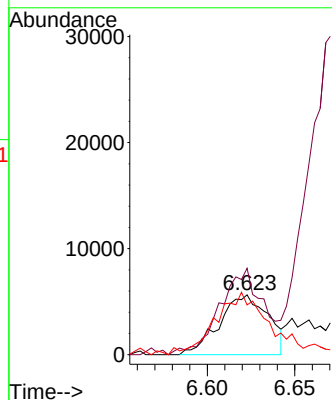
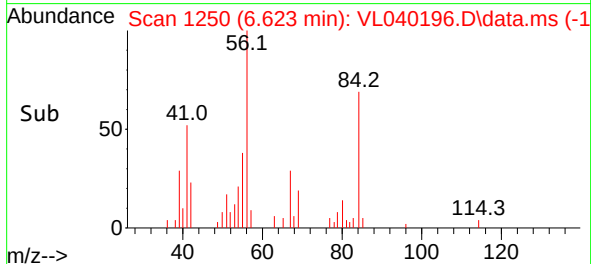
Instrument :
MSVOA_L
ClientSampleId :
IA-11



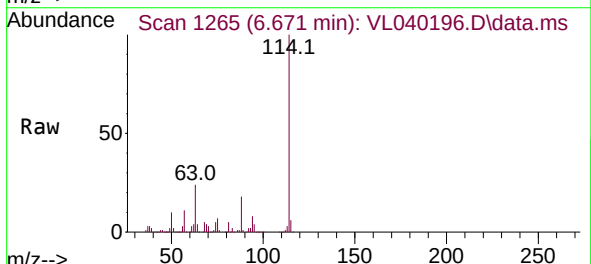
Tgt Ion: 84 Resp: 10979
Ion Ratio Lower Upper
84 100
56 134.0 109.9 164.9
41 124.9 67.8 101.6

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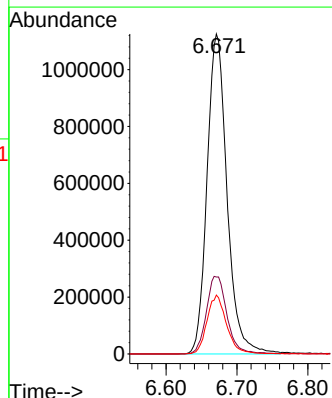
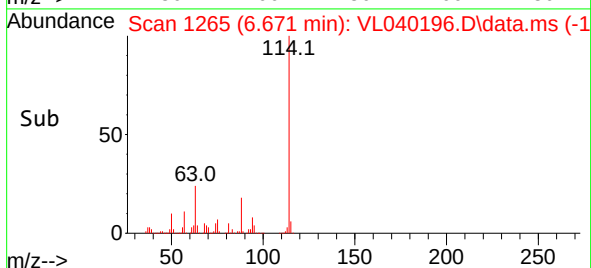
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

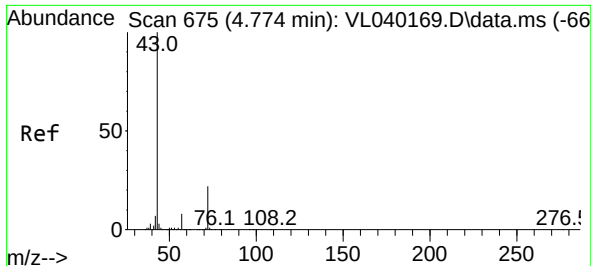


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. -0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50



Tgt Ion:114 Resp: 2205721
Ion Ratio Lower Upper
114 100
63 25.0 20.4 30.6
88 18.2 14.3 21.5





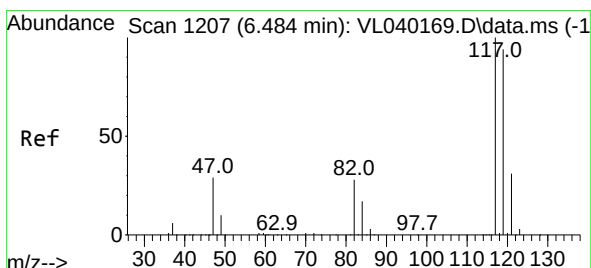
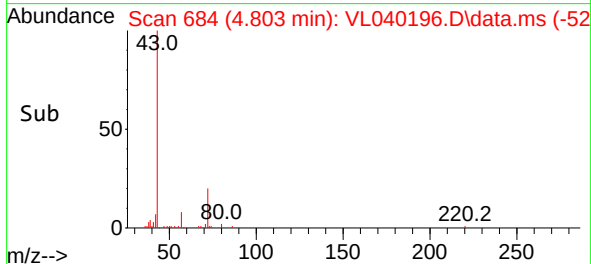
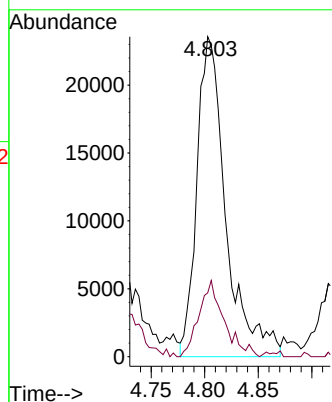
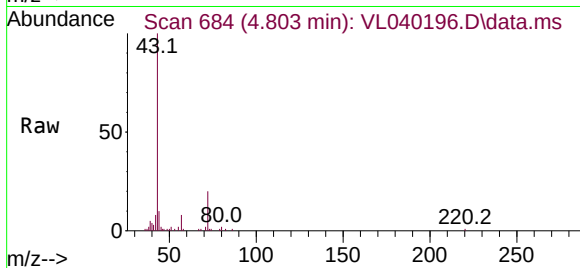
#34
2-Butanone
Concen: 0.408 ppbv m
RT: 4.803 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA-11

Tgt Ion: 43 Resp: 4436
Ion Ratio Lower Upper
43 100
72 21.3 17.8 26.8

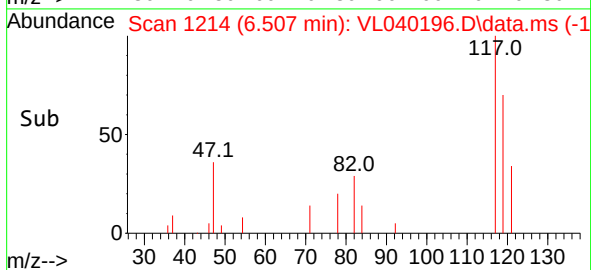
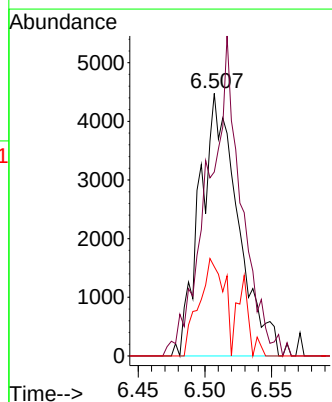
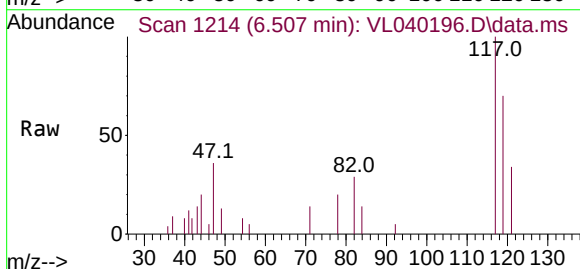
Manual Integrations
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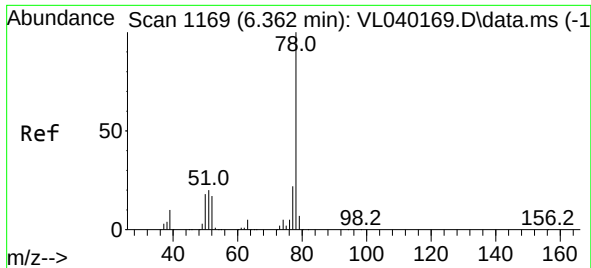
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 6.507 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

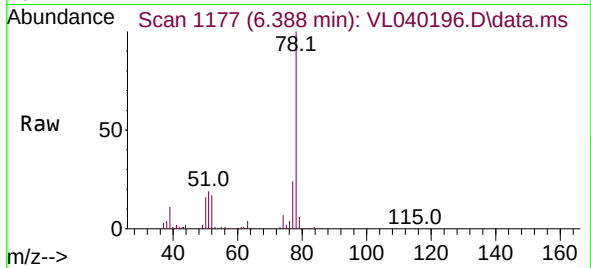
Tgt Ion:117 Resp: 8860
Ion Ratio Lower Upper
117 100
119 70.0 75.0 112.6#
121 34.0 25.0 37.4





#36
Benzene
Concen: 0.971 ppbv
RT: 6.388 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

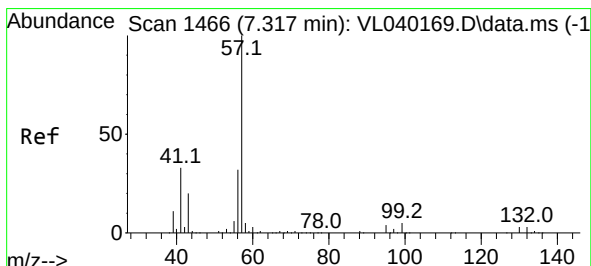
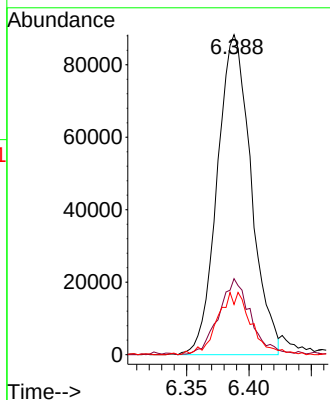
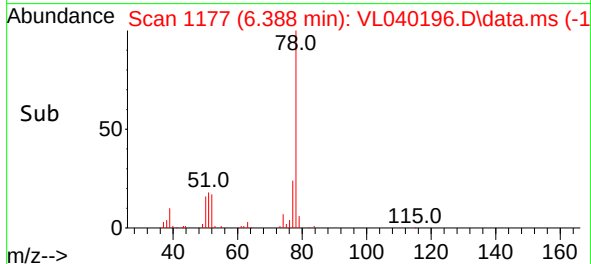
Instrument :
MSVOA_L
ClientSampleId :
IA-11



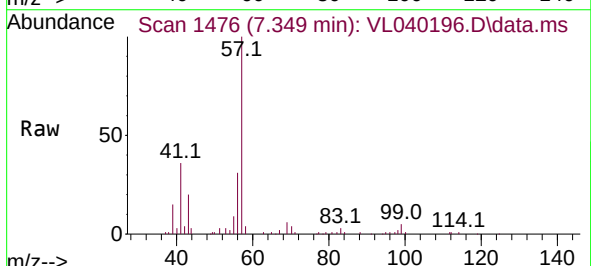
Tgt Ion: 78 Resp: 16674
Ion Ratio Lower Upper
78 100
77 23.7 17.5 26.3
50 15.7 14.6 22.0

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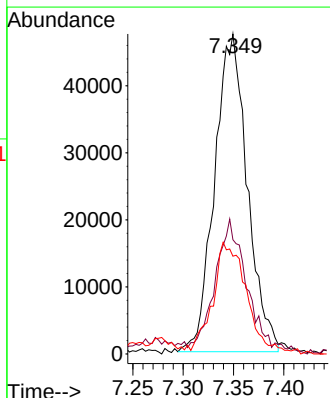
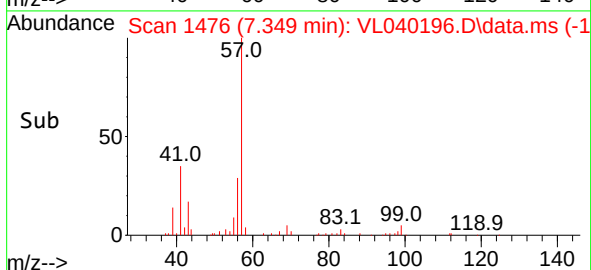
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

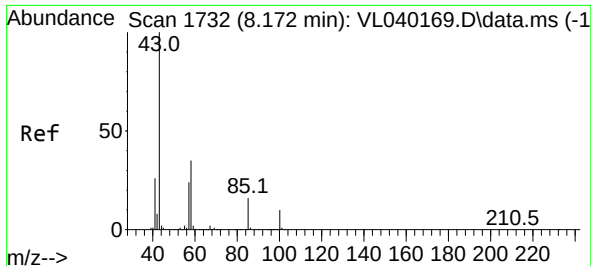


#44
2,2,4-Trimethylpentane
Concen: 0.375 ppbv
RT: 7.349 min Scan# 1476
Delta R.T. 0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50



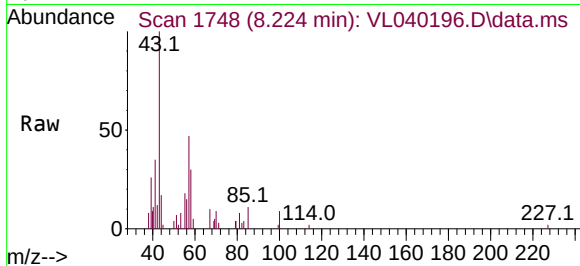
Tgt Ion: 57 Resp: 107312
Ion Ratio Lower Upper
57 100
41 41.6 26.2 39.4
56 37.2 24.9 37.3





#50
4-Methyl-2-Pentanone
Concen: 0.110 ppbv m
RT: 8.224 min Scan# 1732
Delta R.T. 0.023 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

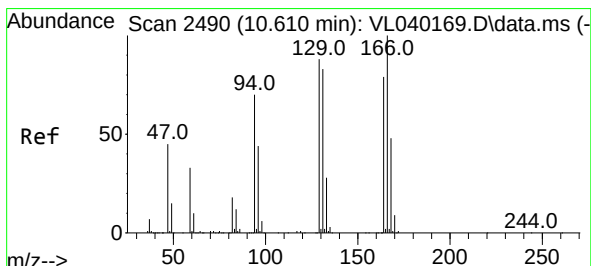
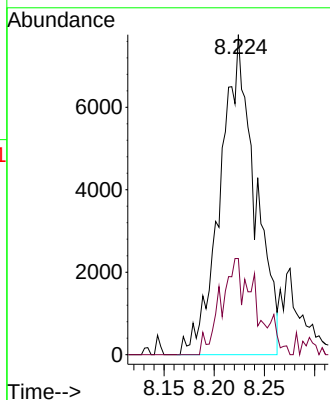
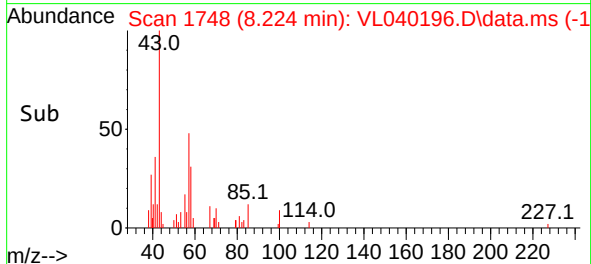
Instrument :
MSVOA_L
ClientSampleId :
LA-11



Tgt Ion: 43 Resp: 18638
Ion Ratio Lower Upper
43 100
58 0.0 29.2 43.8

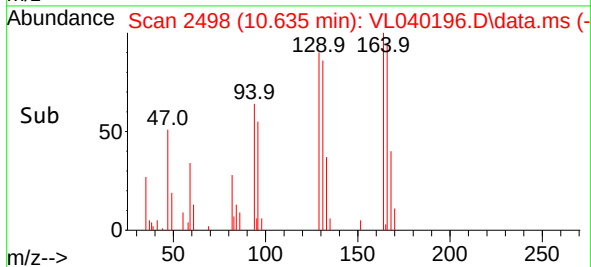
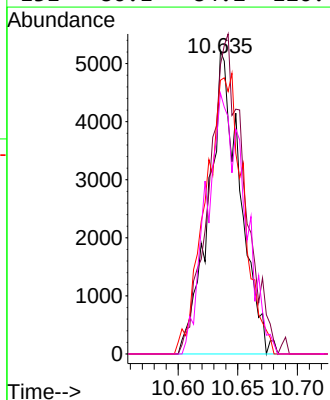
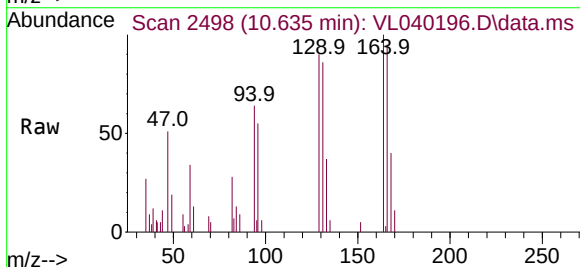
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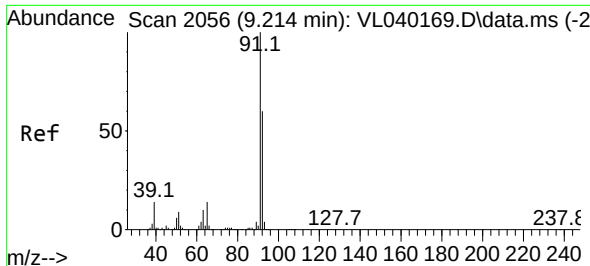
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#52
Tetrachloroethene
Concen: 0.179 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. -0.006 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

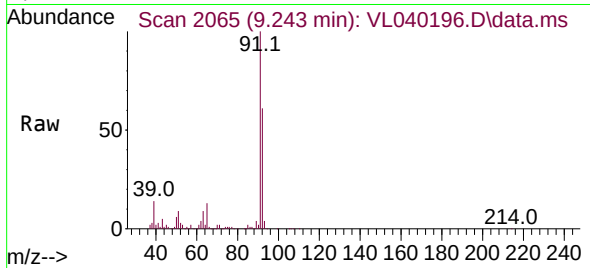
Tgt Ion:164 Resp: 9615
Ion Ratio Lower Upper
164 100
166 95.5 101.5 152.3#
129 90.4 89.0 133.4
131 86.1 84.2 126.4





#53
Toluene
Concen: 2.319 ppbv
RT: 9.243 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

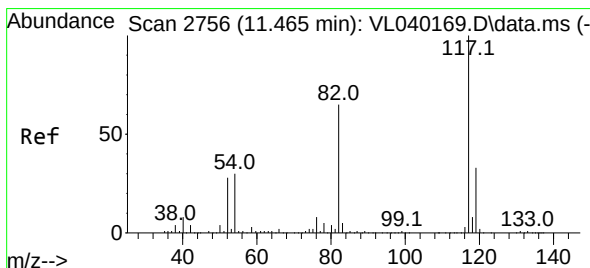
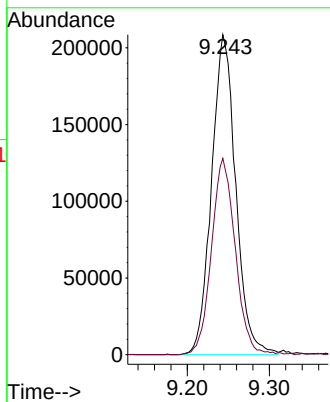
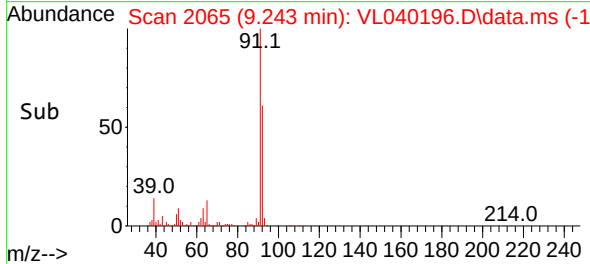
Instrument :
MSVOA_L
ClientSampleId :
IA-11



Tgt Ion: 91 Resp: 426310
Ion Ratio Lower Upper
91 100
92 60.6 48.9 73.3

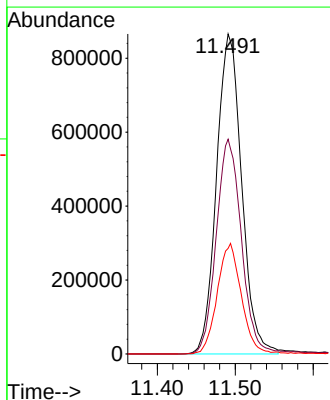
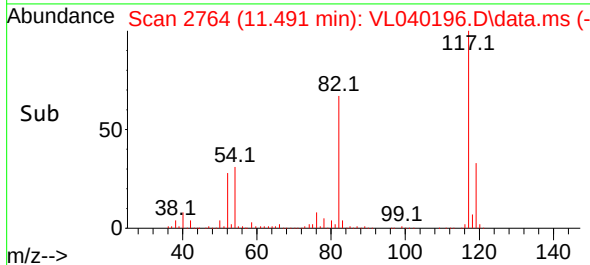
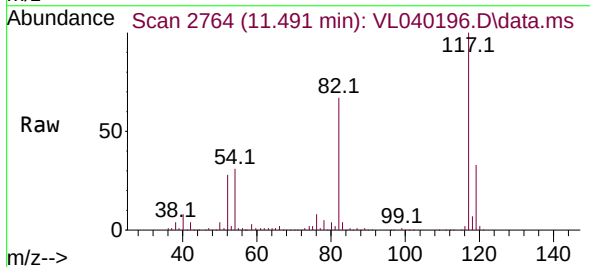
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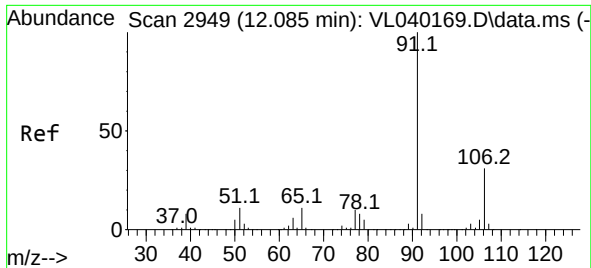
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 2764
Delta R.T. -0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

Tgt Ion:117 Resp: 1941026
Ion Ratio Lower Upper
117 100
82 68.2 53.3 79.9
119 33.5 24.6 37.0





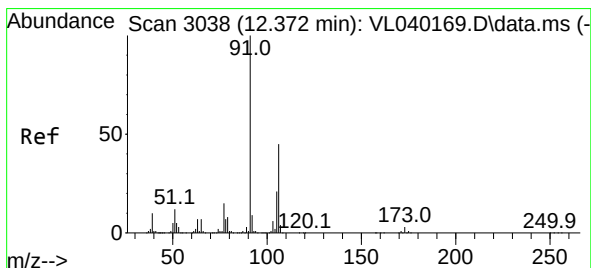
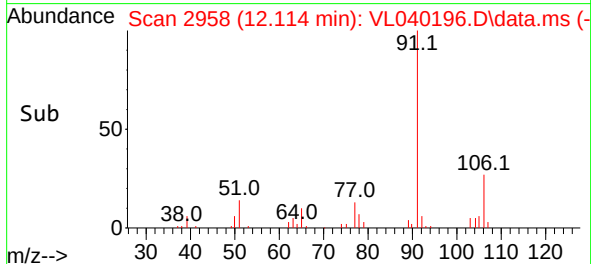
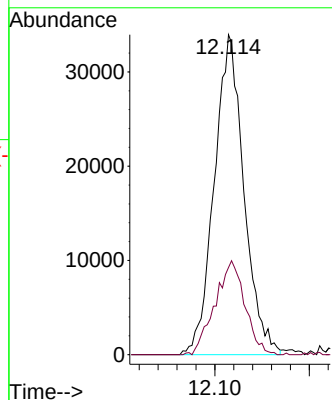
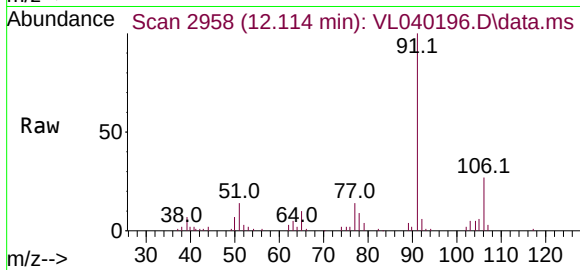
#58
Ethyl Benzene
Concen: 0.314 ppbv
RT: 12.114 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA-11

Tgt Ion: 91 Resp: 7395
Ion Ratio Lower Upper
91 100
106 27.3 24.9 37.3

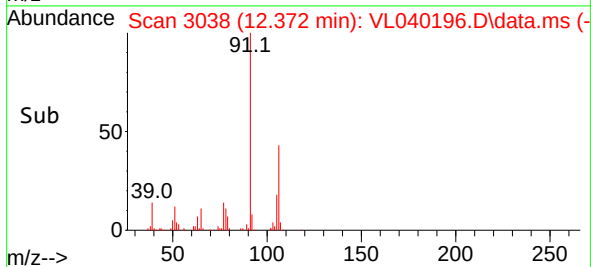
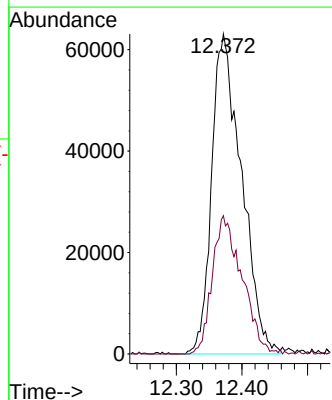
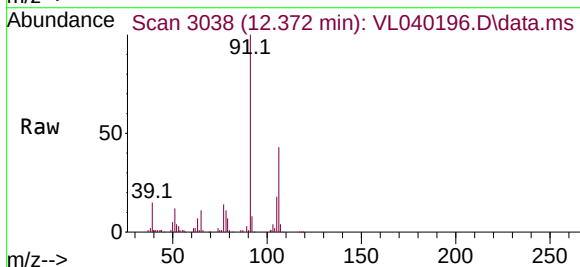
Manual Integrations
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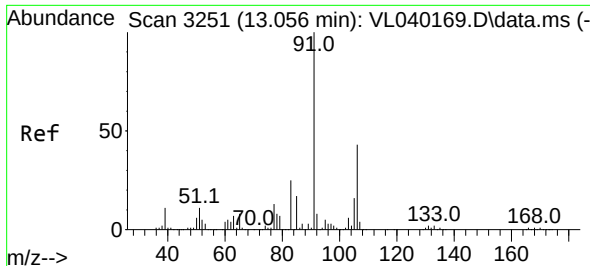
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#59
m/p-Xylene
Concen: 0.954 ppbv m
RT: 12.372 min Scan# 3038
Delta R.T. -0.026 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

Tgt Ion: 91 Resp: 199366
Ion Ratio Lower Upper
91 100
106 43.1 34.6 51.8





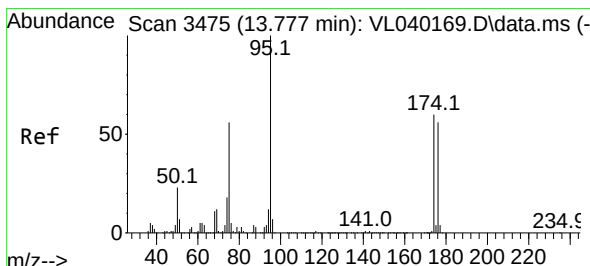
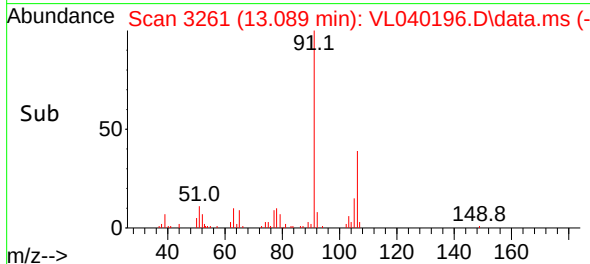
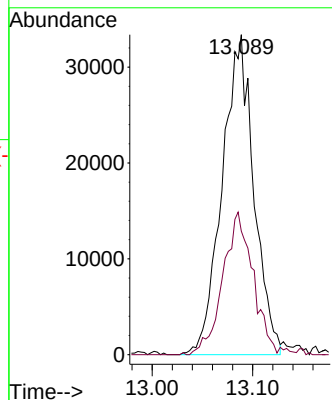
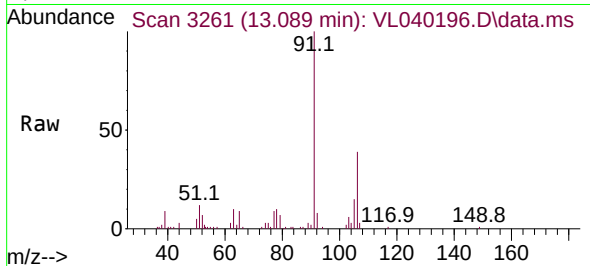
#60
o-Xylene
Concen: 0.363 ppbv
RT: 13.089 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA-11

Tgt Ion: 91 Resp: 72960
Ion Ratio Lower Upper
91 100
106 43.4 21.6 65.0

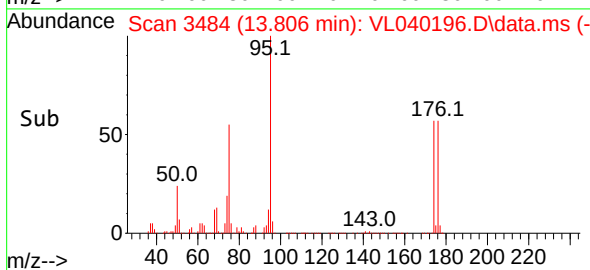
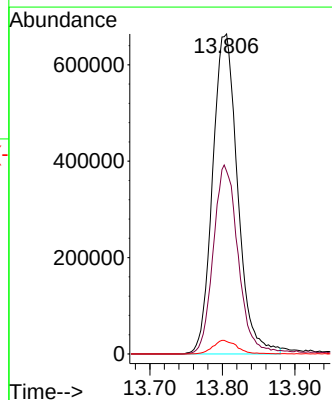
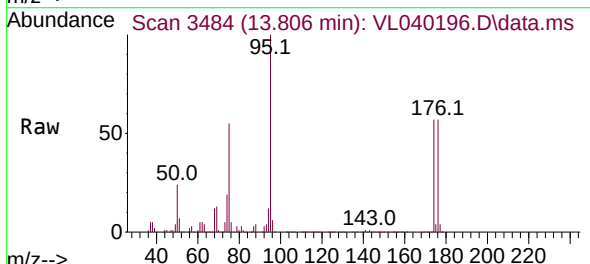
Manual Integrations
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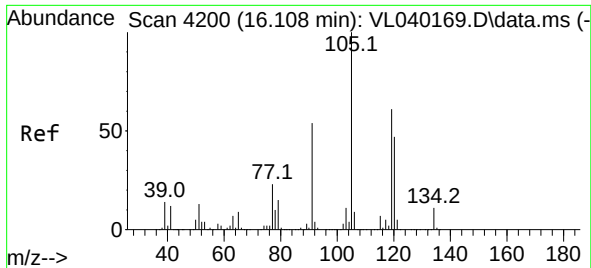
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.019 ppbv
RT: 13.806 min Scan# 3484
Delta R.T. 0.000 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

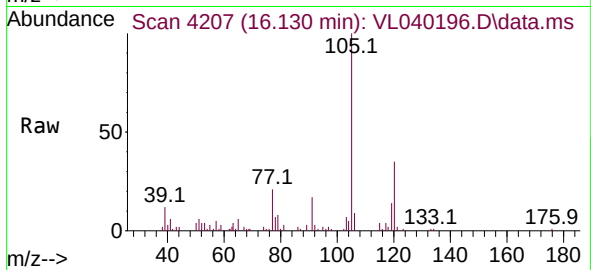
Tgt Ion: 95 Resp: 1599167
Ion Ratio Lower Upper
95 100
174 59.6 48.2 72.2
175 4.2 3.4 5.2





#74
1,2,4-Trimethylbenzene
Concen: 0.297 ppbv m
RT: 16.130 min Scan# 4207
Delta R.T. -0.006 min
Lab File: VL040196.D
Acq: 21 Feb 2023 15:50

Instrument :
MSVOA_L
ClientSampleId :
LA-11



Tgt Ion:105 Resp: 67338
Ion Ratio Lower Upper
105 100
120 34.8 37.9 56.9
91 16.9 43.7 65.5
77 20.8 18.3 27.5

Manual Integrations
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Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

